



## Catalogue 2015 ▶

How do ergonomics optimize the interaction between the people and tools?  
**ADAPTING THE TASK TO THE END USER & ENVIRONMENT**



Inspired by professionals



**END USER**

**SAFETY  
PLEASURE  
USER PRIDE**



**TASK**

**PRODUCTIVITY  
& PROFITABILITY  
QUALITY PERFORMANCE**



**ENVIRONMENT**

**DURABILITY  
INNOVATION**

Our ERGO™ range can be easily identified with the above logo

# Catalogue 2015

## Catalogue

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## Machine actuated saws

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## BANDSAW BLADES

### Easy-Cut



### 3857 Easy-Cut

mm	Tooth pitch		
13 x 0.6	S	1	3857-13-0.6-EZ-S
13 x 0.6	M	1	3857-13-0.6-EZ-M
13 x 0.6	L	1	3857-13-0.6-EZ-L
20 x 0.9	S	1	3857-20-0.9-EZ-S
20 x 0.9	M	1	3857-20-0.9-EZ-M
20 x 0.9	L	1	3857-20-0.9-EZ-L
27 x 0.9	S	1	3857-27-0.9-EZ-S
27 x 0.9	M	1	3857-27-0.9-EZ-M
27 x 0.9	L	1	3857-27-0.9-EZ-L
34 x 1.1	S	1	3857-34-1.1-EZ-S
34 x 1.1	M	1	3857-34-1.1-EZ-M
34 x 1.1	L	1	3857-34-1.1-EZ-L

### Sandflex® Cobra™



### 3851 Contour and small machine

mm	Tooth pitch		
6 x 0.6	6 H	1	3851-6-0.6-H-6
6 x 0.6	10/14	1	3851-6-0.6-10/14
6 x 0.9	6 H	1	3851-6-0.9-H-6
6 x 0.9	10/14	1	3851-6-0.9-10/14
10 x 0.6	4 H	1	3851-10-0.6-H-4
10 x 0.6	6 H	1	3851-10-0.6-H-6
10 x 0.6	10/14	1	3851-10-0.6-10/14
10 x 0.9	4 H	1	3851-10-0.9-H-4
10 x 0.9	6 H	1	3851-10-0.9-H-6
10 x 0.9	10/14	1	3851-10-0.9-10/14
13 x 0.5	10 R	1	3851-13-0.5-R-10
13 x 0.5	10/14	1	3851-13-0.5-10/14
13 x 0.5	14 R	1	3851-13-0.5-R-14
13 x 0.5	14/18	1	3851-13-0.5-14/18
13 x 0.5	18 R	1	3851-13-0.5-R-18
13 x 0.5	24 R	1	3851-13-0.5-R-24
13 x 0.6	5/8 PR	1	3851-13-0.6-5/8

mm	Tooth pitch		
13 x 0.6	6/10	1	3851-13-0.6-6/10
13 x 0.6	8/12	1	3851-13-0.6-8/12
13 x 0.6	10/14	1	3851-13-0.6-10/14
13 x 0.6	4 H	1	3851-13-0.6-H-4
13 x 0.6	6 H	1	3851-13-0.6-H-6
13 x 0.9	6/10	1	3851-13-0.9-6/10
13 x 0.9	10/14	1	3851-13-0.9-10/14
13 x 0.9	3 H	1	3851-13-0.9-H-3
13 x 0.9	4 H	1	3851-13-0.9-H-4
20 x 0.9	4/6 PR	1	3851-20-0.9-4/6
20 x 0.9	5/8 PR	1	3851-20-0.9-5/8
20 x 0.9	6/10	1	3851-20-0.9-6/10
20 x 0.9	8/12	1	3851-20-0.9-8/12
20 x 0.9	10/14	1	3851-20-0.9-10/14
27 x 0.9	2/3 PR	1	3851-27-0.9-2/3
27 x 0.9	3/4 PR	1	3851-27-0.9-3/4
27 x 0.9	4/6 PR	1	3851-27-0.9-4/6
27 x 0.9	5/8 PR	1	3851-27-0.9-5/8
27 x 0.9	6/10	1	3851-27-0.9-6/10
27 x 0.9	8/12	1	3851-27-0.9-8/12
27 x 0.9	10/14	1	3851-27-0.9-10/14

### Sandflex® Cobra™





### 3851 Sandflex® Cobra™

mm	TPI		
34x1.1	2/3 PR	1	3851-34-1.1-2/3
34x1.1	3/4 PR	1	3851-34-1.1-3/4
34x1.1	4/6 PR	1	3851-34-1.1-4/6
34x1.1	5/8 PR	1	3851-34-1.1-5/8
34x1.1	6/10	1	3851-34-1.1-6/10
41X1.3	1.4/2 PR	1	3851-41-1.3-1.4/2
41X1.3	2/3 PR	1	3851-41-1.3-2/3
41X1.3	3/4 PR	1	3851-41-1.3-3/4
41X1.3	4/6 PR	1	3851-41-1.3-4/6
41X1.3	5/8 PR	1	3851-41-1.3-5/8
54X1.3	2/3 PR	1	3851-54-1.3-2/3
54X1.3	3/4 PR	1	3851-54-1.3-3/4
54X1.3	4/6 PR	1	3851-54-1.3-4/6
54X1.6	1/1.4 PR	1	3851-54-1.6-1/1.4
54X1.6	1.4/2 PR	1	3851-54-1.6-1.4/2
54X1.6	2/3 PR	1	3851-54-1.6-2/3
54X1.6	3/4 PR	1	3851-54-1.6-3/4
67X1.6	0.7/1 PS	1	3851-67-1.6-7/1
67X1.6	1/1.4 PR	1	3851-67-1.6-1/1.4
67X1.6	3/4 PR	1	3851-67-1.6-3/4
67X1.6	4/6 PR	1	3851-67-1.6-4/6
80X1.6	0.7/1 PR	1	3851-80-1.6-7/1
80X1.6	1/1.4 PR	1	3851-80-1.6-1/1.4
80x1.6	1.4/2 PR	1	3851-80-1.6-1.4/2

## Sandflex® Cobra™ PSG





### 3851-Sandflex® Cobra™ PSG

mm	Tooth pitch		
27 x 0.9	2/3 PSG	1	3851-27-0.9-PSG-2/3
27 x 0.9	3/4 PSG	1	3851-27-0.9-PSG-3/4
27 x 0.9	4/6 PSG	1	3851-27-0.9-PSG-4/6
34 x 1.1	2/3 PSG	1	3851-34-1.1-PSG-2/3
34 x 1.1	3/4 PSG	1	3851-34-1.1-PSG-3/4
34 x 1.1	4/6 PSG	1	3851-34-1.1-PSG-4/6
41 x 1.3	1.4/2 PSG	1	3851-41-1.3-PSG-1.4/2
41 x 1.3	2/3 PSG	1	3851-41-1.3-PSG-2/3
41 x 1.3	3/4 PSG	1	3851-41-1.3-PSG-3/4
41 x 1.3	4/6 PSG	1	3851-41-1.3-PSG-4/6
54 x 1.6	1.4/2 PSG	1	3851-54-1.6-PSG-1.4/2
54 x 1.6	2/3 PSG	1	3851-54-1.6-PSG-2/3
54 x 1.6	3/4 PSG	1	3851-54-1.6-PSG-3/4

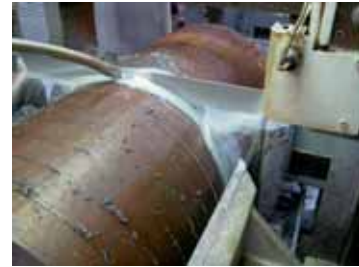
## Sandflex® King Cobra™ PHG





### 3854-Sandflex® King Cobra™ PHG

mm	Tooth pitch		
27 x 0.9	3/4 PHG	1	3854-27-0.9-PHG-3/4
27 x 0.9	4/6 PHG	1	3854-27-0.9-PHG-4/6
34 x 1.1	1.4/2 PHG	1	3854-34-1.1-PHG-1.4/2
34 x 1.1	2/3 PHG	1	3854-34-1.1-PHG-2/3
34 x 1.1	3/4 PHG	1	3854-34-1.1-PHG-3/4
34 x 1.1	4/6 PHG	1	3854-34-1.1-PHG-4/6
41 x 1.3	1.4/2 PHG	1	3854-41-1.3-PHG-1.4/2
41 x 1.3	2/3 PHG	1	3854-41-1.3-PHG-2/3
41 x 1.3	3/4 PHG	1	3854-41-1.3-PHG-3/4
41 x 1.3	4/6 PHG	1	3854-41-1.3-PHG-4/6
54 x 1.6	.7/1 PHG	1	3854-54-1.6-PHG-.7/1
54 x 1.6	1.4/2 PHG	1	3854-54-1.6-PHG-1.4/2
54 x 1.6	2/3 PHG	1	3854-54-1.6-PHG-2/3
67 x 1.6	.7/1 PHG	1	3854-67-1.6-PHG-.7/1
67 x 1.6	1/1.4 PHG	1	3854-67-1.6-PHG-1/1.4
67 x 1.6	1.4/2 PHG	1	3854-67-1.6-PHG-1.4/2
67 x 1.6	2/3 PHG	1	3854-67-1.6-PHG-2/3

## Sandflex® King Cobra™ PQ





### 3854-Sandflex® King Cobra™ PQ

mm	Tooth pitch		
27x0.9	3/4 PQ	1	3854-27-0.9-PQ-3/4
27x0.9	4/6 PQ	1	3854-27-0.9-PQ-4/6
34x1.1	2/3 PQ	1	3854-34-1.1-PQ-2/3
34x1.1	3/4 PQ	1	3854-34-1.1-PQ-3/4
41x1.3	4/6 PQ	1	3854-34-1.1-PQ-4/6
41x1.3	1.4/2 PQ	1	3854-41-1.3-PQ-1.4/2
41x1.3	2/3 PQ	1	3854-41-1.3-PQ-2/3
41x1.3	3/4 PQ	1	3854-41-1.3-PQ-3/4
41x1.3	4/6 PQ	1	3854-41-1.3-PQ-4/6
54x1.6	.9/1.2 PQ	1	3854-54-1.6-PQ-.9/1.2
54x1.6	1.4/2 PQ	1	3854-54-1.6-PQ-1.4/2
54x1.6	2/3 PQ	1	3854-54-1.6-PQ-2/3
54x1.6	3/4 PQ	1	3854-54-1.6-PQ-3/4
67x1.6	.9/1.2 PQ	1	3854-67-1.6-PQ-.9/1.2
67x1.6	1.4/2 PQ	1	3854-67-1.6-PQ-1.4/2
67x1.6	2/3 PQ	1	3854-67-1.6-PQ-2/3
80x1.6	.9/1.2 PQ	1	3854-80-1.6-PQ-.9/1.2

## Carbide Triple Set® "Xtra"™





### 3868 Carbide Triple Set® TSX

mm	Tooth pitch		
34x1.1	2/3 TSX	1	3868-34-1.1-TSX-2/3
34x1.1	3/4 TSX	1	3868-34-1.1-TSX-3/4
41x1.3	1.4/2 TSX	1	3868-41-1.3-TSX-1.4/2
41x1.3	1.6 TSX	1	3868-41-1.3-TSX-1.6
41x1.3	2/3 TSX	1	3868-41-1.3-TSX-2/3
41x1.3	3/4 TSX	1	3868-41-1.3-TSX-3/4
41x1.3	1.4/2 TSX	1	3868-54-1.3-TSX-1.4/2
54x1.6	1/1.25 TSX	1	3868-54-1.6-TSX-1/1.25
54x1.6	1.4/2 TSX	1	3868-54-1.6-TSX-1.4/2
54x1.6	1.6 TSX	1	3868-54-1.6-TSX-1.6
54x1.6	2/3 TSX	1	3868-54-1.6-TSX-2/3
54x1.6	3/4 TSX	1	3868-54-1.6-TSX-3/4
67x1.6	.7/1 TSX	1	3868-67-1.6-TSX-.7/1
67x1.6	1/1.25 TSX	1	3868-67-1.6-TSX-1/1.25
67x1.6	1.4/2 TSX	1	3868-67-1.6-TSX-1.4/2
67x1.6	2/3 TSX	1	3868-67-1.6-TSX-2/3
80x1.6	.7/1 TSX	1	3868-80-1.6-TSX-.7/1
80x1.6	2/3 TSX	1	3868-80-1.6-TSX-2/3

## Carbide Triple Set® TSS





### 3868 Carbide Triple Set® TSS

mm	Tooth pitch	 
34x1.1	2/3 TSS	1 3868-34-1.1-TSS-2/3
41x1.3	1.4/5 TSS	1 3868-41-1.3-TSS-1.4/2
41x1.3	2/3 TSS	1 3868-41-1.3-TSS-2/3
54x1.6	1/1.25 TSS	1 3868-54-1.6-TSS-1/1.25
54x1.6	1.4/2 TSS	1 3868-54-1.6-TSS-1.4/2
67x1.6	.7/1 TSS	1 3868-67-1.6-TSS-.7/1
67x1.6	1/1.25 TSS	1 3868-67-1.6-TSS-1/1.25
67x1.6	1.4/2 TSS	1 3868-67-1.6-TSS-1.4/2
67x1.6	2/3 TSS	1 3868-67-1.6-TSS-2/3
80x1.6	.7/1 TSS	1 3868-80-1.6-TSS-.7/1
80x1.6	1.4/2 TSS	1 3868-80-1.6-TSS-1.4/2

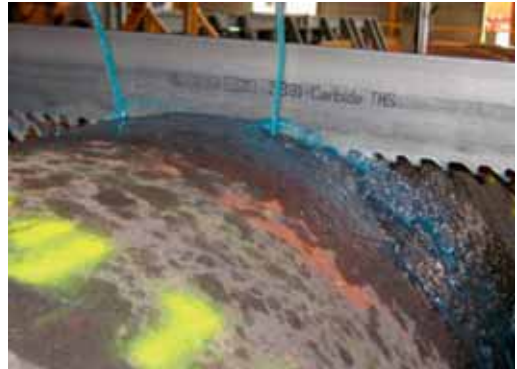
## 3881 Carbide Multi Chip THQ





### 3881 Carbide Multi Set THQ

mm	TPI	 
34 x 1.1	2/3 THQ	1 3881-34-1.1-THQ-2/3
41 x 1.3	1.4/2 THQ	1 3881-41-1.3-THQ-1.4/2
41 x 1.3	2/3 THQ	1 3881-41-1.3-THQ-2/3
54 x 1.6	1.4/2 THQ	1 3881-54-1.6-THQ-1.4/2
54 x 1.6	2/3 THQ	1 3881-54-1.6-THQ-2/3
67 x 1.6	1.4/2 THQ	1 3881-67-1.6-THQ-1.4/2
80 x 1.6	1/1.25 THQ	1 3881-80-1.6-THQ-1/1.25

## 3881 Carbide Multi Chip THS





### 3881 Carbide Multi Set THS

mm	Tooth pitch	 
41x1.3	1.4/2 THS	1 3881-41-1.3-THS-1.4/2
54x1.6	1/1.25 THS	1 3881-54-1.6-THS-1/1.25
54x1.6	1.4/2 THS	1 3881-54-1.6-THS-1.4/2
67x1.6	1/1.25 THS	1 3881-67-1.6-THS-1/1.25
67x1.6	1.4/2 THS	1 3881-67-1.6-THS-1.4/2
67x1.6	2/3 THS	1 3881-67-1.6-THS-2/3
80x1.6	.7/1 THS	1 3881-80-1.6-THS-.7/1
80x1.6	1.4/2 THS	1 3881-80-1.6-THS-1.4/2
80x1.6	2/3 THS	1 3881-80-1.6-THS-2/3

## 3860 Unset Carbide Bandsaw



### 3860 Unset Carbide TMC



mm	TPI	 
41x1.3	1.4/2 TMC	1 3860-41-1.3-TMC-1.4/2
41x1.3	2/3 TMC	1 3860-41-1.3-TMC-2/3
54x1.6	1/1.25 TMC	1 3860-54-1.6-TMC-1/1.25
54x1.6	1.4/2 TMC	1 3860-54-1.6-TMC-1.4/2
54x1.6	2/3 TMC	1 3860-54-1.6-TMC-2/3
67x1.6	1/1.25 TMC	1 3860-67-1.6-TMC-1/1.25
67x1.6	1.4/2 TMC	1 3860-67-1.6-TMC-1.4/2
67x1.6	2/3 TMC	1 3860-67-1.6-TMC-2/3
67x1.6	.7/1 TMC	1 3860-80-1.6-TMC-.7/1
80x1.6	1/1.25 TMC	1 3860-80-1.6-TMC-1/1.25
80x1.6	1.4/2 TMC	1 3860-80-1.6-TMC-1.4/2
80x1.6	2/3 TMC	1 3860-80-1.6-TMC-2/3



### 3860 TCT - Unset Carbide Bandsaw





#### 3860 Unset Carbide TCT

mm	TPI			
27x0.9	3 TCT	1		3860-27-0.9-TCT-3
27x0.9	3/4 TCT	1		3860-27-0.9-TCT-3/4
34x1.1	2/3 TCT	1		3860-34-1.1-TCT-2/3
34x1.1	3/4 TCT	1		3860-34-1.1-TCT-3/4
41x1.3	1.4/2 TCT	1		3860-41-1.3-TCT-1.4/2
41x1.3	1.9/2.1 TCT	1		3860-41-1.3-TCT-1.9/2.1
41x1.3	2/3 TCT	1		3860-41-1.3-TCT-2/3
41x1.3	2/3 TCT	1		3860-41-1.3-TCT-3/4
54x1.6	1.4/2 TCT	1		3860-54-1.6-TCT-1.4/2
54x1.6	2/3 TCT	1		3860-54-1.6-TCT-2/3
54x1.6	3/4 TCT	1		3860-54-1.6-TCT-3/4

### 3860 TCZ - Unset Carbide Bandsaw





#### 3860 Unset Carbide TCZ

mm	TPI			
34x1.1	2/3 TCZ	1		3860-34-1.1-TCZ-2/3
34x1.1	3/4 TCZ	1		3860-34-1.1-TCZ-3/4
41x1.3	2/3 TCZ	1		3860-41-1.3-TCZ-2/3
41x1.3	3/4 TCZ	1		3860-41-1.3-TCZ-3/4

### 3860 TCA - Unset Carbide Bandsaw





#### 3860 Unset Carbide TCA

mm	TPI			
27x0.9	2 TCA	1		3860-27-0.9-TCA-2
27x0.9	3 TCA	1		3860-27-0.9-TCA-3
34x1.1	2 TCA	1		3860-34-1.1-TCA-2
34x1.1	2/3 TCA	1		3860-34-1.1-TCA-2/3
34x1.1	3 TCA	1		3860-34-1.1-TCA-3
41x1.3	1.4/2 TCA	1		3860-41-1.3-TCA-1.4/2
41x1.3	2/3 TCA	1		3860-41-1.3-TCA-2/3
54x1.6	1/1.25 TCA	1		3860-54-1.6-TCA-1/1.25
54x1.6	1.4/2 TCA	1		3860-54-1.6-TCA-1.4/2

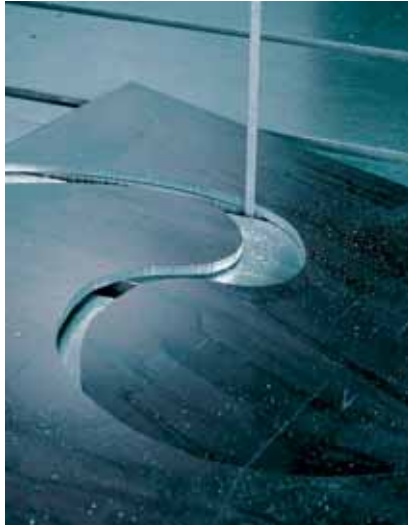
### Sandflex® Top Fabricator





#### 3853 Sandflex® Top Fabricator

mm	Tooth pitch			
27 x 0.9	3/4 PF	1		3853-27-0.9-3/4
27 x 0.9	4/6 PF	1		3853-27-0.9-4/6
27 x 0.9	5/8 PF	1		3853-27-0.9-5/8
34 x 1.1	2/3 PF	1		3853-34-1.1-2/3
34 x 1.1	3/4 PF	1		3853-34-1.1-3/4
34 x 1.1	4/6 PF	1		3853-34-1.1-4/6
34 x 1.1	5/8 PF	1		3853-34-1.1-5/8
41 x 1.3	2/3 PF	1		3853-41-1.3-2/3
41 x 1.3	3/4 PF	1		3853-41-1.3-3/4
41 x 1.3	4/6 PF	1		3853-41-1.3-4/6
41 x 1.3	5/8 PF	1		3853-41-1.3-5/8
54 x 1.6	2/3 PF	1		3853-54-1.6-2/3
54 x 1.6	3/4 PF	1		3853-54-1.6-3/4
54 x 1.6	4/6 PF	1		3853-54-1.6-4/6
67 x 1.6	2/3 PF	1		3853-67-1.6-2/3
67 x 1.6	3/4 PF	1		3853-67-1.6-3/4

Sandflex® Cobra™ Foundry





**3851 Sandflex® Cobra™ Foundry**

mm	Tooth pitch		
13x0.6	HA-4	1	3851-13-0.6-HA-4
13x0.6	HA-6	1	3851-13-0.6-HA-6
13x0.9	HA-4	1	3851-13-0.9-HA-4
20x0.9	HA-3	1	3851-20-0.9-HA-3
27x0.9	HA-2	1	3851-27-0.9-HA-2
27x0.9	HA-3	1	3851-27-0.9-HA-3

Carbide Triple Set



**3869 Carbide Triple Set®**



mm	Tooth pitch		
13 x 0.9	3 TS	1	3869-13-0.9-TS-3
20 x 0.9	3 TS	1	3869-20-0.9-TS-3
20 x 0.9	4 TS	1	3869-20-0.9-TS-4
27 x 0.9	3 TS	1	3869-27-0.9-TS-3
27 x 0.9	4 TS	1	3869-27-0.9-TS-4
29 x 1.1	2 TS	1	3869-29-1.1-TS-2
34 x 1.1	3 TS	1	3869-34-1.1-TS-3

**BANDSAW SAWING AIDS**

Chip brush



**3870-BRUSH**

Pack qty	Weight g		
4	50	4	3870-BRUSH-60-6
4	50	4	3870-BRUSH-80-6
4	50	4	3870-BRUSH-80-8
4	50	4	3870-BRUSH-80-10
4	130	4	3870-BRUSH-100-10
4	130	4	3870-BRUSH-100-12

Tachometer



**3870-TACHO**

Pack qty	Weight g		
1	400	1	3870-TACHO METER

## Tension meter



### 3870-TENSION

Weight g	 
680	1 3870-TENSION METER

## Refractometer



### 3870-REFR

Weight g	 
260	1 3870-REFRACTOMETER

## BandCalc™



### 3870-CALC

Weight g	 
45	1 3870-BANDCALC

## Steel wedge, 75 mm long



### 3870-WEDGE



Pack qty	Weight g	 
5	60	1 3870-WEDGE-3

## POWER HACKSAW BLADES



Power hacksaw blades  
Sandflex® bi-metal



### 3809

mm	TPI	 
300x25x1.25	10	10 3809-300-25-1.25-10
300x25x1.25	14	10 3809-300-25-1.25-14
300x32x1.60	6	10 3809-300-32-1.60-6
300x32x1.60	10	10 3809-300-32-1.60-10
350x25x1.25	6	10 3809-350-25-1.25-6
350x25x1.25	10	10 3809-350-25-1.25-10
350x25x1.25	14	10 3809-350-25-1.25-14
350x32x1.60	4	10 3809-350-32-1.60-4
350x32x1.60	6	10 3809-350-32-1.60-6
350x32x1.60	8	10 3809-350-32-1.60-8
350x32x1.60	10	10 3809-350-32-1.60-10
350x32x1.60	14	10 3809-350-32-1.60-14
350x32x2.00	4	10 3809-350-32-2.00-4
350x32x2.00	6	10 3809-350-32-2.00-6
350x32x2.00	10	10 3809-350-32-2.00-10
350x38x2.00	6	10 3809-350-38-2.00-6
350x38x2.00	10	10 3809-350-38-2.00-10
400x25x1.25	10	10 3809-400-25-1.25-10
400x32x1.60	4	10 3809-400-32-1.60-4
400x32x1.60	6	10 3809-400-32-1.60-6
400x32x1.60	8	10 3809-400-32-1.60-8
400x32x1.60	10	10 3809-400-32-1.60-10
400x32x1.60	14	10 3809-400-32-1.60-14
400x32x2.00	4	10 3809-400-32-2.00-4
400x32x2.00	6	10 3809-400-32-2.00-6
400x32x2.00	8	10 3809-400-32-2.00-8
400x32x2.00	10	10 3809-400-32-2.00-10
400x38x2.00	4	10 3809-400-38-2.00-4





mm	TPI		
400x38x2.00	6	10	3809-400-38-2.00-6
400x38x2.00	10	10	3809-400-38-2.00-10
425x32x1.60	6	10	3809-425-32-1.60-6
425x32x1.60	10	10	3809-425-32-1.60-10
450x32x1.60	4	10	3809-450-32-1.60-4
450x32x1.60	6	10	3809-450-32-1.60-6
450x32x1.60	10	10	3809-450-32-1.60-10
450x32x1.60	14	10	3809-450-32-1.60-14
450x32x2.00	4	10	3809-450-32-2.00-4
450x32x2.00	6	10	3809-450-32-2.00-6
450x32x2.00	10	10	3809-450-32-2.00-10
450x38x2.00	4	10	3809-450-38-2.00-4
450x38x2.00	6	10	3809-450-38-2.00-6
450x38x2.00	8	10	3809-450-38-2.00-8
450x38x2.00	10	10	3809-450-38-2.00-10
450x45x2.25	4	10	3809-450-45-2.25-4
450x45x2.25	6	10	3809-450-45-2.25-6
475x45x2.25	6	10	3809-475-45-2.25-6
500x38x2.00	4	10	3809-500-38-2.00-4
500x38x2.00	6	10	3809-500-38-2.00-6
500x38x2.00	10	10	3809-500-38-2.00-10
500x45x2.25	4	10	3809-500-45-2.25-4
500x45x2.25	6	10	3809-500-45-2.25-6
500x50x2.50	4	10	3809-500-50-2.50-4
500x50x2.50	6	10	3809-500-50-2.50-6
500x50x2.50	8	10	3809-500-50-2.50-8
525x38x2.00	6	10	3809-525-38-2.00-6
525x38x2.00	10	10	3809-525-38-2.00-10
525x45x2.25	4	10	3809-525-45-2.25-4
525x45x2.25	6	10	3809-525-45-2.25-6
550x45x2.25	4 *	10	3809-550-45-2.25-4
550x45x2.25	6 *	10	3809-550-45-2.25-6
550x50x2.50	4	10	3809-550-50-2.50-4
550x50x2.50	6	10	3809-550-50-2.50-6
575x45x2.25	4	10	3809-575-45-2.25-4
575x50x2.50	3	10	3809-575-50-2.50-3
575x50x2.50	4	10	3809-575-50-2.50-4
575x50x2.50	6	10	3809-575-50-2.50-6
600x38x2.00	6	10	3809-600-38-2.00-6
600x45x2.25	4	10	3809-600-45-2.25-4
600x45x2.25	6	10	3809-600-45-2.25-6
600x50x2.50	3	10	3809-600-50-2.50-3
600x50x2.50	4	10	3809-600-50-2.50-4
600x50x2.50	6	10	3809-600-50-2.50-6
650x50x2.50	4	5	3809-650-50-2.50-4
650x50x2.50	6	5	3809-650-50-2.50-6
700x50x2.50	4	5	3809-700-50-2.50-4
700x50x2.50	6	5	3809-700-50-2.50-6
750x50x2.50	4	5	3809-750-50-2.50-4
750x50x2.50	6	5	3809-750-50-2.50-6

### Sandflex® bi-metal for KASTO machines



### 3809 KA



mm	TPI		
400x32x2.00	6	10	3809-400-32-2.00-6-KA
450x38x2.00	4	10	3809-450-38-2.00-4-KA
450x38x2.00	6	10	3809-450-38-2.00-6-KA



mm	TPI		
450x38x2.00	10	10	3809-450-38-2.00-10-KA
500x45x2.25	6	10	3809-500-45-2.25-6-KA
500x50x2.50	4	10	3809-500-50-2.50-4-KA
500x50x2.50	6	10	3809-500-50-2.50-6-KA
550x50x2.50	4	10	3809-550-50-2.50-4-KA
550x50x2.50	6	10	3809-550-50-2.50-6-KA
575x50x2.50	3	10	3809-575-50-2.50-3-KA
575x50x2.50	4	10	3809-575-50-2.50-4-KA
575x50x2.50	6	10	3809-575-50-2.50-6-KA
575x50x2.50	10	10	3809-575-50-2.50-10-KA
600x50x2.50	4	10	3809-600-50-2.50-4-KA
600x50x2.50	6	10	3809-600-50-2.50-6-KA
650x50x2.50	3	5	3809-650-50-2.50-3-KA
650x50x2.50	4	5	3809-650-50-2.50-4-KA
650x50x2.50	6	5	3809-650-50-2.50-6-KA
700x50x2.50	3	5	3809-700-50-2.50-3-KA
700x50x2.50	4	5	3809-700-50-2.50-4-KA
700x50x2.50	6	5	3809-700-50-2.50-6-KA

### Power hacksaw blades HSS



### 3802



mm	TPI		
300x25x1.25	6	10	3802-300-25-1.25-6
300x25x1.25	10	10	3802-300-25-1.25-10
300x25x1.25	14	10	3802-300-25-1.25-14
300x32x1.60	6	10	3802-300-32-1.60-6
300x32x1.60	10	10	3802-300-32-1.60-10
350x25x1.25	6	10	3802-350-25-1.25-6
350x25x1.25	10	10	3802-350-25-1.25-10
350x25x1.25	14	10	3802-350-25-1.25-14
350x32x1.60	4	10	3802-350-32-1.60-4
350x32x1.60	6	10	3802-350-32-1.60-6
350x32x1.60	8	10	3802-350-32-1.60-8
350x32x1.60	10	10	3802-350-32-1.60-10
350x32x1.60	14	10	3802-350-32-1.60-14
400x25x1.25	6	10	3802-400-25-1.25-6
400x25x1.25	10	10	3802-400-25-1.25-10
400x25x1.25	14	10	3802-400-25-1.25-14
400x32x1.60	4	10	3802-400-32-1.60-4
400x32x1.60	6	10	3802-400-32-1.60-6
400x32x1.60	8	10	3802-400-32-1.60-8
400x32x1.60	10	10	3802-400-32-1.60-10
400x32x1.60	14	10	3802-400-32-1.60-14
400x38x2.00	4	10	3802-400-38-2.00-4
400x38x2.00	6	10	3802-400-38-2.00-6
400x38x2.00	10	10	3802-400-38-2.00-10
425x32x1.60	6	10	3802-425-32-1.60-6
425x32x1.60	10	10	3802-425-32-1.60-10
450x32x1.60	4	10	3802-450-32-1.60-4
450x32x1.60	6	10	3802-450-32-1.60-6

mm	TPI		
450x32x1.60	10	10	3802-450-32-1.60-10
450x32x1.60	14	10	3802-450-32-1.60-14
450x38x2.00	4	10	3802-450-38-2.00-4
450x38x2.00	6	10	3802-450-38-2.00-6
450x38x2.00	8	10	3802-450-38-2.00-8
450x38x2.00	10	10	3802-450-38-2.00-10
475x38x2.00	8	10	3802-475-38-2.00-8
500x38x2.00	4	10	3802-500-38-2.00-4
500x38x2.00	6	10	3802-500-38-2.00-6
500x38x2.00	8	10	3802-500-38-2.00-8
500x38x2.00	10	10	3802-500-38-2.00-10
500x50x2.50	4	10	3802-500-50-2.50-4
500x50x2.50	6	10	3802-500-50-2.50-6
525x38x2.00	6	10	3802-525-38-2.00-6
525x38x2.00	8	10	3802-525-38-2.00-8
525x38x2.00	10	10	3802-525-38-2.00-10
550x38x2.00	6	10	3802-550-38-2.00-6
550x50x2.50	4	10	3802-550-50-2.50-4
550x50x2.50	6	10	3802-550-50-2.50-6
550x50x2.5	8	10	3802-550-50-2.50-8
550x50x2.50	10	10	3802-550-50-2.50-10
575x50x2.50	4	10	3802-575-50-2.50-4
575x50x2.50	6	10	3802-575-50-2.50-6
600x50x2.50	4	10	3802-600-50-2.50-4
600x50x2.50	6	10	3802-600-50-2.50-6
600x50x2.50	8	10	3802-600-50-2.50-8
650x50x2.50	4	5	3802-650-50-2.50-4
650x50x2.50	6	5	3802-650-50-2.50-6
700x50x2.50	3	5	3802-700-50-2.50-3
700x50x2.50	4	5	3802-700-50-2.50-4
700x50x2.50	6	5	3802-700-50-2.50-6
750x50x2.50	4	5	3802-750-50-2.50-4
750x50x2.50	6	5	3802-750-50-2.50-6

## High speed for KASTO machines HSS



### 3802 KA

mm	TPI		
450x38x2.00	4	10	3802-450-38-2.00-4-KA
450x38x2.00	6	10	3802-450-38-2.00-6-KA
450x38x2.00	8	10	3802-450-38-2.00-8-KA
450x38x2.00	10	10	3802-450-38-2.00-10-KA
500x50x2.50	4	10	3802-500-50-2.50-4-KA
500x50x2.50	6	10	3802-500-50-2.50-6-KA
550x50x2.50	4	10	3802-550-50-2.50-4-KA
550x50x2.50	8	10	3802-550-50-2.50-8-KA
575x50x2.50	3	10	3802-575-50-2.50-3-KA
575x50x2.50	4	10	3802-575-50-2.50-4-KA
575x50x2.50	6	10	3802-575-50-2.50-6-KA
650x50x2.50	4	5	3802-650-50-2.50-4-KA
650x50x2.50	6	5	3802-650-50-2.50-6-KA
700x50x2.50	2	5	3802-700-50-2.50-2-KA
700x50x2.50	4	5	3802-700-50-2.50-4-KA
700x50x2.50	6	5	3802-700-50-2.50-6-KA

## HOLESAWS

### Sandflex® bi-metal holesaws



### 3830-VIP

Ø mm	
14	6 3830-14-VIP
16	6 3830-16-VIP
17	6 3830-17-VIP
19	6 3830-19-VIP
20	6 3830-20-VIP
21	6 3830-21-VIP
22	6 3830-22-VIP
24	6 3830-24-VIP
25	6 3830-25-VIP
27	6 3830-27-VIP
29	6 3830-29-VIP
30	6 3830-30-VIP
32	6 3830-32-VIP
33	6 3830-33-VIP
35	6 3830-35-VIP
37	6 3830-37-VIP
38	6 3830-38-VIP
40	6 3830-40-VIP
41	6 3830-41-VIP
43	6 3830-43-VIP
44	6 3830-44-VIP
46	6 3830-46-VIP
48	6 3830-48-VIP
50	6 3830-50-VIP
51	6 3830-51-VIP
52	4 3830-52-VIP
54	4 3830-54-VIP
55	4 3830-55-VIP
56	4 3830-56-VIP
57	4 3830-57-VIP
59	4 3830-59-VIP
60	4 3830-60-VIP
62	4 3830-62-VIP
64	4 3830-64-VIP
65	4 3830-65-VIP
67	4 3830-67-VIP
68	4 3830-68-VIP
70	4 3830-70-VIP
73	4 3830-73-VIP
76	4 3830-76-VIP
79	4 3830-79-VIP
83	4 3830-83-VIP
86	4 3830-86-VIP
89	4 3830-89-VIP
92	4 3830-92-VIP
95	4 3830-95-VIP
98	4 3830-98-VIP
102	4 3830-102-VIP
105	4 3830-105-VIP
108	4 3830-108-VIP
111	4 3830-111-VIP
114	4 3830-114-VIP
121	1 3830-121-VIP

Ø mm	
127	1 3830-127-VIP
133	1 3830-133-VIP
140	1 3830-140-VIP
146	1 3830-146-VIP
152	1 3830-152-VIP
168	1 3830-168
177	1 3830-177-HIGH
210	1 3830-210

### Holesaws on euro hanger Sandflex® bi-metal



### 3830-C

Ø mm	
14	1 3830-14-C
16	1 3830-16-C
17	1 3830-17-C
19	1 3830-19-C
20	1 3830-20-C
21	1 3830-21-C
22	1 3830-22-C
24	1 3830-24-C
25	1 3830-25-C
27	1 3830-27-C
29	1 3830-29-C
30	1 3830-30-C
32	1 3830-32-C
33	1 3830-33-C
35	1 3830-35-C
37	1 3830-37-C
38	1 3830-38-C
40	1 3830-40-C
41	1 3830-41-C
43	1 3830-43-C
44	1 3830-44-C
46	1 3830-46-C
48	1 3830-48-C
50	1 3830-50-C
51	1 3830-51-C
52	1 3830-52-C
54	1 3830-54-C
55	1 3830-55-C
56	1 3830-56-C
57	1 3830-57-C
59	1 3830-59-C
60	1 3830-60-C
64	1 3830-64-C
65	1 3830-65-C
67	1 3830-67-C
68	1 3830-68-C
70	1 3830-70-C
73	1 3830-73-C
76	1 3830-76-C
79	1 3830-79-C
83	1 3830-83-C
86	1 3830-86-C
89	1 3830-89-C


Ø mm	
92	1 3830-92-C
95	1 3830-95-C
98	1 3830-98-C
102	1 3830-102-C
105	1 3830-105-C
108	1 3830-108-C
111	1 3830-111-C
114	1 3830-114-C
121	1 3830-121-C
127	1 3830-127-C
133	1 3830-133-C
140	1 3830-140-C
146	1 3830-146-C
152	1 3830-152-C

### Holesaws, carbide-tipped



### 3832


Ø mm	
14	6 3832-14
16	6 3832-16
17	6 3832-17
19	6 3832-19
20	6 3832-20
21	6 3832-21
22	6 3832-22
24	6 3832-24
25	6 3832-25
27	6 3832-27
29	6 3832-29
30	6 3832-30
32	6 3832-32
33	6 3832-33
35	6 3832-35
37	6 3832-37
38	6 3832-38
40	6 3832-40
41	6 3832-41
43	6 3832-43
44	6 3832-44
46	6 3832-46
48	6 3832-48
51	6 3832-51
52	4 3832-52
54	4 3832-54
56	4 3832-56
57	4 3832-57
59	4 3832-59
60	4 3832-60
64	4 3832-64
65	4 3832-65
67	4 3832-67
68	4 3832-68
70	4 3832-70
73	4 3832-73
76	4 3832-76
79	4 3832-79
83	4 3832-83


Ø mm	
86	4 3832-86
89	4 3832-89
92	4 3832-92
95	4 3832-95
98	4 3832-98
102	4 3832-102
105	4 3832-105
108	4 3832-108
111	4 3832-111
114	4 3832-114
121	1 3832-121
127	1 3832-127
133	1 3832-133
140	1 3832-140
146	1 3832-146
152	1 3832-152

### Multi construction holesaw



### 3833-C

mm	
19	1 3833-19-C
20	1 3833-20-C
22	1 3833-22-C
25	1 3833-25-C
27	1 3833-27-C
29	1 3833-29-C
30	1 3833-30-C
32	1 3833-32-C
35	1 3833-35-C
38	1 3833-38-C
40	1 3833-40-C
41	1 3833-41-C
44	1 3833-44-C
48	1 3833-48-C
51	1 3833-51-C
54	1 3833-54-C
57	1 3833-57-C
60	1 3833-60-C
64	1 3833-64-C
65	1 3833-65-C
67	1 3833-67-C
68	1 3833-68-C
70	1 3833-70-C
73	1 3833-73-C
76	1 3833-76-C
77	1 3833-77-C
79	1 3833-79-C
83	1 3833-83-C
86	1 3833-86-C
89	1 3833-89-C
92	1 3833-92-C
95	1 3833-95-C
98	1 3833-98-C
102	1 3833-102-C
105	1 3833-105-C
108	1 3833-108-C


mm	
109	1 3833-109-C
111	1 3833-111-C
114	1 3833-114-C
121	1 3833-121-C
127	1 3833-127-C
140	1 3833-140-C
152	1 3833-152-C
159	1 3833-159-C

## HOLESAW ACCESSORIES

### Arbors




### 3834-ARBR

Ø mm/mm	
14-30/6,4	1 3834-ARBR-630
14-30/6,4	1 3834-ARBR-630-C
14-30/6,4	1 3834-ARBR-730
14-30/6,4	1 3834-ARBR-730-C
14-30/8,5	1 3834-ARBR-930
14-30/8,5	1 3834-ARBR-930-C
14-30/11,1	1 3834-ARBR-1130
14-30/11,1	1 3834-ARBR-1130-C
32-100/8,5	1 3834-ARBR-9100
32-100/8,5	1 3834-ARBR-9100-C
32-100/8,5	1 3834-ARBR-9100QC
32-100/8,5	1 3834-ARBR-9100QC-C
32-210/11,1	1 3834-ARBR-11152
32-210/11,1	1 3834-ARBR-11152-C
32-210/11,1	1 3834-ARBR-11152QC
32-210/11,1	1 3834-ARBR-11152QC-C
32-210/15,4	1 3834-ARBR-16152
32-210/15,4	1 3834-ARBR-16152QC

### Ejector arbor



### 3834-ARBR-EL/ES

mm	
14-30/8,5	1 3834-ARBR-930ES
19-30/8,5	1 3834-ARBR-930EL
32-210/8,5	1 3834-ARBR-9100ES
32-159/8,5	1 3834-ARBR-9100EL

### Arbors with SD drive shank



### 3834-ARBR-SD152QC

### 3834-ARBR-SD

Ø mm-mm	
14-30	1 3834-ARBR-SD30
32-210	1 3834-ARBR-SD152QC

### Pilot drills, fits all ordinary arbors



### 3834-DRL

Ø-mm	
6,35-84	1 3834-DRL

### Pilot drills, fits all arbors



### 3834-DRL-CT

Ø-mm	
6,35-84	1 3834-DRL-CT

Pilot drill ejector arbor



3834-DRL-ES

mm

6,35 - 138



1 3834-DRL-ES

Pilot drill ejector arbor  
3834-DRL-EL



3834-DRL-EL

mm

6,35 - 202



1 3834-DRL-EL

Pilot drills, fits all ordinary arbors with MC holesaws  
3834-DRL-L



3834-DRL-L

mm

6,35 - 81



1 3834-DRL-L

Arbor extensions



3834-EXT

Arbors

1130, 11152, 11152QC  
930, 9100



1 3834-EXT-1  
1 3834-EXT-2

Ejector spring



3834-ES

Drills



DRL

1 3834-ES

Arbor adaptor



3834-ADP

References



630, 730, 930, 1130

1 3834-ADP

Holesaw set

HOLESAW SETS



3834-42



1 3834-SET-42

3830-VIP

51, 76, 86, 111 mm

3834-ARBR-9100 (32-100mm)

PD type

3834-ES

Holesaw set



3834-53



1 3834-SET-53

3830-VIP

19, 22, 25, 29, 30, 35, 37, 41, 52, 60, 79 mm

3834-ARBR-930 (14-30 mm)

3834-ARBR-9100 (32-100 mm)

PD type

Holesaw set



3834-61



1 3834-SET-61

3830-VIP

44, 51, 57, 73, 86, 114 mm

3834-ARBR-9100 (32-100 mm)

PD type

Holesaw set



3834-62



1 3834-SET-62

**3830-VIP**

19, 21, 22, 29, 38, 48 mm

**3834-ARBR-930 (14-30 mm)**

**3834-ARBR-9100 (32-100 mm)**

PD type

1 pce

Holesaw set



3834-65-16/51



1 3834-SET-65-16/51

**3830-VIP**

16, 20, 25, 32, 40, 51 mm

**3834-ARBR-1130 (14-30 mm)**

**3834-ARBR-11152 (32-210 mm)**

PD type

**3834-DRL**

1 pc.

Holesaw set



3834-72



1 3834-SET-72

**3830-VIP**

19, 22, 29, 35, 44, 51, 64 mm

**3834-ARBR-930 (14-30 mm)**

**3834-ARBR-9100 (32-100 mm)**

PD type

Holesaw set



3834-62-16/50



1 3834-SET-62-16/50

**3830-VIP**

16, 20, 25, 32, 40, 50 mm

**3834-ARBR-930 (14-30 mm)**

**3834-ARBR-9100 (32-100 mm)**

PD type

1 pce

Holesaw set



3834-65-22/64



1 3834-SET-65-22/64

**3830-VIP**

22, 29, 35, 44, 51, 64 mm

**3834-ARBR-1130 (14-30 mm)**

**3834-ARBR-11152 (32-210 mm)**

PD type

**3834-DRL**

Holesaw set



3834-73



1 3834-SET-73

**3830-VIP**

16, 22, 51, 57, 73, 76, 92 mm

**3834-ARBR-930 (14-30 mm)**

**3834-ARBR-9100 (32-100 mm)**

PD type



Holesaw set



3834-73-22/68



1 3834-SET-73-22/68

**3830-VIP**

22, 29, 35, 44, 51, 64, 68 mm

**3834-ARBR-1130 (14-30 mm)**

**3834-ARBR-11152 (32-100 mm)**

PD type

**3834-DRL**

Holesaw set



3834-87



1 3834-SET-87

**3830-VIP**

19, 22, 29, 38, 43, 48, 52, 65mm

**3834-ARBR-930 (14-30mm)**

**3834-ARBR-9100 (32-100mm)**

PD Type

**3834-DRL**

**3834-ES**

Holesaw set



3834-94



1 3834-SET-94

**3830-VIP**

16, 19, 22, 25, 30, 35, 41, 51, 67 mm

**3834-ARBR-1130 (14-30 mm)**

**3834-ARBR-11152 (32-210 mm)**

PD type

Holesaw set



3834-86



1 3834-SET-86

**3830-VIP**

25, 32, 35, 51, 54, 76, 92, 114 mm

**3834-ARBR-1130 (14-30 mm)**

**3834-ARBR-11152 (32-210 mm)**

PD type

**3834-DRL**

**3834-ADP**

Holesaw set



3834-92



1 3834-SET-92

**3830-VIP**

16, 22, 25, 29, 32, 41, 51, 73, 83 mm

**3834-ARBR-930 (14-30 mm)**

**3834-ARBR-9100 (32-100 mm)**

PD type

Holesaw set



3834-95



1 3834-SET-95

**3830-VIP**

16, 19, 22, 29, 35, 44, 52, 57, 64 mm

**3834-ARBR-1130 (14-30 mm)**

**3834-ARBR-11152 (32-210 mm)**

PD type

**3834-DRL**

Pilot drill

## Holesaw set



3834-103



1 3834-SET-103

### 3830-VIP

16, 19, 24, 29, 38, 44, 57, 67 mm

3834-ARBR-930 (14-30 mm)

3834-ARBR-9100 (32-100 mm)

PD type

3834-DRL

## RECIPROCATING SAWBLADES

Reciprocating sawblades  
Sandflex® bi-metal



3840 ST

mm-toothing



100-R6	5	3840-100-6-ST-5P
100-R10	5	3840-100-10-ST-5P
100-R14	5	3840-100-14-ST-5P
100-R18	5	3840-100-18-ST-5P
100-R24	5	3840-100-24-ST-5P
150-R6	5	3840-150-6-ST-5P
150-8/12	5	3840-150-8/12-ST-5P
150-R10	5	3840-150-10-ST-5P
150-R14	5	3840-150-14-ST-5P
150-R18	5	3840-150-18-ST-5P
150-R24	5	3840-150-24-ST-5P
228-8/12	5	3840-228-8/12-ST-5P
228-R10	5	3840-228-10-ST-5P
228-R14	5	3840-228-14-ST-5P
228-R18	5	3840-228-18-ST-5P
300-R14	5	3840-300-14-ST-5P
300-R18	5	3840-300-18-ST-5P
100-R14	1	3840-100-14-ST-10P
100-R18	1	3840-100-18-ST-10P
100-R24	1	3840-100-24-ST-10P
150-R6	1	3840-150-6-ST-10P
150-8/12	1	3840-150-8/12-ST-10P
150-R10	1	3840-150-10-ST-10P
150-R14	1	3840-150-14-ST-10P

mm-toothing



150-R18	1	3840-150-18-ST-10P
150-R24	1	3840-150-24-ST-10P
228-8/12	1	3840-228-8/12-ST-10P
228-R10	1	3840-228-10-ST-10P
228-R14	1	3840-228-14-ST-10P
228-R18	1	3840-228-18-ST-10P
300-R14	1	3840-300-14-ST-10P
300-R18	1	3840-300-18-ST-10P
150-8/12	1	3840-150-8/12-ST-100P
150-R10	1	3840-150-10-ST-100P
150-R14	1	3840-150-14-ST-100P
150-R18	1	3840-150-18-ST-100P
150-R24	1	3840-150-24-ST-100P
228-8/12	1	3840-228-8/12-ST-100P
228-R10	1	3840-228-10-ST-100P
228-R14	1	3840-228-14-ST-100P
228-R18	1	3840-228-18-ST-100P
300-R14	1	3840-300-14-ST-100P
300-R18	1	3840-300-18-ST-100P

Sandflex® bi-metal blade reciprocating blade



3840 SL

mm/toothing



150 / 5/8	5	3840-150-5/8-SL-5P
228/6	5	3840-228-6-SL-5P
300/6	5	3840-300-6-SL-5P
300 / 8/12	5	3840-300-8/12-SL-5P
150 / 5/8	1	3840-150-5/8-SL-10P
228/6	1	3840-228-6-SL-10P
300/6	1	3840-300-6-SL-10P
300 / 8/12	1	3840-300-8/12-SL-10P
150 / 5/8	1	3840-150-5/8-SL-100P

Sandflex® bi-metal blade, scroll shape



3840 SC

mm/toothing



100/14	5	3840-100-14-SC-5P
100/18	5	3840-100-18-SC-5P
150 / 4/6	5	3840-150-4/6-SC-5P
150 / 4/6	1	3840-150-4/6-SC-10P

Slope shaped/DSL, Sandflex® bi-metal  
5P: 5 pcs per cassette, 10 pce industrial pack



3840 DSL

mm-teeth



150-5/8	5	3840-150-5/8-DSL-5P
228-5/8	5	3840-228-5/8-DSL-5P
300-5/8	5	3840-300-5/8-DSL-5P
150-5/8	1	3840-150-5/8-DSL-10P
228-5/8	1	3840-228-5/8-DSL-10P
300-5/8	1	3840-300-5/8-DSL-10P

Slope shaped/HST



3840 HST

mm-teeth



150-10	5	3840-150-10-HST-5P
150-14	5	3840-150-14-HST-5P
150-18	5	3840-150-18-HST-5P
228-10	5	3840-228-10-HST-5P
228-14	5	3840-228-14-HST-5P
228-18	5	3840-228-18-HST-5P
300-10	5	3840-300-10-HST-5P
300-14	5	3840-300-14-HST-5P
300-18	5	3840-300-18-HST-5P
150-10	1	3840-150-10-HST-10P
150-14	1	3840-150-14-HST-10P
150-18	1	3840-150-18-HST-10P
228-10	1	3840-228-10-HST-10P
228-14	1	3840-228-14-HST-10P
228-18	1	3840-228-18-HST-10P
300-10	1	3840-300-10-HST-10P
300-14	1	3840-300-14-HST-10P
300-18	1	3840-300-18-HST-10P

Slope shaped/F&R



3840 F&R

mm-teeth



228-10	5	3840-228-10-DSL-5P
228-10	1	3840-228-10-DSL-10P



Virtually unbreakable Sandflex® bi-metal blade  
For all materials and type of cut



3840-5/10



- 1 RECIP-SET-5
- 1 RECIP-SET-10

**RECIP-SET-5**

3840-100-14-SC, 3840-150-5/8-SL, 3840-150-14-ST, 3840-150-24-ST, 3842-150-7-SL

**RECIP-SET-10**

3840-100-6-ST, 3840-100-10-SC, 3840-100-18-SC, 3840-100-24-ST, 3840-150-5/8-SL, 3840-150-10-ST, 3840-150-14-ST, 3840-150-18-ST, 3840-150-24-ST, 3842-150-7-SL

Reciprocating sawblades, Sandflex® bi-metal  
-10P: 10 pcs in tube, 100P: 100 pcs in a tube



3840

mm-toothing



- |           |   |                          |
|-----------|---|--------------------------|
| 228-10/14 | 1 | 3840-228-10/14-PR09-10P  |
| 228-10/14 | 1 | 3840-228-10/14-PR13-10P  |
| 228-10/14 | 1 | 3840-228-10/14-PR09-100P |
| 228-10/14 | 1 | 3840-228-10/14-PR13-100P |

Reciprocating sawblades, wood cutting, standard



3842

mm-teeth



- |        |   |                   |
|--------|---|-------------------|
| 150-R7 | 5 | 3842-150-7-SL-5P  |
| 228-R7 | 5 | 3842-228-7-SL-5P  |
| 300-R7 | 5 | 3842-300-7-SL-5P  |
| 150-R7 | 1 | 3842-150-7-SL-10P |
| 228-R7 | 1 | 3842-228-7-SL-10P |
| 300-R7 | 1 | 3842-300-7-SL-10P |

Car body sawblades, Sandflex® bi-metal



3845

mm-TPI



- |       |   |             |
|-------|---|-------------|
| 90-18 | 1 | 3845-18-10P |
| 90-24 | 1 | 3845-24-10P |
| 90-32 | 1 | 3845-32-10P |

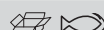
Reciprocating sawblades  
Carbide-tipped, standard



ST

3846

mm-teeth



- |        |   |                  |
|--------|---|------------------|
| 150-R6 | 5 | 3846-150-6-SL-1P |
| 228-R3 | 5 | 3846-228-3-ST-1P |
| 300-R3 | 5 | 3846-300-3-ST-1P |
| 100-G  | 5 | 3846-100-G-ST-2P |
| 150-G  | 5 | 3846-150-G-ST-2P |

Meat/bone cutting blade stainless steel



3844

mm-teeth



- |        |    |                    |
|--------|----|--------------------|
| 300-R3 | 10 | 3844-300-3-MEAT-1P |
|--------|----|--------------------|

**JIGSAW BLADES**

EURO shank, carbon steel  
Suitable for wood



91-W

Teethxmm	Ref.Bosch		
8x116-D-F	T301 CDF	1	91-434-5P
6,4x152-D-G	T344 DF	1	91-444-5P
10x100-D-M	T111 C	1	91-023-5P
12,7x75-C-M	T119 BO	1	91-027-5P
6,4x100-D-G	T144 D	1	91-143-5P
6x100-C-G	T244 D	1	91-148-5P
10x100-D-F	T101 B	1	91-223-5P
10x100-D-F	T101 BR	1	91-226-5P
6x100-D-F	T101 D	1	91-243-5P
19x76-C-F	T101 AOF	1	91-412-5P
6x100-D-F	T144 DF	1	91-443-5P
8x116-D-F	T301 CD	1	91-233-5P

EURO shank, carbon steel  
Suitable for wood and metal



91-623

91-WM

		1	91-2PW-5P
		1	91-4PWM-5P
		1	91-623-5P

EURO shank, carbon steel  
Suitable for metal



91-M

		1	91-3PM-5P
		1	91-433-5P
		1	91-502-5P
		1	91-512-5P
		1	91-517-5P
		1	91-522-5P
		1	91-611-5P
		1	91-612-5P
		1	91-622-5P
		1	91-7V1-5P

## CIRCULAR SAW BLADES

Circular saw blades, fast cut wood



8501

mm/toothing		
125x20-16	1	8501-2
130x20-16	1	8501-3
140x20-16	1	8501-4
150x20-18	1	8501-5
160x20-18	1	8501-7
170x30-18	1	8501-10
180x30-20	1	8501-12
184x30-24	1	8501-13
190x30-20	1	8501-15
200x30-20	1	8501-16
210x30-20	1	8501-17
230x30-20	1	8501-22
235x30-30	1	8501-23
250x30-24	1	8501-28
300x30-30	1	8501-30
315x30-30	1	8501-31
400x30-40	1	8501-40

Circular saw blades, precision cut wood  
XF=extra fine toothing



8501-F / -XF

mm		
140x20-24	1	8501-4F
140x20-30	1	8501-4XF
150x20-30	1	8501-5F
160x20-30	1	8501-7F
170x30-30	1	8501-10F
180x30-40	1	8501-12F
184x30-40	1	8501-13F
190x30-40	1	8501-15F
200x30-40	1	8501-16F
210x30-40	1	8501-17F
230x30-40	1	8501-22F
235x30-40	1	8501-23F
250x30-40	1	8501-28F
250x30-60	1	8501-28XF
300x30-40	1	8501-30F
315x30-60	1	8501-30XF
315x30-40	1	8501-31F

Circular saw blades, aluminium & plastic



8501-S

mm	Toothing		
210x30	48	1	8501-17S
216x30	48	1	8501-18S
250x30	80	1	8501-28S
300x30	96	1	8501-30S

Circular saw blades, 0° toothing



8501-SW

mm	Toothing		
216x30	24	1	8501-16SW
216x30	48	1	8501-18SW
250x30	60	1	8501-28SW
300x30	60	1	8501-30SW

## HSS CIRCULAR SAWBLADES

HSS circular saw blade



3815-32-1

Ø-thick mm	Toothing		
200-2.0	BW3	1	3815-200-2,0-32-1-03BW
200-2.0	BW4	1	3815-200-2,0-32-1-04BW
225-2.0	BW3	1	3815-225-2,0-32-1-03BW
225-2.0	BW4	1	3815-225-2,0-32-1-04BW
225-2.0	BW5	1	3815-225-2,0-32-1-05BW
225-2.0	C6	1	3815-225-2,0-32-1-06C
250-2.0	BW3	1	3815-250-2,0-32-1-03BW
250-2.0	BWS3	1	3815-250-2,0-32-1-03BWS
250-2.0	BW4	1	3815-250-2,0-32-1-04BW
250-2.0	BWS4	1	3815-250-2,0-32-1-04BWS

Ø-thick mm Toothing



250-2.0	BW5	1	3815-250-2,0-32-1-05BW
250-2.0	C6	1	3815-250-2,0-32-1-06C
275-2.5	BW4	1	3815-275-2.5-32-1-04BW
275-2.5	BWS4	1	3815-275-2.5-32-1-04BWS
275-2.5	BW5	5	3815-275-2.5-32-1-05BW
275-2.5	C6	1	3815-275-2.5-32-1-06C
275-2.5	C8	1	3815-275-2.5-32-1-08C
300-2.5	BW4	1	3815-300-2.5-32-1-04BW
300-2.5	BW5	1	3815-300-2.5-32-1-05BW
300-2.5	C5	1	3815-300-2.5-32-1-05C
300-2.5	C6	1	3815-300-2.5-32-1-06C
300-2.5	C8	1	3815-300-2.5-32-1-08C
315-2.5	BW4	1	3815-315-2.5-32-1-04BW
315-2.5	BW5	1	3815-315-2.5-32-1-05BW
315-2.5	C6	1	3815-315-2.5-32-1-06C
315-2.5	C8	1	3815-315-2.5-32-1-08C
350-2.5	BW4	1	3815-350-2.5-32-1-04BW
350-2.5	C6	1	3815-350-2.5-32-1-06C

HSS circular saw blade



3815-40-2

Ø-thick mm	Toothing		
250-2.0	BW3	1	3815-250-2,0-40-2-03BW
250-2.0	BW4	1	3815-250-2,0-40-2-04BW
250-2.0	BW5	1	3815-250-2,0-40-2-05BW
275-2.5	BW3	1	3815-275-2.5-40-2-03BW
275-2.5	BW4	1	3815-275-2.5-40-2-04BW
275-2.5	BW5	1	3815-275-2.5-40-2-05BW
275-2.5	C6	1	3815-275-2.5-40-2-06C
275-2.5	C8	1	3815-275-2.5-40-2-08C
315-2.5	BW4	1	3815-315-2.5-40-2-04BW
315-2.5	BW5	1	3815-315-2.5-40-2-05BW
315-3.0	C6	1	3815-315-3,0-40-2-06C

HSS circular saw blade



3815-50-4

Ø-thick mm	Toothing		
370-3.0	C8	1	3815-370-3,0-50-4-08C
370-3.0	C10	1	3815-370-3,0-50-4-10C
400-3.5	C10	1	3815-400-3,5-50-4-10C





## Files & rotary burs

## ENGINEERING FILES

Flat file, industry pack, unhandled



1-100...-0

inch/mm/size		
4/100-1	10	1-100-04-1-0
4/100-2	10	1-100-04-2-0
4/100-3	10	1-100-04-3-0
6/150-1	10	1-100-06-1-0
6/150-2	10	1-100-06-2-0
6/150-3	10	1-100-06-3-0
8/200-1	10	1-100-08-1-0
8/200-2	10	1-100-08-2-0
8/200-3	10	1-100-08-3-0
10/250-1	10	1-100-10-1-0
10/250-2	10	1-100-10-2-0
10/250-3	10	1-100-10-3-0
12/300-1	5	1-100-12-1-0
12/300-2	5	1-100-12-2-0
12/300-3	5	1-100-12-3-0
14/350-1	5	1-100-14-1-0
14/350-2	5	1-100-14-2-0

Hand file, single packed card  
ERGO™ handle

**ergo**®



1-100...-2

inch/mm		
4/100-1	5	1-100-04-1-2
4/100-2	5	1-100-04-2-2
6/150-1	5	1-100-06-1-2
6/150-2	5	1-100-06-2-2
6/150-3	5	1-100-06-3-2
8/200-1	5	1-100-08-1-2
8/200-2	5	1-100-08-2-2
8/200-3	5	1-100-08-3-2
10/250-1	5	1-100-10-1-2
10/250-2	5	1-100-10-2-2
10/250-3	5	1-100-10-3-2
12/300-1	5	1-100-12-1-2
12/300-2	5	1-100-12-2-2
12/300-3	5	1-100-12-3-2

Pillar file, industry pack, unhandled



1-102

inch/mm/size		
6/150-2	10	1-102-06-2-0
6/150-3	10	1-102-06-3-0
8/200-1	10	1-102-08-1-0
8/200-2	10	1-102-08-2-0
8/200-3	10	1-102-08-3-0

Lathe file, industry pack, unhandled



1-104

inch/mm/size		
10/250-2	10	1-104-10-2-0
10/250-3	10	1-104-10-3-0
12/300-2	5	1-104-12-2-0
12/300-3	5	1-104-12-3-0
14/350-3	5	1-104-14-3-0

Flat file "Ober Cut", industry pack, unhandled



1-106...-0

inch/mm/size		
8/200-1	10	1-106-08-1-0
10/250-1	10	1-106-10-1-0
12/300-1	5	1-106-12-1-0

Ober cut file, single packed card  
ERGO™ handle

**ergo**®



1-106...-2

inch/mm		
8/200-1	5	1-106-08-1-2
10/250-1	5	1-106-10-1-2
12/300-1	5	1-106-12-1-2

Flat file, industry packed, unhandled



1-110...-0

inch/mm/size		
4/100-1	10	1-110-04-1-0
4/100-2	10	1-110-04-2-0
4/100-3	10	1-110-04-3-0
6/150-1	10	1-110-06-1-0
6/150-2	10	1-110-06-2-0
6/150-3	10	1-110-06-3-0
8/200-1	10	1-110-08-1-0
8/200-2	10	1-110-08-2-0
8/200-3	10	1-110-08-3-0
10/250-1	10	1-110-10-1-0
10/250-2	10	1-110-10-2-0
10/250-3	10	1-110-10-3-0
12/300-1	5	1-110-12-1-0
12/300-2	5	1-110-12-2-0
12/300-3	5	1-110-12-3-0
14/350-1	5	1-110-14-1-0

Flat file, single packed carded  
ERGO™ handle

**ergo**®



1-110...-2

inch/mm-cut		
6/150-1	5	1-110-06-1-2
6/150-2	5	1-110-06-2-2
6/150-3	5	1-110-06-3-2
8/200-1	5	1-110-08-1-2
8/200-2	5	1-110-08-2-2
8/200-3	5	1-110-08-3-2
10/250-1	5	1-110-10-1-2
10/250-2	5	1-110-10-2-2
10/250-3	5	1-110-10-3-2
12/300-1	5	1-110-12-1-2
12/300-2	5	1-110-12-2-2
12/300-3	5	1-110-12-3-2

Warding file, industry pack, unhandled



1-111...-0

inch/mm-size			
4/100-1	10	1-111-04-1-0	
4/100-2	10	1-111-04-2-0	
4/100-3	10	1-111-04-3-0	
6/150-1	10	1-111-06-1-0	
6/150-2	10	1-111-06-2-0	
6/150-3	10	1-111-06-3-0	
8/200-1	10	1-111-08-1-0	
8/200-2	10	1-111-08-2-0	

Warding file, single pack carded ERGO™ handle



1-111...-2

inch/mm/size			
6/150-2	5	1-111-06-2-2	

Contact file



1-115

mm-size			
110-3	10	1-115-11-3-1	

Mill file with 2 flat edges (type USA) Industry pack, unhandled



1-143...-0

inch/mm-size			
6/150-1	10	1-143-06-1-0	
8/200-1	10	1-143-08-1-0	
10/250-1	10	1-143-10-1-0	
12/300-1	5	1-143-12-1-0	

Mill file, 2 flat edges, single packed carded ERGO™ handle



1-143...-2

inch/mm			
6/150-1	5	1-143-06-1-2	
8/200-1	5	1-143-08-1-2	
10/250-1	5	1-143-10-1-2	
12/300-1	5	1-143-12-1-2	

Square file, industry pack, unhandled



1-160...-0

inch/mm-size			
4/100-1	10	1-160-04-1-0	
4/100-2	10	1-160-04-2-0	
4/100-3	10	1-160-04-3-0	
6/150-1	10	1-160-06-1-0	
6/150-2	10	1-160-06-2-0	
6/150-3	10	1-160-06-3-0	
8/200-1	10	1-160-08-1-0	
8/200-2	10	1-160-08-2-0	
8/200-3	10	1-160-08-3-0	
10/250-1	10	1-160-10-1-0	
10/250-2	10	1-160-10-2-0	
10/250-3	10	1-160-10-3-0	
12/300-1	5	1-160-12-1-0	
12/300-2	5	1-160-12-2-0	

Square file, single pack ERGO™ handle



1-160...-2

inch/mm			
4/100-1	5	1-160-04-1-2	
4/100-2	5	1-160-04-2-2	
6/150-1	5	1-160-06-1-2	
6/150-2	5	1-160-06-2-2	
6/150-3	5	1-160-06-3-2	
8/200-1	5	1-160-08-1-2	
8/200-2	5	1-160-08-2-2	
8/200-3	5	1-160-08-3-2	
10/250-1	5	1-160-10-1-2	
10/250-2	5	1-160-10-2-2	
10/250-3	5	1-160-10-3-2	
12/300-1	5	1-160-12-1-2	
12/300-2	5	1-160-12-2-2	
12/300-3	5	1-160-12-3-2	

Three square file, industry pack, unhandled



1-170...-0

inch/mm-size			
4/100-1	10	1-170-04-1-0	
4/100-2	10	1-170-04-2-0	
4/100-3	10	1-170-04-3-0	
6/150-1	10	1-170-06-1-0	
6/150-2	10	1-170-06-2-0	
6/150-3	10	1-170-06-3-0	
8/200-1	10	1-170-08-1-0	
8/200-2	10	1-170-08-2-0	
8/200-3	10	1-170-08-3-0	
10/250-1	10	1-170-10-1-0	
10/250-2	10	1-170-10-2-0	
10/250-3	10	1-170-10-3-0	
12/300-1	5	1-170-12-1-0	
12/300-2	5	1-170-12-2-0	

Three square file, single packed carded ERGO™ handle

ergo®



1-170...-2

inch/mm		
4/100-2	5	1-170-04-2-2
6/150-1	5	1-170-06-1-2
6/150-2	5	1-170-06-2-2
6/150-3	5	1-170-06-3-2
8/200-1	5	1-170-08-1-2
8/200-2	5	1-170-08-2-2
8/200-3	5	1-170-08-3-2
10/250-1	5	1-170-10-1-2
10/250-2	5	1-170-10-2-2
10/250-3	5	1-170-10-3-2

Half-round file, industry pack, unhandled



1-210...-0

inch/mm-size		
4/100-1	10	1-210-04-1-0
4/100-2	10	1-210-04-2-0
4/100-3	10	1-210-04-3-0
6/150-1	10	1-210-06-1-0
6/150-2	10	1-210-06-2-0
6/150-3	10	1-210-06-3-0
8/200-1	10	1-210-08-1-0
8/200-2	10	1-210-08-2-0
8/200-3	10	1-210-08-3-0
10/250-1	10	1-210-10-1-0
10/250-2	10	1-210-10-2-0
10/250-3	10	1-210-10-3-0
12/300-1	5	1-210-12-1-0
12/300-2	5	1-210-12-2-0
12/300-3	5	1-210-12-3-0
14/350-1	5	1-210-14-1-0

Half-round file  
Single packed carded

ergo®



1-210...-2

inch/mm		
4/100-1	5	1-210-04-1-2
4/100-2	5	1-210-04-2-2
6/150-1	5	1-210-06-1-2

inch/mm		
6/150-2	5	1-210-06-2-2
6/150-3	5	1-210-06-3-2
8/200-1	5	1-210-08-1-2
8/200-2	5	1-210-08-2-2
8/200-3	5	1-210-08-3-2
10/250-1	5	1-210-10-1-2
10/250-2	5	1-210-10-2-2
10/250-3	5	1-210-10-3-2
12/300-1	5	1-210-12-1-2
12/300-2	5	1-210-12-2-2
12/300-3	5	1-210-12-3-2

Round file, industry pack, unhandled



1-230...-0

inch/mm-size		
4/100-1	10	1-230-04-1-0
4/100-2	10	1-230-04-2-0
4/100-3	10	1-230-04-3-0
6/150-1	10	1-230-06-1-0
6/150-2	10	1-230-06-2-0
6/150-3	10	1-230-06-3-0
8/200-1	10	1-230-08-1-0
8/200-2	10	1-230-08-2-0
8/200-3	10	1-230-08-3-0
10/250-1	10	1-230-10-1-0
10/250-2	10	1-230-10-2-0
10/250-3	10	1-230-10-3-0
12/300-1	5	1-230-12-1-0
12/300-2	5	1-230-12-2-0
12/300-3	5	1-230-12-3-0

Round file, single packed carded ERGO™ handle

ergo®



1-230...-2

inch/mm		
4/100-1	5	1-230-04-1-2
4/100-2	5	1-230-04-2-2
6/150-1	5	1-230-06-1-2
6/150-2	5	1-230-06-2-2
6/150-3	5	1-230-06-3-2
8/200-1	5	1-230-08-1-2
8/200-2	5	1-230-08-2-2
8/200-3	5	1-230-08-3-2
10/250-1	5	1-230-10-1-2
10/250-2	5	1-230-10-2-2
10/250-3	5	1-230-10-3-2
12/300-1	5	1-230-12-1-2
12/300-2	5	1-230-12-2-2
12/300-3	5	1-230-12-3-2

Diagonal file, industry pack, unhandled



1-320...-0

inch/mm-size		
8/200-2	10	1-320-08-2-0
10/250-2	10	1-320-10-2-0
12/300-2	5	1-320-12-2-0

Diagonal file, single packed carded ERGO™ handle

ergo®



1-320...-2

inch/mm		
8/200-2	5	1-320-08-2-2
10/250-2	5	1-320-10-2-2
12/300-2	5	1-320-12-2-2

File set of 6 files ERGO™ handle

ergo®



1-476

inch/mm-size		
4/100-3	1	1-476-04-3-2

1-476-04-3-2

1-160-04-3-2; 1-111-04-3-2; 1-230-04-3-2; 1-170-04-3-2; 1-210-04-3-2; 1-100-04-3-2










File set of 3 files  
ERGO™ handle

ergo®



1-473

inch/mm-size		
6/150-2	5	1-473-06-2-2
8/200-2	5	1-473-08-2-2
10/250-2	5	1-473-10-2-2


<b>1-473-06-2-2</b>	
1-230-06-2-2; 1-210-06-2-2; 1-100-06-2-2	
<b>1-473-08-2-2</b>	
1-230-08-2-2; 1-210-08-2-2; 1-100-08-2-2	
<b>1-473-10-2-2</b>	
1-230-10-2-2; 1-210-10-2-2; 1-100-10-2-2	



File set of 5 files  
ERGO™ handle

ergo®



1-477

inch/mm-size		
8/200-2	5	1-477-08-2-2
10/250-2	5	1-477-10-2-2

<b>1-477-08-2-2</b>	
1-100-08-2-2; 1-210-08-2-2; 6-343-08-2-2; 1-230-08-2-2; 1-170-08-2-2	
<b>1-477-10-2-2</b>	
1-100-10-2-2; 1-210-10-2-2; 6-343-10-2-2; 1-230-10-2-2; 1-170-10-2-2	



File set of 5 files  
ERGO™ handle

ergo®



1-478

inch/mm-size		
8/200-1+2	5	1-478-08-1-2
10/250-1	5	1-478-10-1-2

<b>1-478-08-1-2</b>	
1-210-08-1-2; 1-230-08-1-2; 1-100-08-1-2; 1-100-08-2-2; 1-160-08-1-2	
<b>1-478-10-1-2</b>	
1-210-10-1-2; 1-230-10-1-2; 1-100-10-1-2; 1-100-10-2-2; 1-160-10-1-2	



File set of 5 files  
ERGO™ handle

ergo®



1-479

inch/mm-size		
8/200-1	5	1-479-08-1-2
8/200-2	5	1-479-08-2-2

<b>1-479-08-1-2</b>	
4-138-08-1-2; 1-210-08-1-2; 6-343-08-2-2; 1-230-08-1-2; 1-100-08-1-2	
<b>1-479-08-2-2</b>	
4-138-08-1-2; 1-210-08-2-2; 6-343-08-2-2; 1-230-08-2-2; 1-100-08-2-2	


Set of 3 carpentry files  
ERGO™ handle

ergo®



6-470



inch/mm-size		
8/200-2	5	6-470-08-2-2

<b>6-470-08-2-2</b>	
6-345-08-2-2; 6-342-08-2-2; 4-152-08-2-2	

## NEEDLE FILES



Hand files, industry pack, unhandled

2-300

inch/mm-size		
5½/140-0	10	2-300-14-0-0
5½/140-2	10	2-300-14-2-0
5½/140-4	10	2-300-14-4-0
6¼/160-0	10	2-300-16-0-0
6¼/160-1	10	2-300-16-1-0
6¼/160-2	10	2-300-16-2-0
6¼/160-4	10	2-300-16-4-0
7/180-0	10	2-300-18-0-0
7/180-2	10	2-300-18-2-0

Flat file with edges taper shape, industry pack

2-301

inch/mm-size		
5½/140-0	10	2-301-14-0-0
5½/140-2	10	2-301-14-2-0
6¼/160-0	10	2-301-16-0-0
6¼/160-1	10	2-301-16-1-0
6¼/160-2	10	2-301-16-2-0



Three square file, industry pack, unhandled



2-302

inch/mm-size			
5½/140-0	10	2-302-14-0-0	
5½/140-2	10	2-302-14-2-0	
5½/140-4	10	2-302-14-4-0	
6¼/160-0	10	2-302-16-0-0	
6¼/160-1	10	2-302-16-1-0	
6¼/160-2	10	2-302-16-2-0	
6¼/160-4	10	2-302-16-4-0	
7/180-0	10	2-302-18-0-0	
7/180-2	10	2-302-18-2-0	

Square file, industry pack, unhandled



2-303

inch/mm-size			
5½/140-2	10	2-303-14-2-0	
6¼/160-0	10	2-303-16-0-0	
6¼/160-1	10	2-303-16-1-0	
6¼/160-2	10	2-303-16-2-0	
6¼/160-4	10	2-303-16-4-0	
7/180-0	10	2-303-18-0-0	
7/180-2	10	2-303-18-2-0	

Half-round file, industry pack, unhandled



2-304

inch/mm-size			
5½/140-0	10	2-304-14-0-0	
5½/140-2	10	2-304-14-2-0	
5½/140-4	10	2-304-14-4-0	
6¼/160-0	10	2-304-16-0-0	
6¼/160-1	10	2-304-16-1-0	
6¼/160-2	10	2-304-16-2-0	
6¼/160-4	10	2-304-16-4-0	
7/180-0	10	2-304-18-0-0	
7/180-2	10	2-304-18-2-0	

Oval file, industry pack, unhandled



2-305

inch/mm-size			
6¼/160-1	10	2-305-16-1-0	
6¼/160-2	10	2-305-16-2-0	

Crossing file, industry pack, unhandled



2-306

inch/mm-size			
6¼/160-1	10	2-306-16-1-0	
6¼/160-2	10	2-306-16-2-0	

Round file, industry pack, unhandled



2-307

inch/mm-size			
5½/140-0	10	2-307-14-0-0	
5½/140-2	10	2-307-14-2-0	
5½/140-4	10	2-307-14-4-0	
6¼/160-0	10	2-307-16-0-0	
6¼/160-1	10	2-307-16-1-0	
6¼/160-2	10	2-307-16-2-0	
6¼/160-4	10	2-307-16-4-0	
7/180-0	10	2-307-18-0-0	
7/180-2	10	2-307-18-2-0	

Knife file, industry pack, unhandled



2-308

inch/mm-size			
5½/140-2	10	2-308-14-2-0	
6¼/160-0	10	2-308-16-0-0	
6¼/160-1	10	2-308-16-1-0	
6¼/160-2	10	2-308-16-2-0	

Barrette file, industry pack, unhandled



2-309

inch/mm-size			
6¼/160-2	10	2-309-16-2-0	
6¼/160-4	10	2-309-16-4-0	

Half-round file, double cut on radius  
Industry pack, unhandled



2-313

inch/mm-size			
6¼/160-0	10	2-313-16-0-0	

Needle file sets of 6 files



2-470

inch/mm-size			
5½/140-0	10	2-470-14-0-0	
5½/140-2	10	2-470-14-2-0	
5½/140-4	10	2-470-14-4-0	
6¼/160-1	10	2-470-16-1-0	
6¼/160-2	10	2-470-16-2-0	

<b>2-470-14-0-0</b>	9-488-02-10; 2-304-14-0-0; 2-300-14-0-0; 2-303-14-0-0; 2-302-14-0-0; 2-301-14-0-0; 2-307-14-0-0
<b>2-470-14-2-0</b>	9-488-02-10; 2-304-14-2-0; 2-300-14-2-0; 2-303-14-2-0; 2-302-14-2-0; 2-301-14-2-0; 2-307-14-2-0
<b>2-470-14-4-0</b>	9-488-04-10; 2-304-14-4-0; 2-300-14-4-0; 2-303-14-4-0; 2-302-14-4-0; 2-301-14-4-0; 2-307-14-4-0
<b>2-470-16-1-0</b>	9-488-04-10; 2-304-16-1-0; 2-300-16-1-0; 2-303-16-1-0; 2-302-16-1-0; 2-301-16-1-0; 2-307-16-1-0
<b>2-470-16-2-0</b>	9-488-04-10; 2-304-16-2-0; 2-300-16-2-0; 2-303-16-2-0; 2-302-16-2-0; 2-301-16-2-0; 2-307-16-2-0

Needle file set of 9 files

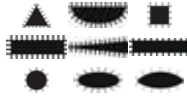


2-471

inch/mm-size		
6¼/160-1	5	2-471-16-1-0

2-471-16-1-0



9-488-02-10; 2-303-16-1-0; 2-304-16-1-0;  
2-302-16-1-0; 2-300-16-1-0; 2-308-16-1-0;  
2-301-16-1-0; 2-306-16-1-0; 2-305-16-1-0;  
2-307-16-1-0



Needle file set of 12 files



2-472

inch/mm-size		
5½/140-0	5	2-472-14-0-0
5½/140-2	5	2-472-14-2-0
6¼/160-0	5	2-472-16-0-0
6¼/160-1	5	2-472-16-1-0
6¼/160-2	5	2-472-16-2-0

2-472-14-0-0

2-312-14-0-0, 2-303, 2-300, 2-301, 2-311, 2-304, 2-302, 2-313, 2-307,  
2-309, 2-306, 2-308

2-472-14-2-0

2-312-14-2-0, 2-303, 2-300, 2-301, 2-311, 2-304, 2-302, 2-313, 2-307,  
2-309, 2-306, 2-308

2-472-16-0-0

2-312-16-0-0, 2-303, 2-300, 2-301, 2-311, 2-304, 2-302, 2-313, 2-307,  
2-309, 2-306, 2-308

2-472-16-1-0

2-312-16-1-0, 2-303, 2-300, 2-301, 2-311, 2-304, 2-302, 2-313, 2-307,  
2-309, 2-306, 2-308

2-472-16-2-0

2-312-16-2-0, 2-303, 2-300, 2-301, 2-311, 2-304, 2-302, 2-313, 2-307,  
2-309, 2-306, 2-308

Universal handle for needle file



9-488-02

	
10	9-488-02-10

DIAMOND FILES

Diamond needle files




2-300

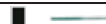


2-301

2-300-D - 2-304-D

mm		
140	10	2-300-14-D-1P
160	10	2-300-16-D-1P
140	10	2-301-14-D-1P
160	10	2-301-16-D-1P
140	10	2-302-14-D-1P
160	10	2-302-16-D-1P
140	1	2-303-14-D-1P
160	1	2-303-16-D-1P
140	10	2-304-14-D-1P
160	10	2-304-16-D-1P

2-300-



2-301-



2-302-



2-303-



2-304-



Diamond needle files





2-306



2-311

2-306-D - 2-311-D

mm		
140	1	2-306-14-D-1P
140	10	2-307-14-D-1P
160	10	2-307-16-D-1P
140	1	2-308-14-D-1P

2-306-



2-307-



2-308-



2-309-



2-311-



Diamond precision files





5-630



5-670

5-600-D - 5-670-D

mm		
215	10	5-600-21-D-1P
215	1	5-610-21-D-1P
215	1	5-630-21-D-1P
215	1	5-670-21-D-1P

5-600-21-D-1P



5-610-21-D-1P



5-630-21-D-1P



5-660-21-D-1P



5-670-21-D-1P



## MILLED TOOTH FILES

Flat Pansar® blade, industry pack, unhandled



3-330

inch/mm-cut		
12/300-1	5	3-330-12-1-0
12/300-2	5	3-330-12-2-0
14/350-1	5	3-330-14-1-0
14/350-2	5	3-330-14-2-0

Half round Pansar® blade, industry pack, unhandled



3-331

inch/mm-size		
14/350-1	5	3-331-14-1-0

Filemaster, industry pack  
ERGO™ handle

ergo®



FM10

inch/mm-size		
10/250-9+13	5	FM10

Half-round filemaster, industry pack  
ERGO™ handle

ergo®



HRFM10

inch/mm		
10/250-13	5	HRFM10

## SHARPENING FILES

Mill saw file, industry pack, unhandled



4-138...-0

inch/mm-size		
6/150-1	10	4-138-06-1-0
8/200-1	10	4-138-08-1-0
10/250-1	10	4-138-10-1-0
12/300-1	5	4-138-12-1-0

Mill saw file, single packed carded  
ERGO™ handle

ergo®



4-138...-2

inch/mm		
6/150-1	5	4-138-06-1-2
8/200-1	5	4-138-08-1-2
10/250-1	5	4-138-10-1-2
12/300-1	5	4-138-12-1-2

Mill saw file, industry pack, unhandled



4-140...-0

inch/mm-size		
6/150-1	10	4-140-06-1-0
8/200-1	10	4-140-08-1-0
10/250-1	10	4-140-10-1-0

Mill saw file, single packed carded  
ERGO™ handle

ergo®



4-140...-2

inch/mm		
8/200-1	5	4-140-08-1-2
10/250-1	5	4-140-10-1-2

Mill saw file with parallel shape, industry pack,  
unhandled



4-144...-0

inch/mm-size		
8/200-2	10	4-144-08-2-0

Mill saw file, single packed carded ERGO™ handle

ergo®



4-144...-2

inch/mm		
8/200-2	5	4-144-08-2-2

Homeowner's file for metal, single pack carded ERGO™ handle

ergo®



4-153

inch/mm-size		
8/200-1/2	5	4-153-08-1-2

Taper saw file, industry pack, unhandled



4-183...-0

inch/mm-size		
4/100-2	10	4-183-04-2-0
4½/112-2	10	4-183-45-2-0
5/125-2	10	4-183-05-2-0
6/150-2	10	4-183-06-2-0
7/175-2	10	4-183-07-2-0
8/200-2	10	4-183-08-2-0
10/250-2	10	4-183-10-2-0

Mill saw file, industry pack, unhandled



4-142

inch/mm-size		
6/150-1	10	4-142-06-1-0
8/200-1	10	4-142-08-1-0
10/250-1	10	4-142-10-1-0

Homeowner's set 4-152 + 4-153, single pack carded ERGO™ handle

ergo®



4-154

inch/mm-size		
8/200-1/2	10	4-154-08-2-2

Taper saw file, regular, single packed carded ERGO™ handle

ergo®



4-183...-2

inch/mm		
4/100-2	5	4-183-04-2-2
5/125-2	5	4-183-05-2-2
6/150-2	5	4-183-06-2-2
7/175-2	5	4-183-07-2-2
8/200-2	5	4-183-08-2-2

Homeowner's file for wood, single pack carded ERGO™ handle

ergo®



4-152

inch/mm-size		
8/200-1/2	5	4-152-08-2-2

Farmer's own double duty file, industry pack, unhandled



4-155

inch/mm-size		
8/200-1	10	4-155-08-2-0
10/250-1	10	4-155-10-2-0

Slim taper saw file Industry pack, unhandled



4-186...-0

inch/mm-size		
4/100-2	10	4-186-04-2-0
4½/112-2	10	4-186-45-2-0
5/125-2	10	4-186-05-2-0
6/150-2	10	4-186-06-2-0
7/175-2	10	4-186-07-2-0
8/200-2	10	4-186-08-2-0

Slim taper file, single packed carded  
ERGO™ handle

ergo®



4-186...-2

inch/mm			
4/100-2	5	4-186-04-2-2	
5/125-2	5	4-186-05-2-2	
6/150-2	5	4-186-06-2-2	

Double extra slim taper saw file  
Industry pack, unhandled

4-188...-0

inch/mm-size			
5/125-2	10	4-188-05-2-0	
6/150-2	10	4-188-06-2-0	

Double-ended saw file, single pack carded  
ERGO™ handle

ergo®



4-190...-2

inch/mm			
6/150-2	5	4-190-06-2-2	
7/175-2	5	4-190-07-2-2	
8/200-2	5	4-190-08-2-2	

Extra slim taper saw file, industry pack, unhandled



4-187...-0

inch/mm-size			
4/100-2	10	4-187-04-2-0	
4½/112-2	10	4-187-45-2-0	
5/125-2	10	4-187-05-2-0	
6/150-2	10	4-187-06-2-0	
7/175-2	10	4-187-07-2-0	

Double extra slim taper file, single packed carded  
ERGO™ handle

ergo®



4-188...-2

inch/mm			
5/125-2	5	4-188-05-2-2	

Taper bandsaw file, regular  
Industry pack, unhandled



4-192...-0

inch/mm-size			
6/150-2	10	4-192-06-2-0	
7/175-2	10	4-192-07-2-0	
8/200-2	10	4-192-08-2-0	

Extra slim taper file, single packed carded  
ERGO™ handle

ergo®



4-187...-2

inch/mm			
5/125-2	5	4-187-05-2-2	
6/150-2	5	4-187-06-2-2	

Double-ended saw file, industry pack, wooden handle



4-190...-0

inch/mm-size			
6/150-2	10	4-190-06-2-0	
7/175-2	10	4-190-07-2-0	
8/200-2	10	4-190-08-2-0	

Taper bandsaw file, regular, single packed carded  
ERGO™ handle

ergo®



4-192...-2

inch/mm			
6/150-2	5	4-192-06-2-2	
8/200-2	5	4-192-08-2-2	

Machine bandsaw files



4-202 - 4-204

inch/mm		
8½/212-2	10	4-202-85-2-0
8½/212-2	10	4-203-85-2-0
8½/212-2	10	4-204-85-2-0

Double edge saw file Wasa®, industry pack, unhandled



4-272...-0

inch/mm-size		
6/150-3	10	4-272-06-3-0

Double edge saw file Wasa® single carded pack, ERGO™ handle



4-272...-2

inch/mm-size		
5/125-3-A	5	4-272-05-3-2
6/150-3-A	5	4-272-06-3-2

CHAIN SAW FILES

Round chain saw files, skin pack



168 - 1P

inch/mm-Ø		
6/150-3,2	12	168-6-3.2-1P
6/150-3,5	12	168-6-3.5-1P
8/200-4,0	12	168-8-4.0-1P
8/200-4,5	12	168-8-4.5-1P
8/200-4,8	12	168-8-4.8-1P
8/200-5,2	12	168-8-5.2-1P
8/200-5,5	12	168-8-5.5-1P
8/200-6,3	12	168-8-6.3-1P

Chain saw files  
In a 3 pce protective skin pack



168 - 3P

inch/mm-Ø		
6/150-3,2	12	168-6-3.2-3P
6/150-3,5	12	168-6-3.5-3P
8/200-4,0	12	168-8-4.0-3P
8/200-4,5	12	168-8-4.5-3P
8/200-4,8	12	168-8-4.8-3P
8/200-5,2	12	168-8-5.2-3P
8/200-5,5	12	168-8-5.5-3P
8/200-6,3	12	168-8-6.3-3P

Chain saw files, box of 6 files



168-8

inch/mm-Ø		
8/200-4,0	6	168-8-4.0-6
8/200-4,5	6	168-8-4.5-6
8/200-4,8	6	168-8-4.8-6
8/200-5,2	6	168-8-5.2-6
8/200-5,5	6	168-8-5.5-6

Flat chain saw files, single packed carded ERGO™ handle



166-2

mm		
6/150	5	166-6-16-2.5-2

Flat chain saw files, industry pack, unhandled



166/167-12

inch/mm		
8/200	12	167-8-21-3.2-12
6/150	12	166-6-16-2.5-12

Chain saw files set  
ERGO™ handle

ergo®



168-C

inch/mm-Ø		
8/200-4,0	10	168-COMBI-4.0
8/200-4,8	10	168-COMBI-4.8
8/200-5,5	10	168-COMBI-5.5

Chain saw files set including filing guide  
ERGO™ handle

ergo®



168-C-G

inch/mm-Ø		
8/200-4,0	10	168-COMBI-4.0-6922
8/200-4,8	10	168-COMBI-4.8-6920
8/200-5,5	10	168-COMBI-5.5-6924

## RASPS

Half round rasps, industry pack, unhandled



6-342...-0

inch/mm-size		
6/150-2	10	6-342-06-2-0
8/200-1	10	6-342-08-1-0
8/200-2	10	6-342-08-2-0
10/250-1	10	6-342-10-1-0
10/250-2	10	6-342-10-2-0

Half round rasps, single packed carded  
ERGO™ handle

ergo®



6-342...-2

inch/mm-size		
6/150-2	5	6-342-06-2-2
8/200-1	5	6-342-08-1-2
8/200-2	5	6-342-08-2-2
10/250-1	5	6-342-10-1-2
10/250-2	5	6-342-10-2-2

Cabinet rasps, industry pack, unhandled



6-343...-0

inch/mm-size		
8/200-2	5	6-343-08-2-0
8/200-3	10	6-343-08-3-0
10/250-2	10	6-343-10-2-0
10/250-3	10	6-343-10-3-0

Cabinet rasps, single packed carded  
ERGO™ handle

ergo®



6-343...-2

inch/mm-size		
8/200-2	5	6-343-08-2-2
10/250-2	5	6-343-10-2-2

Hand rasps  
Industry pack, unhandled



6-344...-0

inch/mm		
8/200-2	12	6-344-08-2-0
10/250-2	10	6-344-10-2-0

Hand rasps, single packed carded  
ERGO™ handle

ergo®



6-344...-2

inch/mm-size		
8/200-2	5	6-344-08-2-2
10/250-2	5	6-344-10-2-2

Round rasps  
Industry pack, unhandled



6-345...-0

inch/mm-size		
8/200-2	10	6-345-08-2-0
10/250-2	10	6-345-10-2-0

Round rasps  
Single carded packed, with ERGO™ handle

ergo®



6-345...-2

inch/mm-size		
8/200-1	5	6-345-08-1-2
8/200-2	5	6-345-08-2-2
10/250-1	5	6-345-10-1-2

File cleaner + card of steel wire



9-467

inch/mm-size		
	1	9-467-00-0-0

ERGO™ handle for smaller sized files

ergo®



9-484...1P

	10	9-484-3.2-1P
	10	9-484-5.2-1P

## ACCESSORIES

Aluminium holder for flat Pansar® blades



9-462

For files	Length mm	
3-330	350	5 9-462-14-0-0

File card, steel wire



9-469

	1	9-469-00-0-0

ERGO™ handle for flat files

ergo®



9-485...10

	10	9-485-06-10
	10	9-485-09-10
	10	9-485-13-10

Holder for flat Pansar® blades



9-463

Inch		
12 - 14	1	9-463-14-0-0

ERGO™ handle for smaller sized files

ergo®



9-484...10

	10	9-484-3.2-10
	10	9-484-5.2-10

ERGO™ handle for flat files

ergo®



9-485...1P

	10	9-485-06-1P
	20	9-485-09-1P
	10	9-485-13-1P



ERGO™ handle for other files

ergo®



9-486...10



10	9-486-04-10
10	9-486-05-10
10	9-486-07-10
10	9-486-08-10

ERGO™ handle for other files

ergo®



9-486...1P



10	9-486-04-1P
10	9-486-05-1P
10	9-486-07-1P

ERGO™ handle for round and flat chain saw files

ergo®



9-486-C-10



10	9-486-C-10
----	------------

ERGO™ handle for round and flat chain saw files

ergo®



9-486-C-1P



10	9-486-C-1P
----	------------

Handle for round chain saw files



PH-6604



15	PH-6604-1P
25	PH-6604-25

### TUNGSTEN CARBIDE ROTARY BURRS

Tungsten carbide rotary burrs, cylindrical  
F=fine, M=medium, C=coarse



A

Width-cut	
03-F	1 A0313F03
03-FE*	1 A0313F03E
03-M	1 A0313M03
03-ME*	1 A0313M03E
03-MX	1 A0313M03X
03-MXE	1 A0313M03XE
03-MXE*	1 A0313M03XE-60
03-MXE	1 A0313M03XE-80
03-C	1 A0313C03
06-MX	1 A0613M03X
06-F	1 A0616F06
06-M	1 A0616M06
06-MDE*	1 A0616M06DE
06-ME	1 A0616M06E

Width-cut	
06-MX	1 A0616M06X
06-MXE	1 A0616M06XE
06-C	1 A0616C06
08-F*	1 A0820F06
08-FE*	1 A0820F06E
08-M	1 A0820M06
08-ME*	1 A0820M06E
08-MX	1 A0820M06X
08-MXE	1 A0820M06XE
08-C*	1 A0820C06
10-F*	1 A1020F06
10-M	1 A1020M06
10-ME*	1 A1020M06E
10-MX	1 A1020M06X
10-MXE	1 A1020M06XE
10-C*	1 A1020C06
10-MX*	1 A1040M06X
10-MX*	1 A1050M06X
12-F*	1 A1225F06
12-FE*	1 A1225F06E
12-M	1 A1225M06
12-M*	1 A1225M06DE
12-ME*	1 A1225M06E
12-MX	1 A1225M06X
12-MXE	1 A1225M06XE
12-C	1 A1225C06
12-F*	1 A1225F08
12-M	1 A1225M08
12-ME*	1 A1225M08E
12-MX*	1 A1225M08X
12-MXE*	1 A1225M08XE
12-C*	1 A1225C08
16-F*	1 A1625F06
16-M*	1 A1625M06
16-MX	1 A1625M06X
16-MXE*	1 A1625M06XE
16-C*	1 A1625C06
16-F*	1 A1625F08
16-M	1 A1625M08
16-ME*	1 A1625M08E
16-MX	1 A1625M08X
16-MXE	1 A1625M08XE
16-C*	1 A1625C08


\* non stock standard

Tungsten carbide rotary burrs, cylindrical round nose  
F=fine, M=medium, C=coarse



C


Width-cut	
03-F	1 C0313F03
03-M	1 C0313M03
03-MX	1 C0313M03X
03-C	1 C0313C03
06-MX	1 C0613M03X
06-MX	1 C0616M03X
06-F	1 C0616F06
06-M	1 C0616M06
06-M*	1 C0616M06D
06-MX	1 C0616M06X


Width-cut	
06-C	1 C0616C06
08-F	1 C0820F06
08-M	1 C0820M06
08-MX	1 C0820M06X
08-C*	1 C0820C06
10-F*	1 C1020F06
10-M	1 C1020M06
10-MX	1 C1020M06X
10-C	1 C1020C06
12-F	1 C1225F06
12-M	1 C1225M06
12-MX	1 C1225M06X
12-C	1 C1225C06
12-F*	1 C1225F08
12-M	1 C1225M08
12-MX	1 C1225M08X
12-C*	1 C1225C08
16-F*	1 C1625F06
16-M	1 C1625M06
16-MX	1 C1625M06X
16-C*	1 C1625C06
16-F*	1 C1625F08
16-M	1 C1625M08
16-MX	1 C1625M08X
16-C*	1 C1625C08

\* non stock standard

Tungsten carbide rotary burrs, spherical  
F=fine, M=medium, C=coarse,




width-cut	
03-F	1 D0303F03
03-M	1 D0303M03
03-MX	1 D0303M03X
03-C*	1 D0303C03
06-MX	1 D0605M03X
06-F*	1 D0606F06
06-M	1 D0606M06
06-MX	1 D0606M06X
06-C	1 D0606C06
08-F*	1 D0807F06
08-M	1 D0807M06
08-MX	1 D0807M06X
08-C*	1 D0807C06
10-F*	1 D1009F06
10-M	1 D1009M06
10-MX	1 D1009M06X
10-C	1 D1009C06
12-F	1 D1211F06
12-D*	1 D1211F06D
12-M	1 D1211M06
12-MX	1 D1211M06X
12-C	1 D1211C06
16-F*	1 D1614F06
16-M	1 D1614M06
16-MX	1 D1614M06X
16-C*	1 D1614C06
16-F*	1 D1614F08

width-cut	
16-M*	1 D1614M08
16-MX*	1 D1614M08X
16-C*	1 D1614C08

\* non stock standard

Tungsten carbide rotary burrs, oval  
F=fine, M=medium, C=coarse;




width-cut	
03-F*	1 E0308F03
03-M	1 E0308M03
03-MX*	1 E0308M03X
03-C*	1 E0308C03
06-F*	1 E0614F06
06-M	1 E0614M06
06-MX	1 E0614M06X
06-C*	1 E0614C06
08-F*	1 E0816F06
08-M	1 E0816M06
08-MX	1 E0816M06X
08-C*	1 E0816C06
10-F*	1 E1018F06
10-M	1 E1018M06
10-MX	1 E1018M06X
10-C*	1 E1018C06
12-F*	1 E1222F06
12-M	1 E1222M06
12-MX	1 E1222M06X
12-C*	1 E1222C06
12-F*	1 E1222F08
12-M*	1 E1222M08
12-MX*	1 E1222M08X
12-C*	1 E1222C08
16-F*	1 E1625F06
16-M	1 E1625M06
16-MX	1 E1625M06X
16-C*	1 E1625C06
16-F*	1 E1625F08
16-M*	1 E1625M08
16-MX	1 E1625M08X
16-C*	1 E1625C08

\* non stock standard

Tungsten carbide rotary burrs, arch round nose  
F=fine, M=medium, C=coarse



width-cut	
03-F	1 F0313F03
03-M	1 F0313M03
03-MX	1 F0313M03X
03-C*	1 F0313C03
04-F*	1 F0612F04
04-M*	1 F0612M04
04-MX*	1 F0612M04X
04-C*	1 F0612C04
03-MX	1 F0613M03X
06-F*	1 F0618F06
06-M	1 F0618M06
06-MX	1 F0618M06X
06-C	1 F0618C06
08-F*	1 F0820F06
08-M	1 F0820M06
08-MX	1 F0820M06X
08-C*	1 F0820C06
10-F*	1 F1020F06
10-M	1 F1020M06
10-MX	1 F1020M06X
10-C*	1 F1020C06
12-F	1 F1225F06
12-M	1 F1225M06
12-MX	1 F1225M06X
12-C	1 F1225C06
12-F*	1 F1225F08
12-M	1 F1225M08
12-MX	1 F1225M08X
12-C*	1 F1225C08
16-F*	1 F1625F06
16-M	1 F1625M06
16-MX	1 F1625M06X
16-C*	1 F1625C06
16-F*	1 F1625F08
16-M*	1 F1625M08
16-MX*	1 F1625M08X
16-C*	1 F1625C08

\* non stock standard

Tungsten carbide rotary burrs, arch pointed nose  
F=fine, M=medium, C=coarse



G

Width-cut		
03-F	1	G0313F03
03-M	1	G0313M03
03-MX	1	G0313M03X
03-C	1	G0313C03
06-MX	1	G0613M03X
06-F	1	G0618F06
06-M	1	G0618M06
06-MX	1	G0618M06X
06-C	1	G0618C06
08-F*	1	G0820F06
08-M	1	G0820M06
08-MX	1	G0820M06X
08-C*	1	G0820C06
10-F*	1	G1020F06
10-M	1	G1020M06
10-MX	1	G1020M06X
10-C*	1	G1020C06
12-F	1	G1225F06
12-M	1	G1225M06
12-MX	1	G1225M06X
12-C	1	G1225C06
12-F*	1	G1225F08
12-M	1	G1225M08
12-MX	1	G1225M08X
12-C*	1	G1225C08
16-F*	1	G1625F06
16-M	1	G1625M06
16-MX	1	G1625M06X
16-C*	1	G1625C06
16-F*	1	G1625F08
16-M*	1	G1625M08
16-MX	1	G1625M08X
16-C*	1	G1625C08

\* non stock standard

Tungsten carbide rotary burrs, flame  
F=fine, M=medium, C=coarse



H

Width-cut		
06-MX	1	H0613M03X
10-F*	1	H1025F06
10-M	1	H1025M06
10-M*	1	H1025M08
10-MX	1	H1025M06X
10-C*	1	H1025C06
12-M	1	H1232M06

Width-cut		
12-MX	1	H1232M06X
16-F*	1	H1635F06
16-MX	1	H1635M06X
16-M*	1	H1635M06
16-C*	1	H1635C06
16-F*	1	H1635F08
16-M*	1	H1635M08
16-MX*	1	H1635M08X
16-C*	1	H1635C08

\* non stock standard

Tungsten carbide rotary burrs, 60° cone  
F=fine, M=medium, C=coarse



J

Width-cut		
06-F*	1	J0604F06
06-M	1	J0604M06
06-C*	1	J0604C06
10-F*	1	J1010F06
10-M	1	J1010M06
10-C*	1	J1010C06
12-M	1	J1212M06
16-F*	1	J1616F06
16-M	1	J1616M06
16-C*	1	J1616C06
16-F*	1	J1616F08
16-M*	1	J1616M08
16-C*	1	J1616C08

\* non stock standard

Tungsten carbide rotary burrs, 90° cone  
F=fine, M=medium, C=coarse



K

Width-cut		
06-F*	1	K0602F06
06-M	1	K0602M06
06-C*	1	K0602C06
10-F*	1	K1008F06
10-M	1	K1008M06
10-C*	1	K1008C06
12-F*	1	K1210F06
12-M	1	K1210M06
12-C*	1	K1210C06
16-F*	1	K1612F06
16-M*	1	K1612M06
16-C*	1	K1612C06

Width-cut		
16-M	1	K1612M08
16-F*	1	K1612F08
16-C*	1	K1612C08

\* non stock standard

Tungsten carbide rotary burrs, conical round nose  
F=fine, M=medium, C=coarse



L

Width-cut		
10-F*	1	L1020F06
10-M	1	L1020M06
10-MX	1	L1020M06X
10-C*	1	L1020C06
12-F*	1	L1225F06
12-M	1	L1225M06
12-MX	1	L1225M06X
12-F*	1	L1230F06
12-M	1	L1230M06
12-MX	1	L1230M06X
12-C*	1	L1230C06
16-F*	1	L1630F06
16-M*	1	L1630M06
16-MX	1	L1630M06X
16-C*	1	L1630C06
16-M	1	L1630M08
16-MX	1	L1630M08X
16-F*	1	L1630F08
16-C*	1	L1630C08

\* non stock standard

Tungsten carbide rotary burrs, conical pointed nose  
F=fine, M=medium, C=coarse



M

Width-cut		
03-F	1	M0310F03
03-M	1	M0310M03
03-MX	1	M0310M03X
03-C*	1	M0310C03
06-MX	1	M0613M03X
06-F	1	M0618F06
06-M	1	M0618M06
06-MX	1	M0618M06X
06-C	1	M0618C06
10-F*	1	M1022F06
10-M	1	M1022M06

**Width-cut**



10-MD*	1	M1022M06D
10-MX	1	M1022M06X
10-C*	1	M1022C06
12-F*	1	M1227F06
12-M	1	M1227M06
12-MX	1	M1227M06X
12-C*	1	M1227C06
12-F*	1	M1227F08
12-M*	1	M1227M08
12-MX*	1	M1227M08X
12-C*	1	M1227C08
16-F*	1	M1630F06
16-M	1	M1630M06
16-MX	1	M1630M06X
16-C*	1	M1630C06
16-F*	1	M1630F08
16-M	1	M1630M08
16-MX	1	M1630M08X
16-C*	1	M1630C08

\* non stock standard

**Tungsten carbide rotary burrs, inverted cone**  
F=fine, M=medium, C=coarse



**N**

**Width-cut**



03-F*	1	N0306F03
03-M	1	N0306M03
03-ME*	1	N0306M03E
03-C*	1	N0306C03
06-F*	1	N0607F06
06-M*	1	N0607M06
06-ME*	1	N0607M06E
06-C*	1	N0607C06
12-F*	1	N1213F06
12-M	1	N1213M06
12-ME*	1	N1213M06E
12-X	1	N1213M06X
12-C*	1	N1213C06
16-F*	1	N1613F06
16-M*	1	N1613M06
16-ME*	1	N1613M06E
16-MX*	1	N1613M06X
16-C*	1	N1613C06
16-F*	1	N1613F08
16-M	1	N1613M08
16-ME*	1	N1613M08E
16-C*	1	N1613C08

\* non stock standard

**Tungsten carbide rotary burrs**  
Cylindrical burrs for aluminium



**A-AL**

**width-cut**



06-ALE	1	A0616AL06E
12-ALE	1	A1225AL06E
12-ALE	1	A1225AL08E

**Tungsten carbide rotary burrs**  
Burs for aluminium arch round nose



**F-AL**

**width-cut**



06-AL	1	F0618AL06
12-AL	1	F1225AL06
12-AL	1	F1225AL08

**Tungsten carbide rotary burrs**  
Cylindrical round nose burrs for aluminium



**C-AL**

**width-cut**



06-AL	1	C0616AL06
12-AL	1	C1225AL06
12-AL	1	C1225AL08

**Tungsten carbide rotary burrs**  
Burs for aluminium, conical-round nose



**L-AL**

**width-cut**



12-AL	1	L1230AL06
12-AL*	1	L1230AL08

\* non stock standard

**Tungsten carbide rotary burrs**  
Burs for aluminium, spherical



**D-AL**

**width-cut**



12-AL	1	D1211AL06
12-AL*	1	D1211AL08

\* non stock standard

**Tungsten carbide rotary burrs**  
Special burrs for internal grinding



**A-int**

**width-cut**



04-FD*	1	A0408F03D
06-FD*	1	A0610F06D
08-FD	1	A0810F06D

\* non stock standard

Tungsten carbide rotary burrs  
Special burr for tyre repair



A/G

width-cut		
03-MX	1	A0320M03X
06-MX	1	A0625M06X
06-MX*	1	G0645M4.9X
08-MX*	1	G0845M6.6X
10-MX*	1	G1050M8.3X
06-MX(HSS)*	1	HSSG-G0645MX

\* non stock standard

## HSS ROTARY BURRS

HSS rotary burrs, cylindrical  
F=fine, M=medium, C=coarse



HSSG-A

Width-cut		
06-M	1	HSSG-A0616M
10-M	1	HSSG-A1020M
12-EC	1	HSSG-A1225EC
12-M	1	HSSG-A1225M
16-M	1	HSSG-A1625M

HSS rotary burrs, cylindrical single pack, A-Shape  
F=fine, M=medium, C=coarse, EC= extra coarse



HSSG-A-S

	1	HSSG-A0616M-S
	1	HSSG-A1020M-S
	1	HSSG-A1225M-S
	1	HSSG-A1225EC-S
	1	HSSG-A1625M-S

HSS rotary burrs, cylindrical round nose  
M=medium, C=coarse, EC= extra coarse



HSSG-C

Width-cut		
06-M	1	HSSG-C0616M
10-M	1	HSSG-C1020M
12-EC	1	HSSG-C1225EC
12-M	1	HSSG-C1225M

HSS rotary burrs, cylindrical round nose burrs, single pack  
M=medium, C=coarse, EC= extra coarse



HSSG-C-S

	1	HSSG-C0616M-S
	1	HSSG-C1020M-S
	1	HSSG-C1225M-S
	1	HSSG-C1225EC-S

HSS rotary burrs, spherical  
M=medium, C=coarse, EC= extra coarse



HSSG-D

Width-cut		
06-M	1	HSSG-D0606M
08-M	1	HSSG-D0807M
10-M	1	HSSG-D1009M
12-EC	1	HSSG-D1211EC
12-M	1	HSSG-D1211M
16-M	1	HSSG-D1614M

HSS rotary burrs, spherical single pack  
M=medium, C=coarse, EC= extra coarse



HSSG-D-S

	1	HSSG-D0606M-S
	1	HSSG-D0807M-S
	1	HSSG-D1009M-S
	1	HSSG-D1211M-S
	1	HSSG-D1211EC-S

HSS rotary burrs, oval  
M=medium, C=coarse, EC= extra coarse



HSSG-E

Width-cut		
06-M	1	HSSG-E0614M
12-EC	1	HSSG-E1222EC
12-M	1	HSSG-E1222M
16-M	1	HSSG-E1625M

HSS rotary burrs, oval, single pack  
M=medium, C=coarse, EC= extra coarse



HSSG-E-S

	1	HSSG-E1222M-S
	1	HSSG-E1222EC-S
	1	HSSG-E1625M-S

HSS rotary burrs, arch round nose  
M=medium, C=coarse, EC= extra coarse




HSSG-F

Width-cut		
06-M	1	HSSG-F0618M
12-M	1	HSSG-F1225M
16-M	1	HSSG-F1625M

HSS rotary burrs, arch pointed nose, single pack  
M=medium, C=coarse, EC= extra coarse



HSSG-G-S

Width-cut		
06-M	1	HSSG-G0618M-S
12-M	1	HSSG-G1220M-S
16-M	1	HSSG-G1225M-S

HSS rotary burrs, inverted cone  
M=medium, C=coarse, EC= extra coarse



HSSG-N

Width-cut		
12-M	1	HSSG-N1230M

HSS rotary burrs, arch round nose, single pack  
M=medium, C=coarse, EC= extra coarse



HSSG-F-S

Width-cut		
06-M	1	HSSG-F0618M-S
12-M	1	HSSG-F1225M-S

HSS rotary burrs, conical pointed nose  
M=medium, C=coarse, EC= extra coarse



HSSG-M

Width-cut		
06-M	1	HSSG-M0618M
12-M	1	HSSG-M1227M

HSS rotary burrs, oval pointed nose  
M=medium, C=coarse, EC= extra coarse





HSSG-O

Width-cut		
12-M	1	HSSG-O1218M

HSS rotary burrs, arch pointed nose  
M=medium, EC= extra coarse



HSSG-G

Width-cut		
06-M	1	HSSG-G0618M
12-M	1	HSSG-G1220M
12-EC	1	HSSG-G1225EC
12-M	1	HSSG-G1225M

HSS rotary burrs, conical pointed nose, single pack  
M=medium, C=coarse, EC= extra coarse



HSSG-M-S

Width-cut		
06-M	1	HSSG-M0618M-S
12-M	1	HSSG-M1227M-S

HSS rotary burrs, pear  
M=medium, C=coarse, EC= extra coarse



HSSG-P

Width-cut		
06-M	1	HSSG-P0622M
12-M	1	HSSG-P1230M

**ACCESSORIES**

Spark plug wire brush



52

mm

150



12 52

General purpose utility wire brush



782-U

mm

290



1 782-U

Steel, brake brush



783

mm

230



1 783

Terminal brush



2555

mm

85



12 2555



## Wrenches

---



## ADJUSTABLE WRENCHES

Black finish adjustable wrench, series P  
Reversible jaw



9072

90

mm	
158x20	5 9070
158x21	5 9070 P
208x27	5 9071
208x28	5 9071 P
257x31	5 9072
257x33	5 9072 P
308x34	5 9073
308x35	5 9073 P

Adjustable wrench set



ADJUST 3-90



1 ADJUST 3-90

ADJUST 3-90

9070, 9071, 9072

Chrome plated adjustable wrench, series P  
Reversible jaw



9072C

90C

mm	
158x20	5 9070C
158x21	5 9070 PC
208x27	5 9071C
208x28	5 9071 PC
257x31	5 9072 C
257x33	5 9072 PC
308x34	3 9073 C
308x35	3 9073 PC

Black finish adjustable wrench, wide opening

ergo®



9029-9035

mm	
170x32	5 9029
218x38	5 9031
270x46.5	5 9033
324x55.6	5 9035

Special adjustable wrench, with extra wide jaw opening

ergo®



9029C/9031C

mm	
170x32	5 9029 C
218x38	5 9031 C

Adjustable wrench, wide opening, extra thin jaws

ergo®



9029-T/9031-T

mm	
170x32	5 9029-T
218x38	5 9031-T

Adjustable wrench, wide opening and reversible jaw

ergo®



9031P

mm	
218x39	5 9031P

Phosphated adjustable wrench, series P  
Reversible jaw



80

mm	
110x13	5 8069
155x20	5 8070
205x27	5 8071
255x30	5 8072
305x34	5 8073
380x44	3 8074
455x53	3 8075
110x13	50 8069 IP
155x20	40 8070 IP
205x27	50 8071 IP
255x30	30 8072 IP
305x34	20 8073 IP
380x44	20 8074 IP
455x53	10 8075 IP

Adjustable wrench set



ADJUST 3



1 ADJUST 3

ADJUST 3

8070, 8071, 8072

Chrome plated adjustable wrench, series P  
Reversible jaw



80C

mm		
110x13	5	8069 C
155x20	5	8070 C
205x27	5	8071 C
255x30	5	8072 C
305x34	3	8073 C
380x44	3	8074 C
455x53	3	8075 C
110x13	5	8069 C IP
155x20	5	8070 C IP
205x27	5	8071 C IP
255x30	5	8072 C IP
305x34	3	8073 C IP
380x44	3	8074 C IP
455x53	3	8075 C IP

Adjustable wrench



31

31/86/87

mm		
205x32	5	31
205x32	50	31 IP
614x63	1	86
770x85	1	87

Spare parts for adjustable wrenches  
-1=jaw; -2=roll/pin and spring



-1



-2

RPS

For code		
8069 C	1	8069-1
9070 C	1	8070-1
9071 C	1	8071-1
9072 C	1	8072-1
9073 C	1	8073-1
8074 C	1	8074-1
8075 C	1	8075-1
9029	1	9029-1
9031	1	9031-1
86	1	86-1
87	1	87-1
8069 C	1	8069-2
9070 C	1	8070-2
9071 C	1	8071-2
9072 C	1	8072-2
9073 C	1	8073-2
8074 C	1	8074-2
8075 C	1	8075-2
9029	1	9029-2
86	1	86-2
87	1	87-2

Spare parts for adjustable wrenches  
-1=jaw; -2=roll/pin and spring



P-2

RPS-P

For code		
9031 PC	1	9031 P-1
9070 PC	1	9070 P-1
9071 PC	1	9071 P-1
8072 PC	1	9072 P-1
8073 PC	1	9073 P-1

Spare parts for adjustable wrenches  
-1=jaw; -2=roll/pin and spring



R-1



R-2

RPS-R

For code		
3004N	1	8069 R-1
3006N	1	8070 R-1
3008N	1	8071 R-1
3010N	1	8072 R-1
3012N	1	8073 R-1
3004N	1	8069 R-2
3006N	1	8070 R-2
3008N	1	8071 R-2
3010N	1	8072 R-2
3012N	1	8073 R-2

Black finish adjustable wrenches, heavy duty



95

mm		
158x20	5	9570
208x27	5	9571
257x35	5	9572
308x39.5	3	9573

Chrome plated adjustable wrench, heavy duty



95C

mm		
158x20	5	9570C
208x27	5	9571C
257x35	5	9572C
308x39.5	3	9573C

Side nut adjustable wrench for heavy applications



97C

91C/97C

inch	mm	
6	150	5 91C
8	200	5 92C
10	250	5 93C
12	300	3 94C
16	400	1 95C
20	500	1 96C
30	750	1 97C

COMBINATION WRENCHES

Combination wrench, metric



111M

mm		
5,5	10	111M-5.5
6	10	111M-6
7	10	111M-7
8	10	111M-8
9	10	111M-9
10	10	111M-10
11	10	111M-11
12	10	111M-12
13	10	111M-13
14	10	111M-14
15	10	111M-15
16	10	111M-16
17	10	111M-17
18	10	111M-18
19	10	111M-19
20	10	111M-20
21	10	111M-21
22	5	111M-22
23	5	111M-23
24	5	111M-24
25	5	111M-25
26	5	111M-26
27	5	111M-27
28	5	111M-28
29	5	111M-29
30	5	111M-30
33	5	111M-33
32	5	111M-32
34	5	111M-34
36	1	111M-36
38	1	111M-38
41	1	111M-41
46	1	111M-46
50	1	111M-50
55	1	111M-55
60	1	111M-60
65	1	111M-65
70	1	111M-70
75	1	111M-75
80	1	111M-80
6	1	SB111M-6
7	1	SB111M-7
8	1	SB111M-8
9	1	SB111M-9
10	1	SB111M-10
11	1	SB111M-11
12	1	SB111M-12
13	1	SB111M-13
14	1	SB111M-14

mm		
15	1	SB111M-15
16	1	SB111M-16
17	1	SB111M-17
18	1	SB111M-18
19	1	SB111M-19
20	1	SB111M-20
21	1	SB111M-21
22	1	SB111M-22
23	1	SB111M-23
24	1	SB111M-24
25	1	SB111M-25
26	1	SB111M-26
27	1	SB111M-27
30	1	SB111M-30
32	1	SB111M-32

Combination wrench set, metric



111M/SH8



111M/SH12

111M/SH

1	111M/SH8
1	111M/SH12

<b>111M/SH6</b>	
8 10 12 13 14 17 mm	
<b>111M/SH8</b>	
8 10 12 13 14 17 19 22 mm	
<b>111M/SH12</b>	
8 9 10 11 12 13 14 15 16 17 18 19 mm	

Combination wrench set, metric



111M/T



- 1 111M/11T
- 1 111M/14T
- 1 111M/17T
- 1 111M/17TL
- 1 111M/24T
- 1 111M/26T

<b>111M/7T</b>	
8 10 13 14 17 19 22 mm	
<b>111M/11T</b>	
8 9 10 11 12 13 14 15 17 19 22 mm	
<b>111M/14T</b>	
6 8 9 10 13 14 15 17 19 22 24 27 30 32 mm	
<b>111M/17T</b>	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 mm	
<b>111M/17TL</b>	
8 9 10 11 12 13 14 15 16 18 19 22 24 26 27 30 32 mm	
<b>111M/24T</b>	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 26 27 28 30 32 36 mm	
<b>111M/26T</b>	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 mm	

Combination wrench set, metric



111M/



- 1 111M/S10

<b>111M/S10</b>	
8 9 10 11 12 13 14 17 19 22 mm	

Combination wrench, inch



111Z

inch		
1/4	5	111Z-1/4
5/16	5	111Z-5/16
3/8	5	111Z-3/8
7/16	5	111Z-7/16
1/2	5	111Z-1/2
9/16	5	111Z-9/16
5/8	5	111Z-5/8
11/16	5	111Z-11/16
3/4	5	111Z-3/4
13/16	5	111Z-13/16
7/8	5	111Z-7/8
15/16	3	111Z-15/16
1	3	111Z-1
1.1/16	5	111Z-1.1/16
1.1/8	5	111Z-1.1/8
1.1/4	5	111Z-1.1/4
1.5/16	5	111Z-1.5/16
1.3/8	1	111Z-1.3/8
1.7/16	1	111Z-1.7/16
1.1/2	1	111Z-1.1/2
1.5/8	1	111Z-1.5/8
1.11/16	1	111Z-1.11/16
1.3/4	1	111Z-1.3/4
1.13/16	1	111Z-1.13/16
1.7/8	1	111Z-1.7/8
2	1	111Z-2
2.1/8	1	111Z-2.1/8
2.1/4	1	111Z-2.1/4
2.3/8	1	111Z-2.3/8
2 1/2	1	111Z-2.1/2
2.5/8	1	111Z-2.5/8
2.3/4	1	111Z-2.3/4
2.7/8	1	111Z-2.7/8
3	1	111Z-3

Combination wrench set, inch



111Z/

inch		
1 111Z/8T		
1 111Z/11T		

<b>111Z/8T</b>	
3/8 7/16 1/2 9/16 5/8 11/16 3/4 7/8	
<b>111Z/11T</b>	
3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1	

Combination wrench



S20

inch		
6	1	SBS20-6
7	1	SBS20-7
8	1	SBS20-8
9	1	SBS20-9
10	1	SBS20-10
11	1	SBS20-11
12	1	SBS20-12
13	1	SBS20-13
14	1	SBS20-14
15	1	SBS20-15
16	1	SBS20-16
17	1	SBS20-17
18	1	SBS20-18
19	1	SBS20-19
20	1	SBS20-20
21	1	SBS20-21
22	1	SBS20-22
24	1	SBS20-24
27	1	SBS20-27
30	1	SBS20-30
32	1	SBS20-32

Combination wrench set



S20/SH6

S20/

1 S20/SH6		
1 S20/SH12		

<b>S20/SH6</b>	
8 10 12 13 14 17mm	
<b>S20/SH12</b>	
8 9 10 11 12 13 14 15 16 17 18 19mm	

Set of combination wrenches, metric



BS20/



1 BS20/S10

**BS20/S10**

8 10 11 13 14 16 17 18 19 22 mm

Combination wrench, long type, metric



11M

mm



8	5	11M-8
9	5	11M-9
10	5	11M-10
11	5	11M-11
12	5	11M-12
13	5	11M-13
14	5	11M-14
15	5	11M-15
16	5	11M-16
17	5	11M-17
18	5	11M-18
19	5	11M-19
21	5	11M-21
22	5	11M-22
24	5	11M-24
27	1	11M-27
30	1	11M-30
32	1	11M-32
36	1	11M-36
38	1	11M-38

Combination wrench set, long type metric



11M/



1 11M/S8

**11M/S8**

8 9 10 11 13 14 17 19 mm

Liliput combination wrench, metric



4020L-M

mm



3	5	4020L-M-3
3,2	1	4020L-M-3.2
3,5	5	4020L-M-3.5
4	5	4020L-M-4
4,5	5	4020L-M-4.5
5	5	4020L-M-5
5,5	5	4020L-M-5.5

Combination wrench, offset, metric



1952M

mm



6	10	1952M-6
7	10	1952M-7
8	10	1952M-8
9	10	1952M-9

mm



10	10	1952M-10
11	10	1952M-11
12	10	1952M-12
13	10	1952M-13
14	10	1952M-14
15	10	1952M-15
16	10	1952M-16
17	10	1952M-17
18	10	1952M-18
19	10	1952M-19
20	10	1952M-20
21	10	1952M-21
22	5	1952M-22
23	5	1952M-23
24	5	1952M-24
25	5	1952M-25
26	5	1952M-26
27	5	1952M-27
28	1	1952M-28
29	1	1952M-29
30	1	1952M-30
32	1	1952M-32
34	1	1952M-34
36	1	1952M-36
41	1	1952M-41
46	1	1952M-46
50	1	1952M-50
55	1	1952M-55
60	1	1952M-60
65	1	1952M-65
70	1	1952M-70
75	1	1952M-75
80	1	1952M-80
7	1	SB1952M-7
8	1	SB1952M-8
10	1	SB1952M-10
12	1	SB1952M-12
13	1	SB1952M-13
14	1	SB1952M-14
17	1	SB1952M-17
19	1	SB1952M-19
24	1	SB1952M-24

Combination wrench set, offset, metric



1952M/



1 1952M/10

**1952M/10**

8 9 10 11 12 13 14 15 17 19 mm

Combination wrench set, offset, metric



1952M/T



- 1 1952M/7T
- 1 1952M/14T
- 1 1952M/17T
- 1 1952M/26T

<b>1952M/7T</b>	
8 10 13 14 17 19 22 mm	
<b>1952M/14T</b>	
6 8 9 10 13 14 15 17 19 22 24 27 30 32 mm	
<b>1952M/17T</b>	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 mm	
<b>1952M/26T</b>	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 mm	

Combination wrench set, offset, metric



1952M/SH



- 1 1952M/SH6
- 1 1952M/SH8
- 1 1952M/SH12

<b>1952M/SH6</b>	
8 10 12 13 14 17 mm	
<b>1952M/SH8</b>	
8 10 12 13 14 17 19 22 mm	
<b>1952M/SH12</b>	
8 9 10 11 12 13 14 15 16 17 18 19 mm	

Combination wrench, offset, inch



1952Z

inch		
1/4	5	1952Z-1/4
5/16	5	1952Z-5/16
11/32	5	1952Z-11/32
3/8	5	1952Z-3/8
7/16	5	1952Z-7/16
1/2	5	1952Z-1/2
9/16	5	1952Z-9/16
5/8	5	1952Z-5/8
11/16	5	1952Z-11/16
3/4	5	1952Z-3/4
13/16	5	1952Z-13/16
7/8	5	1952Z-7/8
15/16	5	1952Z-15/16
1	1	1952Z-1
1.1/16	1	1952Z-1.1/16
1.1/8	1	1952Z-1.1/8
1.1/4	1	1952Z-1.1/4
1.5/16	1	1952Z-1.5/16
1.3/8	1	1952Z-1.3/8
1.7/16	1	1952Z-1.7/16
1.1/2	1	1952Z-1.1/2
1.5/8	1	1952Z-1.5/8

Combination wrench set, offset, inch



1952Z/T

1 1952Z/11T	1	1952Z/11T

<b>1952Z/11T</b>	
1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8	

Combination wrench, offset, metric



PU

mm		
6	5	PU-6
7	5	PU-7
8	5	PU-8
9	5	PU-9
10	5	PU-10
11	5	PU-11
12	5	PU-12
13	5	PU-13
14	5	PU-14
15	5	PU-15
16	5	PU-16
17	5	PU-17
18	5	PU-18
19	5	PU-19
20	3	PU-20
21	3	PU-21
22	3	PU-22
23	3	PU-23
24	3	PU-24
25	1	PU-25
26	1	PU-26
27	1	PU-27
28	1	PU-28
29	1	PU-29
30	1	PU-30
32	1	PU-32
36	1	PU-36
42	1	PU-42

Combination wrench set, offset, metric



PU/

mm		
8-19	1	PU/SH12

<b>PU/SH12</b>	
8 9 10 11 12 13 14 15 16 17 18 19 mm	



## RATCHETING WRENCHES

Ratcheting combination wrench, metric



1RM

mm	
6	1 1RM-6
7	1 1RM-7
8	1 1RM-8
9	1 1RM-9
10	1 1RM-10
11	1 1RM-11
12	1 1RM-12
13	1 1RM-13
14	1 1RM-14
15	1 1RM-15
16	1 1RM-16
17	1 1RM-17
18	1 1RM-18
19	1 1RM-19
21	1 1RM-21
22	1 1RM-22
24	1 1RM-24
27	1 1RM-27
30	1 1RM-30
32	1 1RM-32

Ratchet combination wrench set



1RM/

mm	
8-17	1 1RM/SH6
8-19	1 1RM/SH8
8-19	10 1RM/SH12

<b>1RM/SH6</b>	
8 10 12 13 14 17 mm	
<b>1RM/SH8</b>	
8 10 11 12 13 14 17 19 mm	
<b>1RM/SH12</b>	
8 9 10 11 12 13 14 15 16 17 18 19 mm	

Ratchet combination wrench set



1RM/S5

mm	
8-19	10 1RM/S5

<b>1RM/S5</b>	
8,10,13,17,19 mm	

Ratcheting combination wrench, inch



1RZ

Dimension	
1/4	1 1RZ-1/4
5/16	1 1RZ-5/16
3/8	1 1RZ-3/8
7/16	1 1RZ-7/16
1/2	1 1RZ-1/2
9/16	1 1RZ-9/16
5/8	1 1RZ-5/8
11/16	1 1RZ-11/16
3/4	1 1RZ-3/4

Set of ratchet combination wrenches, inch



1RZ/

<b>1RZ/SH8</b>	
5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4	

Ratcheting combination wrench, short series, metric



10RM

Dimension	
8	1 10RM-8
10	1 10RM-10
13	1 10RM-13
14	1 10RM-14
17	1 10RM-17
19	1 10RM-19

Set of ratchet combination stubby wrench, metric



10RM/

<b>10RM/SH6</b>	
8 10 13 14 17 19 mm	

Locking flex head ratcheting combination wrenches, metric



41RM

mm	
8	1 41RM-8
10	1 41RM-10
11	1 41RM-11
12	1 41RM-12
13	1 41RM-13
14	1 41RM-14
17	1 41RM-17
19	1 41RM-19
21	1 41RM-21

Set of ratchet combination wrenches, metric



41RM/SH8



10 41RM/SH8

41RM/SH8

8, 10, 11, 12, 13, 14, 17, 19 mm

Ratcheting ring wrench, metric



1320RM

mm



6x7	1	1320RM-6-7
8x9	1	1320RM-8-9
10x11	1	1320RM-10-11
12x13	1	1320RM-12-13
14x15	1	1320RM-14-15
16x17	1	1320RM-16-17
18x19	1	1320RM-18-19
22x24	1	1320RM-22-24

Ratcheting ring wrench set



1320RM/

mm



1 1320RM/SH8

1320RM/SH8

6x7 8x9 10x11 12x13 14x15 16x17 18x19 22x24 mm

Ratcheting ring wrench, inch



1320RZ

Inch



1/4 x 5/16	1	1320RZ-1/4-5/16
3/8 x 7/16	1	1320RZ-3/8-7/16
1/2 x 9/16	1	1320RZ-1/2-9/16

S type ratcheting box wrench



1320SRM

mm



14-19	1	1320SRM-14-19
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S type ratcheting ring wrench set



1320SRM/



1 1320SRM/S29

1320SRM-14-19

1RMA-14-\_\_-HEX

8, 9, 10, 11, 12, 5/16, 3/8, 7/16

1RMA-19-\_\_-HEX

13, 15, 16, 17, 1/2, 9/16, 5/8, 11/16

1RMA-14-\_\_-TX

E8, E10, E11, E12, E14

1RMA-19-\_\_-TX

E16, E18, E20, E22

1RMA-19-1/4-SQ

1RMA-19-1/2-SQ2

SBS19-TH22

Socket and bit adaptors for ratcheting wrenches



1RMA-10-1/4-SQ



1RMA-19-1/4-SQ

1RMA-SQ

ref



10mm-1/4sq	1	1RMA-10-1/4-SQ
13mm-3/8sq	1	1RMA-13-3/8-SQ
19mm-1/2sq	1	1RMA-19-1/2-SQ
19mm-1/4sq	1	1RMA-19-1/4-SQ

Bit adaptors for ratcheting wrenches



1RMA-BIT

mm "



10-1/4"	1	1RMA-10-1/4-BIT
13-5/16"	1	1RMA-13-5/16-BIT
13-10	1	1RMA-13-10-BIT

Set of ratcheting wrench adaptors 4 pcs



1RMA/S4



1 1RMA/S4

1RMA-10-1/4-SQ



1RMA-13-3/8-SQ



1RMA-19-1/2-SQ



1RMA-10-1/4-BIT



Set of ratcheting combination wrenches and adaptors, 8pcs



1RMA/S8



1 1RMA/S8

1RMA-10-1/4-SQ



1RMA-13-3/8-SQ



1RMA-19-1/2-SQ



1RMA-10-1/4-BIT



1RM

10, 13, 19 mm



4 in 1 ratcheting box wrench



S4RM

mm



4-5-6-7	1	S4RM-4-7
8-9-10-11	1	S4RM-8-11
12-13-14-15	1	S4RM-12-15
16-17-18-19	1	S4RM-16-19
21-22-24-27	1	S4RM-21-27
30-32-34-36	1	S4RM-30-36

4 in 1 ratcheting ring wrench sets



S4RM/



20	S4RM/3T
1	S4RM/4T
1	S4RM/5T

S4RM/3T

8x9x10x11 12x13x14x15 16x17x18x19

S4RM/4T

8x9x10x11 12x13x14x15 16x17x18x19 21x22x24x27

S4RM/5T

8x9x10x11 12x13x14x15 16x17x18x19 21x22x24x27 30x32x34x36

OPEN END WRENCHES

Double open end wrench, metric



6M

mm

mm



4x5	105	10	6M-4-5
4,5x5,5	105	10	6M-4.5-5.5
5x5,5	105	10	6M-5-5.5
5,5x7	122	10	6M-5.5-7

mm	mm		
6x7	122	10	6M-6-7
7x8	122	10	6M-7-8
8x9	138	10	6M-8-9
8x10	138	10	6M-8-10
10x11	153	10	6M-10-11
10x13	153	10	6M-10-13
12x13	168	10	6M-12-13
12x14	168	10	6M-12-14
13x14	168	10	6M-13-14
13x15	183	10	6M-13-15
13x16	183	10	6M-13-16
13x17	183	10	6M-13-17
14x15	183	10	6M-14-15
14x17	183	10	6M-14-17
16x17	201	10	6M-16-17
16x18	201	10	6M-16-18
17x19	222	10	6M-17-19
18x19	222	10	6M-18-19
19x22	225	10	6M-19-22
19x24	225	10	6M-19-24
20x22	225	10	6M-20-22
21x23	240	10	6M-21-23
21x24	240	10	6M-21-24
22x24	240	10	6M-22-24
24x26	260	10	6M-24-26
24x27	260	10	6M-24-27
24x30	280	5	6M-24-30
25x28	280	5	6M-25-28
27x29	280	5	6M-27-29
27x30	280	5	6M-27-30
27x32	300	5	6M-27-32
30x32	300	5	6M-30-32
30x36	355	5	6M-30-36
32x36	355	5	6M-32-36
34x36	355	1	6M-34-36
36x41	385	1	6M-36-41
38x42	385	1	6M-38-42
41x46	400	1	6M-41-46
46x50	446	1	6M-46-50
4x5	105	1	SB6M-4-5
6x7	122	1	SB6M-6-7
8x9	138	1	SB6M-8-9
10x11	153	1	SB6M-10-11
12x13	168	1	SB6M-12-13
14x15	183	1	SB6M-14-15
16x17	201	1	SB6M-16-17
17x19	222	1	SB6M-17-19
18x19	222	1	SB6M-18-19
20x22	225	1	SB6M-20-22
21x23	240	1	SB6M-21-23
22x24	240	1	SB6M-22-24
24x26	260	1	SB6M-24-26
24x27	260	1	SB6M-24-27
25x28	280	1	SB6M-25-28
27x29	280	1	SB6M-27-29
30x32	300	1	SB6M-30-32

Set of double open end wrenches, metric  
Plastic holder



6M/SH8



6M/SH12

6M/SH



1 6M/SH8  
1 6M/SH12

**6M/SH8**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

**6M/SH12**

6x7 8x9 10x11 12x13 13x17 14x15 16x17 18x19 19x22 20x22 21x23 24x27 mm

Set of double open end wrenches, metric



6M/



1 6M/6C  
1 6M/8C  
1 6M/10C  
1 6M/12C

**6M/6C**

6x7 8x9 10x11 12x13 14x15 16x17

**6M/8C**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

**6M/10C**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 24x27 30x32 mm

**6M/12C**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32 mm

Set of double open end wrenches, metric  
Cardboard box



6M/S



1 6M/S8

**6M/S8**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

Double open end wrench, inch



6Z

inch



1/4x5/16	5	6Z-1/4-5/16
5/16x11/32	5	6Z-5/16-11/32
3/8x7/16	5	6Z-3/8-7/16
7/16x1/2	5	6Z-7/16-1/2
1/2x9/16	5	6Z-1/2-9/16
9/16x5/8	5	6Z-9/16-5/8
19/32x11/16	5	6Z-19/32-11/16
5/8x3/4	5	6Z-5/8-3/4
11/16x3/4	5	6Z-11/16-3/4
3/4x7/8	5	6Z-3/4-7/8
25/32x13/16	5	6Z-25/32-13/16
13/16x7/8	5	6Z-13/16-7/8
7/8x15/16	5	6Z-7/8-15/16
15/16x1	5	6Z-15/16-1
1x1.1/8	1	6Z-1-1.1/8
1.1/16x1.1/4	1	6Z-1.1/16-1.1/4
1.1/4x1.3/8	1	6Z-1.1/4-1.3/8

Double open end wrench set, inch



6Z/



1 6Z/8C

**6Z/8C**

1/4x5/16 5/16x11/32 3/8x7/16 1/2x9/16 19/32x11/16 5/8x3/4 13/16x7/8 15/16x1

Double open-end wrench, metric



S10

mm



6x7	1	SBS10-6-7
8x9	1	SBS10-8-9
10x11	1	SBS10-10-11
12x13	1	SBS10-12-13
14x15	1	SBS10-14-15
16x17	1	SBS10-16-17
17x19	1	SBS10-17-19
18x19	1	SBS10-18-19
20x22	1	SBS10-20-22
21x23	1	SBS10-21-23
24x27	1	SBS10-24-27
30x32	1	SBS10-30-32

Double open-end wrench set, metric



S10/



1 S10/SH6  
1 S10/SH11

**S10/SH6**

8x9 10x11 12x13 14x15 16x17 18x19

**S10/SH11**

6x7 8x9 10x11 12x13 14x15 16x17 17x19 18x19 20x22 21x23 24x27

Liliput double open end wrench, metric



1931M

mm	
4	5 1931M-4
4,5	5 1931M-4.5
5	5 1931M-5
5,5	5 1931M-5.5
6	5 1931M-6
7	5 1931M-7
8	5 1931M-8
9	5 1931M-9
10	5 1931M-10
11	5 1931M-11
12	5 1931M-12
13	5 1931M-13
14	5 1931M-14
17	5 1931M-17

Liliput double open end wrench set, inch



1931Z/

1	1931Z/12T

1931Z/10T

5/32 3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16 1/2 9/16 5/8

Single open end wrench, metric



Liliput double open end wrench set



1931M/

1	1931M/10T

1931M/10T

4 4.5 5 5.5 6 7 8 9 10 11 mm

Liliput double open end wrench, inch



1931Z

inch	
5/32	5 1931Z-5/32
3/16	5 1931Z-3/16
13/64	5 1931Z-13/64
7/32	5 1931Z-7/32
1/4	5 1931Z-1/4
9/32	5 1931Z-9/32
5/16	5 1931Z-5/16
11/32	5 1931Z-11/32
3/8	5 1931Z-3/8
7/16	5 1931Z-7/16
1/2	5 1931Z-1/2
9/16	5 1931Z-9/16
5/8	5 1931Z-5/8

Electronic double open end wrench set, metric



1933M/

1	1933M/6T

1933M/6T

4x4 4.5x4.5 5x5 5.5x5.5 6x6 7x7

Magnetic wrench, on ring



3280M/

1	3280M

3280M

4 4.5 5 5.5 6 6.5 7 7.5 mm 3280/1 3280/2 3280/4

894M

mm	
7	10 894M-7
8	10 894M-8
9	10 894M-9
10	10 894M-10
11	10 894M-11
12	10 894M-12
13	10 894M-13
14	10 894M-14
15	10 894M-15
16	10 894M-16
17	10 894M-17
19	10 894M-19
21	5 894M-21
22	5 894M-22
24	5 894M-24
27	5 894M-27
30	5 894M-30
32	5 894M-32
34	1 894M-34
36	5 894M-36
38	1 894M-38
41	1 894M-41
46	1 894M-46
50	1 894M-50
55	1 894M-55
60	1 894M-60
65	1 894M-65
70	1 894M-70
75	1 894M-75
80	1 894M-80
85	1 894M-85
90	1 894M-90
95	1 894M-95
100	1 894M-100
105	1 894M-105
110	1 894M-110
115	1 894M-115
120	1 894M-120
125	1 894M-125
130	1 894M-130
135	1 894M-135



Double open end wrench, metric



895M

mm		
6x7	10	895M-6-7
8x9	10	895M-8-9
8x10	10	895M-8-10
10x11	10	895M-10-11
10x13	10	895M-10-13
13x17	5	895M-13-17
17x19	5	895M-17-19
19x22	5	895M-19-22
19x24	5	895M-19-24
22x24	5	895M-22-24
24x27	5	895M-24-27
24x30	5	895M-24-30
27x32	5	895M-27-32
30x32	5	895M-30-32
30x36	1	895M-30-36
32x36	1	895M-32-36
36x41	1	895M-36-41
41x46	1	895M-41-46
46x50	1	895M-46-50
50x55	1	895M-50-55
55x60	1	895M-55-60
65x70	1	895M-65-70

mm		
27x30	5	2M-27-30
27x32	5	2M-27-32
30x32	5	2M-30-32
32x36	1	2M-32-36
36x41	1	2M-36-41
41x46	1	2M-41-46
46x50	1	2M-46-50

Double end deep offset ring wrench set, metric



2M/

pcs		
1		2M/13

2M/13

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32 36x41
---

Double end deep offset ring wrench set, metric



2M/T

1		2M/8T
1		2M/10T
1		2M/12T

2M/8T

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm
--

2M/10T

6x7 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27
---

2M/12T

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32 mm
--

Double end deep offset ring wrench set, metric



2M/S

1		2M/S8

2M/S8

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22
---

Double end deep offset ring wrench, inch



2Z

inch		
1/4x5/16	1	2Z-1/4-5/16
5/16x3/8	1	2Z-5/16-3/8
3/8x7/16	1	2Z-3/8-7/16
1/2x9/16	1	2Z-1/2-9/16
9/16x5/8	1	2Z-9/16-5/8
5/8x11/16	1	2Z-5/8-11/16
3/4x7/8	1	2Z-3/4-7/8
13/16x7/8	1	2Z-13/16-7/8
15/16x1	1	2Z-15/16-1
1x1.1/8	1	2Z-1-1.1/8
1.1/16x1.1/4	1	2Z-1.1/16-1.1/4

Double end deep offset ring wrench set, inch



2Z/T

inch		
1		2Z/TT

2Z/TT

1/4x5/16 5/16x3/8 3/8x7/16 1/2x9/16 9/16x5/8 5/8x11/16 3/4x7/8
--

RING END WRENCHES

Double end deep offset ring wrench, metric



2M

mm		
6x7	5	2M-6-7
8x9	5	2M-8-9
8x10	5	2M-8-10
10x11	5	2M-10-11
10x13	5	2M-10-13
12x13	5	2M-12-13
13x17	5	2M-13-17
14x15	5	2M-14-15
16x17	5	2M-16-17
16x18	5	2M-16-18
17x19	5	2M-17-19
18x19	5	2M-18-19
19x22	5	2M-19-22
20x22	5	2M-20-22
21x23	5	2M-21-23
22x24	5	2M-22-24
24x26	5	2M-24-26
24x27	5	2M-24-27
25x28	5	2M-25-28
27x29	5	2M-27-29



Double ended box wrench, deep offset metric



S30

inch	
6x7	1 SBS30-6-7
8x9	1 SBS30-8-9
10x11	1 SBS30-10-11
12x13	1 SBS30-12-13
14x15	1 SBS30-14-15
16x17	1 SBS30-16-17
17x19	1 SBS30-17-19
18x19	1 SBS30-18-19
20x22	1 SBS30-20-22
21x23	1 SBS30-21-23
24x27	1 SBS30-24-27
30x32	1 SBS30-30-32

Double ring end wrench, offset, inch



1300Z

inch	
1/4x5/16	1 1300Z-1/4-5/16
3/8x7/16	1 1300Z-3/8-7/16
1/2x9/16	1 1300Z-1/2-9/16
19/32x11/16	1 1300Z-19/32-11/16
5/8x3/4	1 1300Z-5/8-3/4
25/32x13/16	1 1300Z-25/32-13/16
7/8x15/16	1 1300Z-7/8-15/16
15/16x1	1 1300Z-15/16-1
1x1.1/8	1 1300Z-1-1.1/8

Double flat ring wrench, metric



4M

mm	
6x7	10 4M-6-7
8x9	10 4M-8-9
10x11	10 4M-10-11
12x13	10 4M-12-13
14x15	10 4M-14-15
16x17	10 4M-16-17
17x19	10 4M-17-19
18x19	10 4M-18-19
20x22	10 4M-20-22
21x23	5 4M-21-23
24x26	1 4M-24-26
24x27	1 4M-24-27
25x28	1 4M-25-28
27x29	1 4M-27-29
30x32	1 4M-30-32

Double flat ring wrench set, metric



4M/T

1	4M/10T

4M/10T

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 24x27 30x32 mm

Double flat ring wrench set, metric



4M/

1	4M/8

4M/8

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

Double flat ring wrench sets, metric



4M/C

pcs	
1	4M/10C
1	4M/12C

4M/10C

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27

4M/12C

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32

Half moon box wrench, metric



1943M

mm	
11x13	1 1943M-11-13
13x15	1 1943M-13-15
13x17	1 1943M-13-17
14x16	1 1943M-14-16
14x17	1 1943M-14-17
15x17	1 1943M-15-17
19x22	1 1943M-19-22

FLARE NUT WRENCHES

Flare-nut wrench, double end, offset, metric



1949M

mm	point	
8x9	6	1 1949M-8-9
10x11	6	1 1949M-10-11
10x12	6	1 1949M-10-12
12x13	6	1 1949M-12-13
12x14	6	1 1949M-12-14
14x15	12	1 1949M-14-15
14x17	12	1 1949M-14-17
17x19	12	1 1949M-17-19
19x22	12	1 1949M-19-22
22x24	12	1 1949M-22-24
24x27	12	1 1949M-24-27
30x32	12	1 1949M-30-32

Flare-nut wrench, double end, offset, inch



1949Z

inch	point		
3/8x7/16	6	1	1949Z-3/8-7/16
1/2x9/16	6	1	1949Z-1/2-9/16
5/8x3/4	12	1	1949Z-5/8-3/4
3/4x7/8	12	1	1949Z-3/4-7/8
1x1.1/8	12	1	1949Z-1-1.1/8

Crowfoot wrench, flare nut, metric



1950M

mm			
10 (1/4)	1	1950M-10	
12 (1/4)	1	1950M-12	
13 (1/4)	1	1950M-13	
14 (1/4)	1	1950M-14	
17 (3/8)	1	1950M-17	
19 (3/8)	1	1950M-19	
21 (3/8)	1	1950M-21	
22 (3/8)	1	1950M-22	
24 (3/8)	1	1950M-24	
26 (3/8)	1	1950M-26	
27 (3/8)	1	1950M-27	
30 (1/2)	1	1950M-30	
32 (1/2)	1	1950M-32	
36 (1/2)	1	1950M-36	
41 (1/2)	1	1950M-41	
46 (1/2)	1	1950M-46	

Crowfoot adjustable wrench 3/8"



1950MZ

size			
3/8	1	1950MZ-3/8	

HEAVY DUTY WRENCHES

Ring-end slogging wrench, metric



7444SG-M

mm			
24	1	7444SG-M-24	
27	1	7444SG-M-27	
30	1	7444SG-M-30	
32	1	7444SG-M-32	
34	1	7444SG-M-34	
36	1	7444SG-M-36	
38	1	7444SG-M-38	
41	1	7444SG-M-41	
42	1	7444SG-M-42	
46	1	7444SG-M-46	
50	1	7444SG-M-50	
55	1	7444SG-M-55	
60	1	7444SG-M-60	
65	1	7444SG-M-65	
70	1	7444SG-M-70	
75	1	7444SG-M-75	
80	1	7444SG-M-80	
85	1	7444SG-M-85	
90	1	7444SG-M-90	
95	1	7444SG-M-95	
100	1	7444SG-M-100	
105	1	7444SG-M-105	
110	1	7444SG-M-110	
115	1	7444SG-M-115	
120	1	7444SG-M-120	
125	1	7444SG-M-125	
130	1	7444SG-M-130	
135	1	7444SG-M-135	
140	1	7444SG-M-140	
145	1	7444SG-M-145	
150	1	7444SG-M-150	
155	1	7444SG-M-155	
160	1	7444SG-M-160	
165	1	7444SG-M-165	
170	1	7444SG-M-170	
175	1	7444SG-M-175	

Ring-end slogging wrench, inches



7444SG-Z

inches			
1.1/16	1	7444SG-Z-1.1/16	
1.1/8	1	7444SG-Z-1.1/8	
1.3/16	1	7444SG-Z-1.3/16	
1.1/4	1	7444SG-Z-1.1/4	
1.5/16	1	7444SG-Z-1.5/16	
1.3/8	1	7444SG-Z-1.3/8	
1.7/16	1	7444SG-Z-1.7/16	
1.1/2	1	7444SG-Z-1.1/2	
1.5/8	1	7444SG-Z-1.5/8	
1.11/16	1	7444SG-Z-1.11/16	
1.3/4	1	7444SG-Z-1.3/4	
1.13/16	1	7444SG-Z-1.13/16	
1.7/8	1	7444SG-Z-1.7/8	
2	1	7444SG-Z-2	
2.1/16	1	7444SG-Z-2.1/16	
2.1/8	1	7444SG-Z-2.1/8	
2.3/16	1	7444SG-Z-2.3/16	
2.1/4	1	7444SG-Z-2.1/4	
2.3/8	1	7444SG-Z-2.3/8	
2.9/16	1	7444SG-Z-2.9/16	
2.5/8	1	7444SG-Z-2.5/8	
2.3/4	1	7444SG-Z-2.3/4	
3	1	7444SG-Z-3	
3.1/8	1	7444SG-Z-3.1/8	
3.3/8	1	7444SG-Z-3.3/8	
3.1/2	1	7444SG-Z-3.1/2	
3.3/4	1	7444SG-Z-3.3/4	
3.7/8	1	7444SG-Z-3.7/8	
4	1	7444SG-Z-4	
4.1/8	1	7444SG-Z-4.1/8	
4.1/2	1	7444SG-Z-4.1/2	

Open end slogging wrench, metric



133SGM

mm		
27	1	133SGM-27
30	1	133SGM-30
32	1	133SGM-32
36	1	133SGM-36
41	1	133SGM-41
46	1	133SGM-46
50	1	133SGM-50
55	1	133SGM-55
60	1	133SGM-60
65	1	133SGM-65
70	1	133SGM-70
75	1	133SGM-75
80	1	133SGM-80
85	1	133SGM-85
90	1	133SGM-90
95	1	133SGM-95
100	1	133SGM-100
105	1	133SGM-105
110	1	133SGM-110
115	1	133SGM-115
120	1	133SGM-120

Ring end slogging wrench, deep offset, metric



315M

mm		
27	1	315M-27
30	1	315M-30
32	1	315M-32
36	1	315M-36
41	1	315M-41
46	1	315M-46
50	1	315M-50
55	1	315M-55
60	1	315M-60
65	1	315M-65
70	1	315M-70
75	1	315M-75
80	1	315M-80

Ring end slogging wrench, deep offset, inches



315Z

Inch		
1.1/16	1	315Z-1.1/16
1.1/8	1	315Z-1.1/8
1.3/16	1	315Z-1.3/16
1.1/4	1	315Z-1.1/4
1.5/16	1	315Z-1.5/16
1.3/8	1	315Z-1.3/8
1.7/16	1	315Z-1.7/16
1.1/2	1	315Z-1.1/2
1.5/8	1	315Z-1.5/8
1.11/16	1	315Z-1.11/16
1.3/4	1	315Z-1.3/4
1.13/16	1	315Z-1.13/16
1.7/8	1	315Z-1.7/8
1.15/16	1	315Z-1.15/16
2	1	315Z-2
2.1/16	1	315Z-2.1/16
2.1/8	1	315Z-2.1/8
2.3/16	1	315Z-2.3/16
2.1/4	1	315Z-2.1/4
2.5/16	1	315Z-2.5/16
2.3/8	1	315Z-2.3/8
2.1/2	1	315Z-2.1/2
2.9/16	1	315Z-2.9/16
2.5/8	1	315Z-2.5/8
2.3/4	1	315Z-2.3/4
2.7/8	1	315Z-2.7/8
2.15/16	1	315Z-2.15/16
3	1	315Z-3
3.1/8	1	315Z-3.1/8

Ring end heavy duty wrench, deep offset, metric



310M

mm		
24	1	310M-24
27	1	310M-27
30	1	310M-30
32	1	310M-32
36	1	310M-36
38	1	310M-38
41	1	310M-41
46	1	310M-46
50	1	310M-50
55	1	310M-55
60	1	310M-60
65	1	310M-65
70	1	310M-70

mm		
75	1	310M-75
80	1	310M-80
85	1	310M-85
90	1	310M-90
95	1	310M-95

Tubular handle



R310

Ø mm		
19	1	R310-0
22	1	R310-1
25	1	R310-2
30	1	R310-3

TUBULAR WRENCHES

Double head socket wrench, offset, metric



28M

mm		
6	5	28M-6
7	5	28M-7
8	5	28M-8
9	5	28M-9
10	5	28M-10
11	5	28M-11
12	5	28M-12
13	5	28M-13
14	5	28M-14
15	5	28M-15
16	5	28M-16
17	5	28M-17
18	3	28M-18
19	3	28M-19
20	3	28M-20
21	3	28M-21
22	3	28M-22
23	3	28M-23
24	3	28M-24
25	3	28M-25
26	3	28M-26
27	3	28M-27
28	1	28M-28
29	1	28M-29
30	1	28M-30
32	1	28M-32

### Double head socket wrench set



28M/



1	28M/8
1	28M/11
1	28M/12
1	28M/15

#### 28M/8

8 10 11 13 16 17 18 19 mm

#### 28M/11

8 9 10 11 12 13 14 15 17 19 22 mm

#### 28M/12

8 9 10 11 12 13 14 15 16 17 18 19 mm

#### 28M/15

8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 mm

### Double head socket wrench, offset, metric hexagon x hexagon



29M

mm



6	5	29M-6
7	5	29M-7
8	5	29M-8
9	5	29M-9
10	5	29M-10
11	5	29M-11
12	5	29M-12
13	5	29M-13
14	5	29M-14
15	5	29M-15
16	5	29M-16
17	5	29M-17
18	3	29M-18
19	3	29M-19
20	3	29M-20
21	3	29M-21
22	3	29M-22
23	3	29M-23
24	3	29M-24
25	3	29M-25
26	3	29M-26
27	3	29M-27
28	1	29M-28
29	1	29M-29
30	1	29M-30
32	1	29M-32

### Double head socket spanner set, metric



29M/

Pieces



1	29M/8
1	29M/10
1	29M/14

#### 29M/8

8 10 12 13 14 17 19 22 mm

#### 29M/10

8 10 11 12 13 14 16 17 18 19 mm

#### 29M/14

8 9 10 11 12 13 14 16 17 19 21 22 23 24 mm

### Double head box wrench, metric



1936M

mm



6x7	5	1936M-6-7
8x9	5	1936M-8-9
8x10	5	1936M-8-10
10x11	5	1936M-10-11
10x13	5	1936M-10-13
12x13	5	1936M-12-13
13x17	5	1936M-13-17
14x15	5	1936M-14-15
14x17	5	1936M-14-17
16x17	5	1936M-16-17
17x19	5	1936M-17-19
18x19	5	1936M-18-19
19x22	5	1936M-19-22
20x22	5	1936M-20-22
21x23	5	1936M-21-23
22x24	5	1936M-22-24
24x26	5	1936M-24-26
24x27	5	1936M-24-27
25x28	1	1936M-25-28
30x32	1	1936M-30-32
30x34	1	1936M-30-34
36x41	1	1936M-36-41
46x50	1	1936M-46-50

### Double head box wrench set, metric



1936M/

1936M/12



1	1936M/7
1	1936M/12

#### 1936M/7

26S-610 26S-1216 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

#### 1936M/12

26S-610 26S-1216 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32 mm

### Double head socket wrench, metric



27M

mm



6x7	10	27M-6-7
8x9	10	27M-8-9
10x11	10	27M-10-11
12x13	10	27M-12-13
13x17*	10	27M-13-17
14x15	10	27M-14-15
16x17*	10	27M-16-17
16x18*	10	27M-16-18
18x19*	10	27M-18-19
20x22*	10	27M-20-22
21x23*	5	27M-21-23
21x24*	5	27M-21-24
24x26*	5	27M-24-26
24x27*	5	27M-24-27
25x28*	5	27M-25-28
27x29*	5	27M-27-29
30x32*	5	27M-30-32
6x7	10	SB27M-6-7
8x9	10	SB27M-8-9
10x11	10	SB27M-10-11
12x13	10	SB27M-12-13
14x15	10	SB27M-14-15
16x17*	10	SB27M-16-17
18x19*	10	SB27M-18-19
20x22*	10	SB27M-20-22
21x23*	5	SB27M-21-23
24x26*	5	SB27M-24-26

### Double head socket wrench set, metric



27M/

From	To		
6x7	16x17	1	27M/6
6x7	20x22	1	27M/8
6x7	24x26	1	27M/10
6x7	30x32	1	27M/12

**27M/6**

6x7 8x9 10x11 12x13 14x15 16x17 mm

**27M/8**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

**27M/10**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 mm

**27M/12**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 30x32 mm

### Double head socket wrench set, metric



27M/T

From	
	1 27M/8T
	1 27M/12T

**27M/8T**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

**27M/12T**

6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 30x32 mm

### Stepped tommy bar



26S

Ø mm	
6, 8, 10	1 26S-610
12, 14, 16	1 26S-1216

### Flex-head wrench, metric



4040M

mm	
6x7	1 4040M-6-7
8x9	1 4040M-8-9
10x11	1 4040M-10-11
10x13	1 4040M-10-13
12x13	1 4040M-12-13
13x17	1 4040M-13-17
14x15	1 4040M-14-15
16x17	1 4040M-16-17
16x18	1 4040M-16-18
17x19	1 4040M-17-19
18x19	1 4040M-18-19
20x22	1 4040M-20-22
21x23	1 4040M-21-23
24x27	1 4040M-24-27

### Flex-head wrench set, metric



4040M/6T

	1 4040M/6T

**4040M/6T**

8x9 10x11 12x13 14x15 16x17 18x19 mm

### Flex-head wrench set, metric



4040M/S6

	1 4040M/S6

**4040M/S6**

8x9 10x11 12x13 14x15 16x17 18x19 mm

### Flex-head wrench, inch



4040Z

inch	
3/8x7/16	1 4040Z-3/8-7/16
1/2x9/16	1 4040Z-1/2-9/16
5/8x11/16	1 4040Z-5/8-11/16
5/8x3/4	1 4040Z-5/8-3/4

### Flex-head wrench, metric



S50

mm	
8x9	1 SBS50-8-9
10x11	1 SBS50-10-11
12x13	1 SBS50-12-13
14x15	1 SBS50-14-15
16x17	1 SBS50-16-17
18x19	1 SBS50-18-19
20x22	1 SBS50-20-22
21x23	1 SBS50-21-23

## SPECIAL WRENCHES

### 5 in 1 switch cabinet wrench



MK5

mm	g	
97x25	70	1 MK5



PROFILES: Square: 5,6,7-8 mm Triangular: 9 mm

Two-way-key: 3-5 mm

9 in 1 switch cabinet wrench



MK9



mm	g			
95x95	210,7	1	1	MK9

Square: 5,6,7-8,9-10 mm Triangular:7,8-9,10-11 mm  
 Two-way-key: 3-5 mm Half-moon: 6 mm

Hook wrench, adjustable





4106

mm			
20-35	1	1	4106-20-35
35-60	1	1	4106-35-60
60-90	1	1	4106-60-90
90-155	1	1	4106-90-155
155-230	1	1	4106-155-230

Pin wrench, adjustable



40B

mm			
22-35	1	1	40B-22-35
35-60	1	1	40B-35-60
60-90	1	1	40B-60-90
95-155	1	1	40B-95-155
165-230	1	1	40B-165-230

Pin wrench, adjustable



4307/4310

∅ mm			
50	1	1	4307
100	1	1	4310







## Sockets & accessories

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## SOCKETS 1/4"

Standard length sockets, 1/4" square drive  
Hexagon profile, metric sizes



### 6700SM

mm	
4	5 6700SM-4
4,5	5 6700SM-4.5
5	5 6700SM-5
5,5	5 6700SM-5.5
6	5 6700SM-6
7	5 6700SM-7
8	5 6700SM-8
9	5 6700SM-9
10	5 6700SM-10
11	5 6700SM-11
12	5 6700SM-12
13	5 6700SM-13
14	5 6700SM-14
4	1 SB6700SM-4
4,5	1 SB6700SM-4.5
5	1 SB6700SM-5
5,5	1 SB6700SM-5.5
6	1 SB6700SM-6
7	1 SB6700SM-7
8	1 SB6700SM-8
9	1 SB6700SM-9
10	1 SB6700SM-10
11	1 SB6700SM-11
12	1 SB6700SM-12
13	1 SB6700SM-13
14	1 SB6700SM-14

Socket set on rail, 1/4"



### 6713MH

mm	
4-14	1 6713MH

### 6700SM

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm

Deep length sockets, 1/4" square drive  
Bi-hex profile, metric sizes, thin-walled



### A6800DM

mm	
4	1 A6800DM-4
5	1 A6800DM-5
5,5	1 A6800DM-5.5
6	1 A6800DM-6
7	1 A6800DM-7
8	1 A6800DM-8
9	1 A6800DM-9
10	1 A6800DM-10
11	1 A6800DM-11
12	1 A6800DM-12
13	1 A6800DM-13
14	1 A6800DM-14
4	10 SBA6800DM-4
5	10 SBA6800DM-5
5.5	10 SBA6800DM-5.5
6	10 SBA6800DM-6
7	10 SBA6800DM-7
8	10 SBA6800DM-8
9	10 SBA6800DM-9
10	10 SBA6800DM-10
11	10 SBA6800DM-11
12	10 SBA6800DM-12
13	10 SBA6800DM-13
14	10 SBA6800DM-14

Socket set on rail, 1/4"



### 6708DMB

mm	
6-13	1 6708DMB

### A6800DM

6, 7, 8, 9, 10, 11, 12, 13 mm

Standard length sockets, 1/4" square drive  
Hexagon profile, inch sizes



### 6700SZ

inch	
5/32	5 6700SZ-5/32
3/16	5 6700SZ-3/16
7/32	5 6700SZ-7/32
1/4	5 6700SZ-1/4
9/32	5 6700SZ-9/32
5/16	5 6700SZ-5/16
11/32	5 6700SZ-11/32
3/8	5 6700SZ-3/8
7/16	5 6700SZ-7/16
1/2	5 6700SZ-1/2
9/16	5 6700SZ-9/16
5/32	1 SB6700SZ-5/32
3/16	1 SB6700SZ-3/16
7/32	1 SB6700SZ-7/32
1/4	1 SB6700SZ-1/4
9/32	1 SB6700SZ-9/32
5/16	1 SB6700SZ-5/16
11/32	1 SB6700SZ-11/32
3/8	1 SB6700SZ-3/8
7/16	1 SB6700SZ-7/16
1/2	1 SB6700SZ-1/2
9/16	1 SB6700SZ-9/16

Standard length sockets, 1/4" square drive  
Bi-hex profile, metric sizes, thin-walled



### A6700DM

mm	
5	5 A6700DM-5
5,5	5 A6700DM-5.5
6	5 A6700DM-6
7	5 A6700DM-7
8	5 A6700DM-8
9	5 A6700DM-9
10	5 A6700DM-10
11	5 A6700DM-11
12	5 A6700DM-12
13	5 A6700DM-13
14	5 A6700DM-14
5,5	1 SBA6700DM-5.5
6	1 SBA6700DM-6
7	1 SBA6700DM-7
8	1 SBA6700DM-8
9	1 SBA6700DM-9
10	1 SBA6700DM-10
11	1 SBA6700DM-11

mm		
12	1	SBA6700DM-12
13	1	SBA6700DM-13
14	1	SBA6700DM-14

Socket set on rail, 1/4"



6711MB

mm		
5-14	1	6711MB

A6700DM

5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm

Standard length sockets, 1/4" square drive  
Bi-hex profile, inch sizes. Thin-walled



A6700DZ

inch		
3/16	5	A6700DZ-3/16
7/32	5	A6700DZ-7/32
1/4	5	A6700DZ-1/4
9/32	5	A6700DZ-9/32
5/16	5	A6700DZ-5/16
11/32	5	A6700DZ-11/32
3/8	5	A6700DZ-3/8
7/16	5	A6700DZ-7/16
1/2	5	A6700DZ-1/2
9/16	5	A6700DZ-9/16
3/16	1	SBA6700DZ-3/16
7/32	1	SBA6700DZ-7/32
1/4	1	SBA6700DZ-1/4
9/32	1	SBA6700DZ-9/32
5/16	1	SBA6700DZ-5/16
11/32	1	SBA6700DZ-11/32
3/8	1	SBA6700DZ-3/8
7/16	1	SBA6700DZ-7/16
1/2	1	SBA6700DZ-1/2
9/16	1	SBA6700DZ-9/16

Swivel sockets, 1/4" square drive  
Bi-hex profile, metric sizes, thin-walled



A6710DM

mm		
5.5	1	A6710DM-5.5
6	1	A6710DM-6
7	1	A6710DM-7
8	1	A6710DM-8
9	1	A6710DM-9
10	1	A6710DM-10
11	1	A6710DM-11
12	1	A6710DM-12
13	1	A6710DM-13
14	1	A6710DM-14

Swivel sockets, 1/4" square drive  
Bi-hex profile, inch sizes, thin-walled



A6710DZ

inch		
3/16	1	A6710DZ-3/16
7/32	1	A6710DZ-7/32
1/4	1	A6710DZ-1/4
9/32	1	A6710DZ-9/32
5/16	1	A6710DZ-5/16
11/32	1	A6710DZ-11/32
3/8	1	A6710DZ-3/8
7/16	1	A6710DZ-7/16
1/2	1	A6710DZ-1/2
9/16	1	A6710DZ-9/16

Deep length sockets, 1/4" square drive  
Bi-hex profile, inch sizes, thin-walled



A6800DZ

inch		
3/16	1	A6800DZ-3/16
7/32	1	A6800DZ-7/32
1/4	1	A6800DZ-1/4
9/32	1	A6800DZ-9/32
5/16	1	A6800DZ-5/16
11/32	1	A6800DZ-11/32
3/8	1	A6800DZ-3/8
7/16	1	A6800DZ-7/16
1/2	1	A6800DZ-1/2
9/16	1	A6800DZ-9/16
3/16	10	SBA6800DZ-3/16
7/32	10	SBA6800DZ-7/32
1/4	10	SBA6800DZ-1/4
9/32	10	SBA6800DZ-9/32
5/16	10	SBA6800DZ-5/16
11/32	10	SBA6800DZ-11/32
3/8	10	SBA6800DZ-3/8
7/16	10	SBA6800DZ-7/16
1/2	10	SBA6800DZ-1/2
9/16	10	SBA6800DZ-9/16

Standard length sockets, 1/4" square drive



S60

mm		
4	1	SBS60-4
4,5	1	SBS60-4.5
5	1	SBS60-5
5,5	1	SBS60-5.5
6	1	SBS60-6
7	1	SBS60-7
8	1	SBS60-8
9	1	SBS60-9
10	1	SBS60-10
11	1	SBS60-11
12	1	SBS60-12
13	1	SBS60-13
14	1	SBS60-14

TORX® sockets, 1/4" square drive  
For TORX® head screws



### 6700TORX-E

T		
E4	5	6700TORX-E4
E5	5	6700TORX-E5
E6	5	6700TORX-E6
E7	5	6700TORX-E7
E8	5	6700TORX-E8
E10	5	6700TORX-E10
E4	1	SB6700TORX-E4
E5	1	SB6700TORX-E5
E6	1	SB6700TORX-E6
E7	1	SB6700TORX-E7
E8	1	SB6700TORX-E8
E10	1	SB6700TORX-E10

Socket set on rail, 1/4"



### 6706TE

Torx		
	1	6706TE

### 6700TORX-E

E4, E5, E6, E7, E8, E10

## SOCKET DRIVERS 1/4"

1/4" square drive socket drivers, for slotted head screws



### 6709F

mm		
4,5	5	6709F-4.5
5,5	5	6709F-5.5
6,5	5	6709F-6.5
8	5	6709F-8
4,5	1	SB6709F-4.5
5,5	1	SB6709F-5.5
6,5	1	SB6709F-6.5
8	1	SB6709F-8

1/4" square drive socket drivers, for Phillips head screws



### 6709PH

PH		
1	5	6709PH-1
2	5	6709PH-2
3	5	6709PH-3
1	1	SB6709PH-1
2	1	SB6709PH-2
3	1	SB6709PH-3

1/4" square drive socket drivers, for pozidriv head



### 6709PZ

PZ		
1	5	6709PZ-1
2	5	6709PZ-2
3	5	6709PZ-3
1	1	SB6709PZ-1
2	1	SB6709PZ-2
3	1	SB6709PZ-3

1/4" square drive socket drivers, for TORX® head screws



### 6709TORX

T		
T8	5	6709TORX-T8
T9	5	6709TORX-T9
T10	5	6709TORX-T10
T15	5	6709TORX-T15
T20	5	6709TORX-T20
T25	5	6709TORX-T25
T27	5	6709TORX-T27
T30	5	6709TORX-T30

T		
T40	5	6709TORX-T40
T8	1	SB6709TORX-T8
T9	1	SB6709TORX-T9
T10	1	SB6709TORX-T10
T15	1	SB6709TORX-T15
T20	1	SB6709TORX-T20
T25	1	SB6709TORX-T25
T27	1	SB6709TORX-T27
T30	1	SB6709TORX-T30
T40	1	SB6709TORX-T40

1/4" square drive socket drivers, for TORX® head screws, tamper resistant



### 6709TORX-R

T		
TR 8	1	6709TORX-R-T8
TR 10	1	6709TORX-R-T10
TR 15	1	6709TORX-R-T15
TR 20	1	6709TORX-R-T20
TR 25	1	6709TORX-R-T25
TR 8	1	SB6709TORX-R-T8
TR 10	1	SB6709TORX-R-T10
TR 15	1	SB6709TORX-R-T15
TR 20	1	SB6709TORX-R-T20
TR 25	1	SB6709TORX-R-T25

1/4" square drive socket drivers, for hex head screws



### 6709M

mm		
3	5	6709M-3
4	5	6709M-4
5	5	6709M-5
6	5	6709M-6
8	5	6709M-8
3	1	SB6709M-3
4	1	SB6709M-4
5	1	SB6709M-5
6	1	SB6709M-6
8	1	SB6709M-8

1/4" square drive socket drivers, long  
For hex head screws, metric sizes



A6709M

mm		
2,5	1	A6709M-2.5
3	1	A6709M-3
4	1	A6709M-4
5	1	A6709M-5
6	1	A6709M-6
2.5	1	SBA6709M-2.5
3	1	SBA6709M-3
4	1	SBA6709M-4
5	1	SBA6709M-5
6	1	SBA6709M-6

1/4" square drive socket drivers, long, for hex head screws  
Inch sizes



A6709Z

inch		
1/8	1	A6709Z-1/8
9/64	1	A6709Z-9/64
5/32	1	A6709Z-5/32
3/16	1	A6709Z-3/16
1/8	1	SBA6709Z-1/8
9/64	1	SBA6709Z-9/64
5/32	1	SBA6709Z-5/32
3/16	1	SBA6709Z-3/16

Adaptor, bit holder with hexagon drive, 1/4"



6972H

inches		
1/4 - 1/4	5	6972H

## ACCESSORIES 1/4"

Reversible ratchet, 72 teeth/5°, 1/4"  
Action angle, sealed SB = retail pack



6950

mm		
120	1	6950
120	1	SB6950

Reversible ratchet, 72 teeth/5° action angle, 1/4"  
Indicating arrow SB = retail packaging



6950RN

mm		
120	1	6950RN
120	1	SB6950RN

Reversible ratchet, 1/4"  
Retail pack



SBS61

mm		
145	1	SBS61

Refrigeration ratchet, reversible



R6950

mm		
160	1	R6950

Reversible ratchet, 1/4", 72 teeth/5° action angle  
Slim head for narrow places



6950SL

mm		
90	1	6950SL

Ratchet adaptor, 1/4"  
60 teeth/6° action angle



6951

mm		
35	1	6951

Speeder, with rotary steel handle



6952

mm		
410	1	6952



1/4" Breaker bar



6958

mm		
135,5	1	6958
135,5	1	SB6958

Sliding T-handle, 1/4"



S64

mm		
125	1	SBS64

1/4" Wobbler extension bars



6960-W - 6962-W

mm		
50	1	6960-W
150	1	6962-W

1/4" Breaker bar



S67

mm		
153	1	SBS67

1/4" Spinner handle  
With 1/4" female square drive in the handle



6956

mm		
150	1	6956
150	1	SB6956

1/4" Flexible extension bar



6963

mm		
155	1	6963
155	1	SB6963

1/4" Sliding T-handle



6954

mm		
115	1	6954
115	10	SB6954

1/4" Extension bars  
SB = retail packaging



6960 - 6962L

mm		
50	1	6960
100	1	6961
150	1	6962
355	1	6962L
50	1	SB6960
100	1	SB6961
150	1	SB6962
355	1	SB6962L

1/4" Extension bars



S63

mm		
50	1	SBS63-2
100	1	SBS63-4
150	1	SBS63-6



1/4" Universal joint



6966

mm	
32,5	1 6966
32,5	1 SB6966

1/4" Universal joint  
Retail pack



S65

mm	
32,5	1 SBS65

1/4" Universal joint , smooth operation



6968

mm	
34	1 6968

Increasing adaptor for 1/4" square drive and 3/8" socket



7765

inch	
1/4 - 3/8	1 7765
1/4 - 3/8	1 SB7765

Increasing adaptor for 1/4" square drive and 3/8" socket



S69

inch	
1/4 - 3/8	1 SBS69

Increasing flat adaptor for 1/4" square drive and 3/8" socket  
With magnet in the drive disc



7767

inch	
1/4 - 3/8	1 7767
1/4 - 3/8	1 SB7767

Adaptor set with 7767, 8167, 8967 socket



8967/S3

1 8967/S3

8967/S3  
7767-8167-8967

Spare parts for 1/4" ratchet 6950



6950-SPARE

1 6950-SPARE

Spare parts for 1/4" ratchet 6950RN



6950RN-SPARE

1 6950RN-SPARE

Spare parts kit for 1/4" ratchet 6950SL



6950SL-SPARE



1 6950SL-SPARE

Socket rails



RAIL-187/264/340

length mm



187	3	RAIL-187
264	3	RAIL-264
340	3	RAIL-340

Clips 1/4"



C1/4

length mm



19 25 CLIPS-1/4

## SOCKET SETS 1/4"

Socket sets, 1/4", 12 pieces  
Metal case



6712R

mm



4-13 1 6712R

6700SM

4 5 5.5 6 7 8 10 11 13 mm



6950

6960

50 mm

6962

150 mm

Socket sets 1/4", 12 pieces  
Metal case



6712RN



1 6712RN

6700SM

4 5 5.5 6 7 8 10 11 13 mm



6950RN

6960

50 mm

6962

150 mm

Socket sets, 15 pieces, 1/4"  
Metal case



A6716DM



1 A6716DM

A6700DM

5.5 6 7 8 9 10 11 12 13 14 mm

6950

6956

6954

6962

150 mm

6966

Socket sets 1/4", 16 piece  
Metal case



6715MGS



1 6715MGS

6700SM

4 4.5 5 5.5 6 7 8 9 10 11 13 mm



6950RN

6956

6954

6962

150 mm

6966

1/4" socket set



6719MHR



1 6719MHR

<b>6700SM</b> 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm		
<b>6950RN</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6954</b>		
<b>6966</b>		
<b>6956</b>		

Socket Set 1/4"



6729MHR



1 6729MHR

<b>6700SM</b> 4, 5, 6, 7, 8, 9, 10, 11, 13, 14 mm		
<b>6950RN</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6966</b>		
<b>6956</b>		
<b>6973</b>		
<b>59S/PH</b> PH1, PH2, PH3		
<b>59S/PZ</b> PZ1, PZ2, PZ3		
<b>59S/I</b> 0.6x4.5, 1.0x5.5, 1.2x6.5		
<b>59S/H</b> H3, H4, H5, H6		

1/4" socket set



6729MHP



1 6729MHP

<b>6700SM</b> 4, 5, 6, 7, 8, 9, 10, 11, 13, 14 mm		
<b>6950</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6966</b>		
<b>6956</b>		
<b>6973</b>		
<b>59S/PH</b> PH1, PH2, PH3		
<b>59S/I</b> 0.6x4.5, 1.0x5.5, 1.2x6.5		
<b>59S/PZ</b> PZ1, PZ2, PZ3		
<b>59S/H</b> H3, H4, H5, H6		

1/4" socket set



6717MBP



1 6717MBP

<b>A6700DM</b> 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm		
<b>6950</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6954</b>		
<b>6966</b>		
<b>6956</b>		
<b>6973</b>		

1/4" socket set



6730MBP



1 6730MBP

<b>A6700DM</b> 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm		
<b>6950</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6966</b>		
<b>6956</b>		
<b>59S/I</b> 0.6x4.5, 1.0x5.5, 1.2x6.5		
<b>59S/H</b> H3, H4, H5, H6		
<b>59S/PH</b> PH1, PH2, PH3		
<b>59S/PZ</b> PZ1, PZ2, PZ3		

Socket sets 1/4", 17 pieces  
Metal case



6719SM



1 6719SM

<b>6700SM</b> 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm		
<b>6950</b>		
<b>6966</b>		
<b>6954</b>		
<b>6962</b> 150 mm		
<b>6966</b>		

1/4" socket set



6719MHP



1 6719MHP

<b>6700SM</b> 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm		
<b>6950RN</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6966</b>		
<b>6956</b>		
<b>6973</b>		
<b>6954</b>		

Socket sets, 20 pieces, 1/4"  
Metal case



6715MG



1 6715MG

<b>6700SM</b> 4 4.5 5 5.5 6 7 8 9 10 11 12 13 14 mm		
<b>6950RN</b>		
<b>6958</b>		
<b>6956</b>		
<b>6954</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6966</b>		

Socket sets, 1/4", 21 pieces  
Metal case



6721NM



1 6721NM

<b>6700SM</b> 4 4.5 5 5.5 6 7 8 9 10 11 12 13 14 mm		
<b>6950</b>		
<b>6958</b>		
<b>6956</b>		
<b>6954</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6951</b>		
<b>6966</b>		

Socket sets, 1/4", 27 pieces  
Metal case



6722M



1 6722M

<b>6700SM</b> 4 5 6 7 8 9 10 11 13 14 mm		
<b>6950</b>		
<b>6956</b>		
<b>6954</b>		
<b>50MH</b> 0.6x4 1x6, 1x7		
<b>52H</b> PH No. 1 2 3		
<b>55M</b> 3 4 5 6 mm		
<b>6972H</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6966</b>		

Socket sets 1/4", 27 pieces  
Metal case



6715GE



1 6715GE

<b>6700SM</b> 4 5 6 7 8 9 10 11 13 14 mm		
<b>6950RN</b>		
<b>6956</b>		
<b>6954</b>		
<b>50MH</b> 0.6x4 1x6 1x7		
<b>52H</b> PH 1 2 3		
<b>55M</b> 3 4 5 6 mm		
<b>6972H</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6966</b>		

Socket sets 1/4", 29 pieces  
Metal case



6715PZ



1 6715PZ

<b>6700SM</b> 4 4.5 5 5.5 6 7 8 9 10 11 12 13 mm		
<b>6950</b>		
<b>6956</b>		
<b>6954</b>		
<b>6709F</b> 0.6x4.5 1.0x5.5 1.2x8.0 mm		
<b>6709PZ</b> No. 1 2 3		
<b>6709M</b> 3 4 5 6 8 mm		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6966</b>		

Socket sets, 29 pieces  
Metal case



6715GJ



1 6715GJ

<b>6700SM</b> 4 4.5 5 5.5 6 7 8 9 10 11 12 13 mm		
<b>6950</b>		
<b>6956</b>		
<b>6954</b>		
<b>6709F</b> 0.6x4.5 1.0x5.5 1.2x8 mm		
<b>6709PH</b> PH 1 2 3		
<b>6709M</b> 3 4 5 6 8 mm		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6966</b>		

Socket sets, 1/4" 33 piece  
Metal case



6720NM



1 6720NM

<b>6700SM</b> 4 4.5 5 5.5 6 7 8 9 10 11 12 13 14 mm		
<b>6950</b>		
<b>1931M</b> 4 4.5 5 5.5 6 7 8 9 10 11 12 13 14 mm		
<b>6956</b>		
<b>6954</b>		
<b>6962</b> 150 mm		
<b>221 MP</b>		
<b>7372</b> 0.5x3x80 mm		
<b>6966</b>		

Socket sets, 1/4", 15 pieces  
Metal case



A6716DZ



1 A6716DZ

<b>A6700DZ</b> 3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16 1/2 9/16		
<b>6950</b>		
<b>6956</b>		
<b>6954</b>		
<b>6962</b> 150 mm		
<b>6966</b>		

Socket sets, 1/4", 19 pieces  
Metal case



6821NZ



1 6821NZ

<b>6700SZ</b> 5/32 3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16 1/2 9/16		
<b>6950</b>		
<b>6958</b>		
<b>6956</b>		
<b>6954</b>		
<b>6960</b> 50 mm		
<b>6962</b> 150 mm		
<b>6951</b>		
<b>6966</b>		

Socket sets, 1/4", 25 pieces  
Metal case



6715MZ



1 6715MZ

<b>6700SM</b> 4 4.5 5 5.5 6 7 8 9 10 11 13 mm		
<b>6700SZ</b> 3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16 1/2		
<b>6950</b>		
<b>6956</b>		
<b>6954</b>		
<b>6962</b> 150 mm		
<b>6966</b>		

Socket set with 13 pieces  
Hexagon socket 6700SM on RAIL-187



6729SM

mm



1 6729SM

<b>6700SM</b> 4 4.5 5 5.5 6 7 8 9 10 11 12 13 14 mm		
<b>6956</b>		



Socket set with 7 Pieces  
Hexagon socket 6700SM on RAIL-187



6729SZ

inch	
1	6729SZ

<b>6700SZ</b>	
3/16 7/32 1/4 11/32 3/8 7/16 1/2	
<b>6956</b>	

Sets in metal box, metric  
Refrigeration



R6725MK

1	R6725MK

<b>6700SM</b>		
7 8 10 mm		
<b>R6950</b>		
<b>6954</b>		
<b>6962</b>		
<b>R6967</b>		
<b>R6964A</b>		
<b>R6810M</b>		
3.4 4 4.5 5 6 7 8 9 10 mm		
<b>R6810Z</b>		
1/4		
<b>6966</b>		

Sets in metal box, inch  
Refrigeration



R6725ZK

1	R6725ZK

<b>6700SZ</b>		
1/4 5/16 3/8 7/16 1/2 11/32 *		
<b>R6950</b>		
<b>6954</b>		
<b>6962</b>		
<b>R6967</b>		
<b>R6964A</b>		
<b>R6810Z</b>		
3/16 1/4 5/16 7/32 3/8 *		
<b>R6810M</b>		
6 mm		
<b>R6822Z</b>		
15/32x11/32 "		
<b>6966</b>		

SOCKETS 3/8"

Standard length sockets, 3/8" square drive  
Hex profile, metric sizes



7400SM

mm	
6	5 7400SM-6
7	5 7400SM-7
8	5 7400SM-8
9	5 7400SM-9
10	5 7400SM-10
11	5 7400SM-11
12	5 7400SM-12
13	5 7400SM-13
14	5 7400SM-14
15	5 7400SM-15
16	5 7400SM-16
17	5 7400SM-17
18	5 7400SM-18
19	5 7400SM-19

mm	
20	5 7400SM-20
21	5 7400SM-21
22	5 7400SM-22
6	1 SB7400SM-6
7	1 SB7400SM-7
8	1 SB7400SM-8
9	1 SB7400SM-9
10	1 SB7400SM-10
11	1 SB7400SM-11
12	1 SB7400SM-12
13	1 SB7400SM-13
14	1 SB7400SM-14
15	1 SB7400SM-15
16	1 SB7400SM-16
17	1 SB7400SM-17
18	1 SB7400SM-18
19	1 SB7400SM-19
20	1 SB7400SM-20
21	1 SB7400SM-21
22	1 SB7400SM-22

3/8" socket set with 12 pieces of ref 7400SM on rail-264



7400SR/

mm	
8-19	1 7400SR/S12

<b>7400SM</b>		
8 9 10 11 12 13 14 15 16 17 18 19 mm		


Standard length sockets, 3/8" square drive  
Bi-hex profile, metric sizes, thin-walled





A7400DM

mm	
6	5 A7400DM-6
7	5 A7400DM-7
8	5 A7400DM-8
9	5 A7400DM-9
10	5 A7400DM-10
11	5 A7400DM-11
12	5 A7400DM-12
13	5 A7400DM-13
14	5 A7400DM-14
15	5 A7400DM-15



mm	
16	5 A7400DM-16
17	5 A7400DM-17
18	5 A7400DM-18
19	5 A7400DM-19
20	5 A7400DM-20
21	5 A7400DM-21
22	5 A7400DM-22
6	1 SBA7400DM-6
7	1 SBA7400DM-7
8	1 SBA7400DM-8
9	1 SBA7400DM-9
10	1 SBA7400DM-10
11	1 SBA7400DM-11
12	1 SBA7400DM-12
13	1 SBA7400DM-13
14	1 SBA7400DM-14
15	1 SBA7400DM-15
16	1 SBA7400DM-16
17	1 SBA7400DM-17
18	1 SBA7400DM-18
19	1 SBA7400DM-19
20	1 SBA7400DM-20
21	1 SBA7400DM-21
22	1 SBA7400DM-22

inch	
3/8	5 A7400DZ-3/8
7/16	5 A7400DZ-7/16
1/2	5 A7400DZ-1/2
17/32	5 A7400DZ-17/32
9/16	5 A7400DZ-9/16
19/32	5 A7400DZ-19/32
5/8	5 A7400DZ-5/8
11/16	5 A7400DZ-11/16
3/4	5 A7400DZ-3/4
13/16	5 A7400DZ-13/16
7/8	5 A7400DZ-7/8
1/4	1 SBA7400DZ-1/4
5/16	1 SBA7400DZ-5/16
3/8	1 SBA7400DZ-3/8
7/16	1 SBA7400DZ-7/16
1/2	1 SBA7400DZ-1/2
17/32	1 SBA7400DZ-17/32
9/16	1 SBA7400DZ-9/16
19/32	1 SBA7400DZ-19/32
5/8	1 SBA7400DZ-5/8
11/16	1 SBA7400DZ-11/16
3/4	1 SBA7400DZ-3/4
13/16	1 SBA7400DZ-13/16
7/8	1 SBA7400DZ-7/8

mm	
10	1 A7402DM-10
11	1 A7402DM-11
12	1 A7402DM-12
13	1 A7402DM-13
14	1 A7402DM-14
15	1 A7402DM-15
16	1 A7402DM-16
17	1 A7402DM-17
18	1 A7402DM-18
19	1 A7402DM-19
7	10 SBA7402DM-7
8	10 SBA7402DM-8
9	10 SBA7402DM-9
10	10 SBA7402DM-10
11	10 SBA7402DM-11
12	10 SBA7402DM-12
13	10 SBA7402DM-13
14	10 SBA7402DM-14
15	1 SBA7402DM-15
16	10 SBA7402DM-16
17	10 SBA7402DM-17
18	10 SBA7402DM-18
19	10 SBA7402DM-19


3/8" socket set on rail



7409MB

mm	
7-22	1 7409MB

A7400DM

7, 8, 10, 11, 13, 15, 17, 19, 22 mm	
-------------------------------------	---

Standard length sockets, 3/8" square drive  
Bi-hex profile, inch sizes, thin-walled




A7400DZ

inch	
1/4	5 A7400DZ-1/4
5/16	5 A7400DZ-5/16

Swivel sockets, 3/8" square drive  
Bi-Hex profile, inch sizes, thin-walled.




A7410DZ

inch	
5/16	1 A7410DZ-5/16
3/8	1 A7410DZ-3/8
7/16	1 A7410DZ-7/16
1/2	1 A7410DZ-1/2
9/16	1 A7410DZ-9/16
5/8	1 A7410DZ-5/8
11/16	1 A7410DZ-11/16
3/4	1 A7410DZ-3/4

Deep length sockets, 3/8" square drive  
Bi-hex profile, metric sizes



A7402DM

mm	
7	1 A7402DM-7
8	1 A7402DM-8
9	1 A7402DM-9

3/8" socket set on rail



7408MD

mm	
8-19	1 7408MD

A7402DM

8, 10, 11, 12, 13, 14, 17, 19 mm	
----------------------------------	---

Deep length sockets, 3/8" square drive  
Bi-hex profile, inch sizes



### A7402DZ

inch		
1/4	1	A7402DZ-1/4
5/16	1	A7402DZ-5/16
3/8	1	A7402DZ-3/8
7/16	1	A7402DZ-7/16
1/2	1	A7402DZ-1/2
9/16	1	A7402DZ-9/16
19/32	1	A7402DZ-19/32
5/8	1	A7402DZ-5/8
11/16	1	A7402DZ-11/16
3/4	1	A7402DZ-3/4
13/16	1	A7402DZ-13/16
7/8	1	A7402DZ-7/8
1/4	10	SBA7402DZ-1/4
5/16	10	SBA7402DZ-5/16
3/8	10	SBA7402DZ-3/8
7/16	10	SBA7402DZ-7/16
1/2	10	SBA7402DZ-1/2
9/16	10	SBA7402DZ-9/16
19/32	10	SBA7402DZ-19/32
5/8	10	SBA7402DZ-5/8
11/16	10	SBA7402DZ-11/16
3/4	10	SBA7402DZ-3/4
13/16	10	SBA7402DZ-13/16
7/8	10	SBA7402DZ-7/8

Standard length sockets, 3/8" square drive



### SF

mm/inch		
10	1	SBSF-10
11	1	SBSF-11
12	1	SBSF-12
13	1	SBSF-13
14	1	SBSF-14
15	1	SBSF-15
16	1	SBSF-16
17	1	SBSF-17
18	1	SBSF-18
19	1	SBSF-19
20	1	SBSF-20
22	1	SBSF-22

Socket drivers 3/8" for TORX® screws



### 7400TORX-E

T		
E8	5	7400TORX-E8
E10	5	7400TORX-E10
E11	5	7400TORX-E11
E12	5	7400TORX-E12
E14	5	7400TORX-E14
E16	5	7400TORX-E16
E18	5	7400TORX-E18
E8	1	SB7400TORX-E8
E10	1	SB7400TORX-E10
E11	1	SB7400TORX-E11
E12	1	SB7400TORX-E12
E14	1	SB7400TORX-E14
E16	1	SB7400TORX-E16
E18	1	SB7400TORX-E18

3/8" socket set with 7 pieces of ref 7400TORX-E on rail-264



### 7400TORX-ER/

	1	7400TORX-ER/S7

### 7400TORX-E

E8 E10 E11 E12 E14 E16 E18

## SOCKET DRIVERS 3/8"

3/8" square drive socket drivers, for slotted head screws



### 7409F

mm		
6.5	5	7409F-6.5
8	5	7409F-8
10	5	7409F-10
6.5	1	SB7409F-6.5
8	1	SB7409F-8
10	1	SB7409F-10

3/8" square drive socket drivers, for phillips head screws



### 7409PH

PH		
1	5	7409PH-1
2	5	7409PH-2
3	5	7409PH-3
1	1	SB7409PH-1
2	1	SB7409PH-2
2	1	SB7409PH-3

Socket drivers 3/8" for TORX® screws



### 7409TORX

T		
T20	5	7409TORX-T20
T25	5	7409TORX-T25
T27	5	7409TORX-T27
T30	5	7409TORX-T30
T40	5	7409TORX-T40
T45	5	7409TORX-T45
T50	5	7409TORX-T50
T20	1	SB7409TORX-T20
T25	1	SB7409TORX-T25
T27	1	SB7409TORX-T27
T30	1	SB7409TORX-T30
T40	1	SB7409TORX-T40
T45	1	SB7409TORX-T45
T50	1	SB7409TORX-T50

3/8" square drive socket drivers, for TORX® head screws, tamper resistant



7409TORX-R

T		
TR 27	5	7409TORX-R-T27
TR 30	5	7409TORX-R-T30
TR 40	5	7409TORX-R-T40
TR 45	5	7409TORX-R-T45
TR 50	5	7409TORX-R-T50
TR 27	1	SB7409TORX-R-T27
TR 30	1	SB7409TORX-R-T30
TR 40	1	SB7409TORX-R-T40
TR 45	1	SB7409TORX-R-T45
TR 50	1	SB7409TORX-R-T50

3/8" socket set with 5 pieces of ref 7409TORX-R, tamper resistant, on Rail-187



7409TORX-TRR/

TORX® Tamper		
TR 27-TR 50	1	7409TORX-TRR/S5

7409TORX-R

TR-27 TR-30 TR-40 TR-45 TR-50

3/8" square drive socket drivers, long, for torx head screws



7409TORX-L

T		
T25	5	7409TORX-T25-L
T30	5	7409TORX-T30-L
T40	5	7409TORX-T40-L
T45	5	7409TORX-T45-L
T50	5	7409TORX-T50-L
T25	1	SB7409TORX-T25-L
T30	1	SB7409TORX-T30-L
T40	1	SB7409TORX-T40-L
T45	1	SB7409TORX-T45-L
T50	1	SB7409TORX-T50-L

3/8" square drive socket drivers, for hex head screws  
Metric sizes



7409M

mm		
3	5	7409M-3
4	5	7409M-4
5	5	7409M-5
6	5	7409M-6
7	5	7409M-7
8	5	7409M-8
10	5	7409M-10
3	1	SB7409M-3
4	1	SB7409M-4
5	1	SB7409M-5
6	1	SB7409M-6
7	1	SB7409M-7
8	1	SB7409M-8
10	1	SB7409M-10

3/8" socket set with 7 pieces of ref 7409M on Rail-187



7409MR/

mm		
3-10	1	7409MR/S7

7409M

3,4,5,6,7,8,10 mm

3/8" square drive ball hex socket drivers, for hex head screws



7409BH

mm		
4	5	7409BH-4
5	1	7409BH-5
6	5	7409BH-6
8	5	7409BH-8
10	5	7409BH-10
4	1	SB7409BH-4
5	1	SB7409BH-5
6	1	SB7409BH-6
8	1	SB7409BH-8
10	1	SB7409BH-10

ACCESSORIES 3/8"

ERGO™ reversible ratchet 3/8"



7755-3/8

mm		
215	1	7755-3/8
215	1	SB7755-3/8

Reversible ratchet, 3/8"  
80 teeth/ 4.5° action angle, sealed.



7750

mm		
205	1	7750

Reversible ratchet, 3/8"



7750RN

mm		
202	1	7750RN
202	1	SB7750RN

Reversible ratchet 3/8"  
Retail pack



SBS750

mm		
200	1	SBS750

Reversible ratchet, 3/8" 72 teeth/ 5° action angle  
Slim head for narrow places



7750SL

mm	
205	1 7750SL

Reversible flex-head ratchet 3/8"



7710

mm	
280	1 7710

3/8" Speeder, with rotary steel handle



7752

mm	
435	1 7752

3/8" Breaker bar



7758

mm	
250	1 7758
250	1 SB7758

3/8" breaker bar  
Retail pack



S705

mm	
240	1 SBS705

3/8" Sliding T-handle



7754

mm	
160	1 7754
160	10 SB7754

Sliding T-handle, 3/8"



S755

mm	
160	1 SBS755

3/8" Spinner handle  
With 3/8" female square drive in the handle



7757

mm	
150	1 7757
150	1 SB7757

3/8" Extension bars



7760-7761-7762

mm	
75	1 7760
127	1 7761
250	1 7762
75	1 SB7760
127	1 SB7761
250	1 SB7762

3/8" wobbler extension bars



7760-W - 7761-W

mm	
75	1 7760-W
150	1 7761-W

3/8" flexible extension bar



7759

mm	
208	1 7759
208	1 SB7759

3/8" extension bars



S760 - S762

mm		
75	1	SBS760
125	1	SBS761
250	1	SBS762

3/8" universal joint, smooth operation



7768

mm		
45	1	7768

Increasing flat adaptor for 3/8" square drive and 1/2" socket  
With magnet in the drive disc



8167

inch		
3/8 - 1/2	1	8167

3/8" universal joint



7766

mm		
52	1	7766
52	1	SB7766

Decreasing adaptor for 3/8" square drive and 1/4" socket



7764

inch		
3/8 - 1/4	1	7764
3/8 - 1/4	1	SB7764

Adaptors for 3/8" square drive and 1/4" and 1/2" sockets



S723 / S724

inch		
3/8 1/4	1	SBS723
3/8 1/2	1	SBS724

3/8" universal joint  
Retail pack



S775

mm		
75	1	SBS775

Increasing adaptor for 3/8" square drive and 1/2" sockets



8164-1/2

inch		
3/8 - 1/2	1	8164-1/2

3/8" Adaptor for 5/16" bits



7106J0080

Hex.		
5/16"	1	7106J0080

Adaptor set with 7767, 8167, 8967



8967/



1 8967/S3

Spare parts kit for 7755-3/8



7755-SO/1



1 7755-SO/1

Spare parts kit for 3/8" ratchet 7750



7750-SPARE



1 7750-SPARE

Spare parts kit for 3/8" ratchet 7750RN



7750RN-SPARE



1 7750RN-SPARE

Spare parts kit for 3/8" ratchet 7710



7710-SO/1



1 7710-SO/1

Spare parts kit for 3/8" ratchet 7750SL



7750SL-SPARE



1 7750SL-SPARE

Socket rails and clips 1/2"



187/264/340

length mm



187	3	RAIL-187
264	3	RAIL-264
340	3	RAIL-340

Sockets rails and clips 3/8"



C3/8

length mm



19 25 CLIPS-3/8

## SOCKET SETS 3/8"

3/8" Socket set



7420RE



1 7420RE

7755-3/8

7761

125 mm

7400SM

8 10 11 12 13 14 15 16 17 18 19 mm

3/8" socket set



7415MBP



8

1 7415MBP

A7400DM

8,9,10,11,12,13,14,15,16,17,18,19 mm

7750

7760

7766



3/8" socket set



7440ME



1 7440ME

**7400SM**

6 7 8 9 10 11 12 13 14 15 17 19 mm

**7755-3/8**

**7758**

**7761 (125 mm)**

3/8" socket set



7430GE



1 7430GE

**7754**

**7761**

(125 mm) 7762 (250 mm)

**7766**

**7400SM**

6 7 8 9 10 11 12 13 14 15 17 19 mm

**7755-3/8**

3/8" socket set  
Bi-hex sockets metric sizes



A7435DME



1 A7435DME

**A7400DM**

9 10 11 12 13 14 15 16 17 18 19 20 21 22 mm

**7755-3/8**

**7758**

**7754**

**7752**

**7760**

75 mm

**7761**

125 mm

**7762**

250 mm

**7766**

3/8" socket set  
Bi-hex sockets inch sizes



A7440DZE



1 A7440DZE

**A7400DZ**

1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8

**7755-3/8**

**7758**

**7761**

125 mm

3/8" socket set  
Bi-Hex sockets metric sizes



A7440DME



1 A7440DME

**A7400DM**

9 10 11 12 13 14 15 16 17 18 19 20 21 22 mm

**7755-3/8**

**7758**

**7761**

125 mm

Socket set 3/8"



7422MBR



1 7422MBR

**A7400DM**

6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 mm

**7750RN**

**7760**

75 mm

**7762**

250 mm

**7754**

**7766**

3/8" socket set



7422MHR



1 7422MHR

<b>7400SM</b>	
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 mm	
<b>7750RN</b>	
<b>7760</b>	
75 cm	
<b>7762</b>	
250 mm	
<b>7754</b>	
<b>7766</b>	

3/8" socket set



7422MBP



1 7422MBP

<b>A7400DM</b>	
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 mm	
<b>7750</b>	
<b>7760</b>	
75 mm	
<b>7762</b>	
250 mm	
<b>7754</b>	
<b>7766</b>	

3/8" socket set



7422MHP



1 7422MHP

<b>7400SM</b>	
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 mm	
<b>7750</b>	
<b>7760</b>	
75 mm	
<b>7762</b>	
250 mm	
<b>7754</b>	
<b>7766</b>	

3/8" socket set  
Bi-Hex sockets inch sizes



A7535DZE



1 A7535DZE

<b>A7400DZ</b>	
1/4 5/16 3/8 7/16 1/2 17/32 9/16 19/32 5/8 11/16 3/4 13/16 7/8	
<b>7755-3/8</b>	
<b>7758</b>	
<b>7754</b>	
<b>7752</b>	
<b>7760</b>	
75 mm	
<b>7762</b>	
250 mm	
<b>7766</b>	

Socket set 3/8"  
Bi-Hex sockets metric sizes



7429JDE



1 7429JDE

<b>A7400DM</b>	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 mm	
<b>7755-3/8</b>	
<b>7757</b>	
<b>7754</b>	
<b>7409F</b>	
6.5 8 mm	
<b>7409PH</b>	
PH 1 2 3	
<b>7409M</b>	
3 4 5 6 8 mm	
<b>7760, 7762</b>	
75, 250 mm	
<b>7407H</b>	
<b>7766</b>	

SOCKETS 1/2"

Standard length sockets, 1/2" square drive  
Hex profile, metric sizes



7800SM

<b>mm</b>	
8	10 7800SM-8
9	10 7800SM-9
10	10 7800SM-10
11	10 7800SM-11
12	10 7800SM-12
13	10 7800SM-13
14	10 7800SM-14
15	10 7800SM-15
16	10 7800SM-16
17	10 7800SM-17
18	10 7800SM-18
19	10 7800SM-19
20	10 7800SM-20

mm		
21	10	7800SM-21
22	10	7800SM-22
23	5	7800SM-23
24	5	7800SM-24
25	5	7800SM-25
26	5	7800SM-26
27	5	7800SM-27
28	5	7800SM-28
29	1	7800SM-29
30	5	7800SM-30
32	5	7800SM-32
34	5	7800SM-34
36	1	7800SM-36
8	1	SB7800SM-8
9	1	SB7800SM-9
10	1	SB7800SM-10
11	1	SB7800SM-11
12	1	SB7800SM-12
13	1	SB7800SM-13
14	1	SB7800SM-14
15	1	SB7800SM-15
16	1	SB7800SM-16
17	1	SB7800SM-17
18	1	SB7800SM-18
19	1	SB7800SM-19
20	1	SB7800SM-20
21	1	SB7800SM-21
22	1	SB7800SM-22
23	1	SB7800SM-23
24	1	SB7800SM-24
25	1	SB7800SM-25
26	1	SB7800SM-26
27	1	SB7800SM-27
28	1	SB7800SM-28
29	1	SB7800SM-29
30	1	SB7800SM-30
32	1	SB7800SM-32
34	1	SB7800SM-34
36	1	SB7800SM-36

1/2" socket set on rail



### 7810MH

mm		
10-22	1	7810MH

### 7800SM

10, 11, 13, 14, 15, 16, 17, 19, 21, 22 mm

Standard length sockets, 1/2" square drive  
Hex profile, inch sizes



### 7800SZ

inch		
5/16	10	7800SZ-5/16
3/8	10	7800SZ-3/8
7/16	10	7800SZ-7/16
1/2	10	7800SZ-1/2
9/16	10	7800SZ-9/16
5/8	10	7800SZ-5/8
11/16	10	7800SZ-11/16
3/4	10	7800SZ-3/4
13/16	10	7800SZ-13/16
7/8	10	7800SZ-7/8
15/16	10	7800SZ-15/16
1	10	7800SZ-1
1.1/16	10	7800SZ-1.1/16
1.1/8	5	7800SZ-1.1/8
1.13/16	10	7800SZ-1.3/16
1.1/4	10	7800SZ-1.1/4
5/16	1	SB7800SZ-5/16
3/8	1	SB7800SZ-3/8
7/16	1	SB7800SZ-7/16
1/2	1	SB7800SZ-1/2
9/16	1	SB7800SZ-9/16
5/8	1	SB7800SZ-5/8
11/16	1	SB7800SZ-11/16
3/4	1	SB7800SZ-3/4
13/16	1	SB7800SZ-13/16
7/8	1	SB7800SZ-7/8
15/16	1	SB7800SZ-15/16
1	1	SB7800SZ-1
1.1/16	1	SB7800SZ-1.1/16
1.1/8	1	SB7800SZ-1.1/8
1.3/16	1	SB7800SZ-1.3/16
1.1/4	1	SB7800SZ-1.1/4

Deep length sockets, 1/2" square drive  
Bi-hex profile, metric sizes



### 7805SM

mm		
10	5	7805SM-10
12	5	7805SM-12
13	5	7805SM-13
14	5	7805SM-14
15	5	7805SM-15
16	5	7805SM-16
17	5	7805SM-17
18	5	7805SM-18
19	5	7805SM-19
20	5	7805SM-20
21	1	7805SM-21
22	1	7805SM-22
23	1	7805SM-23
24	1	7805SM-24
25	1	7805SM-25
26	1	7805SM-26
27	1	7805SM-27
28	1	7805SM-28
29	1	7805SM-29
30	1	7805SM-30
32	1	7805SM-32
10	1	SB7805SM-10
12	1	SB7805SM-12
13	1	SB7805SM-13
14	1	SB7805SM-14
15	1	SB7805SM-15
16	1	SB7805SM-16
17	1	SB7805SM-17
18	1	SB7805SM-18
19	1	SB7805SM-19
20	1	SB7805SM-20
21	1	SB7805SM-21
22	1	SB7805SM-22
23	1	SB7805SM-23
24	1	SB7805SM-24
25	1	SB7805SM-25
26	1	SB7805SM-26
27	1	SB7805SM-27
28	1	SB7805SM-28
29	1	SB7805SM-29
30	1	SB7805SM-30
32	1	SB7805SM-32

Standard length sockets, 1/2" square drive  
Bi-hex profile, metric sizes



### 7800DM

mm		
8	10	7800DM-8
9	10	7800DM-9
10	10	7800DM-10
11	10	7800DM-11
12	10	7800DM-12
13	10	7800DM-13
14	10	7800DM-14
15	10	7800DM-15
16	10	7800DM-16
17	10	7800DM-17
18	10	7800DM-18
19	10	7800DM-19
20	10	7800DM-20
21	10	7800DM-21
22	10	7800DM-22
23	5	7800DM-23
24	5	7800DM-24
25	5	7800DM-25
26	5	7800DM-26
27	5	7800DM-27
28	5	7800DM-28
29	5	7800DM-29
30	5	7800DM-30
32	5	7800DM-32
36	1	7800DM-36
8	1	SB7800DM-8
9	1	SB7800DM-9
10	1	SB7800DM-10
11	1	SB7800DM-11
12	1	SB7800DM-12
13	1	SB7800DM-13
14	1	SB7800DM-14
15	1	SB7800DM-15
16	1	SB7800DM-16
17	1	SB7800DM-17
18	1	SB7800DM-18
19	1	SB7800DM-19
20	1	SB7800DM-20
21	1	SB7800DM-21
22	1	SB7800DM-22
23	1	SB7800DM-23
24	1	SB7800DM-24
25	1	SB7800DM-25
26	1	SB7800DM-26
27	1	SB7800DM-27
28	1	SB7800DM-28
29	1	SB7800DM-29
30	1	SB7800DM-30
32	1	SB7800DM-32
36	1	SB7800DM-36

1/2" socket set on rail



### 7810MB

mm	
10-22	1 7810MB

### 7800DM

10, 11, 13, 14, 15, 16, 17, 19, 21, 22 mm

Standard length sockets, 1/2" square drive  
Bi-hex profile, inch sizes



### 7800DZ

inch		
3/8	10	7800DZ-3/8
7/16	10	7800DZ-7/16
1/2	10	7800DZ-1/2
9/16	10	7800DZ-9/16
19/32	5	7800DZ-19/32
5/8	5	7800DZ-5/8
11/16	5	7800DZ-11/16
3/4	5	7800DZ-3/4
25/32	5	7800DZ-25/32
13/16	5	7800DZ-13/16
7/8	5	7800DZ-7/8
15/16	5	7800DZ-15/16
1	5	7800DZ-1
1.1/16	1	7800DZ-1.1/16
1.1/8	5	7800DZ-1.1/8
1.3/16	1	7800DZ-1.3/16
1.1/4	5	7800DZ-1.1/4
3/8	1	SB7800DZ-3/8
7/16	1	SB7800DZ-7/16
1/2	1	SB7800DZ-1/2
9/16	1	SB7800DZ-9/16
19/32	1	SB7800DZ-19/32
5/8	1	SB7800DZ-5/8
11/16	1	SB7800DZ-11/16
3/4	1	SB7800DZ-3/4
25/32	1	SB7800DZ-25/32
13/16	1	SB7800DZ-13/16
7/8	1	SB7800DZ-7/8
15/16	1	SB7800DZ-15/16
1"	1	SB7800DZ-1
1.1/16	1	SB7800DZ-1.1/16
1.1/8	1	SB7800DZ-1.1/8
1.3/16	1	SB7800DZ-1.3/16
1.1/4	1	SB7800DZ-1.1/4

Deep length sockets, 1/2" square drive  
Bi-hex profile, metric sizes



### 7805DM

mm		
10	5	7805DM-10
12	5	7805DM-12
13	5	7805DM-13
14	5	7805DM-14
15	5	7805DM-15
16	5	7805DM-16
17	5	7805DM-17
18	5	7805DM-18
19	5	7805DM-19
21	1	7805DM-21
22	1	7805DM-22
24	1	7805DM-24
26	1	7805DM-26
27	1	7805DM-27
30	1	7805DM-30
10	1	SB7805DM-10
12	1	SB7805DM-12
13	1	SB7805DM-13
14	1	SB7805DM-14
15	1	SB7805DM-15
16	1	SB7805DM-16
17	1	SB7805DM-17
18	1	SB7805DM-18
19	1	SB7805DM-19
21	1	SB7805DM-21
22	1	SB7805DM-22
24	1	SB7805DM-24
26	1	SB7805DM-26
27	1	SB7805DM-27
30	1	SB7805DM-30

1/2" socket set on rail



### 7806MD

mm	
10-22	1 7806MD

### 7805DM

10, 13, 14, 17, 19, 22 mm

Standard length sockets, 1/2" square drive  
Hex profile, metric and inch sizes



S80

mm	
8	1 SBS80-8
9	1 SBS80-9
10	1 SBS80-10
11	1 SBS80-11
12	1 SBS80-12
13	1 SBS80-13
14	1 SBS80-14
15	1 SBS80-15
16	1 SBS80-16
17	1 SBS80-17
18	1 SBS80-18
19	1 SBS80-19
21	1 SBS80-21
22	1 SBS80-22
23	1 SBS80-23
24	1 SBS80-24
27	1 SBS80-27
30	1 SBS80-30
32	1 SBS80-32

TORX® sockets, 1/2" square drive  
For TORX® head screws



7800TORX-E

size	
E8	5 7800TORX-E8
E10	5 7800TORX-E10
E11	5 7800TORX-E11
E12	5 7800TORX-E12
E14	5 7800TORX-E14
E16	5 7800TORX-E16
E18	5 7800TORX-E18
E20	5 7800TORX-E20
E24	5 7800TORX-E24
E8	1 SB7800TORX-E8
E10	1 SB7800TORX-E10
E11	1 SB7800TORX-E11
E12	1 SB7800TORX-E12
E14	1 SB7800TORX-E14
E16	1 SB7800TORX-E16
E18	1 SB7800TORX-E18
E20	1 SB7800TORX-E20
E24	1 SB7800TORX-E24

1/2" socket set on rail



7806TE

Torx	
E12-E24	1 7806TE

7800TORX-E

E12, E14, E16, E18, E20, E24
------------------------------

### SOCKET DRIVERS 1/2"

1/2" square drive socket drivers, for slotted head screws



7809F

mm	
8	5 7809F-8
10	5 7809F-10
8	1 SB7809F-8
10	1 SB7809F-10

1/2" square drive socket drivers, for Phillips head screws



7809PH

PH	
2	5 7809PH-2
3	5 7809PH-3
4	5 7809PH-4

1/2" square drive socket drivers, for Pozidriv head screws



7809PZ

PZ	
2	5 7809PZ-2
3	5 7809PZ-3

1/2" square drive socket drivers, for TORX® head screws



7809TORX

T	
T20	5 7809TORX-T20
T25	5 7809TORX-T25
T27	5 7809TORX-T27
T30	5 7809TORX-T30
T40	5 7809TORX-T40
T40-120	5 7809TORX-T40-120
T45	5 7809TORX-T45
T45-120	5 7809TORX-T45-120
T50	5 7809TORX-T50
T50-100	5 7809TORX-T50-100
T55	5 7809TORX-T55
T55-140	5 7809TORX-T55-140
T60	5 7809TORX-T60
T70-140	5 7809TORX-T70-140
T20	1 SB7809TORX-T20
T25	1 SB7809TORX-T25
T27	1 SB7809TORX-T27
T30	1 SB7809TORX-T30
T40	1 SB7809TORX-T40
T45	1 SB7809TORX-T45
T50	1 SB7809TORX-T50
T55	1 SB7809TORX-T55
T60	1 SB7809TORX-T60

1/2" socket driver set on rail



7809TO

torx	
T20-T60	1 7809TO

7809TORX

T20, T25, T27, T30, T40, T45, T50, T55, T60

1/2" square drive socket drivers, for hex head screws.  
Metric sizes



7809M

mm	
4	1 7809M-4
5	5 7809M-5
5	5 7809M-5-180
6	5 7809M-6
6	5 7809M-6-140
6	1 7809M-6-220
7	5 7809M-7
7	5 7809M-7-100
8	5 7809M-8
8	5 7809M-8-120
9	5 7809M-9
10	5 7809M-10
10	5 7809M-10-140
12	5 7809M-12
12	1 7809M-12-100
14	5 7809M-14
17	5 7809M-17
19	5 7809M-19
5	1 SB7809M-5
5	1 SB7809M-5-180
6	1 SB7809M-6
6	1 SB7809M-6-140
7	1 SB7809M-7
7	1 SB7809M-7-100
8	1 SB7809M-8
8	1 SB7809M-8-120
9	1 SB7809M-9
10	1 SB7809M-10
10	1 SB7809M-10-140
12	1 SB7809M-12
14	1 SB7809M-14
17	1 SB7809M-17
19	1 SB7809M-19

Socket drivers 1/2" for hex screws



7808HM

mm	
4-14	1 7808HM

7809M

4, 5, 6, 7, 8, 10, 12, 14 mm

1/2" square drive socket drivers, for hex head screws  
Inch sizes



7809Z

inch	
3/16	5 7809Z-3/16
1/4	5 7809Z-1/4
5/16	5 7809Z-5/16
3/8	5 7809Z-3/8
7/16	5 7809Z-7/16
1/2	5 7809Z-1/2
9/16	5 7809Z-9/16
19/32	5 7809Z-19/32
5/8	5 7809Z-5/8

1/2" square drive socket drivers, for multipoint head screws (XZN)



7809XZN

mm	
6	1 7809XZN-6
8	1 7809XZN-8
8	1 7809XZN-8-100
10	5 7809XZN-10
10	1 7809XZN-10-100
12	1 7809XZN-12
12	1 7809XZN-12-100
14	1 7809XZN-14
14	1 7809XZN-14-100
16	1 7809XZN-16

1/2" socket set on rail



7806XZN

XZN	
6-12L	1 7806XZN

7808XZN

6, 8, 10, 12

7809XZN-100

8, 10, 12

ACCESSORIES 1/2"

ERGO™ reversible ratchet



8155-1/2

mm	
260	1 8155-1/2
260	1 SB8155-1/2

Reversible ratchet, 1/2"  
80 teeth/ 4.5° action angle, sealed



8150-1/2

mm	
270	1 8150-1/2
270	1 SB8150-1/2



1/2" ratchet, reversible  
60 teeth/ 6° action angle



SBS81

mm	
270	5 SBS81

1/2" ratchet, reversible  
Indicating arrow for turning direction, patented



8150RN-1/2

mm	
270	1 8150RN-1/2
270	1 SB8150RN-1/2

Reversible ratchet, 1/2". 72 teeth/ 5° action angle  
Slim head for narrow places



8150SL

mm	
265	1 8150SL

1/2" ratchet, reversible  
60 teeth/ 6° action angle



SBS82

mm	
270	1 SBS82

Reversible ratchet, 1/2"



8193-1/2

mm	
255	1 8193-1/2

Fitting square drive for ratchet 8193-1/2



8194-1/2

mm	
32	1 8194-1/2

1/2" Flex-head ratchet, reversible



8110-1/2

mm	
410	1 8110-1/2
410	1 SB8110-1/2

1/2" flex-head ratchet, reversible



8110H-1/2

mm	
450	1 8110H-1/2

1/2" ratchet adaptor



8151-1/2

mm	
55	1 8151-1/2

1/2" speeder, with rotary steel handle



8152-1/2

mm	
417	1 8152-1/2

1/2" breaker bar



8158-1/2

mm	
390	1 8158-1/2
390	1 SB8158-1/2

1/2" breaker bars



S87

mm	
257	1 SBS87S
390	1 SBS87

1/2" extension bars



8159/8160/8162

mm	
75	5 8159-1/2
125	5 8160-1/2
250	5 8162-1/2
75	1 SB8159-1/2
125	1 SB8160-1/2

1/2" universal joint



8166-1/2

mm	
72	5 8166-1/2
72	1 SB8166-1/2

1/2" offset handle



8167-1/2

L mm	
200	1 8167-1/2

1/2" extension bars

Retail pack



S83

mm	
75	1 SBS83-3
125	1 SBS83-5
250	1 SBS83-10

1/2" universal joint



1/2" sliding T-handle



8154-1/2

mm	
283	1 8154-1/2

1/2" wobblers extension bars



8159-W - 8162-W

mm	
75	1 8159-W
125	1 8160-W
250	1 8162-W

S85

mm	
72	1 SBS85

1/2" sliding T-handle



S86

mm	
283	1 SBS86

1/2" locking extension bar



8160-B

L mm	
125	1 8160-B

1/2" universal joint , smooth operation



8168

mm	
62	1 8168

Decreasing adaptor for 1/2" square drive and 3/8" sockets



8165-1/2

inch

1/2 - 3/8



5 8165-1/2

Increasing adaptor for 1/2" square drive and 3/4" sockets



S89

square

1/2 - 3/4



1 SBS89

Adaptor set with 7767, 8167, 8967



8967/S



1 8967/S3

Decreasing adaptor for 1/2" square drive and 3/8" sockets



S88

square

1/2 - 3/8



1 SBS88

Increasing flat adaptor for 1/2" square drive and 3/4" socket  
With magnet in the drive disc



8967

inch

1/2 - 3/4



1 8967

Spare parts kit for 1/2" ratchet 8155-1/2 6pcs



8155-SO/1



1 8155-SO/1

Spare parts for 1/2" ratchet 8150-1/2



8150-1/2-SPARE



1 8150-1/2-SPARE

Increasing adaptor for 1/2" square drive and 3/4" sockets



8964

inch

1/2 - 3/4



1 8964

1/2" adaptor for bits 5/16"



7106

Hex.

5/16"



1 7106S0080

Spare parts for 1/2" ratchet 8150RN-1/2



8150RN-1/2-SPARE



1 8150RN-1/2-SPARE

Spare parts kit for 1/2" ratchet 8150SL



8150SL-SPARE



1 8150SL-SPARE

Spare parts for 1/2" ratchet 8110-1/2



8110-SO/1



1 8110-SO/1

Spare parts kit for 1/2" breaker bar 8158-1/2 3pcs



8158-SO/1



1 8158-SO/1

Socket rails and clips 1/2"



187/264/340-RAILS

length mm

187	3	RAIL-187
264	3	RAIL-264
340	3	RAIL-340

Sockets rails and clips 1/2"



C1/2

length mm



19

25 CLIPS-1/2

SOCKET SETS 1/2"

1/2" socket set



7813MHP



1 7813MHP

7800SM

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 mm

8150-1/2

Socket sets 1/2", 10 pieces  
Metal case



7819SRE



1 7819SRE

7800SM

10 11 12 13 17 19 22 24 mm

8155-1/2

8160-1/2

125 mm

Socket sets 1/2", 10 pieces metal case



7819DME



1 7819DME

7800DM

10 13 16 17 18 19 22 24 mm

8155-1/2

8160-1/2

125 mm

Socket sets 1/2"



7816MBR



1 7816MBR

7800DM

8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 mm

8150RN-1/2

8162-1/2

8154-1/2

1/2" socket set



7816MHP



1 7816MHP

<b>7800SM</b> 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 mm		
<b>8150-1/2</b>		
<b>8162-1/2</b> 250 mm		
<b>8154-1/2</b>		

1/2" socket set



7818MBP



1 7818MBP

<b>7800DM</b> 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32 mm		
<b>8150-1/2</b>		
<b>8160-1/2</b> 125 mm		
<b>8162-1/2</b> 250 mm		
<b>8154-1/2</b>		
<b>8166-1/2</b>		

1/2" socket set



7818MHR



1 7818MHR

<b>7800SM</b> 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32 mm		
<b>8150RN-1/2</b>		
<b>8160-1/2</b> 125 mm		
<b>8162-1/2</b> 250 mm		
<b>8154-1/2</b>		
<b>8166-1/2</b>		

Socket sets 1/2", 19 pieces  
Metal case



7819HNRE



1 7819HNRE

<b>7800SM</b> 10 11 12 13 14 15 16 17 19 22 24 27 30 32 mm		
<b>8155-1/2</b>		
<b>8154-1/2</b>		
<b>8160-1/2</b> 125 mm		
<b>8162-1/2</b> 250 mm		
<b>8166-1/2</b>		

Socket sets 1/2", 21 pieces  
Metal case



7886SME



1 7886SME

<b>7800SM</b> 12 13 14 15 16 17 18 19 21 22 23 24 27 30 32 mm		
<b>8155-1/2</b>		
<b>8154-1/2</b>		
<b>8159-1/2</b> 75 mm		
<b>8160-1/2</b> 125 mm		
<b>8162-1/2</b> 250 mm		
<b>8166-1/2</b>		

Socket sets 1/2", 21 pieces  
Metal case



7886DME



1 7886DME

<b>7800DM</b> 12 13 14 15 16 17 18 19 21 22 23 24 27 30 32 mm		
<b>8155-1/2</b>		
<b>8154-1/2</b>		
<b>8159-1/2</b> 75 mm		
<b>8160-1/2</b> 125 mm		
<b>8162-1/2</b> 250 mm		
<b>8166-1/2</b>		

Socket sets 1/2", 23 pieces



7819HRN



1 7819HRN

**7800SM**

10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 30 32 mm

**8150RN-1/2**

**8154-1/2**

**8162-1/2**

250 mm

1/2" socket set



7825MBP



1 7825MBP

**7800DM**

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm

**8150-1/2**

**8160-1/2**

125 mm

**8162-1/2**

250 mm

**8154-1/2**

**8166-1/2**

1/2" socket set



7825MBR



1 7825MBR

**7800DM**

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm

**8150RN-1/2**

**8160-1/2**

125 mm

**8162-1/2**

250 mm

**8154-1/2**

**8166-1/2**

1/2" socket set



7825MHP



1 7825MHP

**7800SM**

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm

**8160-1/2**

125 mm

**8162-1/2**

250 mm

**8154-1/2**

**8166-1/2**

1/2" socket set



7825MHR



1 7825MHR

**7800SM**

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm

**8150RN-1/2**

**8160-1/2**

125 mm

**8162-1/2**

250 mm

**8154-1/2**

**8166-1/2**

Socket sets 1/2", 25 pieces  
Metal case



7819DRN



1 7819DRN

**7800DM**

10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 mm

**8150RN-1/2**

**8154-1/2**

**8152-1/2**

**8160-1/2**

125 mm

**8162-1/2**

250 mm

**8166-1/2**



Socket sets 1/2", 25 pieces  
Metal case



7888SM



1 7888SM

<b>7800SM</b>	
10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 27 30 32 mm	
<b>8150-1/2</b>	
<b>8158-1/2</b>	
<b>8154-1/2</b>	
<b>8159-1/2</b>	
75 mm	
<b>8160-1/2</b>	
125 mm	
<b>8162-1/2</b>	
250 mm	
<b>8166-1/2</b>	

Socket sets 1/2", 25 pieces



7888DM



1 7888DM

<b>7800DM</b>	
10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 27 30 32 mm	
<b>8150-1/2</b>	
<b>8158-1/2</b>	
<b>8154-1/2</b>	
<b>8159-1/2</b>	
75 mm	
<b>8160-1/2</b>	
125 mm	
<b>8162-1/2</b>	
250 mm	
<b>8166-1/2</b>	

Socket sets 1/2", 27 pieces  
Metal case



7819JE



1 7819JE

<b>7800SM</b>	
10 11 12 13 14 15 17 19 22 24 27 30 mm	
<b>8155-1/2</b>	
<b>8154-1/2</b>	
300 mm	
<b>7809F</b>	
1.2x8 1.6x10 mm	
<b>7809PH</b>	
PH 2 3	
<b>7809M</b>	
5 6 7 8 10 12 14 mm	
<b>8160-1/2</b>	
125 mm	
<b>8166-1/2</b>	

Socket sets 1/2", 10 pieces  
Metal case



7819DZE



1 7819DZE

<b>7800DZ</b>	
3/8 1/2 9/16 5/8 11/16 3/4 7/8 15/16	
<b>8155-1/2</b>	
<b>8160-1/2</b>	
125 mm	

Socket sets 1/2", 21 pieces  
Metal case



7819DZ



1 7819DZ

<b>7800DZ</b>	
3/8 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8 15/16 1 1.1/16 1.1/8 1.3/16 1.1/4	
<b>8150RN-1/2</b>	
<b>8154-1/2</b>	
<b>8162-1/2</b>	
250 mm	
<b>8166-1/2</b>	

Socket sets 1/2", 21 pieces  
Metal case



7886DZE



1 7886DZE

<b>7800DZ</b>	
7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8 15/16 1 1 1/16 1 3/16 1 1/4	
<b>8155-1/2</b>	
<b>8154-1/2</b>	
<b>8159-1/2</b>	
75 mm	
<b>8160-1/2</b>	
125 mm	
<b>8162-1/2</b>	
250 mm	
<b>8166-1/2</b>	

Socket sets 1/2", 41 pieces metal case



4003M



1 4003M

1952M

10 11 12 13 14 15 16 17 18 19 22 24 27 32 mm

7800DM

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 30 32 mm

8150-1/2

8158-1/2

8154-1/2

8160-1/2

125 mm

8162-1/2

250 mm

8166-1/2

Hexagon socket set in metric sizes



S80/8



S80/17

S80/

mm	mm	
10-24	235x75x33	1 S80/6
10-24	315x75x34	1 S80/8
10-82	180x165x60	1 S80/17

Set of hex head drivers, 10 pieces, metric 1/2" metal case



7809M/10



1 7809M/10

7809M

5 6 7 8 9 10 12 14 17 19 mm

Set of hex head driver, 10 pieces, inch



7809Z/10



1 7809Z/10

7809Z

3/16 1/4 5/16 3/8 7/16 1/2 17/32 9/16 19/32 5/8 \*

Set of socket set drivers for TORX® and Phillips, 10 pieces



7809TORX/10



1 7809TORX/10

7809TORX

T 20 25 27 30 40 45 50 55

7809PH

PH 2 3

## SOCKETS 3/4"

Standard length sockets, 3/4" square drive Hex profile, metric sizes



8900SM

mm



19	1 8900SM-19
22	1 8900SM-22
23	1 8900SM-23
24	1 8900SM-24
26	1 8900SM-26
27	1 8900SM-27
28	1 8900SM-28
29	1 8900SM-29
30	1 8900SM-30
32	1 8900SM-32
33	1 8900SM-33
34	1 8900SM-34
35	1 8900SM-35
36	1 8900SM-36
38	1 8900SM-38
41	1 8900SM-41
42	1 8900SM-42
46	1 8900SM-46
50	1 8900SM-50
55	1 8900SM-55
60	1 8900SM-60

Standard length sockets, 3/4" square drive Bi-hex profile, metric sizes



8900DM

mm



19	1 8900DM-19
22	1 8900DM-22
23	1 8900DM-23
24	1 8900DM-24
25	1 8900DM-25
26	1 8900DM-26
27	1 8900DM-27
28	1 8900DM-28
29	1 8900DM-29
30	1 8900DM-30
32	1 8900DM-32
33	1 8900DM-33
34	1 8900DM-34
35	1 8900DM-35

mm		
36	1	8900DM-36
38	1	8900DM-38
40	1	8900DM-40
41	1	8900DM-41
42	5	8900DM-42
46	1	8900DM-46
50	1	8900DM-50
55	1	8900DM-55
60	1	8900DM-60

Standard length sockets, 3/4" square drive  
Bi-hex profile, inch sizes



8900DZ

inch		
7/8	1	8900DZ-7/8
15/16	1	8900DZ-15/16
1	1	8900DZ-1
1.1/16	1	8900DZ-1.1/16
1.1/8	1	8900DZ-1.1/8
1.3/16	1	8900DZ-1.3/16
1.1/4	1	8900DZ-1.1/4
1.5/16	1	8900DZ-1.5/16
1.3/8	1	8900DZ-1.3/8
1.7/16	1	8900DZ-1.7/16
1.1/2	1	8900DZ-1.1/2
1.5/8	1	8900DZ-1.5/8
1.11/16	1	8900DZ-1.11/16
1.3/4	1	8900DZ-1.3/4
1.13/16	1	8900DZ-1.13/16
1.7/8	1	8900DZ-1.7/8
2	1	8900DZ-2
2.1/16	1	8900DZ-2.1/16
2.1/8	1	8900DZ-2.1/8
2.1/4	1	8900DZ-2.1/4

## ACCESSORIES 3/4"

3/4" ratchet, reversible



8950N

mm		
610	1	8950N

3/4" ratchet, reversible



8952N

L mm		
525	1	8952N

3/4" universal handle

For ratchet head 8950 N/A, breaker bar flex head 8958A and sliding T-head 8954A



8953

mm		
500	1	8953

Universal handle for 8952N/A



8952N/B

L mm.		
450	1	8952N/B

3/4" ratchet head, reversible

Together with universal handle 8953 it becomes the complete ratchet 8950N.



8950N/A

mm		
170	1	8950N/A

3/4" ratchet head, reversible

Together with universal handle 8952N/B it becomes the complete ratchet 8952N



8952N/A

mm		
145	1	8952N/A

3/4" ratchet adaptor, reversible  
Max diameter 60 mm



8951

mm		
95	1	8951

3/4" sliding T-handle

Consisting of universal handle 8953 and sliding head 8954A



8954

mm		
500	1	8954

3/4" sliding T-head

Together with universal handle 8953 completes the sliding T-handle 8954



8954A

mm		
62	1	8954A

3/4" breaker bar  
Consisting of flex head 8958A and universal handle 8953



8958

mm	
570	1 8958

3/4" universal joint



8966

mm	
103,5	1 8966

3/4" breaker bar flex head  
Together with universal handle 8953 it completes the breaker bar 8958



8958A

mm	
125	1 8958A

Decreasing adaptor for 3/4" square drive and 1/2" sockets



8965

inch	
3/4 - 1/2	1 8965

3/4" offset handle



8963

L mm	
415	1 8963

Increasing adaptor for 3/4" square drive and 1" sockets



9564

inch	
3/4 - 1	1 9564

3/4" extension bars



8961/8962

mm	
200	1 8961
400	1 8962

Spare parts kit for 3/4" ratchets 8950N, 8950N/A. 7pcs



8950NA-SO/2

	1 8950NA-SO/2

Spare parts kit for 3/4" ratchets 8952N, 8952N/A



744T01190



744T00000

744T

Square	Repair kit	
x		1 744T01190
	x	1 744T00000

## SOCKET SETS 3/4"

3/4" socket set, box of 15 pieces  
Hex sockets, metric sizes



8845NM

	1 8845NM

<b>8900SM</b>	
22 24 27 30 32 36 38 41 46 50 mm	
<b>8953</b>	
<b>8950N/A</b>	
<b>8954A</b>	
<b>8961</b>	
200 mm	
<b>8962</b>	
400 mm	

3/4" socket set, box of 15 pieces  
Bi-hex sockets, metric sizes



8845DM



1 8845DM

**8900DM**

19 22 24 27 30 32 36 41 46 50 mm

**8953**

**8950N/A**

**8954A**

**8961**

200 mm

**8962**

400 mm

3/4" socket set



8821MB



1 8821MB

**8900DM**

22, 23, 24, 26, 27, 28, 29, 30, 32, 34, 35, 36, 38, 41, 42, 46, 50 mm

**8950N/A**

**8961**

200 mm

**8962**

400 mm

**8954**

**8965**

**8966**

3/4" socket set, box of 24 pieces  
Bi-Hex sockets, metric sizes



8840M



1 8840M

**8900DM**

19 22 24 25 27 2830 32 36 41 46 50 55 60 mm

**8953**

**8950N/A**

**8954A**

**8961**

200 mm

**8962**

400 mm

**8951**

**8966**

**8964**

**8965**

**8958A**

## SOCKETS 1"

Standard length sockets, 1" square drive  
Hex profile, metric sizes



9500SM

mm	mm		
41	67x57x48	1	9500SM-41
46	71x63x48	1	9500SM-46
50	74x69x48	1	9500SM-50
54	78x74x48	1	9500SM-54
55	79x75x54	1	9500SM-55
58	82x79x54	1	9500SM-58
60	83x82x54	1	9500SM-60
63	85x86x54	1	9500SM-63
65	86x88x54	1	9500SM-65
67	89x90x54	1	9500SM-67
70	91x94x60	1	9500SM-70

mm	mm		
71	92x95x60	1	9500SM-71
75	95x101x60	1	9500SM-75
77	98x103x60	1	9500SM-77
80	101x108x60	1	9500SM-80
82	104x110x60	1	9500SM-82

## ACCESSORIES 1"

1" ratchet, reversible  
Consisting of ratchet head 9550AB and universal handle 9552AB



9551

mm

640



1 9551

1" ratchet head, reversible  
Together with universal handle 9552AB it completes the ratchet 9551



9550AB

mm

190



1 9550AB

1" universal handle  
For ratchet head 9550AB and sliding head 9555AB



9552AB

mm

508 mm



1 9552AB



1" universal joint



9566A

mm	
167	1 9566A

1" sliding T-handle

Consisting of sliding T-head 9555AB and universal handle 9552AB



9555

mm	
508	1 9555

1" sliding T-head

Together with universal handle 9550AB completes the sliding T-handle 9555



9555AB

mm	
78x78x78	1 9555AB

1" extension bars



9560AB/9563AB

mm	
200	1 9560AB
400	1 9563AB

Decreasing adaptor for 1" square drive and 1" sockets



9565AB

square	mm	
1"-3/4"	72	1 9565AB

Spare part set for 9551 and 9550AB ratchet 6pcs



9550AB-SO/1

1 9550AB-SO/1

SOCKET SETS 1"

1" socket set  
Metal case



9540MB

mm	
46-80	1 9540MB

9500SM

9550AB

9555

9560AB & 9563AB  
200 mm, 400 mm

1" socket set  
Metal case



9540MBL

mm	
46-80	1 9540MBL

9500SM

46 50 54 55 58 60 63 65 67 70 71 75 77 80 mm

9550AB

9555

9560AB & 9563AB

200 mm, 400 mm

9565AB

SOCKET SETS

1/4" deep socket set, 10 pcs



S0810L

4-13	20 S0810L

3/8" deep socket set, 14 pcs



S1214L

6-19	10 S1214L



1/2" deep socket set, 12 pcs



S1612L



10-21

4 S1612L

1/4" socket set, standard and deep. 37 pcs



SL25L



4-13

10 SL25L

1/4" Socket set  
29 pieces



S290

mm



280x160x70

6 S290

1/4" socket set  
24 pieces



SL24

mm



4-10

1 SL24

1/4" socket set  
16 pieces



S160

mm



280x160x70

6 S160

1/4" socket set  
46 pieces



S460

mm



4-13

6 S460

1/4" socket set  
25 pieces



SL25

mm



4-13

20 SL25

4-13

5 SBSL25

1/4" socket set  
16 pieces, inch sizes



S160AF

inch



1/8"-9/16"

1 S160AF

3/8" - 1/4" socket set  
34 pieces



S330

mm



10-22

6 S330

3/8" socket set  
34 pieces, inch sizes



S330AF

inch



1/4"-7/8"

6 S330AF

1/2" socket set  
24 pieces



S240

mm



375x215x100

4 S240

Pass-through socket set, 14 pcs



S140T

mm



10-24

10 S140T

3/8 socket set, standard and deep, 53 pcs



S330L



10-22

4 S330L

1/2" socket set  
23 pieces, inch sizes



S240AF

inch



3/8-1.1/4"

4 S240AF

Pass-through ratchet set, 3 pcs



S140T-R



10 S140T-R

3/8" Socket set  
38 pieces



S380

mm-inches



6-22mm 1/4-7/8"

4 S380

1/2" Sockets and combination spanners set  
40 pieces



S400

mm



10-32

2 S400

Pass-through socket set, 53 pcs



S530T



4 S530T

Socket sets 1/4", 1/2" + combination wrench  
92 pieces



S910

mm



1/4 = 4-13

2 S910

Socket sets 1/4", 1/2" + combination wrench  
106 pieces



S106

mm



375x430x110

2 S106

Socket set 1/4"-1/2", 41 pcs



S410

mm



375x320x110

2 S410

1/4" - 1/2" socket set, with combination spanners, 103  
pcs



S103



7-34

2 S103

1/2 + 1/4" socket set 108 pcs



S108

mm



375x430x110

2 S108

81 pcs 1/2 + 1/4" socket set with other tools



S81MIX

mm



375x430x110

2 S81MIX

Socket sets 1/4", 1/2" + combination wrench  
94 pieces



S87+7

mm



375x430x110

2 S87+7

1/4" and 1/2" sockets set , 56 pieces  
Bi-hex sockets



S560

mm



375x215x100

4 S560

1/2" + 1/4" socket set 77 pcs



S800



2 S800

Socket set, 1/4", 3/8", 1/2", 138 pcs



S138



2 S138

Case for set S160



S160-CASE

mm



280x160x70

1 S160-CASE

Case for set S330



S330-CASE



1 S330-CASE

3/4" socket set, 17 pieces  
Metric sizes



SLX 17

mm



105x430x370

1 SLX 17

Case for set S240



S240-CASE

mm



375x215x100

1 S240-CASE

Case for set S87+7



S87+7-CASE



5 S87+7-CASE

3/4 socket set, 17 pieces  
Inch sizes



SLX17AF

inch



430x380x70

1 SLX 17AF

Case for set S290



S290-CASE

mm



280x160x70

10 S290-CASE

Case for set S910



S910-CASE



1 S910-CASE





## Torque tools

---

## TORQUE TOOLS

### Torque wrenches with scale



7451/7851

Nm		
2-20 3/8	1	7451-20
10-60 3/8	1	7451-60
10-100 3/8	1	7451-100
10-100 1/2	1	7851-100
20-200 1/2	1	7851-200
70-340 1/2	1	7851-340

### Torque wrenches with scale, metal handle



7455

Nm	ft.lb.	
1-5	.74-3.7	1 7455-5
3-15	2.2-11.1	1 7455-15
4-20	3-14.8	1 7455-20
5-25	3.7-18.4	1 7455-25
10-60	7.4-44.3	1 7455-60
20-100	14.8-73.8	1 7455-100
40-200	29.5-147.5	1 7455-200
60-300	44.3-221.3	1 7455-300
60-340	44.3-221.3	1 7455-340
100-500	73.8-368.8	1 7455-500
150-800	110.6-590	1 7455-800
300-1500	221.3-1106	1 7455-1500
500-2500	368.8-1844	1 7455-2500

### Torque wrench with scale, metal handle



7456

ft.lb.	
10-80	1 7456-80LB

### Torque wrench with break-back 3/4"



8951-F-800

Nm	
200-800 3/4	1 8951-F-800

### Mechanical torque wrench



6852/7452/7852

Nm	
2-20	1 6852-20
10-100	1 7452-100
20-200	1 7852-200
70-340	1 7852-340

### Mechanical torque wrench with interchangeable head



8952F

Nm	
100-600	1 8952F

### Preset, mechanical torque wrenches



7452P/7852P

	1 7452P-20
	1 7452P-60
	1 7452P-100
	1 7852P-200A
10	7852P-340

### Reversible ratchet insert tool



6852/7452/7852/8952 -1

"	Connect	
1/4"	9x12	1 6852-1
3/8"	9x12	1 7452-1
1/2"	9x12	1 7452-2
1/2"	14x18	1 7852-1
3/4"	14x18	1 8952-1

### Flare nut insert tool 9x12 mm



7452-9

mm	
10	1 7452-9-10
11	1 7452-9-11
12	1 7452-9-12
13	1 7452-9-13
14	1 7452-9-14
16	1 7452-9-16
17	1 7452-9-17
18	1 7452-9-18
19	1 7452-9-19

### Ring insert tool



7452-8

mm	
7	1 7452-8-7
8	1 7452-8-8
10	1 7452-8-10
11	1 7452-8-11
12	1 7452-8-12
13	1 7452-8-13
14	1 7452-8-14
15	1 7452-8-15
17	1 7452-8-17
19	1 7452-8-19
22	1 7452-8-22



### Ring insert tool



#### 7852-8

mm	
13	1 7852-8-13
14	1 7852-8-14
15	1 7852-8-15
17	1 7852-8-17
19	1 7852-8-19
22	1 7852-8-22
24	1 7852-8-24
27	1 7852-8-27
30	1 7852-8-30
32	1 7852-8-32
36	1 7852-8-36
41	1 7852-8-41

### Welding insert tool



#### 7852-10

mm	
14x18	1 7852-10

### Open-end insert tool



#### 7852-7

mm	
13	1 7852-7-13
14	1 7852-7-14
15	1 7852-7-15
17	1 7852-7-17
18	1 7852-7-18
19	1 7852-7-19
22	1 7852-7-22
24	1 7852-7-24
27	1 7852-7-27
30	1 7852-7-30
32	1 7852-7-32
1/2	1 7852-7-1/2
9/16	1 7852-7-9/16
5/8	1 7852-7-5/8
11/16	1 7852-7-11/16
3/4	1 7852-7-3/4
13/16	1 7852-7-13/16
7/8	1 7852-7-7/8
15/16	1 7852-7-15/16
1	1 7852-7-1
Any	1 7852-7-1.1/8
1.1/4	1 7852-7-1.1/4

### Insert square drive 3/4"



#### 8952-3

Inch	
3/4"	1 8952-3

### Open-end insert tool



#### 7452-7

mm	
7	1 7452-7-7
8	1 7452-7-8
9	1 7452-7-9
10	1 7452-7-10
11	1 7452-7-11
12	1 7452-7-12
13	1 7452-7-13
14	1 7452-7-14
15	1 7452-7-15
16	1 7452-7-16
17	1 7452-7-17
18	1 7452-7-18
19	1 7452-7-19
1/4	1 7452-7-1/4
5/16	1 7452-7-5/16
3/8	1 7452-7-3/8
7/16	1 7452-7-7/16
1/2	1 7452-7-1/2
9/16	1 7452-7-9/16
5/8	1 7452-7-5/8
11/16	1 7452-7-11/16
3/4	1 7452-7-3/4

### Welding insert tool



#### 7452-10

mm	
9x12	1 7452-10

### Torque tool bit holder insert



#### 7452-6

"	
5/16	1 7452-6-5/16

Torque tools set, 17 pcs



6852-5/S17



1 6852-5/S17

<b>52H</b>	
PH 0, PH 1	
<b>51PZDSDVH</b>	
PZ 0, PZ 1	
<b>64TORX</b>	
T-5, T-6, T-7, T-8	
<b>55M</b>	
1.5, 2.0, 2.5	
<b>50K</b>	
0.6*4.5; 0.8*5.5	
<b>KM653-QR</b>	
<b>6852-5</b>	
<b>6700SM</b>	
4 mm	

Dial torque wrenches, double scale



7454

Nm		
0-3.5	1	7454-3
0-9	1	7454-9
0-18	1	7454-18
0-35	1	7454-35
0-70	1	7454-70
0-140	1	7454-140
0-240	1	7454-240
0-350	1	7454-350
0-480	1	7454-480
0-800	1	7454-800
0-1400	1	7454-1400
0-800	1	7454-800E
0-1400	1	7454-1400E

Electronic torque wrench, reversible ratchet head



IZO-D

Nm		
3-30 1/4	1	IZO-D-30
14-135 3/8	1	IZO-D-135
20-200 1/2	1	IZO-D-200
34-340 1/2	1	IZO-D-340

Electronic torque wrench, with fixed ratcheting ring spanner



IZO-DR

Nm		
81-810 - 3/4	1	IZO-DR-810

Electronic torque angle wrench



IZO-DAG

Nm		
14-135 3/8"	1	IZO-DAG-135

Electronic wrench, reversible ratchet head



IZO-DM

Nm		
3-30 - 1/4	1	IZO-DM-30
14-135 - 3/8	1	IZO-DM-135
20-200 - 1/2	1	IZO-DM-200
34-340 - 1/2	1	IZO-DM-340

Electronic wrench, fixed ratchet head



IZO-DRM

Nm		
81-810 - 3/4	1	IZO-DRM-810

Ergonomic torque screwdriver, fixed setting  
With TORX® and TORX Plus® blades

ergo®



BE-6990

Nm	T		
0,6	6	1	BE-6990-IP6
0,9	7	1	BE-6990-IP7
1,2	8	1	BE-6990-IP8
1,4	9	1	BE-6990-IP9
2,0	10	1	BE-6990-IP10
3,0	15	1	BE-6990-IP15

Spare blade for TORX® head screw



BE-6990TX-KL

Type			
T6	10	BE-6990TX-T6-KL	
T7	10	BE-6990TX-T7-KL	
T8	10	BE-6990TX-T8-KL	
T9	10	BE-6990TX-T9-KL	
T10	10	BE-6990TX-T10-KL	
T15	10	BE-6990TX-T15-KL	

Spare blade for TORX® plus head screws



BE-6990-IP-KL

Type			
IP6	10	BE-6990-IP6-KL	
IP7	10	BE-6990-IP7-KL	
IP8	10	BE-6990-IP8-KL	
IP9	10	BE-6990-IP9-KL	
IP10	10	BE-6990-IP10-KL	
IP15	10	BE-6990-IP15-KL	

ERGO™ torque screwdriver set



BE-6990-IPSET

	1	BE-6990-IPSET	

BE-6990-IP\_  
IP7, IP8, IP9, IP15

BE-6990TX-T-KL  
T7, T8, T9, T15

Preset torque screwdriver, fixed setting



BE-6990-IP20/25

Nm			
5.0	1	BE-6990-IP20	

Spare blade for TORX® head screw



BE-6990-IP20-KL

Type			
T20	10	BE-6990-IP20-KL	

Spare blade for TORX® head screws



BE-6990TX-T20KL

Type			
T20	10	BE-6990TX-T20KL	

Torque screwdriver with scale, adjustment ring



6973N-6978N

cNm			
10-80	1	6973N	
40-200	1	6976N	
50-450	1	6978N	

Torque screwdriver with dial indication



6881

cNm			
0-50 - 1/4	1	6881B	
0-100 - 1/4	1	6881D	

Torque calibration rig



6976E

Nm			
0,2-4 -1/4,3/8	1	6976E/1	
1-12 -1/4,3/8	1	6976E/2	

Torque screwdriver with scale, adjustment ring



6976AN

cNm		
20-120 +1/4	1	6976AN

Torque screwdriver with scale, adjustment ring



6976CN

Nm		
1-6 +1/4"	1	6976CN

Torque screwdriver with preset torque values



6976A

Nm		
2-135 - 1/4	1	6976A

Torque screwdriver with preset torque values



6975A

cNm		
2-22 - 1/4	1	6975A

Torque wrenches with preset torque value



6873N-6880N

cNm		
7-70	1	6876N
15-170	1	6878N
45-450	1	6880N

Torque screwdrivers with preset torque values  
1/4" female hexagon drive



BE-6990-AH

Drive	Nm	
1/4	0.5-15	1 BE-6990-AH

Preset torque handle



7453

Nm	Drive	
2-20	1/4 Hex fem	1 7453-20-6F
2-20	1/4 SQ male	1 7453-20-6
2-20	3/8 SQ male	1 7453-20-10

Torque wrench 5Nm



6852-5

Nm		
1-5 1/4	1	6852-5

Angle meter 1/2" magnet



7851-M/8951-M

Inch		
1/2"	1	7851-M
3/4"	1	8951-M

Angle meter 1/2" grip



7851-G

inch		
1/2"	1	7851-G

### Automotive torque multiplier



#### 8905-TM/9505-TM

Nm		
260-1300	1	8905-TM
540-2700	1	9505-TM

### Torque multiplier std



#### 9505/9605/9525/9625

Nm		
340-1700	1	9505-1700
680-3400	1	9505-3400
68-1700	1	9525-1700
136-3400	1	9525-3400
1200-6000	1	9605-6000
240-6000	1	9625-6000
380-9500	1	9625-9500

### Torque multiplier slim line



#### 8905S/9675S

Nm		
200-1000	1	8905S-1000
600-3000	1	9505S-3000
200-3000	1	9515S-3000
60-1500	1	9525S-1500
240-6000	1	9625S-6000
80-6000	1	9675S-6000

### Digital torque tester



#### DTT

Nm		
0,5-5	1	69DTT-5
10-100	1	74DTT-100
34-340	1	78DTT-340
80-800	1	89DTT-800

### Electronic torque and angle measuring adaptor



#### TAM

Nm		
1,5-30	1	TAM1430
6,8-135	1	TAM38135
6,8-135	1	TAM12135
10-200	1	TAM12200
17-340	1	TAM12340

### Electronic angle measuring adaptor with magnet



#### MAM

angle		
0-360	1	MAM50M







## Impact tools & bits

---

## IMPACT TOOLS 1/4"

Hexagon sockets, metric, 1/4"



K6701M

mm	
6	1 K6701M-6
7	1 K6701M-7
8	1 K6701M-8
9	1 K6701M-9
10	1 K6701M-10
11	1 K6701M-11
12	1 K6701M-12
13	1 K6701M-13
14	1 K6701M-14

Magnetic sockets, metric, 1/4"



KM6701M

mm	
7	1 KM6701M-7
8	1 KM6701M-8
10	1 KM6701M-10

Adaptor, hexagon bitholder, 1/4"



6972 H

inches	
1/4 - 1/4	5 6972H

Clamping spring



K560F-1

Square	
1/4	5 K560F-1

## IMPACT TOOLS 3/8"

Hexagon sockets, metric, 3/8"



K7401M

mm	
7	1 K7401M-7
8	1 K7401M-8
9	1 K7401M-9
10	1 K7401M-10
11	1 K7401M-11
12	1 K7401M-12
13	1 K7401M-13
14	1 K7401M-14
15	1 K7401M-15
16	1 K7401M-16
17	1 K7401M-17
18	1 K7401M-18
19	1 K7401M-19
20	1 K7401M-20
21	1 K7401M-21
22	1 K7401M-22
24	1 K7401M-24

Deep hexagon sockets, metric, 3/8"



K7406M

mm	
10	1 K7406M-10
13	1 K7406M-13
17	1 K7406M-17

Extension 3/8"



K7760C

mm	
75	1 K7760C-1
150	1 K7760C-2

Ball joint, 3/8"



K7767S

inches	
3/8 - 3/8	1 K7767S

Adaptor, 3/8" to 1/2"



K6964C/K8164C

inches	
3/8 - 1/4	1 K6964C
3/8 - 1/2	1 K8164C

### Adaptors, 3/8" hexagon bit holders



7407H / 7408H

#### 7407H-7409H

inches	
1/4 - 3/8	1 7407H
5/16 - 3/8	1 7408H
11 mm - 3/8	1 7409H

### Clamping spring



#### K560F-2/3

mm	
7-12 - 3/8	5 K560F-2
13-24 - 3/8	5 K560F-3

### IMPACT TOOLS 1/2"

#### Hexagon sockets, metric, 1/2"



#### K7801M

mm	
8	1 K7801M-8
9	1 K7801M-9
10	1 K7801M-10
11	1 K7801M-11
12	1 K7801M-12
13	1 K7801M-13

mm	
14	1 K7801M-14
15	1 K7801M-15
16	1 K7801M-16
17	1 K7801M-17
18	1 K7801M-18
19	1 K7801M-19
20	1 K7801M-20
21	1 K7801M-21
22	1 K7801M-22
23	1 K7801M-23
24	1 K7801M-24
25	1 K7801M-25
26	1 K7801M-26
27	1 K7801M-27
30	1 K7801M-30
32	1 K7801M-32
34	1 K7801M-34
36	1 K7801M-36

#### Hexagon sockets, metric, 1/2"



#### K7801VM

mm	
17	1 K7801VM-17
19	1 K7801VM-19
22	1 K7801VM-22
24	1 K7801VM-24

#### Hexagon socket set, metric, 1/2"



#### K7801VM/S4

mm	
	1 K7801VM/S4

**K7801VM**  
17, 19, 22, 24 mm

### Hexagon socket set, metric, 1/2"



D/S10

D/	mm	mm	
280x160x70	10-19	6	D/S10
280x160x70	10-27	6	D/S14

#### D/S10

10,11,12,13,14,15,16,17,18,19 mm

#### D/S14

10,11,12,13,14,15,16,17,18,19,21,22,24,27 mm

#### Deep hexagon sockets, metric, 1/2"



#### K7806M

mm	
10	1 K7806M-10
11	1 K7806M-11
12	1 K7806M-12
13	1 K7806M-13
14	1 K7806M-14
16	1 K7806M-16
17	1 K7806M-17
18	1 K7806M-18
19	1 K7806M-19
21	1 K7806M-21
22	1 K7806M-22
23	1 K7806M-23
24	1 K7806M-24
27	1 K7806M-27
30	1 K7806M-30
32	1 K7806M-32
36	1 K7806M-36

### Deep socket sets, 1/2"



#### K7806M/S4



1 K7806M/S4

#### K7806M

17,19,22,24 mm

### Deep hexagon socket set, metric, 1/2"



#### DD/

mm	mm		
280x160x70	10-19	6	DD/S10
375x215x100	10-27	4	DD/S14

#### DD/S10

10,11,12,13,14,15,16,17,18,19 mm

#### DD/S14

10,11,12,13,14,15,16,17,18,19,21,22,24,27 mm

### Deep end standard socket set, metric, 1/2"



#### D-DD/

mm			
375x215x100	4	D-DD/S20	

#### DD/S10

10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

### Hexagon sockets, metric, 1/2"



#### K7801Z

inch		
3/8	1	K7801Z-3/8
7/16	1	K7801Z-7/16
1/2	1	K7801Z-1/2
9/16	1	K7801Z-9/16
5/8	1	K7801Z-5/8
11/16	1	K7801Z-11/16
3/4	1	K7801Z-3/4
13/16	1	K7801Z-13/16
7/8	1	K7801Z-7/8
15/16	1	K7801Z-15/16
1	1	K7801Z-1
1.1/16	1	K7801Z-1.1/16
1.1/8	1	K7801Z-1.1/8
1.1/4	1	K7801Z-1.1/4
1.5/16	5	K7801Z-1.5/16
1.3/8	5	K7801Z-1.3/8
1.7/16	5	K7801Z-1.7/16
1.1/2	5	K7801Z-1.1/2

### Deep hexagon sockets, inch, 1/2"



#### K7806Z

inches		
3/8	10	K7806Z-3/8
7/16	10	K7806Z-7/16
1/2	10	K7806Z-1/2
9/16	10	K7806Z-9/16
5/8	5	K7806Z-5/8
11/16	5	K7806Z-11/16
3/4	5	K7806Z-3/4
13/16	5	K7806Z-13/16
7/8	5	K7806Z-7/8
15/16	5	K7806Z-15/16
1	5	K7806Z-1
1.1/16	5	K7806Z-1.1/16
1.1/8	5	K7806Z-1.1/8
1.1/4	5	K7806Z-1.1/4
1.5/16	5	K7806Z-1.5/16
1.3/8	5	K7806Z-1.3/8
1.7/16	5	K7806Z-1.7/16
1.1/2	5	K7806Z-1.1/2

### Impact hexagon socket set, inch, 1/2"



#### K7801Z/10

Inch	mm		
7/16" - 1"	90x220x110	1	K7801Z/10

#### K7801Z

7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1

### Deep socket set, inch, 1/2"



#### K7806Z/10

Inch	mm		
7/16" - 1"	90x220x110	1	K7806Z/10

#### K7806Z

7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1

### TORX® sockets, 1/2"



#### K7801TORX-E

T		
E10	1	K7801TORX-E10
E12	1	K7801TORX-E12
E14	1	K7801TORX-E14
E16	1	K7801TORX-E16
E18	1	K7801TORX-E18
E20	1	K7801TORX-E20
E24	1	K7801TORX-E24

Extension, 1/2"



K8160D

mm	
50	1 K8160D-1
125	1 K8160D-2
250	1 K8160D-3

Ball joint, 1/2"



K8167S

inches	
1/2 - 1/2	1 K8167S

Adaptor, 1/2" to 3/4"



K7764D/K8964D

inches	
1/2 - 3/8	1 K7764D
1/2 - 3/4	1 K8964D

Bit holding adaptor, male, 11 mm



7807H-7809H

inches	
1/4 - 1/2	1 7807H
5/16 - 1/2	1 7808H
11 mm - 1/2	1 7809H

Clamping spring



K560F-4/5

mm	
10-14	5 K560F-4
15-32	5 K560F-5

Hexagon socket driver, 1/2"



7993S

Hex	
5	1 7993S0050
6	1 7993S0060
8	1 7993S0080
10	1 7993S0100
12	1 7993S0120
14	1 7993S0140
17	1 7993S0170
19	1 7993S0190

TORX® bit socket driver, 1/2"



7994S

Size	
T-30	1 7994S0300
T-40	1 7994S0400
T-45	1 7994S0450
T-50	1 7994S0500
T-55	1 7994S0550
T-60	1 7994S0600

IMPACT TOOLS 3/4"

Hexagon sockets, metric, 3/4"



K8901M

mm	
17	1 K8901M-17
18	1 K8901M-18
19	1 K8901M-19
21	1 K8901M-21
22	1 K8901M-22
23	1 K8901M-23
24	1 K8901M-24
27	1 K8901M-27
28	1 K8901M-28
29	1 K8901M-29
30	1 K8901M-30
32	1 K8901M-32
33	1 K8901M-33
34	1 K8901M-34
36	1 K8901M-36
38	1 K8901M-38
41	1 K8901M-41
46	1 K8901M-46
50	1 K8901M-50
55	1 K8901M-55
60	1 K8901M-60

Hexagon sockets, inch, 3/4"



K8901Z

inch		
11/16	1	K8901Z-11/16
3/4	1	K8901Z-3/4
13/16	1	K8901Z-13/16
7/8	1	K8901Z-7/8
15/16	1	K8901Z-15/16
1	1	K8901Z-1
1.1/16	1	K8901Z-1.1/16
1.1/8	1	K8901Z-1.1/8
1.3/16	1	K8901Z-1.3/16
1.1/4	1	K8901Z-1.1/4
1.5/16	1	K8901Z-1.5/16
1.3/8	1	K8901Z-1.3/8
1.7/16	1	K8901Z-1.7/16
1.1/2	1	K8901Z-1.1/2
1.5/8	1	K8901Z-1.5/8
1.11/16	1	K8901Z-1.11/16
1.3/4	1	K8901Z-1.3/4
1.7/8	1	K8901Z-1.7/8
1.15/16	1	K8901Z-1.15/16
2	1	K8901Z-2
2.1/16	1	K8901Z-2.1/16
2.3/16	1	K8901Z-2.3/16
2.1/4	1	K8901Z-2.1/4
2.3/8	1	K8901Z-2.3/8

Deep hexagon sockets, metric, 3/4"



K8906M

mm		
17	1	K8906M-17
19	1	K8906M-19
21	1	K8906M-21
22	1	K8906M-22
24	1	K8906M-24
27	1	K8906M-27
30	1	K8906M-30
32	1	K8906M-32
33	1	K8906M-33
34	1	K8906M-34
36	1	K8906M-36
41	1	K8906M-41
46	1	K8906M-46

Deep hexagon sockets, inch, 3/4"



K8906Z

inches		
3/4	1	K8906Z-3/4
13/16	1	K8906Z-13/16
7/8	1	K8906Z-7/8
15/16	1	K8906Z-15/16
1	1	K8906Z-1
1 1/16	1	K8906Z-1.1/16
1 1/8	1	K8906Z-1.1/8
1 1/4	1	K8906Z-1.1/4
1 5/16	1	K8906Z-1.5/16
1 3/8	1	K8906Z-1.3/8
1 7/16	1	K8906Z-1.7/16
1 1/2	1	K8906Z-1.1/2
1 5/8	1	K8906Z-1.5/8
1 3/4	1	K8906Z-1.3/4
2	1	K8906Z-2

Impact socket set 3/4" drive, metric



K8901M/8

mm	mm	
21-41	110x250x125	1 K8901M/8

**K8901M**  
21,22,24,27,30,32,36,41 mm

Impact socket set 3/4" drive, inch



K8901Z/8

Inch	mm	
1" - 1.1/2"	110x250x125	1 K8901Z/8

**K8901Z**  
1,1.1/16,1.1/8,1.1/4,1.5/16,1.3/8,1.7/16,1.1/2

Deep impact socket set 3/4" drive, metric



K8906M/8

mm	mm	
21-41	110x250x125	1 K8906M/8

**K8906M**  
21,22,24,27,30,32,36,41 mm

Deep impact socket set 3/4" drive, inch



K8906Z/8

Inch	mm	
1" - 1.1/2"	110x250x125	1 K8906Z/8

**K8906Z**  
1,1.1/16,1.1/8,1.1/4,1.5/16,1.3/8,1.7/16,1.1/2

Extension 3/4"



K8960F

mm		
175	1	K8960F-2
250	1	K8960F-3
325	10	K8960F-4



Ball joint 3/4"



K8967S

inches



3/4 - 3/4

1 K8967S

Adaptor, 3/4" to 1"



K8164F/K9564F

inches



3/4 - 1/2

1 K8164F

3/4 - 1

1 K9564F

Adaptor, hexagon bit holder male 22 mm



K8909H

mm-inches



22 mm - 3/4

1 K8909H-5

Hexagonal tip socket driver, 3/4"



7993T

Hex.



12

1 7993T0120

14

1 7993T0140

17

1 7993T0170

19

1 7993T0190

22

1 7993T0220

24

1 7993T0240

Clamping spring



K560F-6

mm



17-46

5 K560F-6

IMPACT TOOLS 1"

Hexagon sockets, metric, 1"



K9501M

mm



22

1 K9501M-22

24

1 K9501M-24

27

1 K9501M-27

mm



30

1 K9501M-30

32

1 K9501M-32

33

1 K9501M-33

34

1 K9501M-34

36

1 K9501M-36

38

1 K9501M-38

41

1 K9501M-41

42

1 K9501M-42

46

1 K9501M-46

50

1 K9501M-50

55

1 K9501M-55

60

1 K9501M-60

65

1 K9501M-65

70

1 K9501M-70

75

1 K9501M-75

80

1 K9501M-80

Hexagon sockets, inch, 1"



K9501Z

inch



1

1 K9501Z-1

1.1/16

1 K9501Z-1.1/16

1.1/8

1 K9501Z-1.1/8

1.3/16

1 K9501Z-1.3/16

1.1/4

1 K9501Z-1.1/4

1.5/16

1 K9501Z-1.5/16

1.3/8

1 K9501Z-1.3/8

1.7/16

1 K9501Z-1.7/16

1.1/2

1 K9501Z-1.1/2

1.9/16

1 K9501Z-1.9/16

1.5/8

1 K9501Z-1.5/8

1.11/16

1 K9501Z-1.11/16

1.3/4

1 K9501Z-1.3/4

1.13/16

1 K9501Z-1.13/16

1.7/8

1 K9501Z-1.7/8

1.15/16

1 K9501Z-1.15/16

2

1 K9501Z-2

2.1/8

1 K9501Z-2.1/8

2.3/16

1 K9501Z-2.3/16

2.1/4

1 K9501Z-2.1/4

2.5/16

1 K9501Z-2.5/16

2.9/16

1 K9501Z-2.9/16

2.3/4

1 K9501Z-2.3/4

Deep hexagon sockets, metric, 1"



K9506M

mm	
22	1 K9506M-22
24	1 K9506M-24
27	1 K9506M-27
30	1 K9506M-30
32	1 K9506M-32
33	1 K9506M-33
34	1 K9506M-34
36	1 K9506M-36
38	1 K9506M-38
41	1 K9506M-41
46	1 K9506M-46
50	1 K9506M-50
55	1 K9506M-55
60	1 K9506M-60

Deep sockets, inch, 1"



K9506Z

Inch	
1	1 K9506Z-1
1.1/16	1 K9506Z-1.1/16
1.3/16	1 K9506Z-1.3/16
1.1/4	1 K9506Z-1.1/4
1.7/16	1 K9506Z-1.7/16
1.1/2	1 K9506Z-1.1/2
1.5/8	1 K9506Z-1.5/8
1.13/16	1 K9506Z-1.13/16
1.7/8	1 K9506Z-1.7/8

Extension 1"



K9560G

mm	
125	1 K9560G-1
175	1 K9560G-2
250	1 K9560G-3
300	6 K9560G-4
400	1 K9560G-5

Ball joint 1"



K9567S

inch	
1 - 1	1 K9567S

Adaptors of 1" to 3/4" and 1 1/2"



K8964G/K9895G

inch	
1 - 3/4	1 K8964G
1 - 1.1/2	1 K9895G

Adaptor, hexagon bit holder male 22 mm



K9509H5

mm-inch	
22 mm - 1	1 K9509H5

Hexagonal tip socket driver, metric, 1"



7993M

Hex.	
17	1 7993M0170
19	1 7993M0190
22	1 7993M0220
27	1 7993M0270

Adaptor, hexagon bit holder male, metric, 22 mm



K8909ML/K9509ML

mm	
12	1 K8909ML-12
14	1 K8909ML-14
17	1 K8909ML-17
19	1 K9509ML-19
22	1 K9509ML-22
24	1 K9509ML-24

Clamping spring



K560F-7/8

mm	
19-70	5 K560F-7
75-80	5 K560F-8

## IMPACT TOOLS 1 1/2"

Hexagon sockets, metric, 1 1/2"



K9801M

mm		
46	1	K9801M-46
50	1	K9801M-50
55	1	K9801M-55
60	1	K9801M-60
65	1	K9801M-65
70	1	K9801M-70
75	1	K9801M-75
80	1	K9801M-80
85	1	K9801M-85
90	1	K9801M-90
95	1	K9801M-95
100	1	K9801M-100
105	1	K9801M-105
110	1	K9801M-110
115	1	K9801M-115
120	1	K9801M-120
125	1	K9801M-125
130	1	K9801M-130
135	1	K9801M-135
140	1	K9801M-140
145	1	K9801M-145
150	1	K9801M-150
155	1	K9801M-155

Hexagon sockets, inch, 1 1/2"  
Manufactured on demand



K9801Z

Inch		
1.3/8	1	K9801Z-1.3/8
1.7/16	1	K9801Z-1.7/16
1.1/2	1	K9801Z-1.1/2
1.9/16	1	K9801Z-1.9/16
1.5/8	1	K9801Z-1.5/8
1.11/16	1	K9801Z-1.11/16
1.3/4	1	K9801Z-1.3/4
1.13/16	1	K9801Z-1.13/16
1.7/8	1	K9801Z-1.7/8
1.15/16	1	K9801Z-1.15/16
2	1	K9801Z-2

Inch		
2.1/16	1	K9801Z-2.1/16
2.1/8	1	K9801Z-2.1/8
2.3/16	1	K9801Z-2.3/16
2.1/4	1	K9801Z-2.1/4
2.5/16	1	K9801Z-2.5/16
2.3/8	1	K9801Z-2.3/8
2.7/16	1	K9801Z-2.7/16
2.1/2	1	K9801Z-2.1/2
2.9/16	1	K9801Z-2.9/16
2.5/8	1	K9801Z-2.5/8
2.11/16	1	K9801Z-2.11/16
2.3/4	1	K9801Z-2.3/4
2.13/16	1	K9801Z-2.13/16
2.7/8	1	K9801Z-2.7/8
2.15/16	1	K9801Z-2.15/16
3	1	K9801Z-3
3.1/16	1	K9801Z-3.1/16
3.1/8	1	K9801Z-3.1/8
3.1/4	1	K9801Z-3.1/4
3.5/16	1	K9801Z-3.5/16
3.3/8	1	K9801Z-3.3/8
3.7/16	1	K9801Z-3.7/16
3.1/2	1	K9801Z-3.1/2
3.9/16	1	K9801Z-3.9/16
3.5/8	1	K9801Z-3.5/8
3.11/16	1	K9801Z-3.11/16
3.3/4	1	K9801Z-3.3/4
3.13/16	1	K9801Z-3.13/16
3.7/8	1	K9801Z-3.7/8
3.15/16	1	K9801Z-3.15/16
4	1	K9801Z-4
4.1/16	1	K9801Z-4.1/16
4.1/8	1	K9801Z-4.1/8
4.1/4	1	K9801Z-4.1/4
4.5/16	1	K9801Z-4.5/16
4.3/8	1	K9801Z-4.3/8
4.7/16	1	K9801Z-4.7/16
4.1/2	1	K9801Z-4.1/2
4.5/8	1	K9801Z-4.5/8
4.3/4	1	K9801Z-4.3/4

Deep hexagon sockets, metric, 1 1/2"  
Manufactured on demand



K9806M

mm		
41	1	K9806M-41
46	1	K9806M-46
50	1	K9806M-50
55	1	K9806M-55
60	1	K9806M-60
65	1	K9806M-65
70	1	K9806M-70
75	1	K9806M-75
80	1	K9806M-80
85	1	K9806M-85
90	1	K9806M-90
95	1	K9806M-95
100	1	K9806M-100

mm		
105	1	K9806M-105
110	1	K9806M-110
115	1	K9806M-115
120	1	K9806M-120

Deep hexagon sockets, inch, 1 1/2"  
Manufactured on demand



K9806Z

Inch		
1.3/8	1	K9806Z-1.3/8
1.7/16	1	K9806Z-1.7/16
1.1/2	1	K9806Z-1.1/2
1.5/8	1	K9806Z-1.5/8
1.11/16	1	K9806Z-1.11/16
2	1	K9806Z-2
2.1/16	1	K9806Z-2.1/16
2.3/16	1	K9806Z-2.3/16
2.1/4	1	K9806Z-2.1/4
2.5/16	1	K9806Z-2.5/16
2.3/8	1	K9806Z-2.3/8
2.7/16	1	K9806Z-2.7/16
2.1/2	1	K9806Z-2.1/2
2.9/16	1	K9806Z-2.9/16
2.5/8	1	K9806Z-2.5/8
2.11/16	1	K9806Z-2.11/16
2.3/4	1	K9806Z-2.3/4
2.13/16	1	K9806Z-2.13/16
2.7/8	1	K9806Z-2.7/8
2.15/16	1	K9806Z-2.15/16
3	1	K9806Z-3
3.1/16	1	K9806Z-3.1/16
3.1/8	1	K9806Z-3.1/8
3.3/16	1	K9806Z-3.3/16
3.1/4	1	K9806Z-3.1/4
3.5/16	1	K9806Z-3.5/16
3.3/8	1	K9806Z-3.3/8
3.7/16	1	K9806Z-3.7/16
3.1/2	1	K9806Z-3.1/2
3.9/16	1	K9806Z-3.9/16
3.5/8	1	K9806Z-3.5/8
3.11/16	1	K9806Z-3.11/16
3.3/4	1	K9806Z-3.3/4
3.13/16	1	K9806Z-3.13/16
3.7/8	1	K9806Z-3.7/8
3.15/16	1	K9806Z-3.15/16
4	1	K9806Z-4
4.1/16	1	K9806Z-4.1/16
4.1/8	1	K9806Z-4.1/8
4.1/4	1	K9806Z-4.1/4
4.5/16	1	K9806Z-4.5/16
4.3/8	1	K9806Z-4.3/8
4.1/2	1	K9806Z-4.1/2
4.5/8	1	K9806Z-4.5/8
4.3/4	1	K9806Z-4.3/4

Extensions, 1 1/2"



K9860H

mm		
1.1/2"x200	1	K9860H-1
1.1/2"x300	1	K9860H-2
1.1/2"x400	1	K9860H-3

Impact ball joint, 1 1/2"



K9867S

mm		
1.5-1.5	1	K9867S

Adaptors of 1 1/2" to 1" and 2 1/2"



K9598H/K9998H

inches		
1 - 1 1/2	1	K9598H
2 1/2-1.1/2	1	K9998H
1.1/2-2.1/2	1	K9899H

Clamping spring



K560F-9

mm		
95-120	5	K560F-9

DIAMOND TORSION BITS 1/4"

Diamond bit for Phillips head screws



63D/PH

PH	pcs	
1	5	1 63D/PH1
2	5	1 63D/PH2
3	5	1 63D/PH3

Diamond bit for Phillips screws, 25 mm, 2 pce blister pack



63D/PH 2P

PH		
1	1	63D/PH1-2P
2	1	63D/PH2-2P

Diamond bit for Phillips dry wall head screws, 25 mm



63D/PH2G

PH	pcs	
PH2G	5	1 63D/PH2G

Diamond bit for Phillips dry wall screws, 25 mm, 2 pce blister pack



63D/PH2G-2P

PH		
PH2G	1	63D/PH2G-2P

Diamond bit for Phillips screws, 50 mm



63D/50PH

PH	pcs	
1	5	1 63D/50PH1
2	5	1 63D/50PH2
3	5	1 63D/50PH3

Diamond bit for Pozidriv head screws, 25 mm



63D/PZ

PZ	pcs		
1	5	1	63D/PZ1
2	5	1	63D/PZ2
3	5	1	63D/PZ3

Diamond bit for TORX® head screws, 25 mm



63D/T

T	pcs		
T10	5	1	63D/T10
T15	5	1	63D/T15
T20	5	1	63D/T20
T25	5	1	63D/T25
T30	5	1	63D/T30
T40	5	1	63D/T40

Tin bit for Phillips head screws, 50 mm



62TIN/50PH

PH	pcs		
1	5	1	62TIN/50PH1
2	5	1	62TIN/50PH2
3	5	1	62TIN/50PH3

Diamond bit, for Pozidriv screws, 25 mm, blister pack



63D/PZ 2P

PZ			
1		1	63D/PZ1-2P
2		1	63D/PZ2-2P

Diamond bit for TORX® screws, 25 mm, 2 pce blister pack



63D/T 2P

T			
T15		1	63D/T15-2P
T20		1	63D/T20-2P
T25		1	63D/T25-2P

Tin bit for Pozidriv head screws, 25 mm



62TIN/PZ

PZ	pcs		
1	10	1	62TIN/PZ1
2	10	1	62TIN/PZ2
3	10	1	62TIN/PZ3

Diamond bit for Pozidriv screws, 50 mm



63D/50PZ

PZ	pcs		
1	5	1	63D/50PZ1
2	5	1	63D/50PZ2
3	5	1	63D/50PZ3

### TIN TORSION BITS 1/4"

Tin bit for Phillips head screws, 25 mm



62TIN/PH

PH			
1		1	62TIN/PH1
2		1	62TIN/PH2
3		1	62TIN/PH3

Tin bit for Pozidriv screws, 25 mm, 2 pce blister pack



62TIN/PZ 2P

PZ			
1		1	62TIN/PZ1-2P
2		1	62TIN/PZ2-2P
3		1	62TIN/PZ3-2P

Tin bit for Pozidriv head screws, 50 mm



62TIN/50PZ

PZ	pcs	
1	5	1 62TIN/50PZ1
2	5	1 62TIN/50PZ2
3	5	1 62TIN/50PZ3

Tin bit for TORX® head screws, 25 mm



62TIN/T

T	pcs	
T10	10	1 62TIN/T10
T15	10	1 62TIN/T15
T20	10	1 62TIN/T20
T25	10	1 62TIN/T25
T30	10	1 62TIN/T30
T40	10	1 62TIN/T40

## TORSION BITS 1/4"

Torsion bit for Phillips head screws, 25 mm



60T/PH

PH	pcs	
1	10	1 60T/PH1
2	10	1 60T/PH2
3	10	1 60T/PH3

Torsion bit for Phillips head screws, 25 mm, 2 pce blister pack



60T/PH 2P

PH	
1	1 60T/PH1-2P
2	1 60T/PH2-2P
3	1 60T/PH3-2P

Torsion bit for Pozidriv head screws, 25 mm



60T/PZ

PZ	pcs	
1	10	1 60T/PZ1
2	10	1 60T/PZ2
3	10	1 60T/PZ3

Torsion bit for Pozidriv head screws, 25 mm, 2 pce blister pack



60T/PZ 2P

PZ	
1	1 60T/PZ1-2P
2	1 60T/PZ2-2P
3	1 60T/PZ3-2P

Torsion bit for TORX® head screws, 25 mm



60T/T

T	pcs	
T7	10	1 60T/T7
T8	10	1 60T/T8
T9	10	1 60T/T9
T10	10	1 60T/T10
T15	10	1 60T/T15
T20	10	1 60T/T20
T25	10	1 60T/T25
T27	10	1 60T/T27
T30	10	1 60T/T30
T40	10	1 60T/T40

Torsion bit for TORX® head screws, 25 mm, 2 pc blister pack



60T/T 2P

T	
T10	1 60T/T10-2P
T15	1 60T/T15-2P
T20	1 60T/T20-2P
T25	1 60T/T25-2P
T30	1 60T/T30-2P
T40	1 60T/T40-2P



## EXTRA HARD TORSION BITS 1/4"

Extra hard bit for Phillips head screws, 25 mm



### 61H/PH

PH	pcs		
1	10	1	61H/PH1
2	10	1	61H/PH2
3	5	1	61H/PH3

Extra hard bit for Phillips screws, 25 mm, 2 pce blister pack




### 61H/PH 2P

PH	pcs		
2		1	61H/PH2-2P

Extra hard bit for Phillips head screws, 50 mm





### 61H/50PH

PH	pcs		
1	5	1	61H/50PH1
2	5	1	61H/50PH2
3	5	1	61H/50PH3

Extra hard bit for Pozidriv head screws, 25 mm



### 61H/PZ

PZ	pcs		
1	10	1	61H/PZ1
2	10	1	61H/PZ2
3	5	1	61H/PZ3

Extra hard bit for Pozidriv screws, 25 mm, 2 pce blister pack



### 61H/PZ 2P

PZ	pcs		
2		1	61H/PZ2-2P

Extra hard bit for Pozidriv head screws, 50 mm





### 61H/50PZ

PZ	pcs		
1	5	1	61H/50PZ1
2	5	1	61H/50PZ2
3	5	1	61H/50PZ3

Extra hard bit for TORX® head screws, 25 mm





### 61H/T

T	pcs		
T10	10	1	61H/T10
T15	10	1	61H/T15
T20	10	1	61H/T20
T25	10	1	61H/T25
T30	10	1	61H/T30
T40	5	1	61H/T40

Extra hard bit for TORX® head screws, 50 mm



### 61H/50T

T	pcs		
T10	5	1	61H/50T10
T15	5	1	61H/50T15
T20	5	1	61H/50T20
T25	5	1	61H/50T25
T30	5	1	61H/50T30
T40	5	1	61H/50T40

## ACR TORSION BITS 1/4"

ACR bit for Phillips head screws, 25 mm



### 64A/PH

PH	pcs		
1	10	1	64A/PH1
2	10	1	64A/PH2
3	10	1	64A/PH3

ACR bit for Phillips screw 25 mm, 2 pce blister pack



64A/PH 2P

PH		
1	1	64A/PH1-2P
2	1	64A/PH2-2P
3	1	64A/PH3-2P

ACR bit for Pozidriv head screws, 25 mm



64A/PZ

PZ	pcs	
1	10	1 64A/PZ1
2	10	1 64A/PZ2
3	10	1 64A/PZ3

ACR bit for Pozidriv screws, 25 mm, 2 pce blister pack



64A/PZ 2P

PZ		
1	1	64A/PZ1-2P
2	1	64A/PZ2-2P
3	1	64A/PZ3-2P

## STAINLESS STEEL TORSION BITS 1/4"

Stainless steel bit for Phillips head screws, 25 mm



65I/PH

PH	pcs	
1	10	1 65I/PH1
2	10	1 65I/PH2
3	10	1 65I/PH3

Stainless steel bit for Phillips screws, 25 mm, 2 pce blister pack



65I/PH 2P

PH		
1	1	65I/PH1-2P
2	1	65I/PH2-2P
3	1	65I/PH3-2P

Stainless steel bit for Pozidriv head screws, 25 mm



65I/PZ

PZ	pcs	
1	10	1 65I/PZ1
2	10	1 65I/PZ2
3	10	1 65I/PZ3

Stainless steel bit for Pozidriv screws, 25 mm, 2 pce blister pack



65I/PZ 2P

PZ		
1	1	65I/PZ1-2P
2	1	65I/PZ2-2P
3	1	65I/PZ3-2P

Stainless steel bit for TORX® head screws



65I/T

T	pcs	
T10	5	1 65I/T10
T15	5	1 65I/T15
T20	5	1 65I/T20
T25	5	1 65I/T25
T30	5	1 65I/T30
T40	5	1 65I/T40

Stainless steel bit for TORX® screws, 25 mm, pce set



65I/T 2P

T		
T10	1	65I/T10-2P
T15	1	65I/T15-2P
T20	1	65I/T20-2P
T25	1	65I/T25-2P
T30	1	65I/T30-2P
T40	1	65I/T40-2P

## STANDARD BITS 1/4"

High performance alloy steel bit for slotted screws, 25 mm



mm	pcs		
3.0x0.5	10	1	59S/0.5-3.0
4.0x0.5	10	1	59S/0.5-4.0
3.5x0.6	10	1	59S/0.6-3.5
4.5x0.6	10	1	59S/0.6-4.5
5.5x0.8	10	1	59S/0.8-5.5
5.5x1.0	10	1	59S/1.0-5.5
6.5x1.2	10	1	59S/1.2-6.5
8.0x1.2	10	1	59S/1.2-8.0
10x1.6	10	1	59S/1.6-10
9.0x1.6	10	1	59S/1.6-9.0

Bits for slotted screws, 25 mm, 3 pce blister pack



mm		
4.5x0.6	1	59S/0.6-4.5-3P
5.5x0.8	1	59S/0.8-5.5-3P

High performance alloy steel bit for slotted screws, 50 mm



mm	pcs		
3.5x0.6	5	1	59S/50/0.6-3.5
4.0x0.8	5	1	59S/50/0.8-4.0
5.5x0.8	5	1	59S/50/0.8-5.5
6.0x1.0	5	1	59S/50/1.0-6.0
6.5x1.2	5	1	59S/50/1.2-6.5

Bits for Phillips head screws, 25mm, in plastic box of 10pcs  
\*available in Industrial pack of 100 (-IP) and 500 (-IPB) pcs



PH	pcs		
0	10	1	59S/PH0
1	10	1	59S/PH1
1*	100	100	59S/PH1-IP
1	500	500	59S/PH1-IPB
2	10	1	59S/PH2
2*	100	100	59S/PH2-IP
2*	500	500	59S/PH2-IPB
3	10	1	59S/PH3
3	500	500	59S/PH3-IPB
4	10	1	59S/PH4

High performance alloy steel bit for Phillips screws, 25 mm, 3 pce blister pack



PH		
1	1	59S/PH1-3P
2	1	59S/PH2-3P
3	1	59S/PH3-3P

High performance alloy steel bit for Phillips screws, 25 mm, 30 pcs in plastic box



PH		
1	1	59S/PH1-30P
2	1	59S/PH2-30P
3	1	59S/PH3-30P

Bit for Phillips head screws, 50 mm



PH	pcs		
1	5	1	59S/50PH1
2	5	1	59S/50PH2
3	5	1	59S/50PH3

High performance alloy steel bit for Phillips screws, 50 mm, 2 pce blister pack



PH		
1	1	59S/50PH1-2P
2	1	59S/50PH2-2P
3	1	59S/50PH3-2P

Bit for Phillips head screws, 70mm, in plastic box of 5pcs



PH	pcs		
1	5	1	59S/70PH1
2	5	1	59S/70PH2

Bit for Phillips head screws, 125mm, in plastic bag of 5pcs



59S/125PH

PH	pcs	
1	5	1 59S/125PH1
2	5	1 59S/125PH2
3	5	1 59S/125PH3

High performance alloy steel bit for Phillips drywall head screws, 25 mm



59S/PH2G

PH	pcs	
2G	10	1 59S/PH2G

High performance alloy steel bit for Phillips screws, 25 mm, 30 pcs in plastic box



59S/PH2G-30P

PH		
PH2G	1	59S/PH2G-30P

High performance alloy steel bit for Pozidriv screws, 25 mm  
\*Available in industrial pack of 100 (-IP) and 500 pcs (-IPB)



59S/PZ

PZ	pcs	
0	10	1 59S/PZ0
1	10	1 59S/PZ1
1*	100	100 59S/PZ1-IP
1*	500	500 59S/PZ1-IPB
2	10	1 59S/PZ2
2*	100	100 59S/PZ2-IP
2*	500	500 59S/PZ2-IPB
3	10	1 59S/PZ3
3	500	500 59S/PZ3-IPB
4	10	1 59S/PZ4

High performance alloy steel bit for Pozidriv screws, 25 mm, 3 pce blister pack



59S/PZ 3P

PZ		
1	1	59S/PZ1-3P
2	1	59S/PZ2-3P
3	1	59S/PZ3-3P

High performance alloy steel bit for Phillips screws, 25 mm, 30 pcs in plastic box



59S/PZ 30P

PZ		
1	1	59S/PZ1-30P
2	1	59S/PZ2-30P
3	1	59S/PZ3-30P

High performance alloy steel bit for Pozidriv screws, 50 mm



59S/50PZ

PZ	pcs	
1	5	1 59S/50PZ1
2	5	1 59S/50PZ2
3	5	1 59S/50PZ3

High performance alloy steel bit for Pozidriv screws, 70 mm



59S/70PZ

PZ	pcs	
1	5	1 59S/70PZ1
2	5	1 59S/70PZ2
3	5	1 59S/70PZ3

High performance alloy steel bit for Pozidriv screws, 125 mm



59S/125PZ

PZ	pcs	
1	5	1 59S/125PZ1
2	5	1 59S/125PZ2
3	5	1 59S/125PZ3

Bit for TORX® head screws, 25mm, in plastic box of 5 or 10 pcs



### 59S/T

T	pcs	
3	5	1 59S/T3
4	5	1 59S/T4
5	5	1 59S/T5
6	10	1 59S/T6
7	10	1 59S/T7
8	10	1 59S/T8
9	10	1 59S/T9
10	10	1 59S/T10
15	10	1 59S/T15
20	10	1 59S/T20
25	10	1 59S/T25
27	10	1 59S/T27
30	5	1 59S/T30
40	5	1 59S/T40
45	5	1 59S/T45
50	5	1 59S/T50

High performance alloy steel bit for TORX® screws, 25 mm, 3 pce blister pack



### 59S/T 3P

T	
T10	1 59S/T10-3P
T15	1 59S/T15-3P
T20	1 59S/T20-3P
T25	1 59S/T25-3P
T27	1 59S/T27-3P
T30	1 59S/T30-3P
T40	1 59S/T40-3P

High performance alloy steel bit for TORX® screws, 25 mm, 30 pcs in plastic box



### 59S/T 30P

T	
T10	1 59S/T10-30P
T15	1 59S/T15-30P
T20	1 59S/T20-30P
T25	1 59S/T25-30P
T30	1 59S/T30-30P
T40	1 59S/T40-30P

High performance alloy steel bit for TORX® screws, 50 mm



### 59S/50T

T	pcs	
8	5	1 59S/50T8
10	5	1 59S/50T10
15	5	1 59S/50T15
20	5	1 59S/50T20
25	5	1 59S/50T25
27	5	1 59S/50T27
30	5	1 59S/50T30
40	5	1 59S/50T40

High performance alloy steel bit for TORX® screws, 25 mm, 2 pce blister pack



### 59S/50T 2P

T	
T10	1 59S/50T10-2P
T15	1 59S/50T15-2P
T20	1 59S/50T20-2P
T25	1 59S/50T25-2P
T30	1 59S/50T30-2P

Bit for TORX® head screws, 70mm, in plastic box of 5pcs



### 59S/70T

T	pcs	
T10	5	1 59S/70T10
T15	5	1 59S/70T15
T20	5	1 59S/70T20
T25	5	1 59S/70T25
T27	5	1 59S/70T27
T30	5	1 59S/70T30
T40	5	1 59S/70T40

High performance alloy steel bit for TORX® screws, 70 mm, 2 pce blister pack



### 59S/70T 2P

T	
T20	1 59S/70T20-2P

Bit for TORX® head screws, 150mm, in plastic bag of 5pcs



### 59S/150T

T	pcs	
15	5	1 59S/150T15
20	5	1 59S/150T20
25	5	1 59S/150T25
30	5	1 59S/150T30

High performance alloy steel bit for TORX® Tamper screws, 25 mm



### 59S/TR

TR	pcs		
7	5	1	59S/TR7
8	5	1	59S/TR8
9	5	1	59S/TR9
10	5	1	59S/TR10
15	5	1	59S/TR15
20	5	1	59S/TR20
25	5	1	59S/TR25
27	5	1	59S/TR27
30	5	1	59S/TR30
40	5	1	59S/TR40



Bit for HEX head screws, mm, 25mm, in plastic box of 5pcs



### 59S/H mm

mm	pcs		
1.5	5	1	59S/H1.5
2	5	1	59S/H2
2.5	5	1	59S/H2.5
3	5	1	59S/H3
4	5	1	59S/H4
4	500	500	59S/H4-IPB
5	5	1	59S/H5
6	5	1	59S/H6
8	5	1	59S/H8
10	5	1	59S/H10



Blister pack of 3 hexagon bits, 25 mm



### 59S/H 3P

Hex		
3	1	59S/H3-3P
4	1	59S/H4-3P
5	1	59S/H5-3P
6	1	59S/H6-3P
8	1	59S/H8-3P



High performance alloy steel bit for TORX® screws, 25 mm, 3 pce blister pack



### 59S/TR 3P

TR		
TR 10	1	59S/TR10-3P
TR 15	1	59S/TR15-3P
TR 20	1	59S/TR20-3P
TR 25	1	59S/TR25-3P
TR 27	1	59S/TR27-3P
TR 30	1	59S/TR30-3P
TR 40	1	59S/TR40-3P



High performance alloy steel bit for hexagon screws, 25 mm

Bit for hexagon head screws, 50 mm



### 59S/50H

mm	pcs		
2	5	1	59S/50H2
2.5	5	1	59S/50H2.5
3	5	1	59S/50H3
4	5	1	59S/50H4
5	5	1	59S/50H5
6	5	1	59S/50H6
8	5	1	59S/50H8



Bit for TORX® head screws, 70mm, in plastic box of 5pcs



### 59S/70TR

TR	pcs		
TR15	5	1	59S/70TR15
TR20	5	1	59S/70TR20
TR25	5	1	59S/70TR25
TR27	5	1	59S/70TR27
TR30	5	1	59S/70TR30
TR40	5	1	59S/70TR40



### 59S/H "

inches	pcs		
1/4	5	1	59S/H1/4
1/8	5	1	59S/H1/8
1/16	5	1	59S/H1/16
3/8	5	1	59S/H3/8
3/16	5	1	59S/H3/16
3/32	5	1	59S/H3/32
5/16	5	1	59S/H5/16
5/32	5	1	59S/H5/32
5/64	5	1	59S/H5/64
7/32	5	1	59S/H7/32
7/64	5	1	59S/H7/64
9/64	5	1	59S/H9/64



Bit for Hex head screws in inches, 50mm, in plastic box of 5pcs



### 59S/50H1

inches	pcs		
1/16	5	1	59S/50H1/16
1/4	5	1	59S/50H1/4
1/8	5	1	59S/50H1/8
3/16	5	1	59S/50H3/16
3/32	5	1	59S/50H3/32
3/8	5	1	59S/50H3/8
5/16	5	1	59S/50H5/16
5/32	5	1	59S/50H5/32
5/64	5	1	59S/50H5/64
7/32	5	1	59S/50H7/32
7/64	5	1	59S/50H7/64
9/64	5	1	59S/50H9/64



Bit for Hex ball point head screws, 89mm, in plastic bag of 5pcs



### 59S/H BALL

Hex Ball	pcs	
3	5	1 59S/H3BALL
4	5	1 59S/H4BALL
5	5	1 59S/H5BALL
6	5	1 59S/H6BALL
8	5	1 59S/H8BALL

Blister pack of 3 hexagon ball bits, 89 mm



### 59S/H BALL 3P

H		
3		1 59S/HBALL-3P

Bit for Robertson® head screws, 25 mm



### 59S/R

R	pcs	
# 1	10	1 59S/R1
# 2	10	1 59S/R2
# 3	10	1 59S/R3
# 4	10	1 59S/R4

Blister pack of 3 Robertson bits, 25 mm



### 59S/R 3P

Robertson		
#1	1	59S/R1-3P
#2	1	59S/R2-3P
#3	1	59S/R3-3P

Bit for Robertson head screws, 50 mm



### 59S/50R

R	pcs	
#1	5	1 59S/50R1
#2	5	1 59S/50R2
#3	5	1 59S/50R3

Bit for TORQ-SET® head screws, 25 mm



### 59S/TS

TORQ-SET®	pcs	
0	5	1 59S/TS-0
1	5	1 59S/TS-1
2	5	1 59S/TS-2
3	5	1 59S/TS-3
4	5	1 59S/TS-4
5	5	1 59S/TS-5
6	5	1 59S/TS-6
8	5	1 59S/TS-8
10	5	1 59S/TS-10
1/4	5	1 59S/TS-1/4

Bit for Tri-Wing head screws, 25 mm



### 59S/TW

Tri-Wing	pcs	
0	5	1 59S/TW0
1	5	1 59S/TW1
2	5	1 59S/TW2
3	5	1 59S/TW3
4	5	1 59S/TW4
5	5	1 59S/TW5

Bit for XZN head screws, 25 mm



### 59S/M

M	pcs	
3	10	1 59S/M3
4	10	1 59S/M4
5	10	1 59S/M5
6	10	1 59S/M6
8	10	1 59S/M8

Combi bits for terminal screws, slotted, Phillips



### 59S/PH COMBI 2P

mm-PH	
5.0-PH1	1 59S/PH1COMBI-2P
6.0-PH2	1 59S/PH2COMBI-2P
8.0-PH3	1 59S/PH3COMBI-2P

Power nut drivers, 50 mm



K6750

inches/mm		
6mm	1	K6750-6
7mm	1	K6750-7
8mm	1	K6750-8
10mm	1	K6750-10
13mm	1	K6750-13
1/4"	1	K6750-1/4
3/8"	1	K6750-3/8

Power magnetic nut drivers, 50 mm



KM6750

inches/mm		
6mm	1	KM6750-6
7mm	1	KM6750-7
8mm	1	KM6750-8
10mm	1	KM6750-10
13mm	1	KM6750-13
1/4"	1	KM6750-1/4
3/8"	1	KM6750-3/8

1/4" adaptor for 1/4" bits



6973

Hex		
1/4	5	6973

Adaptor with hexagonal 1/4" and square 1/4" drive, 25mm, in plastic box of 5 pcs



K6625

inches	pcs	
1/4	5	1 K6625-1/4

Adaptor with hexagonal 1/4" and square 3/8" drive, 38mm, in plastic box of 5 pcs



K6638

inches	pcs	
3/8	5	1 K6638-3/8

Adaptor with hexagonal and square drive, 50mm, in plastic box of 5 pcs  
K6650-1/4-1P is packed by unit



K6650

inches	pcs	
1/4	5	1 K6650-1/4
1/4	1	1 K6650-1/4-1P
3/8	5	1 K6650-3/8
1/2	5	1 K6650-1/2

Adaptor with hexagonal and square drive, 100mm, in plastic box of 5 pcs



K66100

inches	pcs	
1/4	5	1 K66100-1/4
3/8	5	1 K66100-3/8

Adaptor 1/4" with quick release system, 60mm, in plastic holder by unit



K6660-QR

inches	pc	
1/4	1	1 K6660-QR-1P

Universal adaptor 1/4" with retaining ring, 60mm, in plastic box of 5 pcs



KR653

inches	pcs	
1/4	5	1 KR653

Stainless steel universal adaptor with retaining ring 1/4"  
KSR753 in plastic box of 5 pcs and KSR753-1P in plastic holder by unit



### KSR753

inches	pc		
1/4	5	1	KSR753
1/4	1	1	KSR753-1P

Copper-Beryllium universal adaptor 1/4" with retaining ring  
In plastic holder by unit



### KCB753

inches	pc		
1/4	1	1	KCB753

Magnetic universal adaptor, 60 mm  
KM653 in plastic box of 5 pcs and KM653-1P in plastic holder by unit




### KM653

∅	L		
1/4"-1/4"	50	1	KM653

Magnetic universal adaptor 1/4" with retaining ring, 60 mm  
KMR653 in plastic box of 5 pcs and KMR653-1P in plastic holder by unit





### KMR653

inches	pcs		
1/4	5	1	KMR653
1/4	1	1	KMR653-1P

Magnetic universal adaptor 1/4" with retaining ring, 75mm



### KMR753

inches	pcs		
1/4	5	1	KMR753
1/4	1	1	KMR753-1P

Magnetic universal adaptor 1/4" with retaining ring, 150mm  
KMR150 in plastic box of 5 pcs and KMR150-1P in plastic holder by unit



### KMR150

inches	pcs		
1/4	5	1	KMR150
1/4	1	1	KMR150-1P

Magnetic bit holder with quick release system, 60mm  
KM653-QR in plastic box of 5 pcs and KM653-QR-1 in plastic holder by unit



### KM653-QR

∅	L		
14	60	1	KM653-QR
14	60	1	KM653-QR-1P

Magnetic bit holder with quick release system, 75 mm  
In plastic holder by unit



### KM753-QR

∅	L		
14	75	1	KM753-QR-1P

Screw holding universal adaptor, 82 mm  
In plastic holder by unit



### KM100-SH

inches	pc		
1/4	1	1	KM100-SH

1/4" adaptor with swivel function  
In plastic holder by unit



KM653-SF

inches	L		
1/4	60	1	KM653-SF

## BITS FOR MAGAZINE SCREWDRIVERS

Bit for Phillips head screws



K18NF

PH			
2	5	5	K18NF-2

Bit for Pozidriv head screws



K19PZD

PZ			
2-NF	10	10	K19PZD-2NF
2-M5	10	10	K19PZD-2M5

Bit for TORX® head screws



K20TORX

T			
25	10	10	K20TORX-T25

## BIT SETS 1/4"

31 pcs bits set for Slotted, Phillips, Pozidriv, TORX®, Hexagon screws and bit holder



59S/31-1

6	59/S31
12	59S/31-1

<b>59S/PH</b>		
PH1, 3xPH2, PH3, 2xPH2G		
<b>59S/PZ</b>		
PZ1, 3xPZ2, PZ3		
<b>59S/T</b>		
T10, 3xT15, 3xT20, 2xT25, T27, T30		
<b>59S/</b>		
0.5x3.0, 0.6x4.5, 0.8x5.5		
<b>59S/H</b>		
3.0, 4.0, 5.0, 6.0		
<b>KM653-QR</b>		
1/4" - 1/4" - 60mm		

31 pcs bits set for Phillips, Pozidriv, TORX® and bit holder



59S/31-2

12	59S/31-2

<b>59S/PH</b>		
4xPH2, 4xPH2G		
<b>59S/PZ</b>		
4xPZ2		
<b>59S/T</b>		
2xT10, 4xT15, 5xT20, 5xT25, 2xT30		
<b>KM653-QR</b>		
1/4" - 1/4" - 60mm		

31pcs bits set for Phillips, Pozidriv, TORX® Tamper Resistant and bit holder



59S/31-3

12	59S/31-3

<b>59S/PH</b>		
2xPH1, 2xPH2, PH3		
<b>59S/PZ</b>		
2xPZ1, 2xPZ2, PZ3		
<b>59S/TR</b>		
2xTR10, 3xTR15, 5xTR20, 4xTR25, TR27, 4xTR30, TR40		
<b>KM653-QR</b>		
1/4" - 1/4" - 60mm		

31pcs torsion bits set for Slotted, Phillips, Pozidriv, Torx®, Hexagon screws and bit holder



60T/31-1

12	60T/31-1

<b>60T/PH</b>		
PH1, 3xPH2, PH3, 2xPH2G		
<b>60T/PZ</b>		
PZ1, 3xPZ2, PZ3		
<b>60T/T</b>		
T10, 3xT15, 3xT20, 2xT25, T27, 2xT30		
<b>60T/</b>		
0.6-4.5, 0.8x5.5		
<b>60T/H</b>		
3.0, 4.0, 5.0, 6.0		
<b>1 pc</b>		
1/4" - 1/4" - 60mm		

17 pcs bits set for slotted, Phillips, Pozidriv, hexagon screws and quick release bit holder



59S/17-1



1 59S/17-1

<b>59S/PH</b> PH1, 3xPH2, 2xPH2G	
<b>59S/PZ</b> PZ1, 2xPZ2	
<b>59S/H</b> 3.0, 4.0, 5.0, 6.0	
<b>59S/</b> 3.0, 4.5, 5.5	
<b>1 pc</b> 1/4" - 1/4" - 50mm	

17 pcs bits set for TORX® screws and bit holder



59S/17-2



1 59S/17-2

<b>59S/T</b> T7, T8, T9, T10, 2xT15, 3xT20, 3xT25, T27, 2xT30, T40	
<b>1 pc</b> 1/4" - 1/4" - 50mm	

17 pcs bits set for Pozidriv, Phillips, TORX® Tamper, hexagonal screws and bit holder



59S/17-3



1 59S/17-3

<b>59S/PH</b> PH1, 2xPH2	
<b>59S/PZ</b> PZ1, PZ2, PZ3	
<b>59S/T</b> T10, T15, T20, T25, T27, T30, T40	
<b>59S/H</b> 3.0, 4.0, 5.0	
<b>1 pc</b> 1/4" - 1/4" - 50mm	

17 pcs Torsion bits set for Phillips, Pozidriv, TORX® and bit holder



60T/17-1



1 60T/17-1

<b>60T/PH</b> PH1, PH2	
<b>60T/T</b> T7, T8, T9, T10, 2xT15, 2xT20, 2xT25, T27, 2xT30, T40	
<b>1 pc</b> 1/4" - 1/4" - 50mm	

7 pcs bits set for Phillips, Pozidriv, TORX® screws and bit holder



59S/7-1



1 59S/7-1

<b>59S/PH</b> PH1, PH2	
<b>59S/PZ</b> PZ1, PZ2	
<b>59S/T</b> T15, T20	
<b>1 pc</b> 1/4" - 1/4" - 50mm	

7 pcs bit sets for Phillips, TORX® screws and bit holder



59S/7-2



1 59S/7-2

<b>59S/PH</b> PH2	
<b>59S/T</b> 2xT15, 2xT20, T25	
<b>1 pc</b> 1/4" - 1/4" - 50mm	

7 pcs bits set for TORX® Tamper Resistant screws and bit holder



59S/7-3



1 59S/7-3

59S/TR

TR10, TR15, TR20, TR25, TR30, TR40

1 pc

1/4" - 1/4" - 50mm



7pcs bits set for TORX® screws and bit holder



59S/7-4



1 59S/7-4

59S/T

T10, T15, T20, T25, T30, T40

1 pc

1/4" - 1/4" - 50mm



7pcs Torsion bits set for Phillips, Pozidriv, TORX® screws and bit holder



60T/7-1



1 60T/7-1

60T/PH

PH2

60T/PZ

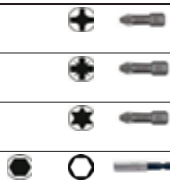
PZ2

60T/T

T15, T20, T25, T30

1 pc

1/4" - 1/4" - 50mm



7pcs stainless steel bits set for Phillips, Pozidriv, TORX® screws and bit holder



65I/7-1



1 65I/7-1

65I/PH

PH2

65I/PZ

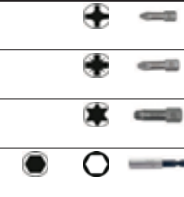
PZ2

65I/T

T15, T20, T25, T30

1 pc

1/4" - 1/4" - 50mm



7pcs TIN bits set for Phillips, Pozidriv, TORX® screws and bit holder



62TIN/7-1



1 62TIN/7-1

62TIN/PH

PH2

62TIN/PZ

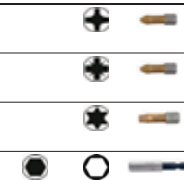
PZ2

62TIN/T

T15, T20, T25, T30

1 pc

1/4" - 1/4" - 50mm



7 pcs Diamond bits set for Phillips, Pozidriv, TORX® screws and bit holder



63D/7-1



1 63D/7-1

63D/PH

PH2

63D/PZ

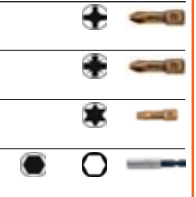
PZ2

63D/T

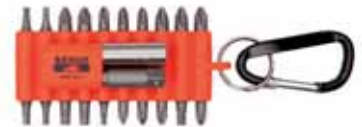
T15, T20, T25, T30

1 pc

1/4" - 1/4" - 50mm



22 pcs bits set for slotted, Phillips, Pozidriv, TORX® screws, bit holder and socket adaptor 1/4"



59S/22-1



12 59S/22-1

59S/PH

PH1, PH2, PH3, PH2G

59S/PZ

PZ1, PZ2, PZ3

59S/T

T6, T8, T9, T10, T15, T20, T25, T27, T30, T40

59S/

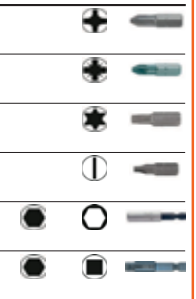
3.0, 4.5, 5.5

1 pc

1/4" - 1/4" - 50mm

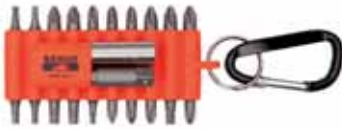
K6650-1/4

1/4" - 1/4" - 50mm





22 pcs bit set for Phillips, TORX®, hexagonal screws, bit holder and socket adaptor 1/4"



59S/22-2



12 59S/22-2

<b>59S/PH</b>	
3xPH2, 3xPH2G	
<b>59S/PZ</b>	
2xPZ2	
<b>59S/T</b>	
T10, 4xT15, 3xT20, 2xT25	
<b>59S/H</b>	
2.5, 3.0	
<b>1 pc</b>	
1/4" - 1/4" - 50mm	
<b>K6650-1/4</b>	
1/4" - 1/4" - 50mm	

Bit set for slotted, Phillips, HEXAGON TORX® and TORQ-set® head screws



59/S28-4



1 59/S28-4

<b>59S/</b>	
0.6x4.5, 1.2x6.5, 1.2x8.0	
<b>59S/PH</b>	
2xPH1, 2xPH2, PH3	
<b>59S/T</b>	
T6, T15	
<b>59S/H</b>	
5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32"	
<b>59S/TS</b>	
2x4, 2x6, 2x8, 2x10	
<b>K6625-1/4</b>	
1/4"	
<b>KM653</b>	
1/4" - 1/4" - 60mm	

Bit set with bits, sockets, bit-ratchet and adapters



2058/S26



1 2058/S26  
1 SB-2058/S26

<b>PH</b>	
1,2,3	
<b>PZ</b>	
1,2,3	
<b>TORX</b>	
T10, T15, T20, T25, T30	
<b>HEX</b>	
3, 4, 5, 6	
<b>SL</b>	
4, 5, 6	
<b>5 pcs</b>	
6,7,8,10,13	
<b>2058-BR</b>	
1/4" - 8mm	
<b>1 pc</b>	
1/4" - 1/4"	

Bit set with bits, sockets, bit-ratchet and adapters



2058/S26-2



1 2058/S26-2

<b>PH</b>	
0, 1, 2	
<b>PZ</b>	
0, 1, 2	
<b>TORX</b>	
T4, T5, T6, T7, T8	
<b>HEX</b>	
1.5, 2, 2.5, 3	
<b>SL</b>	
3, 4, 5 mm	
<b>2058-BR</b>	
1/4" - 8mm	
<b>1 pc</b>	
1/4" - 1/4"	
<b>1pc</b>	
1/4"	
<b>5 pcs</b>	
4, 5, 6, 7, 8 mm	

## BITS 5/32"

Bit for slotted head screws 5/32", Phillips® screws, in plastic box of 5 pcs



45S/PH

PH	pcs	
1	5	1 45S/PH1
2	5	1 45S/PH2

Bit for hexagon head screws 5/32", in plastic box of 5 pcs



45S/H

mm	pcs	
1.5	5	1 45S/H1.5
2	5	1 45S/H2
2.5	5	1 45S/H2.5
3	5	1 45S/H3

## BITS 5/16"

Impact screwdriver 5/16"



5521

Driver	
5/16"	1 5521

Impact screwdriver adaptor, 5/16" bits



54640

Driver		
5/16"	5	54640

Bit for slotted head screws, in plastic box of 5 pcs



70S/ mm	pcs		
8 x 1.2	5	1	70S/1.2-8.0
9	5	1	70S/1.6-9.0
10	5	1	70S/1.6-10.0
12	5	1	70S/2.0-12.0
14	5	1	70S/2.5-14.0

Bit for slotted head screws, PHILLIPS® screws, in plastic box of 5 pcs



70S/PH	PH	pcs		
1	5	1	70S/PH1	
2	5	1	70S/PH2	
3	5	1	70S/PH3	
4	5	1	70S/PH4	

Bit for slotted head screws, POZIDRIV® screws, in plastic box of 5 pcs



70S/PZ	PZ	pcs		
1	5	1	70S/PZ1	
2	5	1	70S/PZ2	
3	5	1	70S/PZ3	
4	5	1	70S/PZ4	

Bit for slotted head screws, TORX®, in plastic box of 5 pcs



70S/T	T	pcs		
20	5	1	70S/T20	
25	5	1	70S/T25	
27	5	1	70S/T27	
30	5	1	70S/T30	
40	5	1	70S/T40	
45	5	1	70S/T45	
50	5	1	70S/T50	
55	5	1	70S/T55	

Bit for slotted head screws, for TORQ-SET®, in plastic box of 5 pcs



70S/TS	TORQ-SET®	pcs		
1/4	5	1	70S/TS1/4	
10mm	5	1	70S/TS10	
5/16	5	1	70S/TS5/16	
8mm	5	1	70S/TS8	

Bit for hexagon metric socket head screws, in plastic box of 5 pcs



70S/H	mm	pcs		
4	5	1	70S/H4	
5	5	1	70S/H5	
6	5	1	70S/H6	
7	5	1	70S/H7	
8	5	1	70S/H8	
10	5	1	70S/H10	
12	5	1	70S/H12	
14	5	1	70S/H14	

## BIT SETS 5/16"

Bit assortment Phillips, slotted and hexagon screws



7865

1	7865		

Bit assortment Phillips, slotted, hexagon and TORX® screws



7823

16	7823		

## BITS 11.2 MM (7/16")

Bit for hexagon metric socket head screws, in plastic box of 5 pcs



74S/H	mm	pcs		
4	5	1	74S/H4	
5	5	1	74S/H5	
6	5	1	74S/H6	
7	5	1	74S/H7	
8	5	1	74S/H8	
10	5	1	74S/H10	
12	5	1	74S/H12	
14	5	1	74S/H14	
17	5	1	74S/H17	



## Screwdrivers

## ERGO™ SCREWDRIVERS

ERGO™ screwdriver  
For slotted head screws

ergo®



BE-8010 - BE-8252

mm	
0,3x2,0x60	5 BE-8002
0,4x2,5x60	5 BE-8010
0,4x2,5x75	5 BE-8210
0,5x3x60	5 BE-8020
0,5x3x75	5 BE-8020L
0,5x3,0x100	5 BE-8022
0,5x3x125	5 BE-8220
0,5x3,0x200	5 BE-8225
0,6x3,5x75	5 BE-8030
0,6x3,5x200	5 BE-8235
0,6x3,5x125	5 BE-8230
0,8x4x100	5 BE-8040
0,8x4x175	5 BE-8240
1x5,5x150	5 BE-8242
1x5,5x200	5 BE-8250L
1,2x6,5x150	5 BE-8252
1,0x5,5x125	5 BE-8241
1,0x6,0x150	5 BE-8251

ERGO™ screwdriver  
For slotted head screws

ergo®



BE-8150 - BE-8258

mm	
1x5,5x100	5 BE-8150
1,2x6,5x125	5 BE-8155
1x5,5x150	5 BE-8250
1,2x6,5x150	5 BE-8255
1,6x8x150	5 BE-8256
1,6x8x175	5 BE-8257
1,6x10x200	5 BE-8258

ERGO™ screwdrivers  
For slotted head screws, hexagonal shank

ergo®



BE-8158 - BE-8890

mm	
1x5,5x125	5 BE-8158
1,2x6,5x150	5 BE-8159
1,6x8x125	5 BE-8160
1,6x8x175	5 BE-8260
1,6x8x175	5 BE-8865
1,6x10x175	5 BE-8870
2x12x200	5 BE-8880
2,5x14x200	5 BE-8890

ERGO™ screwdrivers  
For slotted head screws, stubby type

ergo®



BE-8330 - BE-8455

mm	
0,6x3,5x25	5 BE-8330
0,8x4x25	5 BE-8340
1x5,5x25	5 BE-8350
1x5,5x45	5 BE-8450
1,2x6,5x25	5 BE-8355
1,2x6,5x45	5 BE-8455
1,2x8x25	5 BE-8360

ERGO™ screwdrivers  
For Phillips head screws

ergo®



BE-8600 - BE-8624

PH - mm	
0-60	5 BE-8600
0x100	5 BE-8605
0x200	5 BE-8608
2x150	5 BE-8622
1-75	5 BE-8610
1-75	5 BE-8611
1-200	5 BE-8610L
2-100	5 BE-8620
2-100	5 BE-8621
2-200	5 BE-8620L
3-150	5 BE-8623
4-200	5 BE-8624

ERGO™ screwdrivers  
For Phillips head screws, hexagonal shank

ergo®



BE-8628 - BE-8640

PH - mm	
1-100	5 BE-8628
2-125	5 BE-8629
3-150	5 BE-8630
4-200	5 BE-8640

ERGO™ screwdrivers  
For Phillips head screws, stubby type

ergo®



BE-8601/BE-8602

PH - mm	
1-25	5 BE-8601
2-25	5 BE-8602

ERGO™ screwdrivers  
For Pozidriv head screws

ergo®



BE-8800 - BE-8824

PZ - mm		
0-60	5	BE-8800
1-75	5	BE-8810
1-75	5	BE-8811
1-200	5	BE-8810L
2-100	5	BE-8820
2-100	5	BE-8821
2-200	5	BE-8820L
3-150	5	BE-8823
4-200	5	BE-8824

ERGO™ screwdrivers  
For Pozidriv head screws, hexagonal shank

ergo®



BE-8828 - BE-8840

PZ - mm		
1-100	5	BE-8828
2-125	5	BE-8829
3-150	5	BE-8830
4-200	5	BE-8840

ERGO™ screwdrivers  
For Pozidriv head screws, stubby type

ergo®



BE-8801/BE-8802

PZ - mm		
1-25	5	BE-8801
2-25	5	BE-8802

ERGO™ screwdrivers  
For TORX® head screws

ergo®



BE-8904 - BE-8945

T		
4x75	5	BE-8904
5x75	5	BE-8905
6x75	5	BE-8906
7x75	5	BE-8907
8x75	5	BE-8908
9x75	5	BE-8909
10x75	5	BE-8910
15x100	5	BE-8915
20x100	5	BE-8920
25x125	5	BE-8925
27x125	5	BE-8927
30x150	5	BE-8930
40x150	5	BE-8940
45x150	5	BE-8945

ERGO™ screwdrivers  
For TORX® and TORX® Tamper Resistant screws

ergo®



BE-7907 - BE-7940

TORX® Tamper		
TR 7x75	5	BE-7907
TR 8x75	5	BE-7908
TR 9x75	5	BE-7909
TR 10x75	5	BE-7910
TR 15x100	5	BE-7915
TR 20x100	5	BE-7920
TR 25x125	5	BE-7925
TR 27x125	5	BE-7927
TR 30x150	5	BE-7930
TR 40x150	5	BE-7940

ERGO™ screwdrivers  
For TORX® ball head screws

ergo®



BE-7515 - BE-7540

T		
15x100	5	BE-7515
20x100	5	BE-7520
25x125	5	BE-7525
27x125	5	BE-7527
30x150	5	BE-7530
40x150	5	BE-7540

ERGO™ screwdrivers  
For TORX® Plus head screws

ergo®



BE-7715 - BE-7740

T		
15x100	5	BE-7715
20x100	5	BE-7720
25x125	5	BE-7725
27x125	5	BE-7727
30x150	5	BE-7730
40x150	5	BE-7740

ERGO™ screwdrivers  
For hexagon socket screws, ball end

ergo®



BE-8702 - BE-8710

mm		
1,5x60	5	BE-8715
2x100	5	BE-8702
2,5x100	5	BE-8725
3x100	5	BE-8703
4x100	5	BE-8704
5x100	5	BE-8705
6x125	5	BE-8706
8x150	5	BE-8708
10x150	5	BE-8710

ERGO™ screwdrivers  
For hexagonal socket head screws

ergo®



BE-6902 - BE-6903

mm		
2x75	5	BE-6902
2.5x75	5	BE-6925
3x75	5	BE-6903

ERGO™ screwdrivers  
For hexagon socket head screws in inches

ergo®



BE-8700-5/32- BE-8700-3/8

mm		
5/32"x100	5	BE-8700-5/32
3/16"x100	5	BE-8700-3/16
7/32"x100	5	BE-8700-7/32
1/4"x125	5	BE-8700-1/4
3/8"x150	5	BE-8700-3/8
5/16"x150	5	BE-8700-5/16

ERGO™ screwdrivers  
For Robertson (square) head screws

ergo®



BE-9001 - BE-9003

R - mm		
1x80	1	BE-9001
2x80	5	BE-9002
3x80	5	BE-9003

ERGO™ screwdrivers  
For TRI-WING® head screws

ergo®



BE-9100 - BE-9105

TW	mm		
0	80	5	BE-9100
1	80	5	BE-9101
2	80	5	BE-9102
3	80	5	BE-9103
4	100	5	BE-9104
5	100	5	BE-9105

ERGO™ screwdrivers  
For TORQ-SET® head screws

ergo®



BE-8080

T	mm		
1	75	5	BE-8080-1
2	75	5	BE-8080-2
3	75	5	BE-8080-3
4	75	5	BE-8080-4
5	75	5	BE-8080-5
6	75	5	BE-8080-6
8	100	5	BE-8080-8
10	100	5	BE-8080-10

ERGO™ handle, awl

ergo®



BE-8985

Ø mm		
6,0 x 100	5	BE-8985
6,0x25	5	BE-8986

ERGO™ handle, reamer

ergo®



BE-8980

Ø mm		
6,0 x 100	5	BE-8980

ERGO™ bit holder female hexagon 1/4"

ergo®



BE-8577

mm		
118	5	BE-8577

ERGO™ nut drivers, flexible blade

ergo®



BE-76

mm		
6	5	BE-7606
7	5	BE-7607
8	5	BE-7608

ERGO™ nut drivers

ergo®



BE-6400M

mm		
4	5	BE-6400M-4
5	5	BE-6400M-5
5,5	5	BE-6400M-5.5
7	5	BE-6400M-7



ERGO™ nut drivers, long bore



BE-78

mm	
3	5 BE-7803
3,5	5 BE-7835
4	5 BE-7804
4,5	5 BE-7845
5	5 BE-7805
5,5	5 BE-7855
6	5 BE-7806
7	5 BE-7807
8	5 BE-7808
9	5 BE-7809
10	5 BE-7810
11	5 BE-7811
12	5 BE-7812
13	5 BE-7813
14	5 BE-7814

ERGO™ insulated screwdriver  
For slotted head screws



BE-8010S - BE-8065S

mm	
0,4x2,5x75	5 BE-8010S
0,5x3x100	5 BE-8220S
0,6x3,5x100	5 BE-8230S
0,8x4x100	5 BE-8040S
1,0x5,5x125	5 BE-8050S
1,2x6,5x150	5 BE-8255S
1,2x8x175	5 BE-8065S
1,6x10x200	5 BE-8258S
2,0x12x200	5 BE-8259S

ERGO™ insulated screwdriver  
For Phillips head screws



BE-8600S - BE-8640S

PH mm	
0-75	5 BE-8600S
1-80	5 BE-8610S
1x150	5 BE-8612S
2-100	5 BE-8620S
2x100	5 BE-8621S

PH mm	
2x175	5 BE-8622S
3-150	5 BE-8630S
4-200	5 BE-8640S

ERGO™ insulated screwdriver  
For Pozidriv head screws



BE-8800S - BE-8840S

PZ mm	
0-75	5 BE-8800S
1-80	5 BE-8810S
1x150	5 BE-8812S
2-100	5 BE-8820S
2x100	5 BE-8821S
2x175	5 BE-8822S
3-150	5 BE-8830S
4-200	5 BE-8840S

ERGO™ insulated screwdriver  
For TORX® head screws



BE-8910S - BE-8930S

T mm	
5-75	5 BE-8905S
6-75	5 BE-8906S
7-75	5 BE-8907S
8-75	5 BE-8908S
9-75	5 BE-8909S
10-100	5 BE-8910S
15-125	5 BE-8915S
20-125	5 BE-8920S
25-150	5 BE-8925S
30-175	5 BE-8930S

ERGO™ insulated screwdriver  
For hexagon socket head screws



BE-8725S - BE-8708S

mm	
2,5x75	5 BE-8725S
3x75	5 BE-8703S
4x75	5 BE-8704S

mm	
5x175	5 BE-8705S
6x200	5 BE-8706S
8x200	5 BE-8708S

ERGO™ insulated combi tip screwdrivers  
For slotted 5 & 6, and Phillips PH 1 & 2



BE-8510S - BE-8520S

Tip 1	Tip 2	
5 mm	PH 1	5 BE-8510S
6 mm	PH 2	5 BE-8520S

ERGO™ insulated combi tips screwdrivers  
For slotted 5 & 6 and Pozidriv 1 & 2



BE-8710S - BE-8720S

Tip 1	Tip 2	
5 mm	PZ 1	5 BE-8710S
6 mm	PZ 2	5 BE-8720S

ERGO™ insulated nut drivers



BE-7855S - BE-7810S

mm	
5,5	5 BE-7855S
6	5 BE-7806S
7	5 BE-7807S
8	5 BE-7808S
9	5 BE-7809S
10	5 BE-7810S

ERGO™ screwdriver set, 6 pcs  
For slotted and Phillips head screws

ergo®



BE-9881



1 BE-9881

**BE-8020 , BE-8040**

0.5x3x60 , 0.8x4x100



**BE-8150 , BE-8155**

1.0x5.5x100 , 1.2x6.5x125



**BE-8610 , BE-8620**

PH1x75 , PH2x100



ERGO™ screwdriver set, 6 pcs  
For slotted and Pozidriv head screws

ergo®



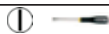
BE-9882



1 BE-9882

**BE-8020 , BE-8040**

0.5x3x60 , 0.8x4x100



**BE-8150 , BE-8155**

1.0x5.5x100 , 1.2x6.5x125



**BE-8810 , BE-8820**

PZ1x75 , PZ2x100



ERGO™ screwdriver set, 6 pcs  
For straight, Phillips and Pozidriv head screws

ergo®



BE-9884



1 BE-9884

**BE-8040 , BE-8241**

0.8x4x100 , 1.0x5.5x125



**BE-8611 , BE-8621**

PH1x75 , PH2x100



**BE-8811 , BE-8821**

PZ1x75 , PZ2x100



ERGO™ screwdriver set, 5 pcs  
For TORX® head screws

ergo®



BE-9885



1 BE-9885

**BE-8910 - BE-8930**

T10 15 20 25 30



ERGO™ screwdriver set, 6 pcs  
For slotted, Phillips, Pozidriv head screws

ergo®



BE-9886



1 BE-9886

**BE-8030**

0.6x3.5x75 mm



**BE-8150**

1x5.5x100 mm



**BE-8611 , BE-8621**

PH1x75 , PH2x100



**BE-8811 , BE-8821**

PZ1x75 , PZ2x100



ERGO™ screwdriver set, 5 pcs  
For TORX® Tamper head screws

ergo®



BE-9893



1 BE-9893

**BE-7910 , BE-7915 , BE-7920 , BE-7925 ,  
BE-7930**

TR10x75 , TR15x100 , TR20x100 , TR25x125 , TR30x150



ERGO™ screwdriver set, 6 pcs  
For slotted, Phillips, Pozidriv and TORX® head screws

ergo®



BE-9871



1 BE-9871

<b>BE-8220S</b> 0.5 x 3.0x100 INSULATED	
<b>BE-8611, BE-8620</b> PH1x75, PH2x100	
<b>BE-8820</b> PZ2x100	
<b>BE-8920, BE-8925</b>	

ERGO™ screwdriver set, 7 pcs  
For slotted, Pozidriv and TORX® head screws

ergo®



BE-9873



1 BE-9873

<b>BE-8030, BE-8150</b> 0,6x3,5x75, 1,0x5,5x100	
<b>BE-8220S</b> 0,5 X 3,0 X 100 INSULATED	
<b>BE-8811, BE-8821</b> PZ1x75, PZ2x100	
<b>BE-8910, BE-8920</b> T10x75, T20x100	

ERGO™ insulated screwdriver set, 5 pcs  
For slotted and Phillips head screws

ergo®



BE-9881S



1 BE-9881S

<b>BE-8220S, BE-8040S, BE-8050S</b> 0.5x3x100, 0.8x4x100, 1x5.5x125	
<b>BE-8610S, BE-8620S</b> PH1x80, PH2x100	

ERGO™ insulated screwdriver set, 5 pcs  
For slotted and Pozidriv head screws

ergo®



BE-9882S



1 BE-9882S

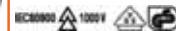
<b>BE-8220S, BE-8040S, BE-8050S</b> 0.5x3x100, 0.8x4x100, 1x5.5x125	
<b>BE-8810S, BE-8820S</b> PZ1x80, PZ2x100	

ERGO™ insulated screwdriver set, 7 pcs  
For slotted and Pozidriv head screws

ergo®



BE-9888S



1 BE-9888S

<b>BE-8010S, BE-8220S, BE-8040S, BE-8050S</b> 0.4x2.5x75, 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125	
<b>BE-8800S, BE-8820S, BE-8830S</b> PZ0x75, PZ2x100, PZ3x150	

ERGO™ insulated combi tips screwdriver set, 5 pcs  
For slotted/PH and slotted/PZ

ergo®



BE-9885S



1 BE-9885S

<b>806-1-1</b> 0.6X3X65	
<b>BE-8510S, BE-8520S</b> 5/PH1, 6/PH2	
<b>BE-8710S, BE-8720S</b> 5/PZ1, 6/PZ2	

Insulated ERGO™ screwdrivers set, 7 pcs  
For slotted and Phillips head screws

ergo®



BE-9887S



1 BE-9887S

806-1-1

0.6x3x65



BE-8010S, BE-8230S, BE-8040S,  
BE-8050S



0.4x2.5x75, 0.6x3.5x100, 0.8x4.0x100, 1.0x5.5x125

BE-8610S, BE-8621S



PH1x80, PH2x100

Insulated ERGO™ screwdrivers set, 7 pcs  
For slotted and Pozidriv head screws

ergo®



BE-9889S



1 BE-9889S

806-1-1

0.6x3x65



BE-8010S, BE-8230S, BE-8040S,  
BE-8050S



0.4x2.5x75, 0.6x3.5x100, 0.8x4.0x100, 1.0x5.5x125

BE-8810S, BE-8821S



PZ1x80, PZ2x100

Insulated ERGO™ screwdrivers, 6 pcs  
For slotted, Pozidriv and Combi Slotted/Pozidriv head  
screws

ergo®



BE-9884S



1 BE-9884S

BE-8220S, BE-8040S

0.5x3.0x100, 0.8x4.0x100



BE-8810S, BE-8820S

PZ1x80, PZ2x100



BE-8710S, BE-8720S

5/PZ1x80, 6/PZ2x100



Insulated ERGO™ Combi tips screwdrivers set, 2pcs,  
for use in electric racks and terminals  
For Combi slotted/Pozidriv head screws

ergo®



BE-9890S



pcs



1 BE-9890S

BE-8710S, BE-8720S

5/PZ1, 6/PZ2



ERGO™ screwdriver to be used with interchangeable  
blades/bits female hexagon 1/4"

ergo®



BE-8575

inches



1/4"

1 BE-8575

Hexagonal blades 1/4" for slotted head screws,  
100mm



8020-2P - 8252-2P

mm



0.5x3.0

1 8020-2P

0.6x3.5

1 8030-2P

0.8x4.0

1 8040-2P

1.0x5.5

1 8242-2P

1.2x6.5

1 8252-2P

Hexagonal blades 1/4" for Phillips head screws,  
100mm



8600-2P - 8630-2P

PH



0

1 8600-2P

1

1 8610-2P

2

1 8620-2P

3

1 8630-2P



Hexagonal blades 1/4" for Pozidriv head screws, 100mm



8800-2P - 8830-2P

PZ		
0	1	8800-2P
1	1	8810-2P
2	1	8820-2P
3	1	8830-2P

Hexagonal blades for TORX® head screws, 100mm



8910-2P - 8940-2P

T		
10	1	8910-2P
15	1	8915-2P
20	1	8920-2P
25	1	8925-2P
27	1	8927-2P
30	1	8930-2P
40	1	8940-2P

Hexagonal Blades 1/4" for Hexagonal ball head screws, 100mm



8703-2P - 8706-2P

mm		
3	1	8703-2P
4	1	8704-2P
5	1	8705-2P
6	1	8706-2P

Hexagonal Blades 1/4" for Slotted head screws, 300mm



8040L-2P - 8252L-2P

mm		
0.8x4.0	1	8040L-2P
1.0x5.5	1	8242L-2P
1.2x6.5	1	8252L-2P

Hexagonal blades 1/4" for Phillips head screws, 300mm



8610L-2P - 8620L-2P

PH		
1	1	8610L-2P
2	1	8620L-2P

Hexagonal blades 1/4" for Pozidriv head screws, 300mm



8810L-2P - 8820L-2P

PZ		
1	1	8810L-2P
2	1	8820L-2P

ERGO™ screwdriver with interchangeable blades set, 6 pieces  
For slotted, Phillips and Pozidriv head screws

ergo®



BE-8571

Hex	Blades mm	
1/4"	100	1 BE-8571

<b>BE-8575</b>		
1/4"		
<b>8242, 8252</b>		
1.0x5.5 x100, 1.2x6.5x100		
<b>8610, 8620</b>		
PH1x100, PH2x100		
<b>8810, 8820</b>		
PZ1x100, PZ2x100		

ERGO™ screwdriver with interchangeable blades set, 8 pcs  
For slotted, Phillips, Pozidriv and TORX® head screws

ergo®



BE-8572

Hex	Blades mm	
1/4"	100	1 BE-8572

<b>BE-8575</b>		
1/4"		
<b>8242, 8252</b>		
1.0x5.5, 1.2x6.5 x100		
<b>8610, 8620</b>		
PH1x100, PH2x100		
<b>8810, 8820</b>		
PZ1x100, PZ2x100		
<b>8910, 8915</b>		
T10, T15x100		

ERGO™ screwdriver with interchangeable blades set, 7 pcs  
For TORX® head screws



BE-8573

Hex	Blades mm	
1/4"	100	1 BE-8573

<b>BE-8575</b>		
1/4"		
<b>8930</b>		
T10, T15, T20, T25, T27, T30, T40 x 100		

ERGO™ screwdriver with interchangeable blades/bits set, 22 pcs  
For slotted, Phillips, Pozidriv, TORX® and Hexagonal head screws



**BE-8576**

Hex	Blades/Bits		
1/4	100mm /25mm	1	BE-8576

<b>BE-8575</b>		
1/4"		
<b>8030, 8040, 8242, 8252</b>		
0.6x3.5, 0.8x4.0, 1.0x5.5, 1.2x6.5 x 100		
<b>8610, 8620, 8630</b>		
PH1x100, PH2x100, PH3x100		
<b>8810, 8820, 8830</b>		
PZ1x100, PZ2x100, PZ3x100		
<b>8910, 8915, 8920, 8925, 8930, 8940</b>		
T10, T15, T20, T25, T30, T40 x 100		
<b>59S/H</b>		
2.5, 3, 4, 5, 6, 8 x 25mm		

**TEKNO+ SCREWDRIVERS**

For slotted head screws, hexagonal shank



**O20**

mm		
0,8x4,0x100	10	020.040.100
1,0x5,5x125	10	020.055.125
1,2x6,5x150	10	020.065.150
1,6x8,0x175	10	020.080.175
1,6x10x200	10	020.100.200
2,0x12x250	10	020.120.250
2,5x14x250	10	020.140.250

For slotted head screws



**O21**

mm		
0,8x4,0x100	10	021.040.100
1,0x5,5x125	10	021.055.125
1,2x6,5x150	10	021.065.150
1,6x8,0x175	10	021.080.175
1,6x10x200	10	021.100.200

For slotted head screws



**O22**

mm		
0,5x3,0x100	10	022.030.100
0,5x3,0x200	10	022.030.200
0,6x3,5x100	10	022.035.100
0,8x4,0x125	10	022.040.125
0,8x4,0x250	10	022.040.250
1,0x5,5x150	10	022.055.150
1,0x5,5x300	10	022.055.300
1,2x6,5x150	10	022.065.150
1,2x6,5x300	10	022.065.300

For Phillips head screws, hexagonal shank



**O23**

PH-mm		
0-75	10	023.000.075
1-100	10	023.001.100
2-125	10	023.002.125
3-150	10	023.003.150
4-200	10	023.004.200

For Phillips head screws



**O24**

PH-mm		
0-75	10	024.000.075
1-100	10	024.001.100
1-250	10	024.001.250
2-125	10	024.002.125
2-300	10	024.002.300
3-150	10	024.003.150

For Pozidriv head screws, hexagonal shank



**O25**

PZ-mm		
0-75	10	025.000.075
1-100	10	025.001.100
2-125	10	025.002.125
3-150	10	025.003.150
4-200	10	025.004.200

For Pozidriv head screws



**O26**

PZ-mm		
0-75	10	026.000.075
1-100	10	026.001.100
1-250	10	026.001.250
2-125	10	026.002.125
2-300	10	026.002.300
3-150	10	026.003.150



For TORX® head screws



O27

T			
6-75	10	027.006.075	
7-75	10	027.007.075	
8-75	10	027.008.075	
9-75	10	027.009.075	
10-75	10	027.010.075	
15-100	10	027.015.100	
20-100	10	027.020.100	
25-125	10	027.025.125	
27-125	10	027.027.125	
30-150	10	027.030.150	
40-150	10	027.040.150	

For TORX® and TORX® Tamper resistant head screws



O28

TORX® Tampe			
TR 10-75	5	028.010.075	
TR 15-100	5	028.015.100	
TR 20-100	5	028.020.100	
TR 25-125	5	028.025.125	
TR 27-125	5	028.027.125	
TR 30-150	5	028.030.150	
TR 40-150	5	028.040.150	

For hexagonal socket head screws  
Ball end, hexagonal shank



O29

mm			
2x100	10	029.020.100	
2,5x100	10	029.025.100	
3x100	10	029.030.100	
4x100	10	029.040.100	
5x100	10	029.050.100	
6x125	10	029.060.125	

Nut driver



O30

mm			
4x125	5	030.040.125	
4,5x125	5	030.045.125	
5x150	5	030.050.150	
5,5x150	5	030.055.150	
6x150	5	030.060.150	
7x150	5	030.070.150	
8x150	5	030.080.150	
9x150	5	030.090.150	
10x150	5	030.100.150	
13x150	5	030.130.150	
14x150	5	030.140.150	

For Robertson (square) head screws



O31

mm			
1x100	10	031.001.100	
2x125	10	031.002.125	
3x150	10	031.003.150	

Bit holder 1/4", magnetic



O32.1/4

inches			
1/4	5	032.1/4.125	

Bit holder 1/4"  
Flexible blade, magnetic



O32

inches			
1/4"	5	032.001.125	

Flexible spinner handle 1/4"



O37

Hex			
1/4"	5	037.001.115	

Bit holder and bits set



232

Hex.	Bits		
1/4	30	1	232.030

032.1/4.125

<b>59S/</b> 0.5x3.0 - 0.6x4.5 - 0.8x5.5 - 1.0x5.5 - 1.2x6.5 - 1.2x8.0	
<b>59S/PH</b> PH0 - PH1 - PH2 - PH3 - PH4	
<b>59S/PZ</b> PZ0 - PZ1 - PZ2 - PZ3 - PZ4	
<b>59S/T</b> T10 - T15 - T20 - T25 - T30 - T40	
<b>59S/H</b> 3 - 4 - 5 - 6	
<b>59S/R</b> #1 - #2 - #3 - #4	

Throughblade  
For slotted head screws, hexagonal shank



O38

mm			
5,5x100	5	038.055.100	
6,5x125	5	038.065.125	
8,0x150	5	038.080.150	
10x175	5	038.100.175	
12x200	5	038.120.200	
14x200	5	038.140.200	

Through blade set, 6 pcs  
For slotted and Phillips head screws



202.020

	1	202.020	

O38

5,5\*100, 6,5\*125, 8\*150

O39

PH1\*100, PH2\*125, PH3\*150

Throughblade  
For Phillips head screws, hexagonal shank



O39

PH-mm			
1-100	5	039.001.100	
2-125	5	039.002.125	
3-150	5	039.003.150	
4-200	5	039.004.200	

Throughblade set, 6 pcs  
For slotted and Pozidriv head screws



202.021

	1	202.021	

O38

5,5\*100, 6,5\*125, 8\*150

O40

PZ1\*100, PZ2\*125, PZ3\*150

Throughblade  
For Pozidriv head screws, hexagonal shank



O40

PZ-mm			
1-100	5	040.001.100	
2-125	5	040.002.125	
3-150	5	040.003.150	

Insulated slotted tip screwdriver



O33



mm			
0,5x3,0x100	10	033.030.100	
0,6x3,5x100	10	033.035.100	
0,8x4,0x100	10	033.040.100	
1,0x5,5x125	10	033.055.125	
1,2x6,5x175	10	033.065.150	
1,2x8,0x175	10	033.080.175	
1,6x10x200	10	033.100.200	

Insulated Phillips tip screwdriver



O34



PH-mm			
0-100	10	034.000.100	
1-150	10	034.001.150	
2-175	10	034.002.175	
3-200	10	034.003.200	

Insulated Pozidriv tip screwdriver



O35



PZ-mm			
0x100	10	035.000.100	
1x150	10	035.001.150	
2x175	10	035.002.175	
3x200	10	035.003.200	

Insulated nut driver



O36



Hex.-mm			
5,5x125	5	036.055.125	
6,0x125	5	036.060.125	
7,0x125	5	036.070.125	
8,0x125	5	036.080.125	
10x125	5	036.100.125	
13x125	5	036.130.125	

Tekno+ set, 5 pcs



202.001



1 202.001

<b>022</b>	3.0x100, 4.0x125		
<b>020</b>	6.5x150		
<b>023</b>	PH-1x100, PH2x125		

Tekno+ set, 6 pcs



202.006



1 202.006

<b>022</b>	3*100, 4*125		
<b>020</b>	5.5*125, 6.5*150		
<b>025</b>	PZ1*100, PZ2*125		

Tekno+ set, 7 pcs



202.008



1 202.008

<b>022</b>	3*100, 4*125		
<b>020</b>	5.5*125, 6.5*150, 8*175		
<b>025</b>	PZ1*100, PZ2*125		

Tekno+ set, 6 pcs



202.005



1 202.005

<b>022</b>	3.0*100, 4.0*125		
<b>020</b>	5.5*125, 6.5*150		
<b>023</b>	PH1*100, PH2*125		

Tekno+ set, 7 pcs



202.007



1 202.007

<b>022</b>	3.0*100, 4.0*125		
<b>020</b>	5.5*125, 6.5*150, 8*175		
<b>023</b>	PH1*100, PH2*125		

Tekno+ set, 5 pcs



202.001-PC



1 202.001-PC

<b>022</b>	3x100, 4x125		
<b>020</b>	5.5x125		
<b>023</b>	PH1x100, PH2x125		

Tekno+ set, 6 pcs



202.005-PC



1 202.005-PC

<b>022</b> 0.5x3, 0.8x4	
<b>020</b> 1x5.5, 1.2x6.5	
<b>023</b> PH1x100, PH2x125	

Tekno+ set, 6 pcs



202.006-PC



1 202.006-PC

<b>022</b> 0.5x3, 0.8x4	
<b>020</b> 1x5.5, 1.2x6.5	
<b>025</b> PZ1, PZ2	

Insulated screwdriver set, 7 pcs



202.030



1 202.030

<b>033</b> 3*100, 4*100, 5.5*125, 6.5*150	
<b>034</b> PH0*100, PH1*150, PH2*175	

Insulated screwdriver set, 7 pcs



202.031



1 202.031

<b>033</b> 3*100, 4*100, 5.5*125, 6.5*150	
<b>035</b> PZ0*100, PZ1*150, PZ2*175	

Insulated screwdriver set, 6 pcs + tester



202.035



1 202.035

<b>033</b> 3*100, 4*100, 5.5*125	
<b>034</b> PH0*100, PH1*150, PH2*175	
<b>806-1-2</b>	

Tekno+ screwdriver set, 7pcs  
In zip case



202.013



1 202.013

<b>022</b> 3*100, 4*125	
<b>020</b> 5.5*125, 6.5*150, 8*175	
<b>023</b> PH1*100, PH2*125	

Insulated screwdriver set 7 pcs  
In zip case



202.033

mm		
		1 202.033

<b>033</b>		
3*100, 4*100, 5.5*125, 6.5*150		
<b>034</b>		
PH0*100, PH1*150, PH2*175		

Insulated screwdriver set 7 pcs  
In zip case



202.032

mm		
		1 202.032

<b>033</b>		
3*100, 4*100, 5.5*125, 6.5*150		
<b>035</b>		
PZ0*100, PZ1*150, PZ2*175		

Interchangeable blades set  
With 11 blades, 22 tips



350.011

mm		
		1 350.011

<b>351.130.140 - 351.155.165</b>		
3 - 4 - 5 - 6.5		
<b>351.200.201 - 351.202.203</b>		
PH 0 - PH 1 - PH 2 - PH 3		
<b>351.310.315 - 351.320.325 - 351.330.340</b>		
T 10 - T 15 - T 20 - T 25 - T 30 - T 40		
<b>351.430.440 - 351.450.460</b>		
3 - 4 - 5 - 6		
<b>351.500.501 - 351.502.503</b>		
PZ 0 - PZ 1 - PZ 2 - PZ 3		
<b>351.000.000</b>		

Wallet with interchangeable blades  
8 blades, 16 tips



350.008.1

mm		
		1 350.008.1

<b>351.130.140 - 351.155.165</b>		
3-4 : 5.5-6.5 mm		
<b>351.200.201 - 351.202.203</b>		
PH0-PH1; PH2-PH3		
<b>351.310.315 - 351.320.325</b>		
T10-T15 ; T20-T25		
<b>351.430.440 - 351.450.460</b>		
3-4 ; 5-6mm		
<b>351.000.000</b>		

Wallet with interchangeable blades  
8 blades, 16 tips



350.008.2

mm		
		1 350.008.2

<b>351.500.501 - 351.502.503</b>		
PZ0-PZ1 ; PZ2-PZ3		
<b>351.310.315 - 351.320.325</b>		
T10-T15 ; T20-T25		
<b>351.130.140 - 351.155.165</b>		
3-4 ; 5.5-6.5mm		
<b>351.430.440 - 351.450.460</b>		
3-4 ; 5-6mm		
<b>351.000.000</b>		

## 800-SERIES SCREWDRIVERS

Screwdriver for slotted screws



811

mm		
----	--	--

0.8x4.0x75	10	811-4-75
0.8x4.0x100	10	811-4-100
1.0x5.5x25	10	811-5.5-25
1,0x5,5x100	10	811-5.5-100
1,0x5,5x125	10	811-5.5-125
1.2x6.5x25	10	811-6.5-25
1,2x6,5x125	10	811-6.5-125
1,2x6,5x150	10	811-6.5-150
1,6x8,0x150	10	811-8-150
1.6x8.0x175	10	811-8-175
1,6x10x200	10	811-10-200
2.0x12x250	10	811-12-250
2.4x14x250	10	811-14-250
0.8x4x100	1	SB811-4-100
1.0x5.5x25	1	SB811-5.5-25
1,0x5,5x100	1	SB811-5.5-100
1,0x5,5x125	1	SB811-5.5-125
1.2x6.5x25	1	SB811-6.5-25
1,2x6,5x125	1	SB811-6.5-125
1,2x6,5x150	1	SB811-6.5-150
1,2x8,0x150	1	SB811-8-150
1.6x8x175	1	SB811-8-175
1,6x10x200	1	SB811-10-200
2x12x250	1	SB811-12-250

### Electrician's screwdriver for slotted screws



813

mm		
0,4x2,5x75	10	813-2,5-75
0,5x3,0x75	10	813-3-75
0,5x3,0x100	10	813-3-100
0,5x3,0x200	10	813-3-200
0,6x3,5x100	10	813-3,5-100
0,8x4,0x100	10	813-4-100
0,8x4,0x125	10	813-4-125
0,8x4,0x250	10	813-4-250
1,0x5,5x125	10	813-5,5-125
1,0x5,5x150	10	813-5,5-150
1,0x5,5x300	10	813-5,5-300
1,2x6,5x150	10	813-6,5-150
1,2x6,5x300	10	813-6,5-300
0,4x2,5x75	1	SB813-2,5-75
0,5x3,0x75	1	SB813-3-75
0,5x3,0x100	1	SB813-3-100
0,6x3,5x100	1	SB813-3,5-100
0,8x4,0x100	1	SB813-4-100
0,8x4,0x125	1	SB813-4-125
1,0x5,5x125	1	SB813-5,5-125
1,0x5,5x150	1	SB813-5,5-150
1,2x6,5x150	1	SB813-6,5-150

### Screwdriver for Phillips head screws



815

PH - mm		
PH 0 x 75	10	815-0-75
PH 0 x 200	10	815-0-200
PH 1 x 25	10	815-1-25
PH 1 x 100	10	815-1-100
PH 1 x 250	10	815-1-250
PH 2 x 25	10	815-2-25
PH 2 x 125	10	815-2-125
PH 2 x 300	10	815-2-300
PH 3 x 150	10	815-3-150
PH 4 x 200	10	815-4-200
PH 0 x 75	1	SB815-0-75
PH 1 x 25	1	SB815-1-25
PH 1 x 100	1	SB815-1-100
PH 1 x 250	1	SB815-1-250
PH 2 x 25	1	SB815-2-25
PH 2 x 125	1	SB815-2-125
PH2 x 200	1	SB815-2-200
PH 3 x 150	1	SB815-3-150

### Screwdriver for Pozidriv head screws



816

PZ - mm		
PZ 0 x 75	10	816-0-75
PZ 1 x 25	10	816-1-25
PZ 1 x 100	10	816-1-100
PZ 2 x 25	10	816-2-25
PZ 2 x 125	10	816-2-125
PZ 3 x 150	10	816-3-150
PZ 0 x 75	1	SB816-0-75
PZ 1 x 100	1	SB816-1-100
PZ 2 x 25	1	SB816-2-25
PZ 2 x 125	1	SB816-2-125
PZ 3 x 150	1	SB816-3-150

### Screwdriver for TORX® head screws



818

T mm		
T6 x 75	10	818-6-75
T7 x 75	10	818-7-75
T8 x 75	10	818-8-75
T9 x 75	10	818-9-75
T10 x 75	10	818-10-75
T15 x 100	10	818-15-100
T20 x 100	10	818-20-100
T25 x 125	10	818-25-125
T27 x 125	10	818-27-125
T30 x 150	10	818-30-150
T40 x 150	10	818-40-150
T6 x 75	1	SB818-6-75
T7 x 75	1	SB818-7-75
T10 x 75	1	SB818-10-75
T15 x 100	1	SB818-15-100
T20 x 100	1	SB818-20-100
T25 x 125	1	SB818-25-125
T30 x 150	1	SB818-30-150
T40 x 150	1	SB818-40-150

### Screwdriver for tamper resistant TORX® head screws



818TR

TORX		
T 10 x 75	10	818-TR10-75
T 15 x 100	10	818-TR15-100
T 20 x 100	10	818-TR20-100
T 25 x 125	10	818-TR25-125
T 30 x 150	10	818-TR30-150

### Screwdriver for hexagon socket head screws



819

mm		
2,0 x 100	10	819-2-100
2,5 x 100	10	819-2,5-100
3,0 x 100	10	819-3-100
4,0 x 100	10	819-4-100
5,0 x 100	10	819-5-100
6,0 x 125	10	819-6-125
8,0 x 150	5	819-8-150

### Nut driver



817-hex

mm		
5	5	817-5-125
5,5	5	817-5,5-125
6	5	817-6-125
7	5	817-7-125
8	5	817-8-125
9	5	817-9-125
10	5	817-10-125
11	5	817-11-125
12	5	817-12-125
13	5	817-13-125



Bit holder 1/4"



820-1/4-125

Hex - L		
1/4" - 35	5	820-1/4-35
1/4" - 125	5	820-1/4-125
1/4" - 125	1	SB820-1/4-125

Insulated screwdriver  
For slotted head screws



813VDE

mm		
0,4x2,5x100	10	813VDE-2.5-100
0,5x3,0x100	10	813VDE-3-100
0,6x3,5x100	10	813VDE-3,5-100
0,8x4,0x100	10	813VDE-4-100
1,0x5,5x125	10	813VDE-5,5-125
1,2x6,5x150	10	813VDE-6,5-150
1,2x8,0x175	10	813VDE-8-175
1,6x10x200	10	813VDE-10-200
2,0x12x200	10	813VDE-12-200
0,4x2,5x100	1	SB813VDE-2.5-100
0,5x3,0x100	1	SB813VDE-3-100
0,6x3,5x100	1	SB813VDE-3,5-100
0,8x4,0x100	1	SB813VDE-4-100
1,0x5,5x125	1	SB813VDE-5,5-125
1,2x6,5x150	1	SB813VDE-6,5-150
1,2x8,0x175	1	SB813VDE-8-175

Insulated screwdriver  
For Phillips head screws



815VDE

PH mm		
PH 0 x 100	10	815VDE-0-100
PH 1 x 150	10	815VDE-1-150
PH 2 x 175	10	815VDE-2-175
PH 3 x 200	10	815VDE-3-200
PH 4 x 200	10	815VDE-4-200
PH 0 x 100	1	SB815VDE-0-100
PH 1 x 150	1	SB815VDE-1-150
PH 2 x 175	1	SB815VDE-2-175
PH 3 x 200	1	SB815VDE-3-200

Insulated screwdriver  
For Pozidriv head screws



816VDE

PZ mm		
PZ 0 x 100	10	816VDE-0-100
PZ 1 x 150	10	816VDE-1-150
PZ 2 x 175	10	816VDE-2-175
PZ 3 x 200	10	816VDE-3-200
PZ 0 x 100	1	SB816VDE-0-100
PZ 1 x 150	1	SB816VDE-1-150
PZ 2 x 175	1	SB816VDE-2-175

Insulated nut driver



817V

mm		
6	5	817V-6
7	5	817V-7
8	5	817V-8
10	5	817V-10
13	5	817V-13

Awl



814

Ø mm		
6,0 x 100	10	814-100
6,0 x 100	1	SB814-100

Reamer



817

Ø mm		
6,0 x 100	10	817-100
6,0 x 100	1	SB817-100

Screwdriver set, 4 pcs, for slotted, and Phillips head screws



800-4

1		800-4

813-	0.8x4x100 mm	
811-	1.0x5.5x100 mm	
815-	PH 1x100 PH 2x125	

Screwdriver set, 6 pcs, for slotted, and Phillips head screws



804-6

1		804-6

813-	0.5x3x75 0.8x4x100 mm	
811-	1.0x5.5x100 1.2x6.5x125 mm	
815-	PH 1x100 PH 2x125	

Screwdriver set, 6 pcs for slotted, Phillips and Pozidriv head screws



805-6



1 805-6

<b>813</b>	①	
3*75, 4*100		
<b>815</b>	⊕	
1*100, 2*125		
<b>816</b>	⊕	
1*100, 2*125		

Screwdriver set, 6 pcs, slotted Pozidriv head screws



806-6



1 806-6

<b>813-</b>	①	
0.5x3x75 0.8x4x100 mm		
<b>811-</b>	①	
1.0x5.5x100 1.2x6.5x125 mm		
<b>816-</b>	⊕	
PZ 1x100 PZ 2x125		

Screwdriver set, 6 pcs, for TORX® head screws



810-6



1 810-6

<b>818</b>	⊕	
T10x75, T15x100, T20x100, T25x125, T27x125, T30x150		

Screwdriver set, 5 pcs, for Pozidriv and TORX® head screws



807-5



1 807-5

<b>816-</b>	⊕	
PZ 1x100 PZ 2x125		
<b>818-</b>	⊕	
T10x75 T15x100 T25x125		

Screwdriver set, 9 pcs, for slotted and Phillips head screws



808-9



1 808-9

<b>813-</b>	①	
0.5x3x75 0.8x4x100 mm		
<b>811-</b>	①	
1.0x5.5x100 1.2x6.5x125 1.2x8x150 mm		
<b>815-</b>	⊕	
PH0x75 PH1x100 PH2x125 PH3x150		

Screwdriver set, 10 pcs, for slotted, Phillips and Pozidriv head screws



808-10



1 808-10

<b>813</b>	①	
3.5x100		
<b>815</b>	⊕	
PH2x125		
<b>816</b>	⊕	
PZ1x100, PZ 2x125		
<b>816 -25</b>	⊕	
PZ2x25		
<b>818</b>	⊕	
T15x100 T20x100 T25x125		
<b>814</b>		

Nut driver set, 5 pce  
5.5-7-8-10-13 mm



809-5



1 809-5

817-

5,5-7-8-10-13 mm

Screwdriver set, 6 pce, for slotted and Phillips head screws



804-6-TS



1 804-6-TS

813

0.5x3x100 0.8x4x125 1x5.5x150

815

PH1x100 PH2x125

806-1-2

800-series set, 5 pcs



806-5-BL



1 806-5-BL

813

0.5x3x100, 0.8x4x125

811

1.2x6.5x150

816

PZ-1, PZ-2

Screwdriver set, 5 pce, for TORX® head screws



810-5



1 810-5

818-

T10x75 T15x100 T20x100 T25x125 T30x150

800-series set, 5 pce



804-5-BL



1 804-5-BL

813

0.5x3x100, 0.8x4x125

811

1.2x6.5x150

815

PH1x100, PH2x125

800-series set, 6 pce



804-6-BL



1 804-6-BL

813

0.5x3x75, 0.8x4x100

811

1x5.5x125, 1.2x6.5x150

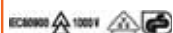
815

PH-1x100, PH-2x125

Insulated screwdriver set, 5 pce  
Slotted 3.0-4.0-5.5 & PZ 1-2



820VDE



1 820VDE-5

813VDE

3.5-100 4-100 6.5-150 mm



816VDE

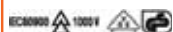
PZ1-150 PZ2-175



Insulated screwdriver, 5 pce, for slotted  
Phillips head screws



822VDE



1 822VDE-5

813VDE

3-100 4-100 5.5-125 mm



815VDE

PH1-150 PH2-175



Insulated screwdriver set, 6 pce



824VDE-6



1 824VDE-6

813VDE

0.4X2.5X100, 0.8X4X100, 1X5.5X125, 1.2X6.5X150



815VDE

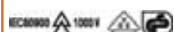
PH1X150, PH2X175



Insulated screwdriver set, 6 pcs



826VDE-6-BL



1 826VDE-6-BL

813VDE

0.5X3X75, 0.8X4X100, 1X5.5X125, 1.2X6.5X150



815VDE

PH1X150, PH2X175



## PREMIUM SCREWDRIVERS

Slotted screwdriver



190

mm		
0,8x4,0x75	10	190.040.075
0,8x4,0x100	10	190.040.100
1,0x5,5x100	10	190.055.100
1,0x5,5x125	10	190.055.125
1,2x6,5x125	10	190.065.125
1,2x6,5x150	10	190.065.150
1,6x8,0x150	10	190.080.150
1,6x8,0x175	10	190.080.175
1,6x10x200	10	190.100.200
2,0x12x250	10	190.120.250

Slotted screwdriver



191

mm		
0,4x2,5x75	10	191.025.075
0,5x3,0x75	10	191.030.075
0,5x3,0x100	10	191.030.100
0,5x3,0x200	10	191.030.200
0,6x3,5x100	10	191.035.100
0,8x4,0x100	10	191.040.100
0,8x4,0x125	10	191.040.125
0,8x4,0x250	10	191.040.250
1,0x5,5x125	10	191.055.125
1,0x5,5x150	10	191.055.150
1,0x5,5x300	10	191.055.300
1,2x6,5x150	10	191.065.150
1,2x6,5x300	10	191.065.300

Phillips screwdriver



192

PH-mm		
0-75	10	192.000.075
0-200	10	192.000.200
1-100	10	192.001.100
1-250	10	192.001.250
2-125	10	192.002.125
2-300	10	192.002.300
3-150	10	192.003.150
4-200	10	192.004.200

Pozidriv screwdriver



193

PZ-mm			
0-75	10	193.000.075	
1-100	10	193.001.100	
2-125	10	193.002.125	
3-150	10	193.003.150	
4-200	10	193.004.200	

TORX® screwdriver



194

T			
4x75	10	194.004.075	
5x75	10	194.005.075	
6x75	10	194.006.075	
7x75	10	194.007.075	
8x75	10	194.008.075	
9x75	10	194.009.075	
10x75	10	194.010.075	
15x100	10	194.015.100	
20x100	10	194.020.100	
25x125	10	194.025.125	
27x125	10	194.027.125	
30x150	10	194.030.150	
40x150	10	194.040.150	

Tamper resistant TORX® screwdriver



141

T			
TR 7x75	5	141.007.075	
TR 8x75	5	141.008.075	
TR 9x75	5	141.009.075	
TR 10x75	5	141.010.075	
TR 15x100	5	141.015.100	
TR 20x100	5	141.020.100	
TR 25x125	5	141.025.125	
TR 27x125	5	141.027.125	
TR 30x150	5	141.030.150	
TR 40x150	5	141.040.150	

Phillips screwdriver stubby



195PH

PH-mm			
1x25	10	195.001.025	
2x25	10	195.002.025	

Slotted screwdriver stubby



195

mm			
5,5x25	10	195.055.025	
6,0x25	10	195.060.025	

Pozidriv screwdriver stubby



195PZ

PZ-mm			
1x25	10	195.901.025	
2x25	10	195.902.025	

Hexagonal ball end screwdriver



143

mm			
2,5x100	10	143.025.100	
3,0x100	10	143.030.100	
4,0x100	10	143.040.100	
5,0x100	10	143.050.100	
6,0x125	10	143.060.125	

Nut driver



198

mm			
3,2x125	5	198.032.125	
4,0x125	5	198.040.125	
4,5x125	10	198.045.125	
5,0x150	5	198.050.150	
5,5x150	5	198.055.150	
6,0x150	5	198.060.150	
7,0x150	5	198.070.150	
8,0x150	5	198.080.150	
9,0x150	5	198.090.150	
10x150	5	198.100.150	
11x150	5	198.110.150	
12x150	5	198.120.150	
13x150	5	198.130.150	
14x150	5	198.140.150	

Magnetic bit holder 1/4"



705

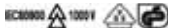
Hex.			
1/4	5	705.1/4.125	



Insulated slotted tip screwdriver



196



mm		
0,4x2,5x100	10	196.025.100
0,5x3,0x100	10	196.030.100
0,6x3,5x100	10	196.035.100
0,8x4,0x100	10	196.040.100
1,0x5,5x125	10	196.055.125
1,2x6,5x150	10	196.065.150
1,2x8,0x175	10	196.080.175
1,6x10x200	10	196.100.200
2,0x12x200	10	196.120.200

Insulated Phillips screwdriver



197



PH-mm		
0-100	10	197.000.100
1-150	10	197.001.150
2-175	10	197.002.175
3-200	10	197.003.200
4-200	10	197.004.200

Insulated Pozidriv screwdriver



142



PZ-mm		
0-100	10	142.000.100
1-150	10	142.001.150
2-175	10	142.002.175
3-200	10	142.003.200

Insulated nut driver



199



mm		
5,0x125	5	199.050.125
5,5x125	5	199.055.125
6,0x125	5	199.060.125
7,0x125	5	199.070.125
8,0x125	5	199.080.125
9,0x125	5	199.090.125
10x125	5	199.100.125
11x125	5	199.110.125
12x125	5	199.120.125
13x125	5	199.130.125

Premium set in blister, 6 pcs



219.100

		1 219.100

<b>190</b>	5.5*125, 6.5*125	
<b>191</b>	3.5*100 4.0*125	
<b>192</b>	PH0*75 PH1*100	

Premium set in blister, 7 pcs



219.101

		1 219.101

<b>190</b>	6.5*125 8.0*150	
<b>191</b>	3.5*100 4.0*125 5.5*150	
<b>192</b>	PH1*100, PH2*125	

Premium set in blister, 8 pcs



219.102

		1 219.102

<b>190</b>	5.5*125, 6.5*125, 8*150	
<b>192</b>	PH0*75 PH1*100 PH2*125	
<b>195</b>	6.5*25	
<b>195 PH</b>	PH2*25	









Premium set in blister, 7 pcs



219.105  

1 219.105

- 190**    
6.5\*125 8.0\*150
- 191**    
3.5\*100 4.0\*125 5.5\*150
- 193**    
PZ1\*100, PZ2\*125

Premium TORX® set in blister, 5 pce



219.110 

Pcs.  

1 219.110

- 194**    
T10 T20 T25 T30 T40

Premium set of 6 pcs







Premium set of 7 pcs



219.001  

1 219.001

- 190**    
6.5\*125 8.0\*150
- 191**    
3.5\*100 4.0\*125 5.5\*150
- 192**    
PH1\*100, PH2\*125







Premium set in blister, 5 pcs



219.109  

1 219.109







- 190**    
4\*100 6.5\*125
- 191**    
3.5\*100
- 192**    
PH1\*100, PH2\*125



219.000  

1 219.000

- 190**    
5.5\*125, 6.5\*125
- 191**    
3.5\*100 4.0\*125
- 192**    
PH0\*75 PH1\*100









Premium set of 8 pcs



219.002  

1 219.002

- 190**    
5.5\*125, 6.5\*125, 8\*150
- 192**    
PH0\*75, PH1\*100, PH2\*125
- 195**    
6.5\*25
- 195 PH**    
PH2\*25

Premium set of 8 pcs



219.003



1 219.003

<b>190</b>	5.5*125, 6.5*125, 8.0*150		
<b>193</b>	PZ0*75, PZ1*100, PZ2*125		
<b>195 PH</b>	PH2*25		
<b>195</b>	6.5*25		

Premium set of 7 pcs



219.005



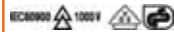
1 219.005

<b>190</b>	6.5*125 8.0*150		
<b>191</b>	3.5*100 4.0*125 5.5*150		
<b>193</b>	PZ1*100, PZ2*125		

Premium set of 7 pcs  
Insulated screwdrivers



219.600



1 219.600

<b>196</b>	3*100, 4*100, 5.5*125, 6.5*150		
<b>197</b>	PH0*100, PH1*150, PH2*175		

Premium set of 7 pcs  
Insulated screwdrivers



219.605



1 219.605

<b>196</b>	3*100, 4*100, 5.5*125, 6.5*150		
<b>142</b>	PZ0*100, PZ1*150, PZ2*175		

Premium set of 7 pcs  
Insulated screwdrivers



219.601



1 219.601

<b>196</b>	3*100, 4*100, 5.5*125		
<b>197</b>	PH0*100, PH1*150, PH2*175		
<b>806-1-1</b>			

Premium insulated screwdrivers set 7 pcs



219.602



1 219.602

<b>196</b>	3*100, 4*100, 5.5*125, 6.5*150		
<b>142</b>	PZ0*100, PZ1*150, PZ2*175		

## 600-SERIES SCREWDRIVERS

### Slotted screwdriver



611

mm		
0,6x3,5x50	10	611-3.5-50
0,6x3,5x75	10	611-3.5-75
0,6x3,5x100	10	611-3.5-100
0,8x4,0x75	10	611-4-75
0,8x4,0x100	10	611-4-100
1,0x5,5x100	10	611-5.5-100
1,0x5,5x125	10	611-5.5-125
1,2x6,5x25	10	611-6.5-25
1,2x6,5x125	10	611-6.5-125
1,2x6,5x150	10	611-6.5-150
1,2x8,0x150	10	611-8-150
1,2x8,0x175	10	611-8-175
1,6x10x200	10	611-10-200

### Slotted screwdriver



613

mm		
0,5*3,0*75	10	613-3-75
0,5*3,0*100	10	613-3-100
0,6*3,5*100	10	613-3.5-100
0,8*4,0*100	10	613-4-100
0,8*4,0*125	10	613-4-125
1,0*5,5*125	10	613-5.5-125
1,2*5,5*150	10	613-5.5-150
1,2*6,5*150	10	613-6.5-150

### Phillips screwdriver



615

PH		
0	10	615-0-75
1	10	615-1-100
2	10	615-2-25
2	10	615-2-125
3	10	615-3-150

### Pozidriv screwdriver



616

PZ		
0	10	616-0-75
1	10	616-1-100
2	10	616-2-125
3	10	616-3-150

### TORX® screwdriver



618

Torx		
T-10	10	618-10-75
T-15	10	618-15-100
T-20	10	618-20-100
T-25	10	618-25-125
T-27	10	618-27-125
T-30	10	618-30-150
T-40	10	618-40-150

### Round AWL



614

mm		
100	10	614-100

### Reamer



617

mm		
100	10	617-100

### Insulated slotted screwdriver



623

mm		
0.5x3.0x100	10	623-3-100
0.6x3.5x100	10	623-3.5-100
0.8x4.0x100	10	623-4-100
1.0x5.5x125	10	623-5.5-125
1.2x6.5x150	10	623-6.5-150

### Insulated Phillips screwdriver



625PH

PH		
0	10	625-0-100
1	10	625-1-150
2	10	625-2-175

Screwdriver set 600-series  
Slotted 3, 5.5 and PH 1



600-3



1 600-3

<b>613</b>	3"100		
<b>611</b>	5.5"125		
<b>615</b>	PH1"100		

Screwdriver set 600-series  
Slotted 3, 4, 6.5 and PH 1, 2



604-5



1 604-5

<b>613</b>	3"100		
<b>611</b>	4"100 6.5"125		
<b>615</b>	PH1"100 PH2"125		

Screwdriver set 600-series  
Slotted 3, 4, 5.5, 6.5 and PH 1, 2



606-6



1 606-6

<b>611</b>	5.5"100 6.5"125		
<b>613</b>	3"75 4"100		
<b>615</b>	PH1"100, PH2"125		

Screwdriver set 600-series  
Slotted 3, 5.5, 6.5 and PH 1



602-4



1 602-4

<b>613</b>	3"100 6.5"150		
<b>611</b>	5.5"125		
<b>615</b>	PH1"100		

Screwdriver set 600-series  
Slotted 3, 4, PH1, PH2, PZ1, PZ2



605-6



1 605-6

<b>613</b>	3"75 4"100		
<b>615</b>	PH1"100 PH2"125		
<b>616</b>	PZ1"100 PZ2"125		

Screwdriver set 600-series  
Slotted 3, 4, 5.5, 6.5 and PH 0, 1



608-6



1 608-6

<b>611</b>	5.5"100 6.5"125		
<b>613</b>	3.0"75 4.0"100		
<b>615</b>	PH0"75 PH1"100		

Screwdriver set 600-series  
Slotted 3, 4, 5.5, 6.5 and PZ 1, 2



610-6



1 610-6

<b>611</b>	5.5*100 6.5*125	
<b>613</b>	3.0*75 4.0*100	
<b>616</b>	PZ1*100 PZ2*125	

Screwdriver set 600-series  
TORX® T10, T15, T20, T25, T30



612-5



1 612-5

<b>618</b>	T10 T15 T20 T25 T30	
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Insulated screwdriver set 600-series  
Slotted 3, 4, 5.5, 6.5 and PH 1, 2



620-6



1 620-6

<b>623</b>	3*100, 4*100, 5.5*125 6.5*150	
<b>625</b>	PH1*150, PH2*175	

### 9000-SERIES SCREWDRIVERS

Screwdriver with wooden handle  
Slotted head screws



9710

mm		
0,6x3,5x75	10	9710-3.5-75
1x5,5x100	10	9710-5.5-100
1,2x6,5x125	10	9710-6.5-125
1,2x8x150	5	9710-8-150
1,6x10x175	5	9710-10-175

Screwdriver with wooden handle  
Phillips head screws



9778

PH mm		
1-80	5	9778-1
2-110	10	9778-2
3-150	5	9778-3

Screwdriver with wooden handle  
Poizdriv head screws



9778PZD

PZ mm		
1-80	10	9778PZD-1
2-110	10	9778PZD-2

Screwdriver set, 6 pce, wooden handle  
Slotted, Phillips head screws



9710/S6



1 9710/S6

<b>9710</b>	0.8x4,5x90 1x5,5x100 1,2x6,5x125 1,2x8x150 mm	
<b>9778</b>	PH 1x80 PH 2x110	

### 8000/9000 SERIES SCREWDRIVERS

Throughblade  
For slotted head screws



9715

mm		
2,5x14x250	5	9715-14-250



5 9715-14-250



Reversible blade screwdriver



8052	
mm	
1.0x6.0x80	5 8052

## RATCHETING SCREWDRIVERS

Ratcheting screwdriver



808050		
Drive	L mm	
1/4"	255	1 808050

LED light ratcheting screwdriver



808050L		
Drive	L mm	
1/4	250	25 808050L
3 bat.	AG-3, 4.5 V	1 808050L-SP1

Pistol handle ratcheting screwdriver



808050P		
Drive	L mm	
1/4"	260	50 808050P

Pistol grip ratcheting screwdriver set 25 pcs



808050P-		
pcs	mm	
25	285x158x70	10 808050P-25

Stubby T handle ratcheting screwdriver



808050TS		
Drive	L mm	
1/4"	95	1 808050TS

Stubby ratcheting screwdriver



808050S		
Drive	L mm	
1/4"	95	1 808050S

Stubby ratcheting screwdriver sets, 18 and 22 pcs



808050S-		
Pcs.	Sizes	
18	195x130x46	30 808050S-18
22	195x130x46	30 808050S-22

Bit holder 1/4"



808050A/TORX		
Drive	L mm	
1/4"	230	1 808050A
1/4"	230	50 808050TORX

1000V Ratcheting screwdriver with interchangeable blades set, 6pcs



808061	
	5 808061

8010SL, 8220SL, 8040SL, 8050SL	
0.4x2.5, 0.5x3.0, 0.8x4.0, 1.0x5.5	
8610SL, 8620SL	
PH1x100, PH2x100	
808060	



1000V Ratcheting screwdriver with interchangeable blades set, 6pcs



808062



mm	
36x122	5 808062

8010SL, 8220SL, 8040SL, 8050SL

0.4x2.5, 0.5x3.0, 0.8x4.0, 1.0x5.5

8810SL, 8820SL

PZ1x100, PZ2x100

808060

1000V Ratcheting screwdriver to be used with interchangeable blades



808060



mm	
36x122	1 808060

Insulated interchangeable blades with reduced diameter for slotted head screws, 100mm



8010SL-2P - 8050SL-2P



mm	
0.4x2.5	1 8010SL-2P

Insulated interchangeable blades with reduced diameter for Phillips head screws, 100mm



8610SL-2P - 8620SL-2P



PH	
1	1 8610SL-2P

Insulated interchangeable blades with reduced diameter for Pozidriv head screws, 100mm



8810SL-2P - 8820SL-2P



PZ	
1	1 8810SL-2P
2	1 8820SL-2P

Insulated interchangeable blades with reduced diameter for slotted/Phillips (Combi) head screws, 100mm



8510SL-2P - 8520SL-2P



mm/PH	
5.0/PH1	1 8510SL-2P
6.0/PH2	1 8520SL-2P

Insulated interchangeable blades with reduced diameter for slotted/Pozidriv(Combi) head screws, 100mm



8710SL-2P - 8720SL-2P



mm/PZ	
5.0/PZ1	1 8710SL-2P
6.0/PZ2	1 8720SL-2P

Insulated interchangeable blades with reduced diameter for TORX® head screws, 100mm



8910SL-2P- 8930SL-2P



T	
10	1 8910SL-2P
15	1 8915SL-2P
20	1 8920SL-2P
25	1 8925SL-2P
30	1 8930SL-2P

## PRECISION SCREWDRIVERS

Precision screwdrivers, slotted



700

mm	
1x50	5 700-1-50
1.2x50	5 700-1.2-50
1.5x50	5 700-1.5-50
1.8x50	5 700-1.8-50
2x50	5 700-2-50
2x75	5 700-2-75
2.5x50	5 700-2.5-50
2.5x100	5 700-2.5-100
3x50	5 700-3-50
3x100	5 700-3-100
3x200	5 700-3-200
3.5x75	5 700-3.5-75
4x75	5 700-4-75
4x250	5 700-4-250

Precision screwdrivers, Phillips



701

mm	
PH 00	5 701-00-50
PH 0	5 701-0-50
PH 0-200	5 701-0-200
PH 1	5 701-1-75
PH 1	5 701-1-250

Precision screwdrivers Pozidriv





<b>702</b>		
mm		
PZ 0	5	702-0-50
PZ 1	5	702-1-75



Precision screwdrivers, TORX®





<b>703</b>		
mm		
T-4	5	703-4-50
T-5	5	703-5-50
T-6	5	703-6-50
T-7	5	703-7-50
T-8	5	703-8-50
T-9	5	703-9-50
T-10	5	703-10-50
T-15	5	703-15-75
T-20	5	703-20-75



Precision screwdrivers, ball end



<b>704</b>		
mm		
1.5x50	5	704-1.5-50
2X50	5	704-2-50
2.5X50	5	704-2.5-50
3X75	5	704-3-75
3/32X75	5	704Z-3/32







Precision screwdrivers set 6 pcs



<b>706-1</b>		
		
	1	706-1







<b>700</b>		
1.5*50 2.0*50 2.5*50 3.0*50		
<b>701</b>		
PH0*50 PH1*75		

Precision screwdrivers set 6 pcs



<b>706-2</b>		
		
	1	706-2





<b>700</b>		
1.0*50 1.2*50 1.5*50 1.8*50		
<b>701</b>		
PH00*50 PH0*50		

Precision screwdrivers set 6 pcs



<b>706-3</b>		
		
	1	706-3






<b>700</b>		
1.0*50 1.2*50 1.5*50 1.8*50 2.0*50 2.5*50		

Precision screwdrivers set 7 pcs



<b>706-4</b>		
		
	1	706-4













<b>700</b>		
1.5*50 2.5*50 3.5*75		
<b>701</b>		
PH0*50 PH1*75		
<b>703</b>		
T6*50 T8*50		

Precision screwdrivers set 24pcs



<b>706-5</b>		
		
	1	706-5



<b>700</b>		
1.0*50 1.2*50 1.5*50 1.8*50 2.0*50 3.0*50 3.5*75 4*75		
<b>701</b>		
PH00*50 PH0*50 PH1*75		
<b>702</b>		
PZ0*50 PZ1*75		
<b>703</b>		
T6*50 T7*50 T8*50 T9*50 T10*50 T15*75 T20*75		
<b>704</b>		
H1.5*50 H2*50 H2.5*50 H3*75		

## Precision screwdriver sets



98505/510031/510033

mm	PH		
0.6 ----2.5		5	98505
1.0 ----3.5		5	510031
	000-00-0	5	510033

## Precision screwdriver, 4 blades



510034

mm		
1,5-2-2,5-3	10	510034

## Watchmaker's screwdriver, with brass handle



2784

mm		
2,5	1	2784-2.5
3,5	1	2784-3.5
4,5	1	2784-4.5

## ELECTRONIC SCREWDRIVERS

Electronic screwdriver for slotted head and grub screws



73721

mm		
0,4x2x63	10	73721-2-63
0,4x2,5x75	10	73721-2.5-75
0,5x3x80	10	73721-3-80

## T-HANDLE SCREWDRIVERS

T-handle, hexagonal



900T

mm		
2x100	5	900T-020-100
2.5x100	5	900T-025-100
3x100	5	900T-030-100
4x150	5	900T-040-150
5x150	5	900T-050-150
6x200	5	900T-060-200
8x200	5	900T-080-200
10x200	5	900T-100-200

T-handle, Torx®



901T

T		
T-6	5	901T-006-100
T-7	5	901T-007-100
T-8	5	901T-008-100
T-9	5	901T-009-100

T		
T-10	5	901T-010-100
T-15	5	901T-015-150
T-20	5	901T-020-150
T-25	5	901T-025-150
T-27	5	901T-027-150
T-30	5	901T-030-200
T-40	5	901T-040-200
T-45	5	901T-045-200
T-50	5	901T-050-200

T-handle, nut driver



902T

mm		
5	5	902T-050-150
5.5	5	902T-055-150
6	5	902T-060-150
7	5	902T-070-175
8	5	902T-080-175
9	5	902T-090-175
10	5	902T-100-175
11	5	902T-110-175
12	5	902T-120-175
13	5	902T-130-175

T handle bit holder



904T

Square		
1/4"	5	904T-060-150

T handle socket driver 1/4"



905T

square  
1/4" 5 905T-060-100

Nut driver T-handle set 6 pcs  
5-6-7-8-10-13 mm



903T-3

1 903T-3

902T

5 - 6 - 7 - 8 - 10 - 13 mm

Hexagonal T-handle set 6 pcs  
3-4-5-6-8-10 mm



903T-1

1 903T-1

900T

3-4-5-6-8-10 mm

TORX® T-handle set, 6 pcs  
T-10, T-15, T-20, T-25, T-30, T-40



903T-2

1 903T-2

901T

T 10, T 15, T 20, T 25, T 30, T 40

### SPECIAL SCREWDRIVERS

Insulated screwdriver, voltage tester



806

mm	Quantity	Model
0,6x3x65	6	806-1-1
3,5	6	806-1-2
3	6	806-1-3

Insulated screwdriver, voltage tester



8045LVDE

mm	Quantity	Model
0,5x3,5x42	10	8045LVDE

Insulated screwdriver, voltage tester



8045VDE

mm	Quantity	Model
0,5x3,5x77	10	8045VDE

Reversible screwdriver  
Slotted, PH



1019/1067/13561

mm	PH	Quantity	Model
6	PH-2	10	1019
4,5	PH-1	10	1067
6,0	PH-2	10	13561

Reversible blade, stubby screwdriver



1016

mm	PH	Quantity	Model
1x6x20	PH 2	10	1016

Reversible blades set  
6 blades



6			
mm	PH		
3,5-5,0-6,5	PH-0,1,2	1	6

Trimming tool



2252			
mm			
170		1	2252

Magnetising and demagnetising box



M780			
mm			
50x52x29		1	M780

Magnetizer - demagnetizer



M781			
mm			
320x110x30		5	M781

Bicycle tool set



BKE850901			
		10	BKE850901

OFFSET SCREWDRIVERS

Offset hexagon keys, metric, nickel finish



1997M			
mm			
3,5	10	1997M-3.5	
4	10	1997M-4	
4,5	10	1997M-4.5	
5	10	1997M-5	
6	10	1997M-6	
7	10	1997M-7	

mm			
8	10	1997M-8	
9	10	1997M-9	
10	10	1997M-10	
11	10	1997M-11	
12	5	1997M-12	
14	5	1997M-14	
16	1	1997M-16	
17	1	1997M-17	
19	1	1997M-19	

Offset hexagon key sets, nickel finish



1997M/T			
mm			
	1	1997M/7T	
	1	1997M/10T	
	1	1997M/11T	

1997M/7T			
2 3 4 5 6 7 8 mm			
1997M/10T			
1.5 2 2.5 3 3.5 4 4.5 5 6 8 mm			
1997M/11T			
2 3 4 5 6 7 8 9 10 11 12 mm			

Offset hexagon screwdriver set, nickel finish 9 pcs



BE-9778			
pcs			
	1	BE-9778	

BE-9778			
1.5 2 2.5 3 4 5 6 8 10 mm			

Folding hexagon key set, 7 pcs



1999M/7H

mm	
2,5-10	1 1999M/7H

Offset hexagon key, nickel finish



1998M

mm	
1.5	10 1998M-1.5
2.0	10 1998M-2
2.5	10 1998M-2.5
3.0	10 1998M-3
4.0	10 1998M-4
5.0	10 1998M-5
6.0	10 1998M-6
7.0	10 1998M-7
8.0	10 1998M-8
9.0	5 1998M-9
10.0	5 1998M-10
12.0	5 1998M-12
14.0	1 1998M-14
17.0	1 1998M-17
19.0	1 1998M-19
22.0	1 1998M-22

Metric sets nickel finish



1998M/

Pcs	
1	1998M/6T
1	1998M/8T
1	1998M/10T
1	1998M/11T
1	1998M/15T

<b>1998M/6T</b>	
2.2.5 3 4 5 6 mm	
<b>1998M/8T</b>	
2.2.5 3 4 5 6 7 8 mm	
<b>1998M/10T</b>	
2.2.5 3 4 5 6 7 8 9 10 mm	
<b>1998M/11T</b>	
2.2.5 3 4 5 6 7 8 9 10 12 mm	
<b>1998M/15T</b>	
2.2.5 3 4 5 6 7 8 9 10 12 14 17 19 22 mm	

Offset hexagon key set, metric, nickel finish, 9 pcs



BE-9878

Pcs	
1	BE-9878

<b>BE-9878</b>	
1.5 2.2.5 3 4 5 6 8 10 mm	

Offset hexagon key set, metric, nickel finish, 8 pcs on a ring



1998M/8R

Pcs	
1	1998M/8R

<b>1998M/8R</b>	
2.2.5 3 4 5 6 7 8 mm	

For hexagon socket head screws, 12pcs



BE-9880

inch	
0.050-5/16	3 BE-9880

<b>BE-9880</b>	
0.050 1/16 5/64 3/32 7/64 1/8 9/64 5/32 3/16 7/32 1/4 5/16	

Offset hexagon key, black finish



1995M

mm	
0.9	10 1995M-0.9
1.5	10 1995M-1.5
2.0	10 1995M-2
2.5	10 1995M-2.5
3.0	10 1995M-3
4.0	10 1995M-4
5.0	10 1995M-5
6.0	10 1995M-6
7.0	10 1995M-7
8.0	10 1995M-8
9.0	10 1995M-9
10	10 1995M-10
12	10 1995M-12



mm		
14	10	1995M-14
17	10	1995M-17
19	10	1995M-19
22	10	1995M-22

Hexagon offset screwdriver, metric, black



1995LM

mm		
1.5	10	1995LM-1.5
2	10	1995LM-2
2.5	10	1995LM-2,5
3.0	10	1995LM-3
4.0	10	1995LM-4
5.0	10	1995LM-5
6.0	10	1995LM-6
7.0	10	1995LM-7
8.0	10	1995LM-8
9.0	10	1995LM-9
10	10	1995LM-10
12	10	1995LM-12
14	10	1995LM-14

Offset hexagon key sets, metric, black finish



1995M/

1		1995M/6T
1		1995M/8T
1		1995M/10T
1		1995M/11T
1		1995M/15T

<b>1995M/6T</b>	2.2.5 3 4 5 6 mm	
<b>1995M/8T</b>	2.2.5 3 4 5 6 7 8 mm	
<b>1995M/10T</b>	2.2.5 3 4 5 6 7 8 9 10 mm	
<b>1995M/11T</b>	2.2.5 3 4 5 6 7 8 9 10 12 mm	
<b>1995M/15T</b>	2.2.5 3 4 5 6 7 8 9 10 12 14 17 19 22 mm	

Offset hexagon set, black finish, 9 pcs



BE-9578

pcs		
1		BE-9578

<b>BE-9578</b>	1.5 2 2.5 3 4 5 6 8 10 mm
----------------	---------------------------

Folding hexagon key set, metric, 7 pcs



BE-9777B

mm		
2.5-10	6	BE-9777B

Folding hexagon key set, metric



BE-9776/BE-9777

mm		
1,5-6	6	BE-9776
2,5-10	6	BE-9777

Offset long series hexagon key set, 9 pcs



BE-9586/BE-9588

pcs		
1		BE-9586
1		BE-9588

<b>BE-9586</b>	1.5 2 2.5 3 4 5 mm
<b>BE-9588</b>	1.5 2 2.5 3 4 5 6 8 10 mm

Offset hexagon key, inch, black finish



1995Z

inch		
1/16	10	1995Z-1/16
5/64	10	1995Z-5/64
3/32	10	1995Z-3/32
1/8	10	1995Z-1/8
5/32	10	1995Z-5/32
3/16	10	1995Z-3/16
7/32	10	1995Z-7/32
1/4	10	1995Z-1/4
5/16	10	1995Z-5/16
3/8	10	1995Z-3/8
7/16	10	1995Z-7/16
1/2	10	1995Z-1/2
5/8	10	1995Z-5/8
3/4	10	1995Z-3/4

Offset hexagon key set, inch, black finish



1995Z/

Pcs	
1	1995Z/10T
1	1995Z/12T

1995Z/10T

1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8

1995Z/12T

1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2

Folding hexagon key set, inch



BE-9787

inch	
3/32-3/8	6 BE-9787

Offset long series ball end hexagon key, black finish



1996M

mm	
1.5	10 1996M-1.5
2.0	10 1996M-2
2.5	10 1996M-2.5
3.0	10 1996M-3
4.0	10 1996M-4
5.0	10 1996M-5
6.0	10 1996M-6
8.0	10 1996M-8
10	10 1996M-10
12	10 1996M-12

Offset long series ball end hexagon key set, metric, black finish



BE-9765/BE-9770

mm	
	3 BE-9765
	3 BE-9770

BE-9765

1.5 2 2.5 3 4 5 mm

BE-9770

1.5 2 2.5 3 4 5 6 8 10 mm

Offset ball end hexagon key set, metric, black finish, 9pcs



BE-9676/BE-9678

pcs	
1	BE-9676
1	BE-9678

BE-9676

1.5 2 2.5 3 4 5 mm

BE-9678

1.5 2 2.5 3 4 5 6 8 10 mm

Offset ball end hexagon key set, metric, black finish, magnetic, 9pcs



BE-9688

pcs	From/To	
9	1,5-10	1 BE-9688

BE-9688

1.5 2 2.5 3 4 5 6 8 10 mm

Offset ball end hexagon key set, inch, black finish



BE-9775-BE-9785

inch	
	3 BE-9775
	3 BE-9780
	3 BE-9785

BE-9775

5/64 3/32 1/4 1/8 1/16 5/32 3/16

BE-9780

0.05 1/16 5/64 3/32 7/64 1/8 9/64 5/32 3/16 7/32 1/4 5/16

BE-9785

0.05 1/16 5/64 3/32 7/64 1/8 9/64 5/32 3/16 7/32 1/4 5/16 3/8

Folding hexagon ball end key set, metric 2.5, 3, 4, 5, 6, 8, 10 mm



BE-9776B

mm	
2.5-10	6 BE-9776B

Offset TORX® key, black finish



1995TORX

Torx		
T-6	5	1995TORX-T6
T-7	5	1995TORX-T7
T-8	5	1995TORX-T8
T-9	5	1995TORX-T9
T-10	5	1995TORX-T10
T-15	5	1995TORX-T15
T-20	5	1995TORX-T20
T-25	5	1995TORX-T25
T-27	5	1995TORX-T27
T-30	5	1995TORX-T30
T-40	5	1995TORX-T40
T-45	5	1995TORX-T45
T-50	5	1995TORX-T50
T-55	5	1995TORX-T55
T-60	5	1995TORX-T60

Offset TORX® key sets, black finish



1995TORX/

Pieces		
1	1995TORX/4T	
1	1995TORX/7T	
1	1995TORX/11T	
1	1995TORX/13T	

<b>1995TORX/4T</b>	★	└─┘
T10 T20 T30 T40		
<b>1995TORX/7T</b>	★	└─┘
T10 T15 T20 T25 T27 T30 T40		
<b>1995TORX/11T</b>	★	└─┘
T7 T9 T10 T15 T20 T25 T27 T30 T40 T45 T50		
<b>1995TORX/13T</b>	★	└─┘
T6 T7 T8 T9 T10 T15 T20 T25 T27 T30 T40 T45 T50		

Offset TORX® key set, black finish, 8pcs



BE-9575

pcs		
1	BE-9575	

BE-9575

T9 T10 T15 T20 T25 T27 T30 T40

Offset TORX® key set, black finish, magnetic, 8 pcs



BE-9585

pcs		
1	BE-9585	

BE-9585

T9 T10 T15 T20 T25 T27 T30 T40

Folding TORX® key set



BE-8975B

T		
9-40	6	BE-8975B

Folding TORX® key set



BE-8975

T		
9-40	6	BE-8975

Offset ball end TORX® key, black finish



1996TORX

Torx		
9	5	1996TORX-T9
10	5	1996TORX-T10
15	5	1996TORX-T15
20	5	1996TORX-T20
25	5	1996TORX-T25
27	5	1996TORX-T27
30	5	1996TORX-T30
40	5	1996TORX-T40
45	5	1996TORX-T45
50	5	1996TORX-T50

Offset ball end TORX® key set, black finish



1996TORX/

1	1996TORX/5T	

1996TORX/5T

T-10 T-20 T-25 T-30 T-40

Offset ball end TORX® key set, black finish, 8 pcs



BE-9675



1 BE-9675

BE-9675

T9 T10 T15 T20 T25 T27 T30 T40

Offset TORX® key tamper resistant black finish



1986TORX

Torx		
TR-9	5	1986TORX-T9
TR-10	5	1986TORX-T10
TR-15	5	1986TORX-T15
TR-20	5	1986TORX-T20
TR-25	5	1986TORX-T25
TR-27	5	1986TORX-T27
TR-30	5	1986TORX-T30
TR-40	5	1986TORX-T40

Offset TORX® key tamper resistant set, black finish



1986TORX/

pieces		
7	1	1986TORX/7T

1986TORX/7T

TR-10, TR-15, TR-20, TR-25, TR-27, TR-30, TR-40

Folding TORX® key set, black finish



BE-8976B

Sizes	Pcs	
T9-T40	8	6 BE-8976B

Offset TORX® key, Tamper resistant set, black finish, 8 pcs



BE-8675

	1	BE-8675

BE-8675

TR-9 TR-10 TR-15 TR-20 TR-25 TR-27 TR-30 TR-40

Offset TORX PLUS® key, black finish



1976TORX

Torx		
IP-6	5	1976TORX-T6
IP-7	5	1976TORX-T7
IP-8	5	1976TORX-T8
IP-9	5	1976TORX-T9
IP-10	5	1976TORX-T10
IP-15	5	1976TORX-T15
IP-20	5	1976TORX-T20
IP-25	5	1976TORX-T25
IP-27	5	1976TORX-T27
IP-30	5	1976TORX-T30
IP-40	5	1976TORX-T40

Offset TORX PLUS® key set, black finish



1976TORX/

	1	1976TORX/5T

1976TORX/5T

IP10 IP20 IP25 IP30 IP40

Offset TORX PLUS® key set black finish, 8 pcs



BE-7675



1 BE-7675

BE-7675

IP9 IP10 IP15 IP20 IP25 IP27 IP30 IP40

Double offset screwdrivers, slotted head screws



2047



mm		
0,8x4	5	2047-0.8-4
1x5,5	5	2047-1.5-5
1,2x8	5	2047-1.2-8
1,6x10	1	2047-1.6-10
2x12	1	2047-2-12

Double offset screwdriver, Phillips head screws



2047PR



PH		
1-2	5	2047PR-1-2
3-4	5	2047PR-3-4

Double offset screwdriver, Pozidriv head screw



2047PZ



PZ		
PZ1, PZ2	5	2047PZ-1-2







## Pliers

## SIDE CUTTERS

Side cutting pliers with progressive edge  
For piano wire and softer materials like copper or plastic

ergo®



2101G

mm		
125	5	2101G-125
140	5	2101G-140
160	5	2101G-160
180	5	2101G-180
125	5	2101G-125IP
140	5	2101G-140IP
160	5	2101G-160IP
180	5	2101G-180IP

Chrome plated side cutting pliers with progressive edges  
For piano wire and softer materials like copper or plastic

ergo®



2101GC

mm		
125	5	2101GC-125IP
140	5	2101GC-140IP
160	5	2101GC-160IP
180	5	2101GC-180IP

Side cutting pliers for plastic  
Flush cut

ergo®



2101PG

mm		
160	5	2101PG-160

Side cutting pliers with progressive edge  
For piano wire and softer materials like copper or plastic



2101D

mm		
125	5	2101D-125
140	5	2101D-140
160	5	2101D-160
180	5	2101D-180
125	5	2101D-125IP
140	5	2101D-140IP
160	5	2101D-160IP
180	5	2101D-180IP

Side cutting pliers for heavy duty applications  
For piano and hard wire

ergo®



21HDG

mm		
140	5	21HDG-140
160	5	21HDG-160
180	5	21HDG-180
200	5	21HDG-200
140	5	21HDG-140IP
160	5	21HDG-160IP
180	5	21HDG-180IP
200	5	21HDG-200IP

Side cutting pliers angled at 14° for heavy-duty applications  
For piano and hard wire

ergo®



21HDG-A

mm		
140	5	21HDG-140A
160	5	21HDG-160A
180	5	21HDG-180A
200	5	21HDG-200A

Chrome-plated heavy duty side cutting pliers  
For piano and hard wire

ergo®



21HDGC

mm		
140	5	21HDGC-140IP
160	5	21HDGC-160IP
180	5	21HDGC-180IP
200	5	21HDGC-200IP

Side cutting pliers for heavy duty applications  
For piano and hard wire



21HDD

mm		
140	5	21HDD-140
160	5	21HDD-160
180	5	21HDD-180
200	5	21HDD-200
140	5	21HDD-140IP
160	5	21HDD-160IP
180	5	21HDD-180IP
200	5	21HDD-200IP

Side cutting pliers for plastic  
Flush cut



2100PD

mm	
150	5 2100PD-150

Side cutting pliers for plastic  
Flush cut, cutting edge at 45°



2145PD

mm	
150	5 2145PD-150

Side cutting pliers for plastic  
Flush cut, cutting plane at 90°



2190PD

mm	
150	5 2190PD-150

Side cutting pliers with progressive edges, insulated handles  
For piano wire and softer materials like plastic or copper



2101S

mm	
140	3 2101S-140
160	3 2101S-160
180	3 2101S-180
200	3 2101S-200

Chrome-plated side cutting pliers  
For hard steel wire



2666NB-2676NB

mm	
125	1 2666 NB
160	1 2674 NB

Chrome plated side cutting pliers  
For piano wire



2667B-2678B

mm	
125	1 2667 B
160	1 2676 B
200	1 2678 B

Chrome plated side cutting pliers, insulated  
For hard steel wire



2667NVDE-2676NVDE

mm	
160	1 2674 NVDE

Side cutting pliers



2171G

mm	
140	5 2171G-140
160	5 2171G-160
180	5 2171G-180

Power cutter with centric precision cutting edges  
For piano and soft wire



1520G

mm	
210	5 1520 G

Power cutter with centric precision cutting edges  
For piano and soft wire



1520D

mm	
210	5 1520 D

Chrome-plated end cutting pliers  
For hard steel wire



2686

mm	
160	1 2686

Combination pliers, PVC coated handles



2628D

mm	
160	5 2628 D-160
180	5 2628 D-180
200	5 2628 D-200

## END CUTTERS

Chrome-plated end cutting pliers  
For piano wire



527 GC

mm	
160	3 527 GC-160
200	3 527 GC-200

## COMBINATION PLIERS

Combination pliers

ergo®



2628G

mm	
160	5 2628 G-160
180	5 2628 G-180
200	5 2628 G-200
160	5 2628 G-160IP
180	5 2628 G-180IP
200	5 2628 G-200IP

Combination pliers, insulated handles



2628S

mm	
160	3 2628 S-160
180	3 2628 S-180
200	3 2628 S-200

Black finish end cutting pliers  
For piano wire



527D

mm	
160	3 527 D-160
200	3 527 D-200

Combination pliers, chrome-plated

ergo®



2628GC

mm	
160	5 2628 GC-160IP
180	5 2628 GC-180IP
200	5 2628 GC-200IP

Combination pliers, 2-component handles  
Reinforced cutting edge

ergo®



2630GC

mm	
160	5 2630GC-160IP
180	5 2630GC-180IP
200	5 2630GC-200IP

Combination pliers, PVC coated handles  
Reinforced cutting edges



### 2630D

mm	
160	5 2630D-160
180	5 2630D-180
200	5 2630D-200

Universal plier for electricians




### 2688D

mm	
250	1 2688D-250

Universal plier, American model  
Linesman



### 2640D

mm	
160	10 2640D-160
180	5 2640D-180
200	5 2640D-200

Combination pliers, chromated  
For hard steel wire



### 2665B

mm	
160	1 2665 B-160
180	1 2665 B-180
200	1 2665 B-200

Combination pliers-chromated  
For hard steel wire-insulated model



### 2665VDE




mm	
160	1 2665 VDE-160
180	1 2665 VDE-180
200	1 2665 VDE-200

Combination pliers



### 2678G

mm	
160	5 2678 G-160
180	5 2678 G-180
200	5 2678 G-200

## ergo® SNIPE NOSE PLIERS

Snipe nose pliers, long  
For hard steel wire



### 2430G

mm	
140	5 2430 G-140
160	5 2430 G-160
200	5 2430 G-200
140	5 2430 G-140 IP
160	5 2430 G-160 IP
200	5 2430 G-200 IP

Snipe nose pliers, long, chromated  
For hard steel wire




### 2430GC

mm	
140	5 2430 GC-140 IP
160	5 2430 GC-160 IP
200	5 2430 GC-200 IP

Snipe nose pliers, long, PVC coated handles  
For hard steel wire



### 2430D

mm	
140	5 2430 D-140
160	5 2430 D-160
200	5 2430 D-200
140	5 2430 D-140 IP
160	5 2430 D-160 IP
200	5 2430 D-200 IP

Snipe nose pliers long, insulated handles, hard steel wire



2430S



mm		
160	3	2430 S-160
200	3	2430 S-200

Snipe nose pliers, chromated  
For hard steel wire-insulated model



2457VDE/2456AVDE





mm		
160	1	2457 VDE
200	1	2456 AVDE

## ergo® SNIPE NOSE PLIERS, BENT TIP

Snipe nose pliers, bent tip 45°  
For hard steel wire




2427G

mm		
160	5	2427 G-160
200	5	2427 G-200
160	5	2427 G-160 IP
200	5	2427 G-200 IP

Snipe nose pliers, chromated  
For hard steel wire





2719SB/2457B/2456AB

mm		
140	1	2719 SB
160	1	2457 B
200	1	2456 AB

Snipe nose pliers




2470G

mm		
160	5	2470 G-160
190	5	2470 G-200

Snipe nose pliers, bent tip 60°, chromated  
For hard steel wire



2427GC

mm		
160	5	2427 GC-160IP
200	5	2427 GC-200IP

Snipe nose pliers, chromated  
For hard steel wire



2457/2456A

mm		
160	1	2457
200	1	2456 A

Extra long snipe nose plier



158-N

mm		
280	12	158-N

Snipe nose pliers, bent tip 60°  
Hard steel wire, PVC coated handles



2427D

mm		
160	5	2427 D-160
200	5	2427 D-200



Snipe nose pliers, bent



2477G-200

mm	
200	5 2477 G-200

Snipe nose pliers, bent tip 45°, chromated  
For hard steel wire



2456BVDE



mm	
210	1 2456 BVDE

Snipe nose pliers, bent tip 45°, chromated



2477BB

mm	
215	1 2477 BB

Snipe nose pliers, bent tip 45°, chromated  
For hard steel wire



2456BB

mm	
210	1 2456 BB

Extra long snipe nose plier  
With tips angled at 35°



158-NB

mm	
270	12 158-NB

## FLAT NOSE PLIERS

Flat nose pliers

**ergo**<sup>®</sup>



2420G

mm	
125	5 2420 G-125

Snipe nose pliers, bent tip 45°-chromated  
For hard steel wire



2456B

mm	
200	1 2456 B

## MACHINISTS PLIERS

Machinist's pliers-chromated



2477AB


mm	
200	1 2477 AB

Flat nose pliers

**ergo**<sup>®</sup>



2421G



mm	
140	5 2421 G-140
160	5 2421 G-160
180	5 2421 G-180
140	5 2421 G-140IP
160	5 2421 G-160 IP
180	5 2421 G-180 IP

Flat nose pliers, chromated

ergo®





2421GC

mm		
160	5	2421GC-160
180	5	2421GC-180IP

Flat nose pliers, chromated



2724B/2694B

mm		
125	1	2724 B
160	1	2694 B

Flat nose pliers



2471G

mm		
160	5	2471 G-160

Flat nose pliers, PVC coated handles



2421D

mm		
160	5	2421 D-160
140	5	2421 D-140IP
160	5	2421 D-160IP
180	5	2421 D-180IP

Flat nose pliers, chromated



2718


mm		
140	1	2718

Connector pliers

ergo®



7835G

mm		
160	5	7835 G-160

Flat nose pliers, chromated



2718B/2458B

mm		
140	1	2718 B
180	1	2458 B

Flat nose pliers, chromated, insulated model



2694VDE/2458VDE

mm		
160	1	2694 VDE
180	1	2458 VDE

Adjusting pliers, chromated



2713A

mm		
140	1	2713 A

Nut pliers




2979D

mm		
180/3-13	5	2979 D-180

Round nose pliers, PVC coated handles



2521D

mm		
140	5	2521 D-140
160	5	2521D-160

Insulated round nose pliers, chrome-plated



2698VDE

mm		
160	1	2698 VDE


ROUND NOSE PLIERS

Round nose pliers

ergo®




2521G

mm		
140	5	2521 G-140
160	5	2521 G-160 IP

Round nose pliers, chrome-plated



2727B/2698B

mm		
140	1	2727 B
160	1	2698 B


WIRE STRIPPERS

Wire stripping pliers  
For copper wire and cable

ergo®



2223G

mm		
150	5	2223 G-150

Round nose pliers, chrome-plated

ergo®



2521GC

mm		
160	5	2521GC-160

Round nose pliers, chromated, PVC coated handles



2727

mm		
140	1	2727

Wire stripping pliers  
For copper wire and cable

ergo®




2223GC

mm		
150	5	2223GC-150

Wire stripping pliers  
For copper wire and cable



2223D

mm	 
150	5 2223 D-150

Wire stripping pliers  
For copper wire and cables





3417NF

mm	 
160	1 3417 NF

Automatic stripper



3418 A

Strip. cap	Cutting cap	 
0.5-6.0 mm	2.0 mm	1 3418 A

Insulated wire stripping pliers  
For copper wire and cable



2223S

mm	 
150	5 2223 S-150

Insulated wire stripping pliers  
For copper wire and cables



3417NFVDE

mm	 
160	1 3417 NF VDE

Stripping tool for coax cables




3417 A

Strip. cap	 
4.8-7.5 mm	1 3417 A

Wire stripping pliers  
For copper wire and cables



3417NFB

mm	 
160	1 3417 NF B

Automatic cable stripping pliers



3416 A

Strip. cap	Cutting cap	 
0.5-6.0 mm	2.0 mm	1 3416 A

Wire stripping pliers  
For copper and aluminium wire



3419 A

strip cap	 
0.08-1.00	1 3419 A

Self-adjusting wire stripping pliers



3419 B

strip. cap



0.1-6.0  
1 3419 B  
1 3419 EB

Rotating dismantling tool  
3518ASH spare blade



3518 A

Strip. Cap



4-28 mm  
1 3518 A  
1 3518 A SH

Rotating dismantling tool  
3519ASH straight spare blade, 3519ASHB curved  
spare blade



3519 A

Strip. Cap.



4.5-28.5 mm  
1 3519 A  
1 3519 A SH  
1 3519 A SHB

PLASTIC WIRE TIE TOOL

Wire tie tensioning tool



790450A

mm



5.0 x 1.6  
1 790450A

Wire tie tensioning tool



790455A

mm



9.5 x 2.3  
1 790455A

FINE MECHANICAL CUTTERS AND PLIERS

Side cutter



4130, 4131

mm/cut



0,3-1,5/M  
0,3-1,5/F  
3 4130  
3 4131

Oblique cutters



4231

mm/cut



0,3-1,25/S  
3 4231

Oblique cutter 45°



4239

mm/cut



0,3-1,0/S  
3 4239

Flat nose pliers



4430

mm



26  
3 4430

Snipe nose pliers

ergo®



4830, 4831

mm		
25	3	4830
25	3	4831

Snipe nose pliers, bent tip 60°

ergo®



4833

mm		
23	3	4833

Round nose pliers

ergo®



4530

mm		
22	3	4530

Fine mechanical cutters and pliers set

ergo®



9733

	1	9733

<b>4130/4131</b>		
120 mm/Micro/Flush		
<b>4231</b>		
119 mm		
<b>4239</b>		
129 mm		
<b>4430</b>		
135 mm		
<b>4830</b>		
135 mm		
<b>4833</b>		
130 mm, 60°		
<b>4530</b>		
135 mm		

CRIMPING PLIERS

Pliers for crimping, cutting and stripping operations



CR B 01

L mm	Cut mm2	
220	0.75-6.00	5 CR B 01

Pliers for crimping, cutting and stripping operations



CR B 02

L mm	Cut mm2	
220	0.75-6.00	5 CR B 02

Pliers for crimping, cutting and stripping operations



CR B 03

L mm	Cut mm2	
220	0.75-6.00	5 CR B 03

Pliers for round pattern cable connections



CR B 05

L mm	Cri.cap mm2	
140	0.5-2.5	2 CR B 05

Pliers for round pattern cable connections



CR B 06

L mm	Cri.cap mm2	
220	0.5-16	2 CR B 06



Ratcheting crimping pliers for insulated connectors



CR W 01

L mm	Cri.cap. mm <sup>2</sup>	
225	0.5-6.0	1 CR W 01

Ratcheting crimping pliers for high quality crimping connections



CR W 04

L mm	Crim.cap.	
225	RG 58-59-62	1 CR W 04

Ratcheting crimping pliers for Western plugs



CR W 07

L mm	
205	1 CR W 07

Ratcheting crimping pliers for non insulated connectors



CR W 02

L mm	Cri.cap. mm <sup>2</sup>	
225	0.5-6.0	1 CR W 02

Ratcheting crimping pliers for tubular connectors



CR W 05

L mm	Cri.cap. mm <sup>2</sup>	
225	0.5-4.0	1 CR W 05

High leverage ratcheting crimping pliers for insulated connectors



CR HL 01

L mm	Cri.cap. mm <sup>2</sup>	
225	0.5-6.0	1 CR HL 01

Ratcheting crimping pliers for open plug type connectors



CR W 03

L mm	Cri.cap. mm <sup>2</sup>	
225	0.5-6.0	1 CR W 03

Ratcheting crimping pliers for tubular connectors



CR W 06

L mm	Cri.cap. mm <sup>2</sup>	
225	10-16	1 CR W 06

High leverage ratcheting crimping pliers for non-insulated connectors



CR HL 02

L mm	Cri.cap. mm <sup>2</sup>	
225	0.5-6.0	1 CR HL 02

High leverage ratcheting crimping pliers for open plug type connectors




CR HL 03

L mm	Crimp cap	
225	0.1-10.0	1 CR HL 03

High leverage ratcheting crimping pliers for tubular connectors



CR HL 06

L mm	Cri.cap. mm <sup>2</sup>	
225	10-16	1 CR HL 06

Heavy duty crimping pliers for non-insulated connectors




CR L 03

L mm	Cri.cap mm <sup>2</sup>	
650	25-150	1 CR L 03

High leverage ratcheting crimping pliers for coaxial cable terminals




CR HL 04

L mm	Crimp.cap.	
225	RG 58-59-62	1 CR HL 04

Heavy duty crimping pliers for non insulated connectors



CR L 01

L mm	Crim.cap. Cu	
600	10-120	1 CR L 01

## ELECTRICAL TESTERS

Voltage tester 6-400V



78802

V	
6-400	1 78802

High leverage ratcheting crimping pliers for tubular connectors



CR HL 05

L mm	Cri.cap. mm <sup>2</sup>	
225	0.14-6.00	1 CR HL 05

Heavy duty crimping pliers for non-insulated connectors



CR L 02

L mm	Cri.cap. mm <sup>2</sup>	
360	6-50	1 CR L 02

Voltage tester 6-690V



78803

V	
6-690	1 78803

## ELECTRONICS AND FINE MECHANICAL PLIERS

Diagonal cutter, oval head



2646M - 2649

mm/cut	
0,1-0,8/U	1 2646 M
0,2-1,25/M	1 2646 R
0,2-1,25/M *	1 2646 RK
0,1-1,0/U	1 2646 RA
0,3-1,6/M	1 2666
0,4-2,0/M	1 2649

Diagonal cutter, tapered head



2646 - 2648A

mm/cut	
0,2-1,25/M	1 2646
0,2-1,25/M*	1 2646 K
0,1-1,0/U	1 2646 A
0,1-1,0/U*	1 2646 AK
0,2-1,25/U	1 2666 FK
0,4-2,0/M	1 2648
0,3-1,6/U	1 2648 A

Oblique cutter 45°



2787F

mm/cut	
0,2-1,0/F	1 2787 F

Oblique cutter 45°



2787G

mm/cut	
0,2-0,8/F	1 2787 G

End cutters



2656/2656A

mm/cut	
0,35-0,8/F	1 2656

Flat nose plier



2646MF

mm	
20	1 2646 MF

Chain nose plier



2646MS

mm	
20	1 2646 MS

Snipe nose pliers



2656S

mm	
32	1 2656 S

Snipe nose pliers, bent tip 60°



2656R

mm	
29	1 2656 R

## CIRCLIP PLIERS

Circlip pliers internal



2800

Ø mm	
8-15	3 2800-140
12-25	3 2800-150
19-60	3 2800-180
40-100	3 2800-225
85-165	1 2800-300

### Circlip pliers internal



2890

Ø mm		
8-15	3	2890-125
12-25	3	2890-140
19-60	3	2890-180
40-100	3	2890-210
85-165	1	2890-300

### Circlip pliers external



2900

mm		
3-10	3	2900-140
10-25	3	2900-150
19-60	3	2900-180
40-100	3	2900-215
85-165	1	2900-300

### Circlip pliers external



2990

Ø mm		
3-10	3	2990-125
10-25	3	2990-140
19-60	3	2990-180
40-100	3	2990-200
85-165	1	2990-300

### Circlip pliers set



28-29/S4

mm	Ø mm	
180	19-60	1 28-29/S4

2900-180	
2990-180	
2800-180	
2890-180	

### Resettable pliers, internal & external circlips



2928-160



2928

Ø mm		
8-25 / 3-25	1	2928-160
10-48	1	2928-200
31-100	1	2928-250

### Set of circlip pliers



9938

1	9938
---	------

2928-160	
8-25 3-25	
2928-200	
10-48 10-48	
2928-250	
31-100 31-100	

### Spare tips for 2928 series



2928-1 - 4

Code		
2928-160	1	2928-1
2928-200	1	2928-2
2928-250	1	2928-3
2928-250	1	2928-4

### Circlip pliers internal



2461

Ø mm		
8-25	1	2461 C8
19-60	1	2461 C19
40-100	1	2461 C40

Circlip pliers internal



2463

Ø mm	
8-25	1 2463 D8
19-60	1 2463 D19
40-100	1 2463 D40

Circlip pliers external



2460

mm	
175	1 2460

Cable cutter  
For plastic insulated copper wire



2800N-2801N

mm	
170	1 2800 N
230	1 2801 N

Circlip pliers external



2464

Ø mm	
3-10	1 2464 A3
10-25	1 2464 A10
19-60	1 2464 A19
40-100	1 2464 A40

Special circlip pliers for slotted circlips



2465D

mm	
200	1 2465D-200

Cable cutter  
For copper and aluminium



2260G

mm	Cu/Al mm	
210	18	1 2260 G-210

CABLE CUTTERS

Cable cutting and stripping pliers  
For copper and aluminium wire



2233D

mm	
160	5 2233 D-160
200	5 2233 D-200
240	5 2233 D-240
160	5 2233D-160IP
200	10 2233D-200IP
240	5 2233D-240IP

Cable cutter  
For aluminium and copper



2520

mm	
550	1 2520
	1 2520-SH

Circlip pliers external



2466

Ø mm	
3-10	1 2466 B3
10-25	1 2466 B10
19-60	1 2466 B19
40-100	1 2466 B40

Copper cable cutter



2620-80

mm	
800	1 2620-80

Steel cable cutter



2720

mm	
600	1 2720
163	1 2720-SH

Steel cable cutter



2235-160

mm	
165	1 2235-160

Ratcheting cable cutter  
For copper and aluminium



2806CC

mm	Ø Cu/Al mm		
255	35/35	1	2806CC35
		1	2806CC35-AS1
		1	2806CC35-AS2
		1	2806CC35-SB1
		1	2806CC52
340	52/52	1	2806CC52-AS1
		1	2806CC52-AS2
		1	2806CC52-SB1
		1	2806CC52-SB2
		1	2806CC52-SB1

AS1: moveable handle  
set AS2: moveable blade set SB1: fixed blade

Ratcheting cable cutter  
For copper and aluminium



2804CC

mm	Ø Cu/Al mm		
440	62/62	1	2804CC62
		1	2804CC80-AS1
		1	2804CC62-AS2
		1	2804CC62-SB1
		1	2804CC80
560	80/80	1	2804CC80-AS2
		1	2804CC80-SB1
		1	2804CC62-AS1
		1	2804CC62-AS1
		1	2804CC62-AS1

Frontal access ratcheting cable cutter  
For copper and aluminium wire



2904CC

mm	Ø Cu/AL mm		
245	25/25	1	2904CC25
		1	2904CC25-SB1
		1	2904CC25-SB2
		1	2904CC35
330	35/35	1	2904CC35
		1	2904CC35-SB1
		1	2904CC35-SB2
		1	2904CC35-SB2

SB1 = fixed blade SB2 = moveable blade

Ratcheting cable cutter  
For copper and aluminium



2804-2805

Ø Cu/Al	Cu mm <sup>2</sup>		
16/32mm	240	1	2804
- /52mm	400	1	2805-280

BOLT CUTTERS

Bolt cutters



4559

mm	
320	1 4559-12
430	8 4559-18
600	6 4559-24
750	5 4559-30
900	1 4559-36
1060	1 4559-42

Spare cutting head for 4559 range



4559 JC

mm	
320	1 4559-12A JC
430	1 4559-18B JC
600	1 4559-24B JC
750	1 4559-30B JC
900	1 4559-36B JC
1060	1 4559-42A JC



Diagonal cutter



4560-210

mm		
210	1	4560-210

**GRIP AND WELDING PLIERS**

Grip with cutter, with wire cutter



2951

mm		
140	1	2951-140
180	1	2951-180
250	1	2951-250
300	1	2951-300

Jaw clamp for locking pliers



2951BV



2951BV-250

2951BV

mm	mm	
0-55		1 2951BV
0-55	250	1 2951BV-250

Grip with flat jaws and longitudinal section



2968

mm		
190	1	2968-190
235	1	2968-235

Grip with long and slim jaws



2952

mm		
165	1	2952-165
235	1	2952-235

Parallel grip pliers, self adjusting



2950

mm		
235	1	2950-250

Self grip pliers, curved jaws without cutter



2953

mm		
140	1	2953-140
190	1	2953-200
235	1	2953-250
300	1	2953-300

Grip with parallel jaws



2955

mm		
250	1	2955-250

Grip and welding plier, with parallel plus grip



2957

mm		
250	1	2957-250
300	1	2957-300

Grip with long slim jaws



2969

mm	
300	1 2969-300

Grip for tubes



2966

mm	
280	1 2966-280

Grip sheet metal



2967

mm	
180	1 2967-180

Grip with straight jaws



2958

mm	
135	1 2958-140
190	1 2958-200
250	1 2958-250
300	1 2958-300

Grip with C-Clamp



2963

mm	
280	1 2963-280
460	1 2963-450
580	1 2963-630

Locking chain clamp  
2999-SH = spare chain



2999

mm	
250	1 2999-250
300	1 2999-300
	1 2999-SH

Grip and locking U-clamp



2965

mm	
200	1 2965-200
280	1 2965-280

Grip with parallel C-clamp



2964

mm	
160	1 2964-160
280	1 2964-280
460	1 2964-450
630	1 2964-600

Chain pipe cutter  
2998-SH = spare chain



2998

mm	
250	1 2998-250
300	1 2998-300
	1 2998-SH

Universal grip pliers, short jaws, 4 positions



2997-250

mm	
235	1 2997-250

Universal grip pliers, long jaws, 4 positions



2997

mm	
255	1 2997-300

Automatic hand vices



2949

C * B (mm)	
32*30	1 2949-190IP
70*30	1 2949-200IP
70*62	1 2949-240IP
150*62	1 2949-250IP

## FENCING PLIERS

End cutter, fencing pliers, iron wire



2339D

mm	
220	3 2339 D
220	5 2339 DIP

End cutter, fencing pliers, iron wire



2339

mm	
220	6 2339-220IP
250	5 2339-250IP
280	5 2339-280IP
300	5 2339-300IP

Pincers, iron wire



541D

mm	
150	5 541 D-150
180	5 541D-180
200	5 541 D-200
225	5 541D-225
250	5 541 D-250

Nail puller



38

mm	
450	1 38

Compact nail puller with internal spring



36

mm	
220	5 36

Black finish side cutting pliers  
For piano wire



1519D

mm	
230	3 1519 D
	1 1519-9

## SLIP JOINT PLIERS

Slip joint pliers

ergo®



8223 - 8226

mm		
200	5	8223
250	5	8224
315	5	8225
400	1	8226
200	5	8223 IP
250	5	8224 IP
315	5	8225 IP

Slip joint pliers

ergo®



8224/8225C

mm		
250	5	8224CIP
315	5	8225CIP

Slip joint pliers, wide opening

ergo®



8231

mm		
225	5	8231
225	5	8231 IP

Quick adjust slip joint pliers



7224

mm		
200	5	7223
250	5	7224
300	2	7225

Slip joint pliers



2619LS

mm		
175	5	2619 LS-175
250	5	2619 LS-250
300	5	2619 LS-300

Slip joint pliers



2971G

mm		
250	5	2971G-250

Slip joint pliers



6224DC

mm		
250	5	6224 DC

Slip joint pliers



6224GC

mm		
250	5	6224 GC

Slip joint pliers



5223 - 5226 DC

mm		
190	5	5223 DC
250	5	5224 DC
300	2	5225 DC
400	1	5226 DC

Slip joint pliers



221 D - 225 D

mm		
117	5	221 D
150	5	222 D
192	5	223 D
240	5	224 D
305	5	225 D

Connector pliers



2650

mm		
235	1	2650
	1	2650 B

Pliers, 2 position



2970 G-200

mm		
200	5	2970G-200

PLIER SETS

Plumber's set

ergo®



9873

	1	9873

9072P

250 mm / 10"

8224

250 mm

Tool set in cardboard box

ergo®



9853

	1	9853

9071

200 mm / 8"

8224

250 mm

2101G

160 mm

Pliers set

ergo®



9897

	1	9897

8224

250 mm

2628G

180 mm

2101G

160 mm

2430G

160 mm

Insulated pliers set



9860S

1000V

	1	9860S

2101S-160

2628S-180

2430S-200

Pliers set



9801-BL



1 9801-BL

2101D-180



2430 D-200



2630 D-160



Pliers set

ergo®



9802-BL



1 9802-BL

2101GC-180



2430GC-200



2630GC-180



WIRE TWISTING PLIERS

Wire twisting pliers



2855

mm 1 2855

224 1 2855  
282 1 2855 D

RIVETING TOOLS

Riveting tools



2681

mm 12 2681

285

Hand riveter  
Capacity 2.4-5mm



1467-250

mm 1 1467-250

250

Spare jaws and nose pieces for 1467-250



1467-S

1467S

mm 1 1467-SJ

2.4 1 1467-S2,4

3.2 1 1467-S3,2

4.0 1 1467-S4

5.0 1 1467-S5

Long arm riveter  
Capacity = 3-6.40mm



1467-520

mm 1 1467-520

520

Extendible riveter



1467-320-850

mm 1 1467-320-850

320-850

Spare jaws and nose pieces for 1467-250



1467L

mm 1 1467-LJ

3.2 1 1467-L3,2

4.0 1 1467-L4

5.0 1 1467-L5

6.0 5 1467-L6

6.4 1 1467-L6,4





## Pipe wrenches & pipe tools

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## PIPE WRENCHES

Swedish model pipe wrench, 90°

**ergo**®



1410/1420

mm-inch	
335 - 1	1 1410
430 - 1 1/2	1 1420

Swedish model pipe wrench, 90°  
Chrome plated

**ergo**®



1175

mm-inch	
335 - 1	1 1175-1
430 - 1 1/2	1 1175-11/2

Swedish model pipe wrench, 90°



140-147

mm-inch	
215-3/4	1 140
280-1	1 141
370-1 1/2	1 142
555-2 1/2	1 143
720-3 1/2	1 144
1060-5	1 147

Corner pipe wrench, 45°



442 B-444 B

mm-inch	
320-1	1 442 B
430-2	1 443 B
535-2 1/2	1 444 B

Swedish model combination pipe wrench, 45°



341-344

mm-inch	
230-1/2	1 341
330-1	1 342
420-1 1/2	1 343
530-1 1/2	1 344

Swedish model combination pipe wrench, 45°



DOW177

mm-inch	
320-1	1 DOW 177-1/2-1
416-1 1/2	1 DOW 177-11/2
535-2	1 DOW 177-2

Swedish model pipe wrench, 90°



DOW175

mm-inch	
310-1	1 DOW 175-1
420-1 1/2	1 DOW 175-11/2
560-2	1 DOW 175-2
655-3	1 DOW 175-3

Swedish model corner wrench, 45°



DOW176

mm-inch	
314-1	1 DOW 176-1
456-1 1/2	1 DOW 176-11/2
570-2	1 DOW 176-2

Aluminium pipe wrench



380

Inch	
10	1 380-10
14	1 380-14
18	1 380-18
24	1 380-24
36	1 380-36
48	1 380-48

Stillson pipe wrench



361

mm-inches	
200-8	1 361-8
250-10	1 361-10
300-12	1 361-12
350-14	1 361-14
450-18	1 361-18
600-24	1 361-24
900-36	1 361-36

TUBE BENDERS AND SPARE PARTS

ERGO™ tube bender



600-

mm	
10	1 600-10
12	1 600-12
15	1 600-15

Tube bender spare parts



600-x-95

mm	
10	1 600-10-95
12	1 600-12-95
15	1 600-15-95

Tube bender



1084

mm	
250	5 1084

TUBE CUTTERS AND SPARE PARTS

Automatic tube cutter



306-

mm	
10	1 306-10
12	1 306-12
15	1 306-15
22	1 306-22

Spare cutting wheel



306-15-95

Tube cutter	
306	1 306-15-95

Tube cutter  
Spare wheel 301-22-95



301-22

Ø mm	
3-22	10 301-22
	1 301-22-95

Tube cutter  
Spare wheel 302-35-95



302-35

Ø mm	
8-35	4 302-35
	1 302-35-95

Tube cutter  
Spare wheel 302-76-95



302-76

Ø mm		
35-76	4	302-76
	1	302-76-95

## PLASTIC CUTTERS

Plastic tube cutter



311-32

Ø mm		
32	6	311-32

Plastic tube cutter  
Cutting blade 311-42-95



311-42

Ø mm		
42	6	311-42
	1	311-42-95

## TUBE REAMERS AND DEBURRER TOOLS

Pen reamer



316-1

mm		
143	12	316-1

Pen reamer  
Spare blade 316-2-95



316-2

mm		
150	12	316-2

Pen reamer  
Spare part for 316-2



316-2-95

	1	316-2-95

Wheel reamer



318-38/318-54

mm		
60	1	318-38
85	1	318-54

Wheel reamer



317-40

mm		
50	1	317-40

## SPECIAL PIPE WRENCHES

Basin wrench



363

mm		
280-460	1	363-32

Plastic strap wrench



375



1 375-8

Chain pipe wrench



370

mm



300

1 370-4

Heavy duty chain wrench



372

Inch



1.1/2	1 372-1.1/2
2.1/2	1 372-2.1/2
4	1 372-4
6	1 372-6
8	1 372-8
12	1 372-12

FLARING TOOLS AND SETS

Tube cutter and double flaring tool set  
Double flaring adapter: 3/16", 1/4", 5/16", 3/8" and 1/2"



4480/

mm



330x140x45

1 4480/2-ZD

WAD PUNCHES

Wad punch set, 11 pcs



400.003.020

Ø mm



3-20

1 400.003.020

Wad punch set, 16 pcs



400.003.030

Ø mm



3-30

1 400.003.030

Wad punches



B400

Ø mm



2	1 B400.002
3	1 B400.003
4	1 B400.004
5	1 B400.005
6	1 B400.006
7	1 B400.007
8	1 B400.008
9	1 B400.009
10	1 B400.010
11	1 B400.011
12	1 B400.012
13	1 B400.013
14	1 B400.014
15	1 B400.015
16	1 B400.016
17	1 B400.017
18	1 B400.018
19	1 B400.019
20	1 B400.020
21	1 B400.021
22	1 B400.022
23	1 B400.023
24	1 B400.024
25	1 B400.025
26	1 B400.026
27	1 B400.027
28	1 B400.028
29	1 B400.029
30	1 B400.030
31	1 B400.031
32	1 B400.032
33	1 B400.033
34	1 B400.034
35	1 B400.035
36	1 B400.036
37	1 B400.037
38	1 B400.038
39	1 B400.039
40	1 B400.040
41	1 B400.041
42	1 B400.042
43	1 B400.043
44	1 B400.044
45	1 B400.045
46	1 B400.046
47	1 B400.047
48	1 B400.048
49	1 B400.049
50	1 B400.050

### Revolving punch



2635

mm	
260	1 2635

### Revolving wad punch



4630

L mm	Cap Ø mm	
220	2.0-4.5	1 4630

### Screw punch set, 7 pcs



6907

mm	
16-63	1 69079019P

6900

16,20,25,32,40,50,63 mm

6909

M-8, M-10, M-12, M-14, M-20

### Spare screws for screw punches

## KNOCKOUT PUNCHES

### Screw hole punches



6900

Ø mm	
16	1 690000160
20	1 690000200
22	1 690000220
25	1 690000250
30	1 690000300
32	1 690000320
35	1 690000350
40	1 690000400
50	1 690000500
63	1 690000630



6909

M	Ø mm	
M8	16	1 690900080
M10	20-25	1 690900100
M12	30-35	1 690900120
M14	40-50	1 690900140
M20	63	1 690900200





## Air Tools




## IMPACT WRENCHES

Impact wrench 3/8"  
BPM916P with pinned anvil



BPM916

BPM916

RPM	BAR		
10,700	6.2	1	BPM916
10,700	6.2	1	BPM916P

Impact wrench 3/8"



BP816

RPM	BAR		
10,000	6.3	1	BP816

Impact wrench kit 3/8"  
Contains: 3/8" impact wrench, 11 impact sockets (10-24 mm) and a 1/4" male connector



BP816K1


RPM	BAR		
10,000	6.3	1	BP816K1

Impact wrench 1/2"  
BPM915P with pinned anvil and BPM915L with long anvil



BPM915

BPM915

RPM	BAR		
9,800	6.2	1	BPM915
9,800	6.2	1	BPM915P
9,800	6.2	1	BPM915L

Impact wrench 1/2"



BP815


RPM	BAR		
7,000	6.3	1	BP815

Impact wrench 1/2"  
BPM914P with pinned anvil and BPM914L with long anvil



BPM916

BPM914

RPM	BAR		
10,700	6.2	1	BPM914
10,700	6.2	1	BPM914P
10,700	6.2	1	BPM914L

Impact wrench 1/2"



BP814

RPM	BAR		
10,000	6.3	10	BP814

Impact wrench 1/2"  
Contains: 11 impact sockets (10-24 mm) and a 1/4" male connector



BPM915K1

RPM	BAR		
9,800	6.2	1	BPM915K1

Impact wrench kit 1/2"  
Contains: 1/2" impact wrench, 3 wheel sockets (17, 19 and 21 mm) and a 1/4" male connector



BPM915K2

RPM	BAR		
9,800	6.2	1	BPM915K2

Impact wrench kit 1/2"  
 Contains: 3/8" impact wrench, 11 impact sockets (10-24 mm) and a 1/4" male connector



BP815K1

RPM	BAR	
7,000	6.3	1 BP815K1

Impact wrench kit 1/2"  
 Contains: 1/2" impact wrench, magnetic holder and 3 wheel sockets (17,19, 21 mm in a case)



BP815K2

RPM	BAR	
7,000	6.3	1 BP815K2

Impact wrench 3/4"



BP817

RPM	BAR	
4,500	6.3	1 BP817

Impact wrench 1"



BP900

RPM	BAR	
3,900	6.3	1 BP900

Impact wrench 1" long anvil



BP900L

RPM	BAR	
3,900	6.3	1 BP900L

Impact wrench 1"




BP405

RPM	BAR	
4,000	6.3	1 BP405

Impact wrench boot  
 BPM91BS to be used with BPM914 and BPM916,  
 BPM91BL to be used with BPM915



BPM91B

mm	grs	
185x70x65	100	1 BPM91BL
140x65x50	70	1 BPM91BS

Impact wrench muffler kits  
 BPM91MK1 to be used with BPM914 and BPM916;  
 BPM91MK2 to be used with BPM915



BPM91MK

mm	grs	
25x25x30	5	1 BPM91MK1
50x25x30	10	1 BPM91MK2

## RATCHETS

Ratchet 1/4"



BP919

RPM	BAR	
235	6.2	1 BP919

Mini ratchet 1/4"



BP700

RPM	BAR		
300	6.3	1	BP700

Ratchet 3/8"



BP920

RPM	BAR		
235	6.2	1	BP920

Ratchet 3/8"



BP820

RPM	BAR		
270	6.3	1	BP820

Ratchet 1/2"



BP921

RPM	BAR		
200	6.2	1	BP921

Ratchet 1/2"



BP821

RPM	BAR		
150	6.3	1	BP821

Air ratchet boot  
BP91BS to be used with BP919 and BP920, BP91BL  
to be used with BP921



BP91B

mm	g		
60x40x35	12	1	BP91BL
45x30x30	6	1	BP91BS

 GRINDERS

Die grinder 6 mm



BP922

RPM	BAR		
25,000	6.2	1	BP922

Die grinder 6 mm  
\*includes 3 mm collet



BP822

RPM	BAR		
25,000	6.3	1	BP822

Die grinder 6 mm  
\*includes 3 mm collet



BP822E

RPM	BAR		
25000	6.3	10	BP822E

Angle die grinder 6 mm



BP922A

RPM	BAR		
25,000	6.2	1	BP922A

Angle die grinder 6 mm




BP115

RPM	BAR		
20,000	6.3	1	BP115

Disc grinder 5"





BP823

RPM	BAR		
10,000	6.3	1	BP823

Abrasive wheel 6 mm  
\*2 units in a blister



BP420M

Length mm	Diameter mm		
67	25	1	BP420M

Abrasive wheel 6 mm  
\*2 units in a blister



BP421M

Length mm	Diameter mm		
53	14	1	BP421M

Abrasive wheels 6 mm  
\*2 in a blister



BP422M

Length mm	Diameter mm		
46	26	1	BP422M

Abrasive wheels 6 mm  
\*2 in a blister



BP423M

Length mm	Diameter mm		
53	25	1	BP423M

Abrasive wheels 6 mm  
\*2 in a blister



BP424M

Length mm	Diameter mm		
57	19	1	BP424M

Abrasive wheels 3 mm  
\*2 in a blister



BP430M

Length mm	Diameter mm		
55	12	1	BP430M

Abrasive wheels 3 mm  
\*2 in a blister



BP431M

Length mm	Diameter mm		
48	13	1	BP431M

Abrasive wheels 3 mm  
\*2 in a blister



BP432M

Length mm	Diameter mm		
44	15	1	BP432M

Abrasive wheels 3 mm  
\*2 in a blister



BP433M

Length mm	Diameter mm		
43	14		
		1	BP433M

Abrasive wheels 3 mm  
\*2 in a blister



BP434M

Length mm	Diameter mm		
42	13		
		1	BP434M

Tyre buffer



BP117

RPM	BAR		
2500	6.3		
		1	BP117

Low revolutions grinder/tyre buffer with keyed chuck



BP118

RPM	BAR		
2500	6.3		
		1	BP118

Tyre buffer exhaust hose



BP117EH

mm	kg		
50x100x50	1		
		1	BP117EH

## CUT OFF TOOLS

Reversible cut off tool 3"/75 mm



BP110

RPM	BAR		
18,000	6.3		
		1	BP110

Extended cut off tool 4"/102 mm



BP111E

RPM	BAR		
15000	6.3		
		1	BP111E

## RECIPROCATING SAWS

Reciprocating saw



BP824

RPM	BAR		
10,000	6.3		
		1	BP824

## DRILLS

Reversible drill 13 mm  
\*Quick disc changing system without tools



BP825

RPM	BAR		
450	6.3		
		1	BP825

Drill 13 mm  
BP926KL with keyless chuck



BP926

BP926

RPM	BAR		
450	6.2		
450	6.2	1	BP926KL



Drill 10 mm  
BP925KL with keyless chuck



BP925

BP925

RPM	BAR		
2,500	6.2	1	BP925
2,500	6.2	1	BP925KL

Hammer set



BP909K

BPM	BAR		
2500	6.3	1	BP909K

Turning 10.2 mm edging chisel



BP909TE

mm	grs		
139	140	1	BP909TE

Turning 10.2 mm hammer chisel



BP909TH

mm	grs		
108	140	1	BP909TH

Turning 10.2 mm straight punch chisel



BP909TSP

mm	grs		
165	140	1	BP909TSP

Non turning 10.2 mm flat chisel



BP909NF

mm	grs		
190.5	230	1	BP909NF

## RIVETERS

Air riveter



BP125

kg	BAR		
2	6.3	1	BP125

## HAMMER CHISELS

Turning 10.2 mm flat chisel



BP909TF

mm	grs		
165	160	1	BP909TF

Turning 10.2 mm wide flat chisel



BP909TWF

mm	grs		
165	180	1	BP909TWF

Turning 10.2 mm tapered punch chisel



BP909TTP

mm	grs		
165	140	1	BP909TTP

## HAMMERS

Air hammer



BP909

BPM		
2500	1	BP909

Non turning 10.2 mm edging chisel



BP909NE

mm	grs		
178	180	1	BP909NE

## CARTRIDGE APPLICATOR

Cartridge applicator 310 ml



BP215

BAR			
2.5-5.2	1	BP215	

Palm orbital sander 2.5 mm



BP610

Disc Size	BAR		
152mmVelcro	6.3	1	BP610

## PNEUMATIC MARKERS

Pneumatic engraving pen



BP799

RPM	BAR		
13,000	6.3	1	BP799

## SURFACE CLEANER

Needle scaler  
19 needles 3 x 180 mm



BP127

BAR	Vibration		
6.3	8.7m/sec2	1	BP127

Orbital sander pad



BP51137

Disc Size	Velcro		
152mm	Yes	1	BP51137

Pneumatic engraving pen consumable



BP79912

1	BP79912		

## SANDERS

Palm orbital sander 5 mm



BP601

Disc Size	BAR		
152mmVelcro	6.3	1	BP601

Belt sander 10 mm



BP212

RPM	BAR		
16,000	6.3	1	BP212

Belt sander 20 mm



BP222

RPM	BAR		
16,000	6.3		1 BP222

Pack of 25 belts for belt sanders



BPN22201/21201

Belt Size			
10			1 BPN21201
20			1 BPN22201

Pistol grip sander set



BP204K

RPM	BAR		
15000	6.3		1 BP204K

Pistol grip sander



BP204

RPM	BAR		
15000	6.3		1 BP204

Sanding pad



BP204PAD

mm			
77			1 BP204PAD

## POLISHERS

7" angle polisher



BP809

RPM	BAR		
6.3	2500		1 BP809

7" Vertical polisher



BP810

RPM	BAR		
2500	6.3		1 BP810

## WINDSCREEN REMOVER

Windscreen remover



BP233

BAR	Blows/min		
6.3	20,000		1 BP233

## METAL SHEARS

Air shears  
Cutting capacity 1.6 mm aluminium/1.2 mm steel



BP811

RPM	BAR		
2,600	6.3		1 BP811

## BLADES & SCRAPERS

"U" Shaped blades  
\*2 in a blister



BPBU

Length mm	
18	1 BPBU18
24	1 BPBU24
36	1 BPBU36
60	1 BPBU60
90	1 BPBU90

Scraper  
\*2 units in a blister



BPBSC

Length mm	
15 mm	1 BPBSC156

Straight blades  
A: Flat shape; B: Jagged shape



BPBG

Flat mm	Jagged mm	
15		1 BPBG3515
25		1 BPBG3525A
	25	1 BPBG3525B

Offset com blades  
\*2 in a blister



BPBK

Length mm	
30	1 BPBK30

Offset 13 mm blades  
\*2 in a blister



BPBG5725/9057

Length mm	
57	1 BPBG5725
90	1 BPBG9057

## PAINT GUN

HVLP Painting spray gun



BPHVLP01

BAR	Weight kg	
2-2.8	0.7	1 BPHVLP01

Nozzle sets  
To be used with BPHVLP01



BPHVLP

mm	Weight Kg	
1.0	0.1	1 BPHVLP0110
1.2	0.1	1 BPHVLP0112
1.4	0.1	1 BPHVLP0114
1.7	0.1	1 BPHVLP0117
2.0	0.1	1 BPHVLP0120

## CLEANING TOOLS

Cleaning gun



BPNO10

RPM	BAR	
600-7500	6.2	1 BPNO10

## PNEUMATIC ACCESSORIES

Magnetic holder for impact wrenches  
Holds an impact wrench, four sockets and a torque wrench



BP500

Weight kg	
0.380	1 BP500

In line lubricator 1/4"



BPN251

AIR INLET	weight kg		
1/4"NPT	0.100	1	BPN251

Air hose reels



BPHRC815/1015

Hose diam	Hose length		
8	15	1	BPHRC815
10	14+1	1	BPHRC1015

Air hose reel



BPHRO1315

Hose diam	Hose length		
13	13+2	1	BPHRO1315

Filter regulator unit 1/2"  
Bowl capacity: 200 cc T° range -5°C-60°C



BP254

BAR	Max Flow		
1-8.5	3,800 L/min	1	BP254

Speed control adaptor for hose reels



BPHRSC

For BPHRC			
815 & 1015	1	BPHRSC	

Air spiral hose 10 mm



BPH1010

Hose Length	Air inlets		
10 m	1/4"-1/4"	1	BPH1010

Filter regulator lubricator unit 1/2"  
Bowl capacity: 200cc; T° range: -5°C-60°C



BP255

BAR	Max Flow		
1-8.5	3,800 L/min	1	BP255

Air hose reels



BPHRC1020/1316

Hose diam	Hose length		
10	20	1	BPHRC1020
13	15+1	1	BPHRC1316

Air spiral hose 13 mm



BPH1310

Hose length	Air Inlets		
10 m	1/2"-1/2"	2	BPH1310

Air connector female 1/4"  
Max pressure 14 bar; air flow 1600 l/min at 6 bar



BPQCF14

MaxPressure	Air flow	
14 bar	1600l/min	10 BPQCF14

## BLOW GUNS

Air blow gun



BP218

BAR	Weight kg	
6.3	0.15	1 BP218

## AIR GUNS

Air driver 1800 RPM 1/4"  
External adjustable clutch



BP826

RPM	BAR	
1,800	6.3	1 BP826

Air blow gun



BP219

BAR	Weight Kg	
6.3	0.13	1 BP219

Air screwdriver 800 RPM 1/4"  
External adjustable clutch



BP827

RPM	BAR	
800	6.3	1 BP827

Air blow gun with long nozzle  
Nozzle length 330 mm



BP219L

BAR	Weight Kg	
6.3	0.15	1 BP219L





## **Automotive speciality tools & equipment**

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## ENGINE TOOLS AND EQUIPMENT

Spark plug pliers



BE1P

Length mm	g		
290	310	1	BE1P

Spark plug socket, 3/8" square drive, magnetic  
Hex profile, metric/inch sizes



7406ZZ

inch	drive		
16 - 5/8"	3/8"	1	7406ZZ-16
21 - 13/16"	3/8"	1	7406ZZ-21

Spark plug sockets, 1/2" square drive  
Hex profile, metric sizes



7805ZZ

mm - inch	drive		
16 - 5/8"	1/2"	1	7805ZZ-16
21 - 13/16"	1/2"	1	7805ZZ-21

Spark plug socket, 3/8" square drive  
Hex profile, metric sizes



SBS71

mm - inch	drive		
16 - 5/8"	3/8"	1	SBS71-16
21 - 13/16"	3/8"	1	SBS71-21

Spark plug socket bi-hex 14 mm-3/8"  
L: 250 mm with retaining system



BE1SP14L

Sq. drive	Bi hex mm		
3/8"	14	1	BE1SP14L

Cardan spark plug wrenches



BE1T14/BE1T16/BE1T21

Pts	mm		
6	14	1	BE1T14
6	16	1	BE1T16
6	21	1	BE1T21

Spark plug thread restorer



BE110001	x1	-	
BE110002	x1	3/8"	
BE110014	x1	M14 X 1.25P	
BE110015	x1	M14 X 1.25P	
		M15.8 X 1.25P	
BE110038	x1	3/8"	
BE1100AC1	x10	9.4 mm	
	x10	15 mm	

BE1100

kg	mm		
1.40	80x272x228	8	BE1100
		1	BE110001
		1	BE110002
		1	BE110014
		1	BE110015
		1	BE110038
		1	BE1100AC1

Universal glow plug bi-hex socket set  
1/4" drive- 8,9,10,12 & 14 mm



BE1GP5

L/L1	Kg		
70/52mm	0.46	1	BE1GP5

### Glow plug flex sockets



#### BE1GP5\_

Bi hex mm		
8	1	BE1GP58
9	1	BE1GP59
10	1	BE1GP510
12	1	BE1GP512
14	1	BE1GP514

### T-handle for glow plug socket set



#### BE1GP5-T

Sq. drive "	Length mm	
1/4	400	10 BE1GP5-T

### Glow plug tester



#### BE100

mm	Kg	
60x155x68	0.37	1 BE100

### Glow plug thread repairing set Inserts BE1210P9AC1



#### BE1210P11



#### BE1210P9AC1

#### BE1210P11



- 1 BE1210P11
- 1 BE1210P9AC1

### Glow plug chamber cleaning set



#### BE1200P6

#### BE1200P6



- 1 BE1200P6
- 1 BE1200P6AC1

### Glow plug puller



#### BE1205

mm	kg	
35x190x362x	0.29	1 BE1205

### Diesel injector seat cutter set



#### BE1315P7

BE1315P7A	qt	100 mm	10 mm	
BE1315P7B	qt	170 mm	10 mm	
BE1315P7C	qt	50 mm	10 x 10 mm	Universal
BE1315P7D	qt	50 mm	17 x 17 mm	Universal
BE1315P7E	qt	50 mm	17 x 19 mm	BMW, PSA, Renault, etc.
BE1315P7F	qt	50 mm	17 x 17 mm	Mercedes CTD engines, etc.
BE1315P7G	qt	50 mm	17 x 21 mm	Piel Group, Deutz, etc.

#### BE1315P7



- 1 BE1315P7
- 1 BE1315P71
- 1 BE1315P72
- 1 BE1315P73
- 1 BE1315P74
- 1 BE1315P75
- 1 BE1315P76
- 1 BE1315P77

Injection nozzle socket set, 25-27-29-30 mm



BE1310P4

mm	kg		
80x198x228	1.55	1	BE1310P4

1/2" impact socket for removing injection nozzles



BE1310P4

square	hex mm		
1/2	25	1	BE1310P425
1/2	27	1	BE1310P427
1/2	29	1	BE1310P429
1/2	30	1	BE1310P430

Diesel injector washer puller



BE1300

mm	kg		
366x320x95	0.42	1	BE1300

Sliding hammer/washer and wiper puller



BE1300SH

mm	kg		
55x290x75	1.22	10	BE1300SH

Copper injector sealing ring set



BE1305P450

mm	kg		
42x210x145	1,20	1	BE1305P450

Common rail 8 injectors fuel return tester



BE5350

5	BE5350		
1	BE5350C1		
1	BE5350C2		
1	BE5350C3		
1	BE5350C4		
1	BE5350C5		

Special socket for for diesel injection  
27mm - 1/2"



7807

mm			
27		1	7807

Special socket for Lambda sensor service  
22mm - 1/2"



7806

mm	L		
22mm - 1/2	87mm	1	7806

Injector removing tool set



BE1311P13

mm	kg		
169x85x30	9,5	1	BE1311P13

### Fuel line disconnecting pliers set



#### BE1FLDS

Tube diam		
8-10 mm	1	BE1FLDS

#### BE1FLD1

#### BE1FLD2

#### BE1FLD3

### Fuel gauge puller



#### BE1FTW

Diameter	g	
75-160	800	1 BE1FTW

### Diesel injectors testing pump



#### BE13ZL11

mm	kg	
440x250x250	4.5	1 BE13ZL11

### Tamper TORX® 8 pieces plus bit socket set



#### BE5008

Square dr	Pcs	
1/4	8	1 BE5008

#### BE5008

TR+10 TR+15 TR+20 TR+25 TR+27 TR+30 TR+40 TR+45

### Tamper TORX® Plus socket 1/4" square drive



#### BE5008

Size	
TT+ 10	1 BE5008-10
TT+ 15	1 BE5008-15
TT+ 20	1 BE5008-20
TT+ 25	1 BE5008-25
TT+ 27	1 BE5008-27
TT+ 30	1 BE5008-30
TT+ 40	1 BE5008-40
TT+ 45	1 BE5008-45

### Piston ring tongs



#### BE74-55100/BE74-80120

Diameter mm	g	
55-100	320	1 BE74-55100
80-120	290	1 BE74-80120

### Piston ring tighteners



#### BE74-90175

#### BE74-57125/BE74-90175

Diameter mm	Length mm	
57-125	80	1 BE74-57125
90-175	165	1 BE74-90175
57-125	80	1 BE74-57125L

### Exhaust fume extractor 3m extended hose BUCPE3SH and double pipe exhaust hose BUCPE3SDH



#### BUCPE

#### BUCPE

mm	kg	
250x280x1230	9.1	1 BUCPE
420x530x420	5.0	1 BUCPE3SDH
220x530x298	2.0	1 BUCPE3SH

### Diesel injectors testing pump



#### BE13ZL11

mm	kg	
440x250x250	4.5	1 BE13ZL11

### Piston ring tongs



#### BE74-55100/BE74-80120

Diameter mm	g	
55-100	320	1 BE74-55100
80-120	290	1 BE74-80120

### Universal exhaust clamp pliers Max opening 55 mm



#### BUC50

mm	kg	
25x310x70	0.41	1 BUC50

Universal exhaust removing tool



BUC110

mm	kg	
68x1,300x45	0.86	1 BUC110

Universal exhaust puller  
Working range 34- 54mm



BUC100

mm	Kg	
95x325x240	4.65	1 BUC100

Universal twin camshaft locking tool



BE5100

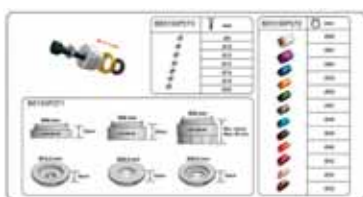
mm	kg	
85x150x345	0,48	1 BE5100

Crankshaft and camshaft seal install set



BE5150P27

1 BE5150P27
1 BE5150P271
1 BE5150P272
1 BE5150P273



Camshaft locking tool Alfa Romeo  
1.8/ 2.0 Twin Spark, GTV 1.8/2.0 Twin Spark, GTV 2.0  
16v (1996-...)



BE523110B

mm	Kg	
179x50x50	0.276	1 BE523110B

Camshaft locking tool Alfa Romeo  
1.4/ 1.6 Twin Spark (1996-...)



BE523110C

mm	Kg	
179	0.276	1 BE523110C

Timing tool for Bosch VE type fuel pumps  
Threaded sizes M8, M10, M12



BE523076

mm	Kg	
185x137x48	0.800	1 BE523076

Engine timing kit Citroën/ Peugeot (PSA Group)  
Suitable for HPI (petrol) and HDI (diesel) engines



BE52306100

mm	Kg	
185x410x48	2.366	1 BE52306100



Petrol timing tool set Citroen, Peugeot (PSA Group)-  
EW engines (1998- 2007) 1.8 16v, 2.0 16v, 2.0HPI,  
2.2 16v



BE52306170

mm	Kg		
185x275x48	1.258	1	BE52306170

Petrol engine timing tool set Fiat Group 1.2 16v  
Fiat: Bravo, Brava, Punto, Marea, Stilo, 500 (1993-  
2007) Lancia: Ypsilon



BE523171

mm	Kg		
185x275x48	0.989	1	BE523171

Petrol and diesel timing tool set Ford  
Covers most engines pre 2007 including Zetec



BE523160

mm	Kg		
185x275x48	1.483	1	BE523160

Petrol engines timing kit Citroen/Peugeot (PSA Group)  
1.0, 1.1, 1.4, 1.6 and 1.9 engines (1982- 1997)



BE523055

mm	Kg		
50x105x105	0.235	1	BE523055

Diesel timing tool set for Citroën, Peugeot (PSA  
Group) and Fiat Group  
1.9D/ TD, 2.1TD, 2.1D Turbo, 2.2D, 2.2TD and 2.4D  
Turbo



BE523158

mm	Kg		
205x163x50	1.248	1	BE523158

Diesel timing tool set Ford and PSA Group  
Ford Duratorq 1.4, 1.6, 2.0, 2.2, 2.4 TDCi/ PSA 1.4/  
1.6 HDi



BE523175

mm	Kg		
185x275x48	0.956	1	BE523175

Flywheel locking tool for Citroen/Peugeot (PSA Group)  
and Fiat group  
2.5 and 2.8 diesel engines



BE52311102

mm	Kg		
93x50x50	0.135	1	BE52311102

Petrol engine timing tool set for Fiat Group 1.6 16V  
Brava/ Bravo/ Coupe/ Marea/ Marea Weekend/Tipol/  
Stilo



BE523156

mm	Kg		
205x163x50	1.869	1	BE523156

Engine timing tool set Ford  
1.6Ti-VCT, 1.8, TDi TDCi, 2.0 TDCi engines



BE523360

mm	Kg		
185x410x48	4.36	1	BE523360

Petrol timing tool set Ford Zetec 1.25, 1.4, 1.6, 1.7, 1.8, 2.0 16v (1991- 2007)  
Ford Escort, Fiesta, Puma, Fusion, Focus, CMax, Mondeo Mazda: 121 Volvo: 1.8 & 2.



BE52305450

mm	Kg		
179x50x50	.291	1	BE52305450

Diesel engine timing tool set Renault  
Renault DCI engines



BE52317301

mm	Kg		
185x410x48	2.229	1	BE52317301

Petrol engine timing tool set for Opel/Vauxhall  
Suitable for 1.0, 1.2 and 1.4 (1997- 2010)



BE523166

mm	Kg		
185x137x48	0.912	1	BE523166

Petrol and diesel engine timing tool set Renault  
Originally specified for engines designed before 2003



BE52306900

mm	Kg		
370x410x48	4.01	1	BE52306900

Diesel timing pins Renault/ Nissan 1.5/1.9 DCI (2002-2010)  
Renault 1.5 and 1.9 DCI Laguna, Kangoo and Clio.  
Nissan Almera, Kubistar, Micra 1.5 Dci



BE52306929

mm	Kg		
93x50x50	0.222	1	BE52306929

Diesel engine timing tool set Opel/ Vauxhall/  
Saab Timing Tool Set  
Ecotec 2.0DTI/D and 2.2DTI/D (1998-2005)



BE523167

mm	Kg		
185x275x48	1.355	1	BE523167

Petrol engine timing tool set for Renault/ Nissan Twin  
CAM 16V  
1.4, 1.6, 1.8 and 2.0 engines (1998- 2003)



BE52306950

mm	Kg		
205x163x50	1.772	1	BE52306950

Engine timing tool set for Opel/Vauxhall/Saab V6  
V6 belt driven engine on 2.5, 2.6, 3.0



BE523047

mm	Kg		
460X140X52	2.4	1	BE523047

Engine timing tool set Opel/Vauxhall/ Saab  
Opel/Vauxhall 1.3/ 1.9 CDTi and Saab 1.9 Tdi



BE523174

mm	Kg		
185x275x48	2.1	1	BE523174

Twin camshaft locking tool Opel/ Vauxhall/ Saab  
1.4/1.6/1.8 16v Ecotec engines



BE52305801

mm	Kg	
93x50x50	0.186	1 BE52305801

Timing kit for BMW Diesel engines



BE523048BMW2

l	
1.8, 2.0, 3.0 & 3.5	1 BE523048BMW2

Petrol timing tool set Audi/ Volkswagen Group 1.2- 3  
Cyl. 6v & 12v (2002-...)  
3 Cyl. 6v & 12v (2002-...) Seat: Ibiza, Cordoba Skoda:  
Fabia, Roomster Volkswagen: Lupo, Polo



BE523176

mm	Kg	
185x137x48	1.01	1 BE523176

Twin camshaft sprocket tool Opel, Vauxhall  
2.0, 2.2 16v Eco-Tec engine



BE52305802

mm	Kg	
93x50x50	0.143	1 BE52305802

Universal timing tool set Audi, Volkswagen Group  
Petrol and diesel engines including older 1.9 diesel  
engines



BE523161

mm	Kg	
179x275x48	0.451	1 BE523161

Petrol timing tool set Audi/ Volkswagen 1.4TSI &  
1.6FSI  
Audi A3 Skoda: Fabia II, Octavia II & Roomster VW:  
Polo, Golf, Jetta, Passat, Eos, Tiguan & Touran



BE52316230

mm	Kg	
185x275x48	2.229	1 BE52316230

Timing kit for BMW Petrol and Diesel engines



BE523048BMW

Engines	
M42, M44, M50 & M52	1 BE523048BMW

Petrol timing tool set Audi/ Volkswagen Group 2.0 FSI/  
TFSI (2003-...)  
Audi: A3, A4, A6, S3, TT VW: Passat, Touran



BE52316190

mm	Kg	
185x275x48	1.351	1 BE52316190

Timing tool kit Audi/ Volkswagen Group  
2.5 V6 TDI (98-08) engines Audi A4, S4 Turbo, A6, S6  
V8, A8, Allroad and VW Passat, Sharan TDI



BE52305650

mm	Kg	
179x50x50	0.056	1 BE52305650

Diesel timing tool set Audi, Volkswagen Group 2.0TDI  
 PO DOCH (2002- 2009)  
 Audi: A3, A4, A5, A6 Skoda: Octavia II VW: Golf, Golf  
 Plus, Jetta, Touran Ford: Galaxy



BE52316150

mm	Kg		
179x275x48	0.451	1	BE52316150

Petrol and diesel engines tensioner pins Audi/  
 Volkswagen Group and Ford 1.4, 1.9, 2.5 Tdi PD/TFSi



BE52316197

mm	Kg		
93x50x50	0.039	1	BE52316197

Petrol timing tool set Volvo 1.6 16v, 1.6/1.8/2.0 Turbo  
 (1996-2008)  
 C30, S30, S40, V40, S70, C70, S80



BE52306920

mm	Kg		
185x275x48	2.1	1	BE52306920

Camshaft setting bracket for Audi/ Volkswagen Group  
 1.9TDI engines



BE523161B

mm	Kg		
179x50x50	0.309	1	BE523161B

Tensioner locking tool Volkswagen/Audi Group  
 OEM ref: T10008



BE52306912

mm	Kg		
93x50x50	0.024	1	BE52306912

Universal sprocket/ camshaft holding wrench



BE523106

m	g		
0.41	91	1	BE523106

Diesel timing kit Audi/ Volkswagen Group  
 1.7Sdi, 1.7/1.9SDI, 1.9D, 1.9TD, 1.9TDI, 2.4D, 2.5TDI



BE52306120

mm	Kg		
93x50x50	0.251	1	BE52306120

Multi positional pulley tensioner Audi/ Volkswagen  
 Group  
 Five adjustable positions for when access is difficult



BE52304405

mm	Kg		
179x50x50	0.227	1	BE52304405

Diesel timing kit Citroën, Peugeot (PSA Group)  
 1.7d, 1.8D, 1.9D, 1.9TD, 2.1TD, 2.2TD, 2.5TD (1982-  
 2002)



BE52306110

m	g		
0.2	276	1	BE52306110

Flywheel locking tool Opel, Vauxhall/ Saab  
Opel, Vauxhall: Astra, Barina, Combo, Meriva, Signum,  
Tigra, Vectra, Vivaro, Zafira Saab: 9-3



BE52316404

m	g		
0.135	8		1 BE52316404

Belt tension tester



BE239

mm	Belt thickn		
95x82x38	2-8 mm		1 BE239

Belt tension tester



BE240

mm	gr		
310x270x60	1.050		1 BE240

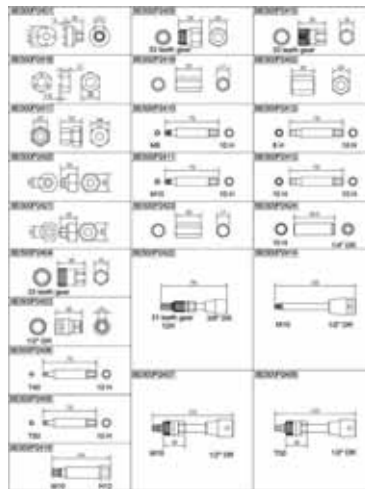
Stretchy belt installation & removal set  
Pulley diameters range: 80-350 mm



BE230

mm	Kg		
120x30x25	0.25		1 BE230

Universal alternator extractor set  
24 pcs



BE500P24

mm	kg		
44x260x150	1.24		1 BE500P24
			1 BE500P2401
			1 BE500P2402
			1 BE500P2403
			1 BE500P2404
			1 BE500P2405
			1 BE500P2406
			1 BE500P2407
			1 BE500P2408
			1 BE500P2409
			1 BE500P2410
			1 BE500P2411
			1 BE500P2412
			1 BE500P2413
			1 BE500P2414
			1 BE500P2415
			1 BE500P2416
			1 BE500P2417
			1 BE500P2418
			1 BE500P2419
			1 BE500P2420
			1 BE500P2421
			1 BE500P2422
			1 BE500P2423
			1 BE500P2424

Seal and soft hose removal and picking tool set



2633HD1	x1	290 mm	
2633HD2	x1	215 mm	
2633HD3	x1	195 mm	
2633HD4	x1	165 mm	
2633HD5	x1	115 mm	
2633HD6	x1	155 mm	

2633HD/S6

Shape/Size			
80x356x270	1		2633HD/S6
I/XL	1		2633HD1
L/L	1		2633HD2
L/S	1		2633HD3
T/L	1		2633HD4
T/S	1		2633HD5
I/S	1		2633HD6

Gasket joints separator set



BE700

BE700BP2	x1	
BE700SP15	x15	

BE700

mm			
			1 BE700
			1 BE700BP2
			1 BE700SP15



Self adjustable clutch remover & installer universal tool set  
3 & 4 holes pitch SAC models



BE300

mm	Kg	
86x193x173	8	1 BE300

Clutch alignment rectifier



BE310

	
80x272x228	8 BE310

Cooling system pressure test set



BE400P24

	
	1 BE400P24
	1 BE400P241
	1 BE400P242



- 1 BE400P243
- 1 BE400P244
- 1 BE400P2401
- 1 BE400P2402
- 1 BE400P2403
- 1 BE400P2404
- 1 BE400P2405
- 1 BE400P2406
- 1 BE400P2407
- 1 BE400P2408
- 1 BE400P2409
- 1 BE400P2410
- 1 BE400P2411
- 1 BE400P2412
- 1 BE400P2413
- 1 BE400P2414
- 1 BE400P2416
- 1 BE400P2417
- 1 BE400P2418
- 1 BE400P2419

Cooling system refiller, vacuum  
BE4101 is a conic adaptor



BE410

BE410

	
	4 BE410
	1 BE4101

Flexible hose clamp plier  
18-54 mm



BE254

Diam mm	L mm	
18-54	630	1 BE254

Repair kit for BE254



BE2541

gr	
110	1 BE2541

Cable for BE253, BE254 & BE255



BE2542

gr	
20	1 BE2542



Universal flexible hose clamp pliers  
18-54 mm



BE255

Ø mm	Length mm		
18-54	560	1	BE255

EGR type hose clamp plier



BE253

L mm	g		
850	700	1	BE253

45° angled hose clamp pliers  
Angled head and rotating jaws



BE250

mm	g		
280	250	1	BE250

Hose clamp plier



BE251

L mm	gr		
210	180	1	BE251

Elastic hose clamp pliers



BE258

D mm	L mm		
12-55	280	1	BE258

Laser thermometer



BLT550

°C		
-50 +550	1	BLT550

Refractometer



3046-REF

Length mm	Weight g		
200	400	1	3046-REF

Antifreeze liquid tester



BE401



mm		
240x50x50	1	BE401

Engine oil pressure tester set



BE2001	Ø1" x 28 UNF	BE2002	Ø1"
Ø1"	3/8" x 28 UNF	Ø1"	
Ø1"	1/4" x 18 NPT	Ø1"	
Ø1"	1/2" x 27 NPT	Ø1"	
Ø1"	3/4" x 18 NPT	Ø1"	
Ø1"	M12 x P1.5	Ø1"	
Ø1"	M12 x P1.5	Ø1"	
Ø1"	M14 x P1.5	Ø1"	
Ø1"	M16 x P1.5	Ø1"	
Ø1"	M18 x P1.5	Ø1"	

BE5200

mm	kg		
84x447x341	2.10	1	BE5200
35x385x180	0.20	1	BE530001
		1	BE52001
		1	BE52002
		1	BE52003

Petrol engine compression meter



BE5400P

mm	kg		
260x160x70	1	1	BE5400P

Diesel engine compression meter



BE5401D

mm	kg		
410x300x105	4	1	BE5401D

Hose clamp metallic



BE256M

mm	kg		
45x399x75	0.26	1	BE256M

Hose clamp pliers set



BE256P3

mm	kg		
45x320x95	0.28	1	BE256P3
45x220x95	0.04	1	BE256-155
45x240x95	0.08	1	BE256-178
45x320x95	0.12	1	BE256-250

Quick fluid stopper and injector hose separator set



BE25718	x1	Ø 18 mm	
BE25710	x1	Ø 10.4 mm	
BE2572	x1	Ø 8.8 mm	
BE2576	x1	3/16"	
	x1	1/4"	
	x1	5/16"	
BE256-178	x1	185 mm	

BE257

	8		BE257
	1		BE25710
	1		BE25718
	1		BE2572
	1		BE2576

10 mm bit set, 49 pcs



BE5049

mm	Kg		
60x325x195	3.66	1	BE5049

Bit for hexagon metric head screws, 10 mm



BE5049H

mm		
4x30	1	BE5049H4
5x30	1	BE5049H5
6x30	1	BE5049H6
7x30	1	BE5049H7
8x30	1	BE5049H8
10x30	1	BE5049H10
12x30	1	BE5049H12
14x30	1	BE5032H14

Bit for hexagon metric head screws, 10 mm Long series 75 mm



BE5049H\_L

mm		
4x75	1	BE5049H4L
5x75	1	BE5049H5L
6x75	1	BE5049H6L
7x75	1	BE5049H7L
8x75	1	BE5049H8L
10x75	1	BE5049H10L
10x115	1	BE5032H10EL
12x75	1	BE5049H12L

Bit for TORX® head screws, 10 mm



BE5049T

TxL			
T20x30	1	BE5049T20	
T25x30	1	BE5049T25	
T27x30	1	BE5049T27	
T30x30	1	BE5049T30	
T40x30	1	BE5049T40	
T45x30	1	BE5049T45	
T50x30	1	BE5049T50	
T55x30	1	BE5049T55	
T60x30	1	BE5049T60	

Bit for TORX® tamper head screws, 10 mm  
Long series 75 mm



BE5049T\_HL

T			
TR20x75	1	BE5049T20HL	
TR25x75	1	BE5049T25HL	
TR27x75	1	BE5049T27HL	
TR30x75	1	BE5049T30HL	
TR40x75	1	BE5049T40HL	
TR45x75	1	BE5049T45HL	
TR50x75	1	BE5049T50HL	
TR55x75	1	BE5049T55HL	
TR60x75	1	BE5049T60HL	

Bit for Robertson metric head screws, 10 mm



BE5032SQ

RxL			
#8x30	1	BE5032SQ8	
#10x30	1	BE5032SQ10	

Bit for TORX® head screws, 10 mm long series 75 mm



BE5049T\_L

TxL			
T20x75	1	BE5049T20L	
T25x75	1	BE5049T25L	
T27x75	1	BE5049T27L	
T30x75	1	BE5049T30L	
T40x75	1	BE5049T40L	
T45x75	1	BE5049T45L	
T50x75	1	BE5049T50L	
T55x115	1	BE5032T55EL	

Bit for XZN head screws, 10 mm



BE5049M

mm			
M5x30	1	BE5049M5	
M6x30	1	BE5049M6	
M8x30	1	BE5049M8	
M10x30	1	BE5049M10	
M12x30	1	BE5049M12	
M14x30	1	BE5032M14	

1/2" adaptor for 10 mm bits



BE504901

Hex. mm			
10	1	BE504901	

Bit for TORX® tamper head screws, 10 mm



BE5049T\_H

T			
TR20x30	1	BE5049T20H	
TR25x30	1	BE5049T25H	
TR27x30	1	BE5049T27H	
TR30x30	1	BE5049T30H	
TR40x30	1	BE5049T40H	
TR45x30	1	BE5049T45H	
TR50x30	1	BE5049T50H	
TR55x30	1	BE5049T55H	
TR60x30	1	BE5049T60H	

Bit for XZN head screws, 10 mm  
Long series 75 mm



BE5049M\_L

mm			
M5x75	1	BE5049M5L	
M6x75	1	BE5049M6L	
M8x75	1	BE5049M8L	
M10x75	1	BE5049M10L	
M12x75	1	BE5049M12L	

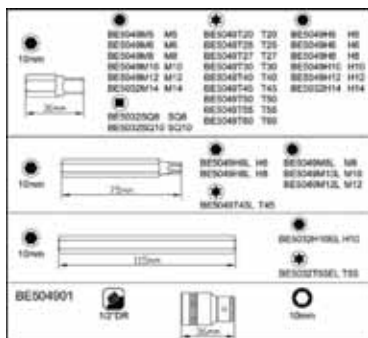
3/8" Adaptor for 10 mm bits



BE504902

drive			
3/8"	1	BE504902	

10 mm bit set



BE5032



mm	kg	
60x230x210	1.38	1 BE5032

Set of 1/2" socket drivers with Tamper TORX® bits, suitable for engines, 9 pcs



BE5101

mm	kg	
80x198x228	1.35	1 BE5101

BE5101\_    
 TR25, TR27, TR30, TR40, TR45, TR50, TR55, TR60, TR70

1/2 socket drivers with Tamper Tx bits



BE5101

T	
TR25	1 BE510125
TR27	1 BE510127
TR30	1 BE510130
TR40	1 BE510140
TR45	1 BE510145
TR50	1 BE510150
TR55	1 BE510155
TR60	1 BE510160

Set of 1/2" socket drivers with Ribe bits, suitable for engines, 9 pcs



BE5102

mm	kg	
80x198x228	1.35	1 BE5102

BE5102\_    
 RM5, RM6, RM7, RM8, RM9, RM10, RM11, RM12, RM13

1/2" socket drivers with Ribe bits



BE5102

R	
RM5	1 BE51025
RM6	1 BE51026
RM7	1 BE51027
RM8	1 BE51028
RM9	1 BE51029
RM10	1 BE510210
RM11	1 BE510211
RM12	1 BE510212
RM13	1 BE510213

Set of 1/2" socket drivers with XZN bits, suitable for engines 6 pcs



BE5103

mm	kg	
80x198x228	1.25	1 BE5103

BE5103\_    
 XZN M5, M6, M8, M10, M12, M14

1/2" socket drivers with XZN bits



BE5103

XZN	
M5	1 BE51035
M6	1 BE51036
M8	1 BE51038
M10	1 BE510310
M12	1 BE510312
M14	1 BE510314

Heavy vehicle valve removing plier



BE76105

Cap mm



90-280

1 BE76105

Light vehicle valve removing plier



BE76101

Capacity mm



60-125

1 BE76101

AIR CONDITIONING

UV lamp



BLUVF

L mm



450

1 BLUVF

AC repair tool set



BE800P12

mm

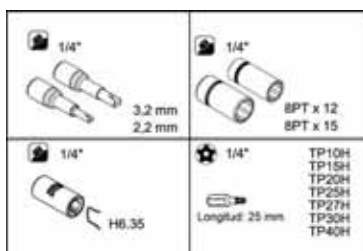
kg



43X200X90

0.28

1 BE800P12



Air conditioning and fuel line connectors



BAC007

mm



240 x 46

1 BAC007

OIL SERVICE TOOLS AND EQUIPMENT



BOD8903

mm

Kg



1000x480x44

38.8

1 BOD8903

Air oil drainer



BOD8902

l

Kg



90

35

1 BOD8902

Gravity oil drainer



BOD8901

l

Kg



90

35

1 BOD8901



Extension funnel for oil drainers



BOD8901AC1

mm	Kg		
150x620x620	2.5	1	BOD8901AC1

Oil drain pan  
16 l



BOD1016

mm	Kg		
570x150x445	1.24	1	BOD1016

Oil drain tank  
8 l



BOD2008

l	Kg		
8	1.24	1	BOD2008

Oil funnel  
1.2l



BOD301200

l	Kg		
1.2	1.24	1	BOD301200

Oil drain plug sockets set, 17 pcs



	8-9-10-12-13-14-17 mm
	8-9,5-10-10,5-11-12-13,1 mm
	10 mm
	10 mm
	16 mm

BE6217

mm	Kg		
60x260x120	1.07	1	BE6217

3/8" oil plug socket



BE6217

Points	mm		
6	8	1	BE621701
6	9	1	BE621702
6	10	1	BE621703
6	12	1	BE621704
6	13	1	BE621705
6	14	1	BE621706
6	17	1	BE621707
4	8	1	BE621708
4	9.5	1	BE621709
4	10	1	BE621710
4	10.5	1	BE621711
4	11	1	BE621712
4	12	1	BE621713
4	13.1	1	BE621714
4	10F	1	BE621715
3	10	1	BE621716
XZN	M16	1	BE621717

Carter wrenches



BE68

mm		
8	1	BE68
8x10	1	BE6810

Oil drain plug restorer set



BOD10P64

mm	kg		
80x272x228	2.50	1	BOD10P64



### Mini oil drain plug restorer set



BOD101

### BOD10

Thread	kg		
M13x1.25P	0.3	1	BOD101
M13x1.5P	0.28	1	BOD102
M15x1.5P	0.3	1	BOD103
M17x1.5P	0.3	1	BOD104
M20x1.5P	0.3	1	BOD105
M22x1.5P	0.3	1	BOD106

### Automatic transmission oil refiller



### BOD6080P12

L	mm		
8	330x313x570	1	BOD6080P12

Universal oil filter cup set, 30 pcs  
28 cups, a 3 flat legged oil filter wrench and a 1/2"-3/8" adaptor



### BE630

mm	Kg		
90x600x500	7.15	1	BE630
		1	BE630666F

mm	Kg		
		1	BE6306514F
		1	BE630656714F
		1	BE6306814F
		1	BE6307314F
		1	BE6307415F
		1	BE630747615F
		1	BE630757715F
		1	BE6307612F
		1	BE6307614F
		1	BE6307630F
		1	BE630768F
		1	BE6307815F
		1	BE6308015F
		1	BE630808215F
		1	BE6308616F
		1	BE6308618F
		1	BE6309015F
		1	BE6309210F
		1	BE6309315F
		1	BE6309336F
		1	BE6309345F
		1	BE6309515F
		1	BE6309618F
		1	BE63010015F
		1	BE63010615F
		1	BE63010815F
		1	BE63010818F

### Individual oil filter cups



### BE6302-BE6306

Pts	mm		
6	24	1	BE630246F
6	27	1	BE630276F
6	32	1	BE630326F
6	36	1	BE630366F
6	38	1	BE630386F
14	66.5	1	BE63066514F

### Magnetic 3 legged oil filter wrenches



### BE65R

Sq. drive "	ø mm		
3/8-1/2	65-120	1	BE65R65120
3/8-1/2	80-119	1	BE65R80120
1/2	105-160	1	BE65R106160

### 3 Flat legged oil filter wrench 1/2" to 3/8" adaptor included



### BE65F65120

sq. drive "	Diameter mm		
3/8"	65-120	1	BE65F65120

### Chain oil filter wrenches and chain spares



### BE64520/BE64350

ø mm	g		
60-105	760	1	BE64350
60-105	270	1	BE64350CH
60-160	890	1	BE64520
60-160	400	1	BE64520CH

Oil filter strap wrenches and spares



BE611

ø mm	g		
65-110	490	1	BE61110
65-120	30	1	BE61110-1
100-155	520	1	BE61155
100-155	30	1	BE61155-1

Barrel pump for 50-205 L barrels with 1/2" and 2" threading  
300 ml/stroke



BOD60

mm	Kg		
55x165x650	2.24	1	BOD60

Grease flex hoses



BOD54-1 / -2

Work/Break	L		
400/950 bar	300 mm	1	BOD54-1
400/950 bar	450 mm	1	BOD54-2

Universal rubber belt wrench



BE66152

diameter	weight g		
150	360	6	BE66152

Heavy duty universal grease pump



BOD5HD400

mm	kg		
66x390x100	1.594	1	BOD5HD400

Grease coupler



BOD54-3

D/L mm	BAR		
15/37	500	1	BOD54-3

Rotary barrel pump for 50-205 l barrels with 1" threading  
Capacity: 250 ml/turn



BOD70

mm	Kg		
1330x250x23	6.740	1	BOD70

Universal grease pumps



BOD5400

BOD5400/BOD5450

mm	kg		
57x385x120	1.415	1	BOD5400
61x425x135	1.415	1	BOD5450

Oil cans



BOD4200/BOD4500

ml	Kg		
200	0.23	1	BOD4200
500	0.27	1	BOD4500

## BAHCO BRAKE SYSTEM TOOLS AND EQUIPMENT

Universal brake caliper set, 43 pcs  
3/8" square drive



BBR300P43

mm	Kg		
90x380x310	4.57	1	BBR300P43

Brake caliper wind back air tool  
3/8" square drive



BBR320

Sq. Drive "	Air inlet "		
3/8	1/4	1	BBR320

1/2" impact socket drivers with TORX® bits for brakes  
6pcs



BBR203P9

mm	kg		
80x198x228	1.00	1	BBR203P9

BBR203P9

T20, T25, T27, T30, T40, T45, T50, T55, T60

1/2" impact socket drivers with Tx bits for brakes



BBR203P9

T		
T20	1	BBR203P920
T25	1	BBR203P925
T27	1	BBR203P927
T30	1	BBR203P930
T40	1	BBR203P940
T45	1	BBR203P945
T50	1	BBR203P950
T55	1	BBR203P955
T60	1	BBR203P960

Set of 1/2" impact socket drivers with XZN bits for brakes



BBR201P6

mm	kg		
80x198x228	0.81	1	BBR201P6

BBR201P640

XZN M14, M16, M18

BBR201P678

XZN M14, M16, M18

1/2" impact socket driver XZN



BBR201P67816

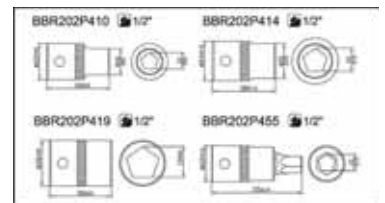
BBR201P6

XZN	L		
M14	40	1	BBR201P64014
M16	40	1	BBR201P64016
M18	40	1	BBR201P64018
M14	78	1	BBR201P67814
M16	78	1	BBR201P67816
M18	78	1	BBR201P67818

1/2" Pentagon socket and bit set for hand brake



BBR202P4



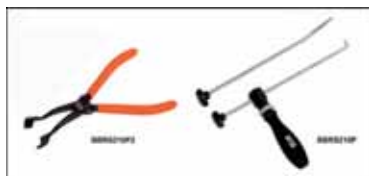
BBR202P4

mm			
43X200X90	1	BBR202P4	
10	1	BBR202P410	
14	1	BBR202P414	
19	1	BBR202P419	
24	1	BBR202P455	

Shoe brake springs removing and installation set



BBR210P3



BBR210P3



- 1 BBR210P3
- 1 BBR210P
- 1 BBR210P2

Brake spring plier with pivotable head



BBR6135

L mm	gr		
300	470	1	BBR6135

Brake spring removing plier



BBR6131

L mm			
220		1	BBR6131

Magnetic base micrometer



1154

LxWxT mm	kg		
290x185x75	1.6	1	1154

1154-MB

1154-DG

Digital gauge



1154-DG

Range mm	Step mm		
0-10	0,01	1	1154-DG

Magnetic base holder



1154-MB

mm			
230 + 150		1	1154-MB

Brake fluid tester humidity check DOT 3/4/5/5.1



BBR110

mm	Kg		
100x220x320	1.15	1	BBR110

Brake liquid bleeder



BBR350

Air inlet "	kg		
1/4	1.28	1	BBR350

TRANSMISSION AND WHEEL TOOLS

Thin wall impact sockets, 1"



BHVIS12 / BHVIS06

Pts	mm		
12	65	1	BHVIS1265
6	70	1	BHVIS0670
6	77	1	BHVIS0677
6	80	1	BHVIS0680
6	85	1	BHVIS0685
6	90	1	BHVIS0690
6	95	1	BHVIS0695
6	100	1	BHVIS06100
6	105	1	BHVIS06105

### 8 pts impact sockets 3/4"



bhvis0895

### BHVIS08

Pts	mm		
8	95	1	BHVIS0895
8	100	1	BHVIS08100
8	115	1	BHVIS08115
8	109	1	BHVIS109BPW12
8	120	1	BHVIS120BPW16

### Impact sockets BPW



BHVIS111BPW12

### BHVISxxBPW

Drive	mm		
41	111	1	BHVIS111BPW12
3/4"	80	1	BHVIS80BPW12
3/4	95	1	BHVIS95BPW9

### Wheel socket sets

BWSS12P3:17, 19, 21 mm; BWSS12P5:17, 19, 21, 22, 24 mm



### BWSS

mm	kg		
45x150x130	0.8	1	BWSS12P3
50x240x175	1.47	1	BWSS12P5

### Wheel sockets



### BWSS12P

mm		
17	1	BWSS12P317
19	1	BWSS12P319
21	1	BWSS12P321
22	1	BWSS12P522
24	1	BWSS12P524

### Twist socket sets



BWTSP16

### BWTSP

mm	kg		
50x245x120	1.75	12	BWTSP16
62x230x120	1.00	1	BWTSP7

### BWTSP16

3/8-8,10,11,12,13,14,15,16,17,18,19 mm / 1/2-21,22,24,27 mm / 1/2-3/8

### BWTSP7

1/2-22,24,27,32 / 3/4-36,41

### Twist sockets



### BWTSP

sq.dr	mm		
3/8	8	1	BWTSP1608
3/8	10	1	BWTSP1610
3/8	11	1	BWTSP1611
3/8	12	1	BWTSP1612

sq.dr	mm		
3/8	13	1	BWTSP1613
3/8	14	1	BWTSP1614
3/8	16	1	BWTSP1616
3/8	17	1	BWTSP1617
3/8	18	1	BWTSP1618
3/8	19	1	BWTSP1619
1/2	21	1	BWTSP1621
1/2	22	1	BWTSP1622
1/2	24	1	BWTSP1624
1/2	27	1	BWTSP1627
1/2	32	1	BWTSP732
3/4	36	1	BWTSP736
3/4	41	1	BWTSP741

### 6 piece deep twist socket set



### BWTSP6

mm		
220x115x55	1	BWTSP6

### BWTSP6

17, 19, 21, 22, 24 MM

1pc

### Deep twist sockets



### BWTSP6

sq.dr	mm		
1/2	17	1	BWTSP617
1/2	19	1	BWTSP619
1/2	21	1	BWTSP621
1/2	22	1	BWTSP622
1/2	24	1	BWTSP624



Impact socket and bit set 1/2"



BT15P5

mm	kg		
60x260x85	1.55	1	BT15P5

BT15P5_		
14, 17 mm		

Impact socket with bi-hex profile 1/2"



BT15P5

Bi-hex mm		
24	1	BT15P524
30	1	BT15P530
32	1	BT15P532

Impact torsion bars, 1"



BZWTB

mm	Nm		
32	450	1	BZWTB0132450
32	600	1	BZWTB0132600
33	600	1	BZWTB0133600

Torsion bar set, 10 pcs  
75-240 Nm



BWTB

Sq. Drive	kg		
1/2	3.5	1	BWTB12P10

Torsion bars



BWTB

Nm		
75	1	BWTB12P1001
90	1	BWTB12P1002
110	1	BWTB12P1003
120	1	BWTB12P1004
135	1	BWTB12P1005
150	1	BWTB12P1006
160	1	BWTB12P1007
190	1	BWTB12P1008
205	1	BWTB12P1009
240	1	BWTB12P1010

4-way wheel wrenches



29-B/BWXW1/BWXW2

mm	Sq. Drive "		
17,19,21	1/2	1	29-B
17,19,22	1/2	1	BWXW1
24,27,32	3/4	1	BWXW2
17,19,22	13/16 hex	1	BWXW3
24,27,32,38		1	BWXW4

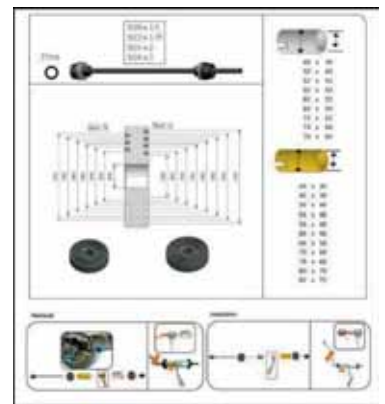
Universal wheel bearing tool set



BWB14

mm	kg		
85x525x310	7.82	1	BWB14

Bearing removing and installing set



BT20P26

mm	kg		
155x540x315	19.0	1	BT20P26



12 Tn Hydraulic spindle



BWHEHS

Capacity t	L mm	
12	265-282	1 BWHEHS

5 kg sliding hammer



BWSH5

LxD mm	kg	
960x100	5.4	2 BWSH5

M18 adaptor



BWSH51

Male Thread	FT x Hex mm	
M38	M18 x 27	1 BWSH51

Wheel hub plate with hydraulic spindle



BWHEPS

Capacity t	Op range	
12	#4-5/116-135mm	1 BWHEPS

8 kg sliding hammer



BWSH8

LxD mm	kg	
960x100	8.4	1 BWSH8

Wheel hub plate with 8 kg sliding hammer



BWHEPSH8

Op range	kg	
#4-5 / 116-135mm	10.4	1 BWHEPSH8

BWHEHS



BWSH5



BWSH8



BWHEP



BWHEP



Wheel hub plate



BWHEP

Op range mm	
#4-5 / 116-135	1 BWHEP

3,5 kg mass



BSSHE3

LxD mm	kg	
60x100	3,5	1 BSSHE3

Axle joint tool  
ø 35 to 45 mm



BS50-BS51

mm	Kg	
35-45	2.2	1 BS50
28-35	2.1	1 BS51

Axle joint tool  
33-42 mm



BS54

LxWxT mm	g		
70x65x70	550	1	BS54

5 mm stainless strap and buckles  
15 m strap and 50 buckles



BE2512005

WxL	Buckles		
5mm x15m	50 Pcs	1	BE2512005

Wheel balancing pliers



BWP150

mm	kg		
65x270x80	0.41	1	BWP150

Ball joint socket puller for PSA



BS100PSA1

Hex drive	L / D mm		
32 mm	52 / 60	1	BS100PSA1

Stainless steel strap plier



BE251200

L mm	gr		
200	260	1	BE251200

Tyre levers



38-8 - 38-24

mm		
200	5	38-8
300	5	38-12
400	5	38-16
500	2	38-20
600	1	38-24

Fork pullers



BS6

A mm	gr		
18	940	1	BS618
23	1180	1	BS623

8 mm stainless strap and buckles  
15 m strap and 50 buckles



BE2512008

W x L	Buckles		
8mm x 15m	50 Pcs	1	BE2512008

Tyre lever, special bent form



39-24

mm		
600	1	39-24

Tyre levers



38A-38C

L mm		
304	1	38A-12
384	1	38A-15
541	1	38A-21
650	1	38A-26
645	1	38C-26

Multi positioning ratcheting pry bar set



BT10P3

mm	kg	
80x356x270	1.90	1 BT10P3

Multi position pry bar



BT10P3

mm		
250	1	BT10P325
330	1	BT10P330
380	1	BT10P338

**SUSPENSION TOOLS AND EQUIPMENT**

Universal air spring compressor & optional moving stand  
Working capacity: 500 kg up to 2.000 kg



BS10



BS10AC1

BS10/BS10AC1

mm	kg	
1150x470x45	50	1 BS10
370x600x520	7.6	1 BS10AC1

Mechanical spring compressor



BS10MEC

mm	kg	
80x370x255	1.92	1 BS10MEC

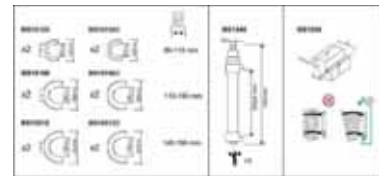
Plate/adaptor for sport car shock absorbers with regulation ring  
To be used with BS10 and BS10MEC



BS10AC2

mm	kg	
200x400x400	1	1 BS10AC2

Macpherson spring compressor device



BS15

mm	
	1 BS15
	1 BS15125
	1 BS15125C
	1 BS15160
	1 BS15160C
	1 BS15212
	1 BS15212C
	1 BS1550

Wishbone lever tool



BS20

mm	kg		
140x1,170x3	48.6	1	BS20

Universal turnbuckle shock absorber servicing set, 39 pcs



BS1000

mm	kg		
80x580x400	6.36	1	BS1000
		1	BS100001
		1	BS100002
		1	BS100003
		1	BS100004
		1	BS100005
		1	BS100006
		1	BS100007
		1	BS100008
		1	BS100009
		1	BS100010
		1	BS100011
		1	BS100012
		1	BS100013
		1	BS100014
		1	BS100015
		1	BS100016
		1	BS100017
		1	BS100018
		1	BS100019
		1	BS100020
		1	BS100021
		1	BS100022
		1	BS100023
		1	BS100024
		1	BS100025
		1	BS100026
		1	BS100027
		1	BS100028
		1	BS100029
		1	BS100030
		1	BS100031
		1	BS100032

mm	kg		
		1	BS100033
		1	BS100034
		1	BS100035
		1	BS100036
		1	BS100037
		1	BS100038
		1	BS100039

## AUTO ELECTRIC TOOLS AND EQUIPMENT

Lithium booster  
12V - 800 CA



BBL12-800

Volt	CA		
12	800	1	BBL12-800

Booster 12 V 1.200 CA



BBA12-1200

V	CA		
12	1200	1	BBA12-1200

Booster 12/24 V 1.700CA



BBA1224-1700

V	CA		
12/24	1700/900	1	BBA1224-1700

Booster 12 V 760 CA



BB12-760

Kg	Ah		
13	22	1	BB12-760

Booster automatic electronic chargers  
BBBC2A to be used with BB24-1200; BBC4A to  
be used with B12-760, BB12-1200, BB1224-760,  
BB1224-1200



BBBC

mm	kg		
215x130x60	0.63	1	BBBC2A
215x130x60	0.63	1	BBBC4A

Booster charger cables- spares  
Australia, Continental Europe and UK



**BBBCAB**

mm	kg		
50x125x50	0.13	1	BBBCAB-AUZ
50x125x50	0.13	1	BBBCAB-EU
50x125x50	0.13	1	BBBCAB-UK

**Jump leads**



BBJL1630



BBJL2535\_BBJL3545

**BBJL**

L m	Section mm <sup>2</sup>		
3.0	16	1	BBJL1630
3.5	25	1	BBJL2535
4.5	35	1	BBJL3545

**Battery charger-starter**



**BBC420-BBC620**

V-Hz-V out	Nom Cap Ah		
230-50/60-12/24	20-1000	1	BBC420
230-50/60-12/24	20-1550	1	BBC620

**Battery acid tester**



**BB10**

mm			
350x25x25		1	BB10

**12V Digital battery tester**



**BBT20**

mm	Kg		
345x168x90	1.34	1	BBT20

**6 & 12V digital battery tester**



**BBT30**

mm	kg		
80x370x255	1.92	1	BBT30

**6 & 12V digital battery tester with printer**



**BBT40**

mm	kg		
80x370x255	1.92	1	BBT40

**Socket/plug tester 24V - 7 Pin**  
Applicable for 24N sockets/plugs



**BELT247N**

mm	kg		
105x260x210	1.44	1	BELT247N



Socket/plug tester 7 PIN 24 V (24S)  
Applicable for 24S socket/plugs



BELT247S

mm	kg		
105x260x210	1.44	1	BELT247S

Socket/plug tester 12V - 7 pin



BELT127

mm	kg		
60x650x160	0.38	1	BELT127

12 V& 24V peak protector



BELP1224

mm	kg		
60x650x160	0.215	1	BELP1224

Socket tester 15 PIN 24V



BELT2415

mm	kg		
105x260x210	1.44	1	BELT2415

Lambda sensor tester  
Zirconia lambda probes (0-1 V) and Titania (0-5 V)



BELT10

mm	kg		
60x650x160	0.71	1	BELT10

Universal terminal tool set, 16 pcs



Socket/plug tester with simulator 13 PIN 12V



BELT1213

mm	Kg		
60x650x160	0.71	1	BELT1213

Infrared (IR) & radiofrequency (RF) remote key tester



BELTKEY

mm	kg		
280x170x50	0.71	1	BELTKEY

BELTRP16


mm	kg		
265x60x215	0.9	1	BELTRP16
		1	BELTRP1601
		1	BELTRP1602
		1	BELTRP1603
		1	BELTRP1604
		1	BELTRP1605
		1	BELTRP1606
		1	BELTRP1607
		1	BELTRP1608
		1	BELTRP1609
		1	BELTRP1610
		1	BELTRP1611
		1	BELTRP1612
		1	BELTRP1613
		1	BELTRP1614
		1	BELTRP1615
		1	BELTRP1616



12V electric circuit protector



BELMS12

V	 
12	25 BELMS12

24V electric circuit protector



BELMS24

V	 
24	25 BELMS24

Memory saver 12V



BELS12

mm	kg	 
60x650x160	0.29	1 BELS12

## GARAGE EQUIPMENT

Dual laser head light tester



BLBT100



mm	kg	 
330x1700x63	40.5	1 BLBT100

Magnetic pick-up tool

ergo®



2535F

kg	 
1	1 2535F1
1	1 2535F2
3	1 2535F3

Stool with storage



BLE300

mm	 
550x380x380	1 BLE300

Low profile creeper



BLE301

mm	 
1020x590x120	1 BLE301

Stool & creeper 3 position combi



BLE302

mm	 
1010x490x135	1 BLE302

Creeper and seat set



BLE304

mm	kg	 
135x1020x460	11	1 BLE304

Magnetic dish



1419-MD

mm		
150	36	1419-MD

Magnetic dish with PVC extension



BMD150

mm		
150	1	BMD150

Magnetic tray with PVC extension



BMR240

mm		
140x240	1	BMR240

Seat cover



5750

LxW mm	g	
1400x750	195	1 5750

## BODY SHOP TOOLS AND EQUIPMENT

Air vacuum cleaner



BLE200

V	mm	
230-240	865x610x960	1 BLE200

Body work holder



BBS3BH

L mm	W max-min	
920	870-160	1 BBS3BH

Universal workshop holder



BBS3UH

LxWxT mm	kg	
180x1200x250	18.5	1 BBS3UH

Body clamps



BH8BC1

mm	kg	
60x240x135	2.2	1 BH8BC1

Body clamp



BH8BC2

mm	kg	
60x240x170	2.3	1 BH8BC2

Body clamp



BH8BC3

mm	kg		
65x230x90	1.7	1	BH8BC3

12 kg sliding hammer





BBS12SH

kg		
12.6	1	BBS12SH

Single suction cup



BBS075

Diam mm	Length mm		
175	175	12	BBS075

Body clamp



BH8BC4



mm	kg		
95x185x125	2.6	1	BH8BC4

Wiper puller set with 8 different profile grippers  
Universal puller BBS165, sliding hammer BE1300SH



Part	Length	Weight
BBS170P11	31	
BBS170P12	23.3	
BBS170P13	16.2	
BBS170P14	23.5	
BBS170P15	37.7	
BBS170P16	19.4	
BBS170P17	17.2	
BBS170P18	16.2	

BBS170P13

mm	kg		
80x356x270	4.39	1	BBS170P13
55x290x75	1.22	10	BE1300SH
27x170x95	0.61	10	BBS165
		1	BBS170P131
		1	BBS170P132
		1	BBS170P133
		1	BBS170P134
		1	BBS170P135
		1	BBS170P136
		1	BBS170P137
		1	BBS170P138
		1	BBS170P139
		50	BBS165SP4

Double suction cups and belt set



BBS150

Length mm	ø mm		
400	120	1	BBS150

Body clamp



BH8BC5

mm	kg		
60x240x170	3.1	1	BH8BC5

Windscreen cut out tool





BBS105

mm	gr		
200x90x70	450	1	BBS105

3 pcs straight blade set





BBS107

pcs	widths mm		
3	19+25+38	1	BBS107

Windscreen cut out wires



BBS150S

Wire shape	Wire L m		
R	50	1	BBS150R
S	50	1	BBS150S
T	50	1	BBS150T

Urethane cutting knife





BBS10450

mm	gr		
450x30x10	270	1	BBS10450

3 pcs L shaped blades set



BBS108

Pcs	Widths mm		
3	19+25+38	1	BBS108

T-handle wire pusher



BBS102

mm	gr		
410x110x22	140	1	BBS102

Glass run channel cleaner



BBS106

mm	gr		
450x93x30	170	1	BBS106

2 pcs wire grip handle set



BBS101

mm	gr		
260x11x30	450	1	BBS101

Straight handle wire starter



BBS103

mm	gr		
450x93x30	170	1	BBS103

Pein & finishing hammer  
Flat round



BBSH2F

Face dim mm	F/C		
40	F	1	BBSH2F

Dressing hammer  
Flat face




BBSH1F

Face dim mm	F/C/M/SM		
50x30	F	1	BBSH1F

Shrinking hammer  
Milled round - flat square



BBSH3MF

Face dim mm	F/C/M/SM		
27 - 30	F - M	1	BBSH3MF

Light shrinking hammer  
Flat round - square milled square




BBSH3FS

Face dim mm	F/C/M/SM		
37 - 40	SM - F	1	BBSH3FS

Dressing hammer  
Milled face



BBSH1M

Face dim mm	F/C/M/SM		
50x30	M	1	BBSH1M

Angled pein & finishing hammer  
Convex round




BBSH2CA

Face dim mm	F/C		
40	C	1	BBSH2CA

Light bumping hammer  
Flat square - Convex round



BBSH3CF30

Face dim mm	F/C/M/SM		
25 - 30	F - C	1	BBSH3CF30

Pein and finishing hammer  
Convex round



BBSH2C

Face dim mm	F/C		
40	C	1	BBSH2C

Bumping hammer  
Flat square - Convex round



BBSH3CF

Face dim mm	F/C/M/SM		
37 - 40	F - C	1	BBSH3CF

Pick & finishing hammer  
Convex round



BBSH2CP

Face dim mm	F/C		
40	C	1	BBSH2CP

Wedge dolly



BBSDW

LxWxT mm	gr		
112x64x23	790	1	BBSDW

Heel dolly



BBSDH

LxWxT mm	kg		
79x60x25	1.13	1	BBSDH

Rubber heel dolly



BBSDHR

LxWxT mm	g		
40x150x100	360	1	BBSDHR

American dolly



BBSDA

LxWxT mm	kg		
83x63x30	1.3	1	BBSDA

Comma dolly



BBSDC

LxWxT mm	kg		
132x58x40	1.6	1	BBSDC

Single spoon



BBSS1

LxWxT mm	kg		
390x56x2	1.24	1	BBSS1

Toe dolly



BBSDT

LxWxT mm	kg		
120x58x26	1.4	1	BBSDT

Diabolo dolly



BBSDD

LxWxT mm	g		
55x55x55	760	1	BBSDD

Double spoon short



BBSS2

mm	kg		
400x60x5	1.7	1	BBSS2



Double spoon long



BBS2L

LxWxT mm	kg	
480x60x5	2.2	1 BBS2L

Plastic repair set & staplers



BBS210

Shape-mm	
95x357x270	1 BBS210
U-0.6	1 BBS210U06
U-0.8	1 BBS210U08
UL-0.6	1 BBS210UA06
UL-0.8	1 BBS210UA08
V-0.6	1 BBS210V06
V-0.8	1 BBS210V08
W-0.6	1 BBS210W06
W-0.8	1 BBS210W08

Fender cover



BBS50

mm	kg	
900x580	0.620	1 BBS50

Universal trim removal set, 12 pcs



BBS20P12

mm	kg	
18x290x165	0.150	1 BBS20P12

Trim pad remover



2485

L mm	
240	1 2485

Door upholstery removing plier



BBS200

L mm	
230	10 BBS200

Universal air bag removal tool set, 12pcs  
VW, Audi, Mercedes, BMW, Opel, Renault



BBS1001	VW Passat - ABS - 1001 - 1001
BBS1002	VW Passat B5 - 1002 - 1002 - 1002 - 1002 - 1002
BBS1003	VW Golf A - 1003 - 1003 - 1003 - 1003 - 1003
BBS1004	VW Golf A - 1004 - 1004 - 1004 - 1004 - 1004
BBS1005	VW Passat B5 - 1005 - 1005 - 1005 - 1005 - 1005
BBS1006	Audi A8 - 1006 - 1006 - 1006 - 1006 - 1006
BBS1007	Audi A8 - 1007 - 1007 - 1007 - 1007 - 1007
BBS1008	Audi A8 - 1008 - 1008 - 1008 - 1008 - 1008
BBS1009	Audi A8 - 1009 - 1009 - 1009 - 1009 - 1009
BBS1010	Audi A8 - 1010 - 1010 - 1010 - 1010 - 1010

BBS100

mm	kg	
44x260x150	1.240	1 BBS100
		1 BBS10001
		1 BBS10002
		1 BBS10003
		1 BBS10004
		1 BBS10005
		1 BBS10006
		1 BBS10007
		1 BBS10008
		1 BBS10009
		1 BBS10010

Body work scrapers set, 4 pcs





2220

1 22209004B

M3-M6 Nut riveter  
1468-M6: Set



1468-M6

Set	Insert		
M3-M6		1	1468-M6
	M3	1	1468-6M3
	M4	1	1468-6M4
	M5	1	1468-6M5
	M6	1	1468-6M6

M4-M10 Nut riveter





1468-10M10



1468-M10

1468-M10

Set	Inserts		
M4-M10		1	1468-M10
	M4	1	1468-10M4
	M5	1	1468-10M5
	M6	1	1468-10M6
	M8	1	1468-10M8
	M10	1	1468-10M10

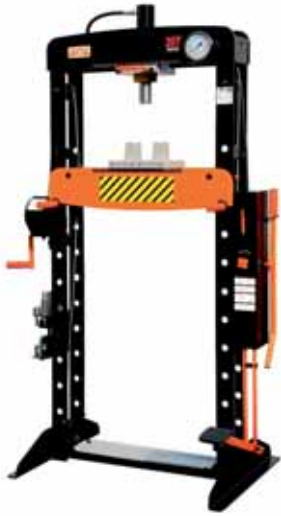


## Hydraulic & Lifting Equipment

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## PRESSES & ACCESSORIES

Hydraulic presses



BH720

BH720/BH730/BH750

Capacity Kg	
20.000	1 BH720
30.000	1 BH730
50.000	1 BH750

Hydraulic bench press



BH715

Capacity Kg	
15.000	1 BH715

Safety Grid



BH7\_SG

For press	WxH mm	
BH720	625x533	1 BH720SG
BH730	625x593	1 BH730SG
BH750	625x633	1 BH750SG

6 pcs pressing pins set



BH715-13

Capacity t	
2-3-8-12-14-16	1 BH715-13

8 pcs press pin set



BH720-22

Capacity t	
2-3-8-12-14-16-18-20	1 BH720-22

## CRANES & ACCESSORIES

1 t foldable crane  
Max height 2 m



BH6FC1000

cm	Kg	
41x167x50	75	1 BH6FC1000

2T foldable crane



BH6FC2000

cm	kg	
195x58x57	168	1 BH6FC2000

600 kg foldable pallet crane



BH6PC600

cm	kg		
165x49x51	103	1	BH6PC600

Adjustable engine sling  
Capacity 680 kg



BH6AC1-680



mm	kg		
70x680x220	6.7	1	BH6AC1-680

## JACKS & ACCESSORIES

Bottle jacks



BH4S



Capacity T	Height mm		
2	181-345	6	BH4S2
4	194-372	6	BH4S4
6	194-413	1	BH4S6
8	230-465	4	BH4S8
12	230-465	3	BH4S12
20	242-452	1	BH4S20

Bottle jacks



BH42



BH4

Capacity t	Height mm		
2	172-372	1	BH42
5	212-468	1	BH45
10	220-483	1	BH410
15	231-498	1	BH415
20	241-521	1	BH420
30	244-492	1	BH430

Transmission jacks, single piston



BH5SP300/BH5SP500

Capacity kg	Height mm		
300	1160-1960	1	BH5SP300
500	1160-1960	1	BH5SP500

Universal swivel saddle  
Capacity 500 kg



BH5US500

mm	kg		
240x960x340	14	1	BH5US500

1000 kg multipurpose trolley jack



BH1M1000

Capacity kg	Height mm		
1.000	100-465	1	BH1M1000

3000 kg trolley jack



BH1EU3000

Capacity kg	Height mm		
3.000	130-462	1	BH1EU3000

1.5 t aluminium jack



BH1A1500

Height mm	Capacity t		
95-485	1.5	1	BH1A1500

1 t cross beam adaptor



BH1CB1000

Capacity kg		
1.000	1	BH1CB1000

1.5 t low entrance trolley jack



BH11500

Height mm	Capacity t		
70-610	1.5	1	BH11500

2.5 t aluminium trolley jack



BH1A2500

Height mm	Capacity t		
95-485	2.5	1	BH1A2500

5 t extra long trolley jack



BH15000

Height mm	Capacity t		
150-680	5	1	BH15000

2 t low entrance trolley jack



BH12000

Height mm	Capacity t		
70-490	2	1	BH12000

3 t compact trolley jack



BH13000

Height mm	Capacity t		
90-552	3	1	BH13000

10 t extra long trolley jack



BH110000

Height mm	Capacity t		
160-685	10	1	BH110000



### 30 t air hydraulic jack



#### BH230

Height mm	Capacity t		
360-627	30	1	BH230

### 40/20/10 t air hydraulic jack



#### BH2402010

Height mm	Capacity t		
125-287	40/20/10	1	BH2402010

### 2 step balloon jacks



#### BH9BJ22

Capacity kg	Handle Size		
2000	L	1	BH9BJ22SLH
2000	S	1	BH9BJ22SSH

### 30/15 t air hydraulic compact jack



#### BH23015C

Height mm	Capacity t		
150-292	30/15	1	BH23015C

### 60/40/20 t air-hydraulic jack



#### BH2604020

Height mm	Capacity t		
150-312	60/40/20	1	BH2604020

### 3 step balloon jacks



#### BH9BJ23

Capacity kg	Handle Size		
2000	L	1	BH9BJ23SLH
2000	S	1	BH9BJ23SSH

### 30/15 t air hydraulic jack



#### BH23015

Height mm	Capacity t		
150-289	30/15	1	BH23015

### Universal saddles



#### BH2AC60

#### BH2AC60

mm	kg		
100x150x150	1	1	BH2AC60V110
100x150x150	1	1	BH2AC60-140

### Extensions for pneumatic jacks



#### BH9BJ260\_80

L mm		
60	1	BH9BJ260
80	1	BH9BJ280

### Jack stand pair



#### BH33000/BH36000

Height mm	Capacity kg		
288-425	3000	1	BH33000
395-605	6000	1	BH36000

### Jack stands



BH3HD8000

#### BH3HD

Height mm	Capacity Kg		
385-600	8000	2	BH3HD8000
345-515	12000	1	BH3HD12000
480-720	16000	1	BH3HD16000
745-1200	20000	1	BH3HD20000

### Auto-rising jack stands



BH3A3000

#### BH3A

Capacity kg	Min/Max mm		
3.000	344 / 510	1	BH3A3000
5.000	403 / 620	1	BH3A5000
10.000	526 / 776	1	BH3A10000

### Square base jack stand



#### BH3SQ

Capacity kg	Min/Max mm		
7000	268/420	2	BH3SQ7000
15000	338/500	1	BH3SQ15000

### Engine support bar

Capacity 500 kg



#### BH8AC1-500

mm	kg		
70x680x220	6.7	1	BH8AC1-500

### G geared engine stand

Capacity 450 kg



#### BH8AC2-450

mm	kg		
240x960x340	41.5	1	BH8AC2-450

### Hydraulic wheel dolly

Capacity 500 kg, entry height: 80-615 mm, opening width: 201-602 mm



#### BH8AC3-500

kg		
88.5	1	BH8AC3-500

### Portable ram sets



BH8PR4000

#### BH8PR

Capacity t	Weight kg		
10T	20	1	BH8PR10000
4T	38.5	1	BH8PR4000



# Lighting




## CORDLESS LIGHTING & ACCESSORIES

Pen torch light



BLTS7P

Lm	LxWxT mm		
45	170x23x26	58	BLTS7P

Slim torch light



BLTS10

Lm	LxWxT mm		
180	262x31x20	20	BLTS10

Flex torch and COB lamp





BLTFC1

Lm	LxWxT mm		
180	270x37x50	1	BLTFC1

Flex torch lamp with UV light





BLTFS6U

Lm	LxWxT mm		
250	280x55x53	9	BLTFS6U

Heavy duty induction lamp



BLTS6I

Lm	LxWxT mm		
200	280x55x45	15	BLTS6I

Lighting set





BLTI3P

Lm	LxWxT		
100-140	205x195x45	18	BLTI3P

Work lamp




BLS68

Lm	LxWxT mm		
350	492x45x45	21	BLS68

Work lamp



BLS128

Lm	LxWxT mm		
575	1090x50x52	20	BLS128

Under bonnet light





BLX128

Lm	LxWxT mm		
575	1150x70x135	10	BLX128

Cordless tubular LED lamps  
1200/1700/2000 LUX; IP rating 54



BL30/BL60/BL80

mm	kg		
351	0.35	15	BL30
395	0.42	15	BL60
437	0.48	15	BL80

15 LED cordless compact lamp  
1000 LUX output; IP rating 65



BL15

mm	Kg		
181	0.175	25	BL15

Flex light with moveable mirror



BL1FM

L mm		
530	1	BL1FM

LED flex light, 30 lumens



LA010

mm	kg		
630	0,2	12	LA010

Universal wall charger for BL30, BL60 and BL80



BL30/60/80 WC

mm	kg		
80x70	0.14	1	BL30WC
80x70	0.14	1	BL60/80WC

12/24 V car charger for BL15



BL15CLC

mm	kg		
90x35	0.04	1	BL15CLC

Magnet for BL15



BL15MAG

mm	kg		
18x29	0.02	1	BL15MAG

Universal wall charger for BLX120



BLX120WC

mm	kg		
50x265x55	0.215	1	BLX120WC

## CORDED LIGHTING & ACCESSORIES

Corded hand lamp 11 W  
600 LUX output; IP rating 54



BL11W

mm	kg		
448	0.72	20	BL11W

Task lamp



BLW70

Volts	SMD QTY	
230	70	4 BLW70

24V cable reels



BLCR24VCL

BLCR24V

In/out V	Max W	
230/24	60	1 BLCR24VCL
230/24	60	1 BLCR24VLL

Speed control adaptors for reels



BLCRSC1

BLCRSC

For BLCR..	
..230PL, FR, SC	1 BLCRSC1
..24VCL, VLL	1 BLCRSC2
..400E	1 BPHRSC

230V Cable reels



BLCR230

V/Plug	Max Power W	
230/FR	800/2000	1 BLCR230FR
230/-	800/2000	1 BLCR230PL
230/Schuko	800/2000	1 BLCR230SC

400V Cable reel



BLCR400E

V	Max Power W	
400	2800/5000	1 BLCR400E





## Inspection tools



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## ENDOSCOPES & ACCESSORIES

### Videoscope





#### BE210

kg	mm		
2.7	120x410x335	1	BE210
0.2	42x76x70	1	ZHVIDEOBAT
0.250	42x76x70	1	ZHVIDEOCHA

### Endoscope



#### BE200



kg	mm		
2.3	120x410x335	1	BE200

### Lens cables Suitable for BE200 and BE210



25 m



#### BE200C

Diameter mm	Length m		
25.0	10	1	BE200CAB250SH10
25.0	25	1	BE200CAB250SH25
25.0	3	1	BE200CAB250SH3
4.0	1	1	BE200CAB40F1
5.5	1	1	BE200CAB55F1
5.5	3	1	BE200CAB55F3
5.8	1	1	BE200CAB58SR1
5.8	3	1	BE200CAB58SR3
8.0	1	1	BE200CAB80SR1
8.0	3	1	BE200CAB80SR3

### Mirrors and magnetic tips



#### BE200M

Angle	Compatible		
	5.5, 5.8 mm	1	BE200MAG55
	8 mm	1	BE200MAG80
35°	5.5, 5.8 mm	1	BE200MIR5535
45°	5.5, 5.8 mm	1	BE200MIR5545
55°	5.5, 5.8 mm	1	BE200MIR5555
35°	8 mm	1	BE200MIR8035
45°	8 mm	1	BE200MIR8045
55°	8 mm	1	BE200MIR8055

## STETHOSCOPE

### Garage stethoscope



#### BE220

mm	kg		
135x350x260	2.96	1	BE220

### Stethoscope, steel probe



#### 5050

mm		
1000	1	5050



## Extractors & pullers

## EXTRACTORS

### Universal extractor, 2 arm



4532

mm	L		
25-80/70-130	100	1	4532-A
25-80/70-130	200	1	4532-AL
25-130/80-180	100	1	4532-B
25-130/80-180	200	1	4532-BL
50-160/105-220	150	1	4532-C
50-160/105-220	300	1	4532-CL
60-200/120-270	150	1	4532-D
80-250/160-330	200	1	4532-E
80-350/160-420	200	1	4532-F
110-520/195-600	200	1	4532-G
170-640/260-715	225	1	4532-H
4532-A-AL		1	4532-A/B
4532-B-BL		1	4532-B/B
4532-C-CL		1	4532-C/B
4532-D		1	4532-D/B
4532-E		1	4532-E/B
4532-F		1	4532-F/B
4532-G/G-SO		1	4532-G/B
4532-H		1	4532-H/B
4532-A-B	100	1	4532K1
4532-C-D	150	1	4532K2
4532-E-G	200	1	4532K3
4532-H	225	1	4532K4
4532-A-B	200	1	4532LK1
4532-C-D	300	1	4532LK2
4532-E-G	300	1	4532LK3
4532-E-G	400	1	4532LK4
4532-E-G	500	1	4532LK5
4532-O-A-B		1	4532-OAB/S
4532-C-D		1	4532-CD/S
4532-E-F-G		1	4532-EFG/S
4532-H		1	4532-H/S

4532/B: Spare body 4532K: Pair of spare arms

4532LK: Pair of long spare arms 4532/S: Spare spindle

### Thin wall extractor



4532-0

mm	L		
20-90/70-130	100	1	4532-0
4532-0		1	4532-0/B
4532-0	100	1	4532K0
4532-0		1	4532-OAB/S

4532-0/B: Spare body 4532K0: Pair of spare arms

4532-OAB/S: Spare spindle

### Extractor set, 2 arm pullers, 5 pce display



4532ST/5

sizes		
4532-A - E	1	4532ST/5

### Extractor, 3 and multi-arm



4533M

4533

mm	L		
150-700		1	4533HP
150-700		1	4533M
4533HP	185	1	4533HPK
4533M	200	1	4533MK
4533HP		1	4533HP/S
4533M		1	4533M/S

4533HP: hydraulic 4533M: mechanical 4533/S:

Spare spindle 4533/K: Set of 3 spare arms

### Hydraulic rams



4529

Tn/Nm		
8 / 60	1	4529-8
15 / 70	1	4529-15

### Extractor, 2 arm



4541

mm	L		
20-150	85	1	4541-A
40-220	130	1	4541-B
4541-A		1	4541-A/B
4541-B		1	4541-B/B
4541-A	85	1	4541KA
4541-B	130	1	4541KB

4541/B: Spare body 4541K: Spare arm

4532-4519/S: Spare spindle

### Extractor, 2 arms, heavy duty



4537

4537

mm	L		
20-170	130	1	4537-1
20-230	200	1	4537-2
50-300	250	1	4537-3
50-350	350	1	4537-4
4537-1		1	4537-1/B
4537-2		1	4537-2/B
4537-3/4537-4		1	4537-34/B
4537-1	130	1	4537K1
4537-2	200	1	4537K2
4537-3	250	1	4537K3
4537-4	350	1	4537K4

4537/B: Spare body 4537K: Spare arm

4532-4519/S: Spare spindle

Extractor, 3 arm



4542

mm	L		
20-150	85	1	4542-A
40-220	130	1	4542-B
4542-A		1	4542-A/B
4542-B		1	4542-B/B
4542-A	85	1	4541KA
4542-B	130	1	4541KB

4542/B: Spare body 4541K: Spare arm  
4532-4519/S: Spare spindle

Extractor, 3 arm hydraulic, heavy duty, and replacement arms



4528

4528

mm	L		
50-350	135	1	4528-1
4528-1		1	4528-1/B
4528-1	135	1	4528K1
4528-1	235	1	4528K2
4528-1	285	1	4528K3
4528-1	335	1	4528K4
4528-1	385	1	4528K5
4528-1		1	4533HP/S

4528K: Set of 3 spare arms 4528/B: Spare body 4533HP/S: Spare hydraulic spindle

Extractors, 2 and 3 arm



4544-3

4544

mm	L		
10-100		1	4544-1
10-120		1	4544-2
20-160		1	4544-3
20-250		1	4544-4
10-100		1	4544-10
10-120		1	4544-20
20-160		1	4544-30
4544-1		1	4544-1/B
4544-2		1	4544-2/B
4544-3		1	4544-3/B
4544-4		1	4544-4/B
4544-10		1	4544-10/B
4544-20		1	4544-20/B
4544-30		1	4544-30/B
4544-1/4544-10	80	1	4544K110
4544-2/4544-20	120	1	4544K220
4544-3/4544-30	160	1	4544K330
4544-4	200	1	4544K440
4544-1/4544-10		1	4544-110/S
4544-2/4544-20		1	4544-220/S
4544-3/4544-30		1	4519-1/S
4544-4		1	4544-440/S

4544-1/4: w/2 arms 4544-10/30: w/3 arms 4544/B: spare body 4544K: spare arm 4544/S: spare spindle

Extractor, 3 arms, heavy duty



4528M

mm	L		
20-170		1	4528M1
20-230		1	4528M2
50-300		1	4528M3
50-350		1	4528M4
50-400		1	4528M5
4528M1		1	4528M1/B
4528M2		1	4528M2/B
4528M3/M4/M5		1	4528M345/B
4528M1	130	1	4537K1
4528M2	200	1	4537K2
4528M3	250	1	4537K3
4528M4	350	1	4537K4
4528M5	400	1	4528MK5

4528M/B: Spare body 4537K-4528MK: Spare arm  
4532/S-4519/S: Spare spindle

Extractor, two and 3 arm



4543-1

4543

mm	L		
10-60	40	1	4543-1
10-70	74	1	4543-2
10-90	84	1	4543-3
10-60	40	1	4543-10
10-70	74	1	4543-20
10-90	84	1	4543-30
4543-1/4543-2		1	4543-12/B
4543-3		1	4543-3/B
4543-10/4543-20		1	4543-1020/B
4543-30		1	4543-30/B
4543-1/4543-10	40	1	4543K110
4543-2/4543-20	74	1	4543K220
4543-3/4543-30	84	1	4543K330
4543-1/4543-10		1	4543-1/S
4543-2/4543-20		1	4543-2/S
4543-3/4543-30		1	4543-3/S

4543-1/3: w/2 arms 4543-10/30: w/3 arms 4543/B: Spare body 4543K: Spare arm 4543/S: Spare spindle

Universal hub extractor



4518-3

4518

n.arms-mm		
3-225		1 4518-3
4-225		1 4518-4
5-225		1 4518-5

## Ball joint extractor



4545

Ø mm	
18x40x40	1 4545-1
25x50x50	1 4545-2
29x60x60	1 4545-3
40x80x80	1 4545-4
45x90x100	1 4545-5

## Universal ball joint extractor



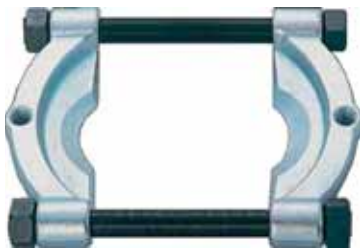
4545-N1 & 4545-N11

4545-N

Ø mm	
18-22x50	1 4545-N1
27-36x90	1 4545-N11
26x50	1 4545-N2
26x60-80	1 4545-N21
4545-N1	1 4545-N1/S
4545-N2	1 4545-N2/S

4545/S: Spare spindle

## Seperators



4551

Extractors	
4552-1	1 4551-A
4552-1	1 4551-B
4552-2	1 4551-C
4552-3	1 4551-D

## Extractors



4551-A	1	4551-A/S
4551-B	1	4551-B/S
4551-C	1	4551-C/S
4551-D	1	4551-D/S

4551/S: spare spindle

## Extractor for seperators



4552-1

4552

mm	
45-140/150	1 4552-1
55-200/210	1 4552-2
90-260/315	1 4552-3
4552-1	1 4552-1/B
4552-2	1 4552-2/B
4552-3	1 4552-3/B
4552-1	1 4552K1
4552-2	1 4552K2
4552-3	1 4552K3

4552/B: Spare body 4552K: Spare tie rod

4552/S: Spare spindle

## Multiple extractor, 5 pcs



4540

mm	L	
30-170/65-140		1 4540-17
4540-17	65	1 4540-17/K4
4540-17	100	1 4540-17/K3
4540-17	140	1 4540-17/K2
4540-17	140	1 4540-17/K1
4540-17		1 4540-17/S
75-250/77-180		1 4540-25
4540-25	77	1 4540-25/K4
4540-25	122	1 4540-25/K3
4540-25	180	1 4540-25/K2
4540-25	180	1 4540-25/K1

4540/S: Spare spindle 4540K: Spare arm K4&K3:

Curve K2: Concave K1: Straight

## Ball bearing internal extractors



4521N

mm	
5-7	1 4521N-00
7-9	1 4521N-0
9-12	1 4521N-A
10-13	1 4521N-B
13-17	1 4521N-C
14-19	1 4521N-D
16-21	1 4521N-E
18-23	1 4521N-F
20-25	1 4521N-G
25-30	1 4521N-H
30-37	1 4521N-I
35-42	1 4521N-K
38-45	1 4521N-L
43-50	1 4521N-M
40-75	1 4521N-S
70-115	1 4521N-T

## Extractor, 2 arm

To be used with 4521



4522

Extractors	spindle	
4521N-00-M		1 4522-1
4521N-S-T		1 4522-2
4522-1		1 4522-1/B
4522-2		1 4522-2/B
4522-1		1 4522K1
4522-2		1 4522K2
4522-1	M16x1.5x136	1 4522-1/S
4522-2	M24x1.5x160	1 4522-2/S

4522/B: Spare body 4522K: Spare arm

4522/S: Spare spindle



### Complete workshop extractor assortment



4521N/7



1 4521N/7

#### 4521N-B

4521N-D, 4521N-G, 4521N-H, 4521N-I, 4521N-L, 4521N-S

4522-1, 4522-2

### Sliding hammer 400g



4523G

#### Extractors



4521N-OO/E

1 4523G

### Sliding hammer 1.3kg



4524G

#### Extractors



4521N - F-M

1 4524G

### Ball bearing extractor without arms



4581N-4583N

#### For arms



4581NA,4581NB	1	4581N-1
4581NB2,4581NC	1	4582N-1
4581NC,4582NA	1	4582N-2
4582NA,4583NA	1	4583N-1
4582NA,4582NB	1	4583N-2

### Extractor spare arms- set of 4 pcs



4581NA-4583NB

#### Extractors



4581N-1	1	4581NA
4581N-1	1	4581NB
4582N-1	1	4581NB2
4582N-1,4582N-2	1	4581NC
4582N-1,4583N-2	1	4582NA
4582N-2,4583N-2	1	4582NB
4583N-1	1	4583NA
4583N-1,4583N-2	1	4583NB

### Ball bearing extractor set



4580N/7



1 4580N/7

### Ball bearing extractor set



4578



1 4578

#### Contains:

4581N-1, 4582N-2, 4581NA, 4581NB, 4581NB2, 4581NC

### Extractor, scissor type



4614

#### mm



6-100	1	4614-1
10-140	1	4614-2
4614-1	1	4614-1/B
4614-2	1	4614-2/B
4614-1	1	4614K1
4614-2	1	4614K2

4614/B: spare body 4614K: pair of spare arms

4543-4532/S: spare spindle

### Extractor with clamp



4519

#### mm



20-110x170	1	4519-1
40-150x270	1	4519-2
40-150x330	1	4519-3
4519-1	1	4519-1/B
4519-2/4519-3	1	4519-23/B
4519-1	1	4519K1
4519-2	1	4519K2
4519-3	1	4519K3
4519-1	1	4519-1/S
4519-2/4519-3	1	4519-2/S

4519/B: spare body 4519K: spare arm

4519/S: spare spindle

### Hydraulic nut splitter



4610

<b>M</b>	
4-14	1 4610-1

### Mechanical nut splitter



4611

<b>mm</b>	
6-27	1 4611-2
24-40	1 4611-3
4611-2	1 4611-2/B
4611-2	1 4611-2/S
4611-3	1 4611-3/B
4611-3	1 4611-3/S

4611/S: Spare spindles 4611/B: Spare blades

### Stud removers



4553

<b>mm</b>	
5-20	1 4553

### Stud removers



4591-4593

<b>mm</b>	
5-15	1 4591
10-19	1 4592
18-28	1 4593

### Extractors and separator set



4574

1 4574

<b>4532</b>	
4532-A, -C	
<b>4551-C</b>	
<b>4532LK</b>	
4532LK1, & LK2	
<b>4529-15</b>	

### Extractor set for car maintenance



4577

1 4577

<b>4565N</b>	
<b>4545-N2</b>	
<b>4532-B</b>	
<b>4614-1</b>	
<b>4521N</b>	
4521N-B, 4521N-D, 4521N-G4521N-H, 4521N-I, 4521N-L	
<b>4523G</b>	
<b>4522-1</b>	

### Mini extractor set



4579

1 4579

4543-2, 4543-3, 4543-1020/B, 4543-30/B, 4543K220, 4543K330

### Stud extractors for broken-off screws, bolts and studs



1420-1424

<b>M</b>	
3-6	1 1420-1.4
6-8	1 1421-2.1
8-11	1 1422-3.1
11-14	1 1423-4.8
14-18	1 1424-6.2

### Stud extractor set, 5 pcs



1435/5

<b>M</b>	
	1 1435/5

1420 1421 1422 1423 1424

Stud extractor set, 8 pcs



1435/8

M		
		1 1435/8

1420 1421 1422 1423 1424 1425 1426 1427

Stud extractors



1411-1415

M	Guides		
6	1418A-1418B	1	1411-3.2
8	1418C-1418D	1	1412-4.8
10	1418E-1418F	1	1413-6.4
12	1418G-1418H	1	1414-8
14-16	1418I-1418K	1	1415-8.7

Stud extractor bit set



BWMSP15

mm		
40x250x110		1 BWMSP15

Stud extractor bits



BWMSP15

hex dr inch	Tip mm inch		
1/2	3	1	BWMSP1501
1/2	4	1	BWMSP1502
1/2	5	1	BWMSP1503
1/2	5.5	1	BWMSP1504
1/2	6	1	BWMSP1505
1/2	8	1	BWMSP1506
1/2	10	1	BWMSP1507
1/2	1/8	1	BWMSP1508
1/2	3/16	1	BWMSP1509
1/2	1/4	1	BWMSP1510
1/2	3/8	1	BWMSP1511
5/8	11	1	BWMSP1512
5/8	12	1	BWMSP1513
5/8	14	1	BWMSP1514
5/8	1/2	1	BWMSP1515

Stud remover and installer set



1411AUP8

MM	KG		
80x198x228	0.55	1	1411AUP8

Stud removal, installation set



1411AUP8

Thread			
M6		1	1411AUP81
M8		1	1411AUP82
M10		1	1411AUP83
M10		1	1411AUP84

Stud extractors for broken-off screws, bolts and studs set



1418S

M		
		1 1418S

1411 1412 1413 1414 1415

G220 HSS-M		
3.2 4.8 6.4 8 8.7 mm DIN 338 RN		
1418		
A B C D E F G H I K		

Guide bushes



1418A-K

Ø Screw		
6		1 1418A
8		1 1418B
9		1 1418C
10		1 1418D
10		1 1418E
11		1 1418F
12		1 1418G
13		1 1418H
13		1 1418I
14		1 1418K

Set of stud extractor for broken screws 4 pcs



1419/4

sizes		
M5-M24		1 1419/4

M5-M10; M8-M14; M12-M20; M16-M24

Set of thread-cutting tools, 37 pcs



1460M/1



M5-M12

1 1460M/1

Set of thread-cutting tools, 55 pcs



1460M/2



M5-M20

1 1460M/2

Sets of thread-cutting tools



1460Z/2



1 1460Z/2

Tap wrenches



600

mm



3-10

1 600.003.010

5-12

1 600.005.012

Double thread restorers, metric



1450D-ISO

mm



5-27

1 1450D-ISO

Double thread restorers, inch



1450D-WW

inches



3/16-1

1 1450D-WW

Double thread restorers set



1450D/2



1 1450D/2

1450D-ISO

1450D-WW

## PRY BARS

Combination cotter pin extractor, and spreader



2632

mm



170

1 2632

Special pry bar



3680

mm



400

1 3680

Lever



3683

mm



400

1 3683

Pry bar, rolling head



3681

mm



304

1 3681-11

406

1 3681-16

508

1 3681-20

Pinch bar



3684

mm	
406	1 3684-16
457	1 3684-18
609	1 3684-24
762	1 3684-30

Set of 4 pry bars  
200, 300, 450 and 600 mm



2484/S4

mm	
640x115x35	1 2484/S4

Pry bars with plastic handles



2484-20/2484-60

L	
200	1 2484-20
300	1 2484-30
450	1 2484-45
600	1 2484-60







## Tool storage



## TOOL STORAGE

8 drawer trolley  
Lock & Go! latching system



1475K8

dimensions	kg capacity		
677x501x955	1.100	1	1475K8PC
677x501x955	1.100	1	1475K8PCM
677x501x955	1.100	1	1475K8PDG
677x501x955	1.100	1	1475K8PEV
677x501x955	1.100	1	1475K8PSP
677x501x955	1.100	1	1475K8PJJ
677x501x955	1.100	1	1475K8PAW
677x501x955	1.100	1	1475K8PSV

6 drawer extra large capacity trolley  
Lock & Go! latching system



1475KXL6

dim. in mm	kg capacity		
1.016x501x9	1.100	1	1475KXL6PC
1.016x501x9	1.100	1	1475KXL6PCM
1.016x501x9	1.100	1	1475KXL6PDG
1.016x501x9	1.100	1	1475KXL6PEV
1.016x501x9	1.100	1	1475KXL6PSP
1.016x501x9	1.100	1	1475KXL6PJJ
1.016x501x9	1.100	1	1475KXL6PAW
1.016x501x9	1.100	1	1475KXL6PSV

7 drawer extra large capacity trolley  
Lock & Go! latching system



1475KXL7

dimensions	kg capacity		
1.016x501x9	1.100	1	1475KXL7PC
1.016x501x9	1.100	1	1475KXL7PCM
1.016x501x9	1.100	1	1475KXL7PDG
1.016x501x9	1.100	1	1475KXL7PEV
1.016x501x9	1.100	1	1475KXL7PSP
1.016x501x9	1.100	1	1475KXL7PJJ
1.016x501x9	1.100	1	1475KXL7PAW
1.016x501x9	1.100	1	1475KXL7PSV

7 drawer extra large capacity trolley with wooden top  
Lock & Go! latching system



1475KXL7TW

dimensions	kg capacity		
1.016x501x1	1.100	1	1475KXL7PCTW
1.016x501x1	1.100	1	1475KXL7PCMTW
1.016x501x1	1.100	1	1475KXL7PDGTW
1.016x501x1	1.100	1	1475KXL7PEVTW
1.016x501x1	1.100	1	1475KXL7PSPTW
1.016x501x1	1.100	1	1475KXL7PJJTW
1.016x501x1	1.100	1	1475KXL7PSVTW

12 drawer extra large capacity trolley- stainless steel top  
Lock & Go! latching system



1475KXL12TSS

dimensions	kg capacity		
1.016x501x1	1.100	1	1475KXL12PCMTSS
1.016x501x1	1.100	1	1475KXL12PCTSS

dimensions	kg capacity		
1.016x501x1	1.100	1	1475KXL12PDGTSS
1.016x501x1	1.100	1	1475KXL12PEVTSS
1.016x501x1	1.100	1	1475KXL12PJTSS
1.016x501x1	1.100	1	1475KXL12PSPSS
1.016x501x1	1.100	1	1475KXL12PSVSS

5 drawer trolley



1470K5

dimensions	kg		
667x501x950	62	1	1470K5

6 drawer trolley



1470K6

dimensions	kg		
677x501x950	66	1	1470K6

7 drawer trolley



1470K7

dimensions	kg		
677x501x950	68	1	1470K7

### 6 drawer and side cabinet trolley



1470KXL6C

dimensions	kg capacity		
1016x501x1020	900	1	1470KXL6C

### 4 drawer top chest



1480K4

dimensions	kg capacity		
677x501x420	40	1	1480K4

### Set of drawer liners- 7P



1470KAC1

g			
665	1	1470KAC01	

### Stainless steel tops for trolleys



1470K-AC5/1470KXL-AC5

1	1470K-AC5		
1	1470KXL-AC5		

### Wooden tops for trolleys



SNAWT1470/SSNAWT1475

1	SNAWT1470		
1	SSNAWT1475		

### Foldable metallic tray for tool trolleys



1470K-AC1

g			
6300	1	1470K-AC1	

### Pry bar/screwdriver box for tool trolleys



1470K-AC2

g			
4900	1	1470K-AC2	

### Can holder for tool trolleys



1470K-AC3

g			
2200	1	1470K-AC3	

### Document holder for trolleys



1470K-AC4

g			
3300	1	1470K-AC4	

### Slots and dots side panel for tool trolleys



1470K-ACSIDE

mm	kg		
822x429	4.5	1	1470K-ACSIDE

6M open-end spanners, T3  
/E: Empty inlay



6M/T3/5



- 1 6M/T3/5
- 1 6M-SBS10/T3/E

**6M**  
6-7 8-9 10-11 12-13 14-15 mm

SBS Series open-end spanners, T12  
/E: Empty inlay



SBS10/T12/6



- 1 SBS10/T12/6
- 1 SBS10/T12/E

**SBS10**  
16-17 18-19 20-22 21-23 24-27 30-32 mm

111M Series combination spanners, T15  
/E: Empty inlay



111M/T15/6



- 1 111M/T15/6
- 1 111M-S20/T15/E

**111M**  
21, 22, 24, 27, 30, 32 mm

6M open-end spanners, T12  
/E: Empty inlay



6M/T12/7



- 1 6M/T12/7
- 1 6M/T12/E

**6M**  
16-17 18-19 20-22 21-23 24-27 25-28 30-32 mm

111M Series combination spanners, T4  
/E: Empty inlay



111M/T4/8



- 1 111M/T4/8
- 1 111M-S20/T4/E

**111M**  
6, 7, 8, 9, 10, 11, 12, 13 mm

SBS Series combination spanners, T4  
/E: Empty inlay



SBS20/T4/8



- 1 SBS20/T4/8
- 1 111M-S20/T4/E

**SBS20**  
6, 7, 8, 9, 10, 11, 12, 13 mm

SBS Series open-end spanners, T3  
/E: Empty inlay



SBS10/T3/5



- 1 SBS10/T3/5
- 1 6M-SBS10/T3/E

**SBS10**  
6-7 8-9 10-11 12-13 14-15 mm

111M Series combination spanners, T6  
/E: Empty inlay



111M/T6/7



- 1 111M/T6/7

**111M**  
14, 15, 16, 17, 18, 19, 20 mm

SBS Series combination spanners, T6  
/E: Empty inlay



SBS20/T6/7



- 1 SBS20/T6/7
- 1 111M-S20/T6/E

**SBS20**  
14, 15, 16, 17, 18, 19, 20 mm

SBS Series combination spanners, T15  
/E: Empty inlay



SBS20/T15/6



- 1 SBS20/T15/6
- 1 111M-S20/T15/E

**SBS20**

21, 22, 24, 27, 30, 32 mm

1RM ratchet combination spanners, T2  
/E: Empty inlay



1RM/T2/4



- 1 1RM/T2/4
- 1 1RM/T2/E

**1RM**

8, 9, 10, 11 mm

1RM ratchet combination spanners, T6  
/E: Empty inlay



1RM/T6/8



- 1 1RM/T6/8
- 1 1RM/T6/E

**1RM**

12, 13, 14, 15, 16, 17, 18, 19 mm

2M Series double ended ring spanners, T8  
/E: Empty inlay



2M/T8/7

mm



- 1 2M/T8/7
- 1 2M-SBS30/T8/E

**2M**

6-7 8-9 10-11 12-13 14-15 16-17 18-19 mm

2M Series double ended ring spanners, T10  
/E: Empty inlay



2M/T10/5



- 1 2M/T10/5
- 1 2M/T10/E

**2M**

20-22 21-23 24-27 25-28 30-32 mm

SBS Series double ended ring spanners, T8  
/E: Empty inlay



SBS30/T8/7



- 1 SBS30/T8/7
- 1 2M-SBS30/T8/E

**SBS30**

6-7 8-9 10-11 12-13 14-15 16-17 18-19 mm

SBS Series double ended ring spanners, T10  
/E: Empty inlay



SBS30/T10/4



- 1 SBS30/T10/4
- 1 SBS30/T10/E

**SBS30**

20-22 21-23 24-27 30-32 mm

28M double ended forged offset Bi-hex-Hex, T15  
/E: Empty inlay



28M/T15/13



- 1 28M/T15/13
- 1 28M/T15/E

**28M**

7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

28M double ended forged offset Bi-hex-Hex, T20  
/E: Empty inlay



28M/T20/6



- 1 28M/T20/6
- 1 28M/T20/E

**28M**

22, 23, 24, 27, 30, 32 mm



29M double ended forged offset Hex-Hex, T15  
/E: Empty inlay



29M/T15/13



- 1 29M/T15/13
- 1 28M/T15/E

29M

7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

29M double ended forged offset Hex-Hex, T20  
/E: Empty inlay



29M/T20/6



- 1 29M/T20/6
- 1 28M/T20/E

29M

22, 23, 24, 27, 30, 32 mm

4040M flex-head spanners, T12  
/E: Empty inlay



4040M/T12/8



- 1 4040M/T12/8
- 1 4040M-SBS50/T12/E

4040M

8-9 10-11 12-13 14-15 16-17 18-19 20-22 21-23 mm

SBS Series flex-head spanners, T12  
/E: Empty inlay



SBS50/T12/8



- 1 SBS50/T12/8
- 1 4040M-SBS50/T12/E

SBS50

8-9 10-11 12-13 14-15 16-17 18-19 20-22 21-23 mm

7800SM 1/2", hex, socket set, T12  
/E: Empty inlay



7800SM/T12/26



- 1 7800SM/T12/26
- 1 7800SM/T12/E

7800SM

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm

8155-1/2

8160-1/2 & 8162-1/2

125 mm & 250 mm

8154-1/2

283 mm

8166-1/2

7800DM 1/2" double hex. socket set, T12  
/E: Empty inlay



7800DM/T12/27



- 1 7800DM/T12/27
- 1 7800DM/T12/E

7800DM

8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 31, 32 mm

8155-1/2

8160-1/2 & 8162-1/2

125 mm & 250 mm

8154-1/2

283 mm

8166-1/2

SBS Series 1/2" socket set, T20  
/E: Empty inlay



SBS80/T20/29



- 1 SBS80/T20/29
- 1 SBS80/T20/E

SBS80

8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 30, 32 mm

SBS81

1/2"

SBS83

3 (75 mm), 5 (125 mm), 10 (250 mm)

SBS86

1/2" - 283 mm

SBS85

1/2"

SBS87S & SBS87

257 mm & 390 mm

SBS88 & SBS89

1/2"-3/8" & 1/2"-3/4"



Set of magnetic disc + double hexagon socket, long series, 1/2", T6  
 Long series, 1/2", T6 /E: Empty inlay



7805DM/T6/6



- 1 7805DM/T6/6
- 1 7805DM/T6/6/E

**7805DM**

10, 12, 13, 17, 19 mm

**1419-MD**

150 mm

6700SM 1/4" socket set, T4  
 /E: Empty inlay



6700SM/T4/19



- 1 6700SM/T4/19
- 1 6700SM/T4/E

**6700SM**

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm

**6950**

1/4"

**6960 & 6962**

50 mm & 150 mm

**6954**

1/4" - 115 mm

**6966**

1/4"

**6956**

1/4"

SBS Series 1/4" socket set, T4  
 /E: Empty inlay



SBS60/T4/21



- 1 SBS60/T4/21
- 1 SBS60/T4/E

**SBS60**

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm

**SBS61**

1/4"

**SBS67**

1/4"

**SBS64**

1/4" - 125 mm

**SBS65**

1/4"

**SBS63-2 & SBS63-4 & SBS63-6**

50 mm & 100 mm & 150 mm

**SBS69**

1/4" - 3/8"

7400SM 3/8" socket set, T8  
 /E: Empty inlay



7400SM/T8/23



- 1 7400SM/T8/23
- 1 7400SM/T8/E

**7400SM**

6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 mm

**7755-3/8**

**7760 & 7761 & 7762**

75 mm & 125 mm & 250 mm

**7754**

3/8" - 160 mm

**7766**

3/8"

SBS Series 3/8" socket set, T8, 23 pieces  
 /E: Empty inlay



SBSF/T8/23



- 1 SBSF/T8/23
- 1 SBSF/T8/E

**SBSF**

6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

**SBS750**

3/8"

**SBS760 & SBS761 & SBS762**

75 mm & 125 mm & 250 mm

**SBS755**

3/8" - 160 mm

**SBS775**

3/8"

**SBS723 & SBS724**

3/8"-1/4" & 3/8"-1/2"

**SBS705**

3/8"

Screwdriver set, Slotted and Phillips®, T10  
 /E: Empty inlay

**ergo®**



BE009/T10/9



- 1 BE009/T10/9
- 1 BE009/T10/E

**BE-8020L & BE-8040 & BE-8150 &**

**BE-8255 & BE-8256**

3\*75 mm & 4\*100 mm & 5.5\*100 mm & 6.5\*150 mm & 8\*150 mm

**BE-8340**

4\*25 mm

**BE-8610 & BE-8620**

PH 1 \* 75 mm & PH 2 \* 100 mm

**BE-8601**

PH 1 \* 25 mm

800 Series screwdriver set, T10  
/E: Empty inlay



800S/T10/9



- 1 800S/T10/9
- 1 800S/T10/E

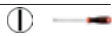
811-5.5-100 & 811-6.5-125 & 811-8-150

5.5\*150 mm & 6.5\*125 mm & 8\*150 mm



813-3-75 & 813-4-100

3.0\*75 mm & 4.0\*100 mm



815-1-100 & 811-2-125

PH 1 \* 100 mm & PH 2 \* 125 mm



815-1-25

PH 1 \* 25 mm



811-5.5-25

5.5\*25 mm



600 Series screwdriver set, T10  
/E: Empty inlay



600S/T10/9



- 1 600S/T10/9
- 1 600S/T10/E

613-3-75

3\*75 mm



611-4-100 & 611-5.5-100 & 611-6.5-150 & 611-8-150

4\*100 mm & 5.5\*100 mm & 6.5\*150 mm & 8\*150 mm



611-6.5-25

6.5\*25 mm



615-1-100 & 615-2-125

PH 1 \* 100 mm & PH 2 \* 125 mm



615-2-25

PH 2 \* 25 mm



Screwdriver set, TORX®, 7 pieces, T6  
/E: Empty inlay



BE009/T6/7



- 1 BE009/T6/7
- 1 BE009/T6/E

BE-8906 & BE-8907 & BE-8908 & BE-8909 & BE-8910 & BE-8915 & BE-8920

T-6\*75 mm & T-7\*75 mm & T-8\*75 mm & T-9\*75 mm & T-10\*75 mm & T-15\*100 mm & T-20\*100 mm



Screwdriver set, TORX®, T8  
/E: Empty inlay



BE009/T8/5



- 1 BE009/T8/5
- 1 BE009/T8/E

BE-8925 & BE-8927 & BE-8930 & BE-8940 & BE-8945

T-25\*125 mm & T-27\*125 mm & T-30\*150 mm & T-40\*150 mm & T-45\*150 mm



800 Series screwdriver set, TORX®, T8  
/E: Empty inlay



800S/T8/9



- 1 800S/T8/9
- 1 800S/T8/E

818-6-75 & 818-7-75 & 818-8-75 & 818-9-75 & 818-10-75 & 818-15-100 & 818-20-100 & 818-25-125 & 818-30-150

T-6\*75 mm & T-7\*75 mm & T-8\*75 mm & T-9\*75 mm & T-10\*75 mm & T-15\*100 mm & T-20\*100 mm & T-25\*125 mm & T-30\*150 mm



Screwdriver set, hexagon ball point, T12  
/E: Empty inlay



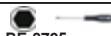
BE009/T12/8



- 1 BE009/T12/8
- 1 BE009/T12/E

BE-8702 & BE-8703 & BE-8704 & BE-8705 & BE-8706 & BE-8708 & BE-8710 & BE-8725

2\*100 mm, 3\*100 mm, 4\*100 mm, 5\*100 mm, 6\*125 mm, 8\*150 mm, 10\*150 mm, 2.5\*100 mm



Nut driver set, T10  
/E: Empty inlay



BE78/T10/8



- 1 BE78/T10/8
- 1 BE78/T10/E

BE-7845 & BE-7805 & BE-7855 & BE-7806 & BE-7807 & BE-7808 & BE-7809 & BE-7810

4.5 mm & 5 mm & 5.5 mm & 6 mm & 7 mm & 8 mm & 9 mm & 10 mm



900 Series T-handle hexagon screwdriver set, T18  
/E: Empty inlay



900T/T18/8



- 1 900T/T18/8
- 1 900T/T18/E

900T

2\*100 mm & 2.5\*100 mm & 3\*100 mm & 4\*150 mm & 5\*150 mm & 6\*200 mm & 8\*200 mm & 10\*200 mm



900 Series T-handle TORX® screwdriver set, T8  
/E: Empty inlay



901T/T18/7



- 1 901T/T18/7
- 1 901T/T18/E

901T

T-10\*100 mm, T-15\*150 mm, T-20\*150 mm, T-25\*150 mm, T-27\*150 mm,  
T-30\*200 mm, T-40\*200 mm

Plier set, chrome-plated, T8  
/E: Empty inlay

ergo®



EPCP/T8/4



- 1 EPCP/T8/4
- 1 EPCP-P/T8/E

2101GC

160 mm



2628GC

180 mm



2430GC

160 mm



8224C

250 mm



Plier set, Black finish, T8  
/E: Empty inlay

ergo®



EPP/T8/4



- 1 EPP/T8/4
- 1 EPCP-P/T8/E

2101G

160 mm



2628G

180 mm



2430G

160 mm



8224

250 mm



Circlip plier set, T8  
/E: Empty inlay

ergo®



2800-2900/T8/4



- 1 2800-2900/T8/4
- 1 2800-2900/T8/E

2800-180

19-60 mm



2890-180

19-60 mm



2900-180

19-60 mm



2990-180

19-60 mm



Resettable plier set, T8  
/E: Empty inlay



9938/T8/6



- 1 9938/T8/6
- 1 9938/T8/E

2928

160, 200, 250 mm



Socket drivers TORX® 1/2" set, T2  
/E: Empty inlay



7809T-2/T2/6



- 1 7809T-2/T2/6
- 1 7809T-2/T2/6/E

7809TORX

T-25, T-30, T-40, T-45, T-50, T-55



Socket drivers TORX® 1/2" , T3  
/E: Empty inlay



7809T/T3/9



- 1 7809T/T3/9
- 1 7809T/T3/E

7809TORX

T-20, T-25, T-27, T-30, T-40, T-45, T-50, T-55, T-60



Socket drivers Hexagon 1/2", T8  
/E: Empty inlay



7809M/T8/15



- 1 7809M/T8/15
- 1 7809M/T8/E

7809M

5,5L,6,6L,7,7L,8,8L,9,10,10L,12,14,17,19 mm



Engineering files 8", T8  
/E: Empty inlay

ergo®

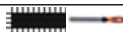


EF-1/T8/5



- 1 EF-1/T8/5
- 1 EF-1/T8/E

1-100-08-1-2



1-160-08-1-2



1-210-08-1-2



1-230-08-1-2



1-170-08-2-2



Punching mix set, T15  
/E: Empty inlay



MIX-H/T15/10



- 1 MIX-H/T15/10
- 1 MIX-H/T15/E

481-400



3625N-35



3734

2, 3, 4, 5, 6, 8 mm \* 150 mm



3735-5-120

5 mm



3740-175

175 mm



Adjustable and pipe wrenches, T10  
/E: Empty inlay



ADJP/T10/4



- 1 ADJP/T10/4
- 1 ADJP/T10/4/E

141

280 mm



8070

155\*20 mm



9031

218\*38 mm



9072P

257\*33 mm



Set of adjustable wrench + slip joint pliers, black finish,  
T6  
/E: Empty inlay

ergo®



8224-9072P/T6/2



- 1 8224-9072P/T6/2
- 1 8224-9072/T6/E

8224

250 mm



9072P

257x33 mm



Set of adjustable wrench + slip joint plier, chrome-plated, 2 pieces  
/E: Empty inlay

ergo®



8224C-9072C/T6/2



- 1 8224C-9072C/T6/2
- 1 8224-9072/T6/E

8224C

250 mm



9072C

257\*31 mm



Set of grip pliers + hammer, T8  
/E: Empty inlay



2951/T8/3



- 1 2951/T8/3
- 1 2951/T8/E

3625N-35



2951-180 & 2951-250





Measuring set + tester, T6  
/E: Empty inlay



MSR/T6/4



- 1 MSR/T6/4
- 1 MSR/T6/E

MTB-5-25

5 m \* 25 mm

1547

0.05-1.0

1150D

8045LVDE

0.5\*3.5\*42 mm

Set of riveter + revolving punch, T8  
/E: empty inlay



2681-2635/T8/2



- 1 2681-2635/T8/2
- 1 2681-2635/T8/E

2681

285 mm

2635

260 mm

Cutting tool set, T15  
/E: Empty inlay



CTTG/T15/5



- 1 CTTG/T15/5
- 1 CTTG/T15/E

SQZ15003

SQZ150003-SBL

10 pcs

319

300 mm

208

250 mm

FS-8

166 mm

Cutting tool set, T20  
/E: Empty inlay



MIX-C/T20/8



- 1 MIX-C/T20/8
- 1 MIX-C/T20/8/E

MTB-5-25

2444

2509

268

2744

5515T

208

319

Ratcheting screwdriver and bits, T6  
/E: Empty inlay



808050/T6/41



- 1 808050/T6/41
- 1 808050/T6/E

808050

1/4"

BE-9678

9 pcs

59/S31

31 pcs

Empty module, 1 compartment, T2



T2/E



- 1 T2/E

Empty module, 7 compartments, T3



T3/E

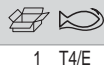


- 1 T3/E

Empty module, 3 compartments, T4



T4/E



1 T4/E

Empty module, 3 compartments, T6



T6/E



1 T6/E

Empty module, 2 compartments, T8



T8/E



1 T8/E

Empty module, 7 compartments, T10



T10/E



1 T10/E

Space adaptors for tool trolleys 1470K/75K/80K series  
THAB-horizontal, TVAB-vertical



TVAB

TVAB/THAB

mm x mm



519x9

1 THAB

444x21

1 TVAB

Assortment of 71 pcs of tools for tool trolleys  
8 tool modules for 3 drawers



FCT71



1 FCT71

SBS20/T4/9 - SBS20/T6/6 - EPP/T8/4 - 2951/T8/3

T2/E (2x) - TVAB - THAB

SBS20/T15/6 - CTTG/T15/5

TVAB - THAB

800S/T10/9 - SBS80/T20/29

TVAB - THAB

Assortment of 128 pcs of tools for tool trolleys  
11 tool modules for 4 drawers



FCT128



1 FCT128

SBS20/T4/9 - SBS20/T6/6 - SBS80/T20/29

TVAB - THAB

SBS20/T15/6 - MSR/T6/4 - 808050/T6/41

T3/E - TVAB - THAB

CTTG/T15/5 - MIX-H/T15/10

TVAB - THAB

600S/T10/9 - EF-1/T8/5 - EPP/T8/4

T2/E (2x) - TVAB - THAB

Assortment of 169 pcs of tools for tool trolleys  
14 tool modules for 5 drawers



FCT169



1 FCT169

SBS20/T15/6 - SBS50/T12/8 - 7809T/T3/9

TVAB - THAB

808050/T6/41 - 2800-2900/T8/4 - EPP/T8/4 -

T2/E (2x) - TVAB - THAB

CTTG/T15/5 - MIX-H/T15/10

TVAB - THAB

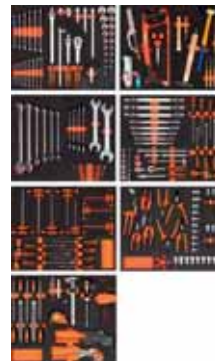
SBS20/T4/9-SBS20/T6/6-SBS80/T2

TVAB - THAB

900T/T18/8 - 800S/T8/9

T2/E - TVAB - THAB

Assortment of 238 pcs of tools for tool trolleys  
22 tool modules for 7 drawers



FCT238



1 FCT238

SBS20/T4/9 - SBS20/T6/6 - SBS80/T20/29

TVAB - THAB

CTTG/T15/5 - MIX-H/T15/10

TVAB - THAB

EF-1/T8/5 - 2681-2635/T8/2 - MSR/T6/4 - 808050/T6/41

T2/E - TVAB - THAB

900T/T18/8 - 800S/T8/9 - SBS60/T4/21

TVAB - THAB

SBS20/T15/6 - SBS10/T3/5 - SBS10/T12/6

TVAB - THAB

800S/T10/9 - SBS50/T12/8 - SBSF/T8/23

TVAB - THAB

2800-2900/T8/4 - EPP/T8/4 - 7809M/T8/15 - 7809T/T3/9

T3/E - TVAB - THAB



3 drawers & 2 trays roll cart



1470KC5

A	BxC		
1315/880	440x1025	1	1470KC5
1315/880	440x1025	1	1470KC5PC

1470KC5: Orange/ 1470KC5PC: Black

3 trays roll cart



1470KC3

axbxc	Kg		
759x432x1025	25,5	1	1470KC3

2 trays roll cart



1470KC2

axbxc	Kg		
759x432x1025	19	1	1470KC2

1 middle tray for 1470KC2 roll cart



1470KCTRAY

AxBxC	Kg		
757x428x77	3,25	1	1470KCTRAY

Mobile workbench



1450L-SP



1450L

1450L-SP/1450L

dimensions	kg capacity		
1100x660x83	2000	1	1450L-SP
1100x660x83	2000	1	1450L

Workbench, 1.2m



W120SL1

mm	
1200x800x525	1 W120SL1

Workbench, 1.2m



W120SL1-D1

mm	
1200x800x525	1 W120SL1-D1

Workbench, 1.20m



W120SL2-D2

mm	
1200x800x525	1 W120SL2-D2

Workbench, 1.8m



W180SL3

mm	
1800x800x600	1 W180SL3

Metal workbench with metal tool cabinet



98551

mm	kg	
1500x1700x880	145.3	1 985515000
1850x1700x800	189	1 985518500

Wall tool cabinet



985200000

mm	
1020x600x22	1 985200000

Workbench, 1.8m



W180SL3-D1

mm	
1800x800x525	1 W180SL3-D1

Workbench



98541

mm	
1500x800x88	1 985415000
1850x800x88	1 985418500

2 drawers and upper tray metallic case



1483K2RB

axbxc	kg	
523x257x247	9	1 1483K2RB

3 drawers and upper tray metallic case



1483K3RB

axbxc	kg	
523x257x300	10	1 1483K3RB

Workbench 1.8m



W180SL2-D2

mm	
1800x800x525	1 W180SL2-D2

Wall tool cabinet



98531

mm	
1500x900x17	1 985315000
1850x900x17	1 985318500

3 drawers and upper tray metallic case



1483KHD3RB

axbxc	kg	
523x257x300	11	1 1483KHD3RB

#### 4 drawers and upper tray metallic case



1483KHD4RB

axbxc	kg		
523x257x353	12	1	1483KHD4RB

#### Tool boxes



3140N/3141N/3149

mm			
470x200x150	1	3140N	
470x200x200	1	3141N	
530x200x200	1	3149	
530x205x200	1	3149-OR	

#### Metal tool box



9601

mm			
300x210x190	1	960100010	
400x210x190	1	960100020	
500x210x190	1	960100030	
400x210x250	1	960100050	
500x210x250	1	960100060	

#### Mason's tool box



9600

mm			
530x250x250	1	960000010	
685x330x330	1	960000030	
835x370x370	1	960000040	
1000x500x500	1	960000050	

#### Heavy duty rigid case with tool pallets



4750RCHD011

AxBxC	Kg		
474X415X214	6,5	1	4750RCHD011

#### Heavy duty rigid case



4750RCHD01

AxBxC	Kg		
474X415X214	4	1	4750RCHD01

Indestructible tool case with injected copolymer polypropylene structural resin

#### Removable padded lid panel for 4750RCHD01



4750RCHD01AC1

mm	kg		
425x305x45	0.5	1	4750RCHD01AC1

#### Removable padded bag for 4750RCHD01



4750RCHD01AC2

mm			
450x350x125		1	4750RCHD01AC2

#### Heavy duty rigid case on wheels



4750RCHDW01

AxBxC	Kg		
546x347x247	6	1	4750RCHDW01

60x20 wheels on ball bearing for easy transport

#### Removable lid panel for 4750RCHDW01



4750RCHDW01AC1

mm	kg		
500x230x45	0.5	1	4750RCHDW01AC1

Internal bag for 4750RCHDW01



4750RCHDW01AC2

axbxc	kg		
530x285x135	1.8	1	4750RCHDW01AC2

Heavy duty rigid case on wheels



4750RCHDW02

AxBxC	Kg		
627x475x292	10	1	4750RCHDW02

60x37mm wheels on ball bearings

TSA lock for 4750RCHD cases



4750RCHD-AC1

axbxc	g		
70x40x20	200	1	4750RCHD-AC1

Rigid case with elastic system



4750RC01

AxBxC	Kg		
430x340x156	3	1	4750RC01

Rigid cases



4750RC02

AxBxC	Kg		
465x352x215	5,2	1	4750RC02
465x352x215	5,5	1	4750RC021

4750RC02: With transparent pouches on one side

4750RC021: With rubber strips on one side

Rigid cases with wheels



4750RCW01

AxBxC	Kg		
465x352x255	6,3	1	4750RCW01
465x352x255	6,5	1	4750RCW011

4750RCW01 with transparent pouches.4750RCW011

With rubber strips on lid and bottom tool pallets

TOOL HOLDERS COLLECTION

Heavy duty belt set



4750-HDBS-1

mm		
400x140x1390	1	4750-HDBS-1

3 pouch belt set



4750-3PB

mm		
690x110x270	1	4750-3PB-1
690x110x270	1	4750-3PB-2

Junior 3 pouch belt set



4750-JU3PB

mm		
430x60x150	1	4750-JU3PB-1

Universal pouch



4750-UP

mm		
290x110x310	1	4750-UP-1
300x150x300	1	4750-UP-2

Pouch - 4 hooks



3875-MHP4

mm		
390x180x380	1	3875-MHP4

Hammer holder



4750-HHO

mm		
180x70x110	1	4750-HHO-2
180x75x110	1	4750-HHO-3

2 pocket fixings pouch




4750-2PP

mm		
240x120x290	1	4750-2PP-1

Pouch - 6 hooks




3875-MHP6

mm		
390x180x380	1	3875-MHP6

Measuring tape holder  
11 x 14 cm



4750-MTHO-1

mm		
110x60x140	1	4750-MTHO-1

Electrician's pouch



4750-EP

mm		
320x120x25	1	4750-EP-1

Drill holster



4750-DHO

mm		
330x40x210	1	4750-DHO-1
320x80x190	1	4750-DHO-2

Squeeze knife holder



4750-KNHO-1

mm		
90x30x160	1	4750-KNHO-1



Vertical mobile phone holder



4750-VMPH-1

mm



75x60x150

1 4750-VMPH-1

Horizontal small mobile phone holder



4750-HMPH-2

mm



125x60x40

1 4750-HMPH-2

Quick release belt



4750-QRLB

mm



1430x20x60

1 4750-QRLB-1

Horizontal mobile phone holder



4750-HMPH-1

mm



130x50x80

1 4750-HMPH-1

Heavy duty leather belt with cushion



4750-HDB-1

mm



510x50x50

1 4750-HDB-1

Leather belt black  
M=77cm-95cm and L=93cm-115cm



4750-LBBLM/LBBLL-1

cm



93-115

1 4750-LBBLL-1

77-95

1 4750-LBBLM-1

Small mobile phone holder-vertical



4750-VMPH-2

mm



60x30x120

1 4750-VMPH-2

Heavy duty leather belt



4750-HDLB

mm



1330x4x50

1 4750-HDLB-1

Leather brown belt  
M=77-95cm; L=93-115cm



4750-LBBRM/LBBRL-1

cm



93-115

1 4750-LBBRL-1

77-95

1 4750-LBBRM-1



Braces with clips



4750-BWC-1

mm

430x20x800



1 4750-BWC-1

Tool case



4750-TOCSAE-1

mm

260x510x290



1 4750-TOCSAE-1

Tool case small



4750-TOCS-1

mm

290x410x180



1 4750-TOCS-1

Knee pads



4750-KP

mm

220x50x170



1 4750-KP-1

Tool case with spirit level holder



4750-TOCSSL-1

mm

490x250x260



1 4750-TOCSSL-1

Synthetic leather tool case



4750-SLTC-1

mm

410x160x270



1 4750-SLTC-1

Front opening leather tool case



4750-FOLTC-1

mm

440x160x270



1 4750-FOLTC-1

Plumber's leather case



9508

mm

430x180x180



1 95080000

Tool case tube



4750-TOCST-1

mm

510x170x180



1 4750-TOCST-1

Roll cover for tools



4750-ROCO-1

mm



340x40x320

1 4750-ROCO-1

Backpack - small



3875-BP1

mm



400x300x100

10 3875-BP1

Backpack



4750-BAPA-2

mm



320x50x420

1 4750-BAPA-2

Tool bag



3100TB

mm



600x400x400

1 3100TB

Backpack - large



3875-BP2

mm



450x330x210

8 3875-BP2

Mono shoulder bag



4750-MOSBA-1

mm



390x40x490

1 4750-MOSBA-1

Tool bag



4750-TOBA-1

mm



270x350x540

1 4750-TOBA-1

Backpack



4750-BAPA-1

mm



350x150x420

1 4750-BAPA-1

Lunch bag



4750-LUBA-1

mm



300x330x180

1 4750-LUBA-1

## HANG BAGS

Hang bags 30 or 60 litres



3875-HB

mm		
ø 270 x 350	1	3875-HB30
ø 350 x 640	1	3875-HB60

## TOOL SETS WITHOUT CONTAINER

109 pce tool set



981001100

pcs		
	1	981001100

<b>6M</b>	
6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 x30x32 mm	

<b>2M</b>	
6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 mm	

<b>80C</b>	
8070C (6°), 8071C (8°), 8072C (10°)	

<b>7800DM</b>	
10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm	

<b>8166-1/2</b>	
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<b>8160-1/2 &amp; 8162-1/2</b>	
125 mm & 250 mm	

<b>8154-1/2</b>	
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<b>8150RN-1/2</b>	
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<b>1-110-10-2-2</b>	
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<b>1-100-08-2-2</b>	
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<b>1-210-08-2-2</b>	
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<b>1-230-08-1-2</b>	
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<b>1-170-08-2-2</b>	
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<b>225-PLUS</b>	
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<b>3809-300-24-2P</b>	
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<b>2101D-140IP</b>	
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<b>2101GC-200HL</b>	
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<b>2630GC</b>	
180mm, 200 mm	

<b>2430GC-160IP</b>	
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<b>2427GC-200IP</b>	
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<b>2421GC-160</b>	
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<b>2521GC-160</b>	
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<b>2900-180</b>	
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<b>2800-180</b>	
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<b>6224GC</b>	
250 mm	

<b>869102500</b>	
250 mm	

<b>2951-250</b>	
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<b>815-2-25</b>	
PH2	

<b>811-6.5-25</b>	
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<b>815</b>	
PH1, PH2	

<b>813</b>	
3x75, 4x100, 5.5x125	

<b>811</b>	
6.5x150, 8x175, 10x200, 12x250	

<b>813VDE-3-100</b>	
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<b>9710</b>	
6.5x125, 8x150	

<b>2535F1</b>	
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<b>1998M/10T</b>	
2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10 mm	

<b>9048-400</b>	
400mm	

<b>3735-4-120</b>	
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<b>3733-4</b>	
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<b>3734-4</b>	
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<b>9-469-00-0-0</b>	
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<b>479-16</b>	
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<b>3625W-35</b>	
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<b>3640-150-C</b>	
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<b>3645-150-C</b>	
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<b>SC127</b>	
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<b>1546</b>	
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<b>4544-10</b>	
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<b>814-100</b>	
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<b>1150-1/2H/P</b>	
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32 pcs universal tool set



TS001

	1	TS001

<b>2101D-160IP</b>	
160 mm	

<b>224D</b>	
240 mm	

<b>2630D-180</b>	
180 mm	

<b>2430D-160IP</b>	
160 mm	

<b>6M/8C</b>	
6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm	

<b>8071C</b>	
205 mm	

<b>483-20</b>	
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<b>541D-180</b>	
180 mm	

<b>2951-180</b>	
180 mm	

<b>813-3-75</b>	
3x75 mm	

<b>811-6.5-150</b>	
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<b>813-4-100</b>	
4x100 mm	

<b>811-10-200</b>	
10x200 mm	

<b>815-1-100</b>	
PH1	

<b>815-2-125</b>	
PH2	

<b>SC127</b>	
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<b>2820EF2</b>	
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<b>BE-9777</b>	
2.5 3 4 5 6 8 10 mm	

<b>MTG-3-16</b>	
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### 34 pce universal tool set



#### TS002



1 TS002

<b>2101GC-160IP</b> 160 mm	
<b>6224GC</b> 250 mm	
<b>2630GC-160IP</b> 160 mm	
<b>2900-180</b> 180 mm	
<b>2800-180</b> 180 mm	
<b>1998M/10T</b> 2 2.5 3 4 5 6 7 8 9 10 mm	
<b>8072C</b> 255 mm	
<b>2951-250</b> 250 mm	
<b>811-6.5-150</b> 6.5x150	
<b>811-10-200</b> 10x200	
<b>811-4-100</b> 4x100	
<b>815-1-100</b> PH1	
<b>815-2-125</b> PH2	
<b>SC127</b>	
<b>479-16</b>	
<b>2430GC-200IP</b> 200 mm	
<b>6M/8C</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm	
<b>1-110-08-2-2</b>	

### 113 pce universal tool set



#### TS003



1 TS003

<b>3736S/6</b>	
<b>3740-150</b>	
<b>111M/17T</b> 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 mm	
<b>2M/8T</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm	
<b>1997M/10T</b> 1.5 2 2.5 3 3.5 4 4.5 5 6 8 mm	
<b>9071C</b> 210 mm	
<b>7800SM</b> 8 10 12 13 14 15 16 17 19 22 24	
<b>8162-W</b> 250 mm	
<b>8168</b>	
<b>8154-1/2</b>	
<b>8150RN-1/2</b>	
<b>27M/8T</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm	
<b>2628D-180</b> 180 mm	
<b>2953-250</b>	
<b>2101GC-160IP</b> 160 mm	
<b>SC127</b>	
<b>2430GC-160IP</b>	
<b>191</b> 3x75 4x100 5.5x150 6.5x150	
<b>192</b> PH0 PH1 PH2	
<b>705.1/4.125</b> 1/4"	
<b>59S/31-1</b>	
<b>479-16</b>	
<b>MTG-3-16</b>	
<b>306</b>	

### 16 pce electrician tool set



#### TS100



1 TS100

<b>2101GC-160IP</b> 160 mm	
<b>2800N</b> 170 mm	
<b>6224GC</b>	
<b>2630GC-160IP</b> 160 mm	
<b>2421GC-160</b> 160 mm	
<b>2521GC-160</b> 160 mm	
<b>8071C</b> 205 mm	
<b>813VDE</b> 3x100 4x100 5.5x125 6.5x150	
<b>815VDE</b> PH1 PH2	
<b>SC127</b>	
<b>2820EF2</b>	
<b>MTG-3-16</b>	

### 19 pce insulated tool set



#### TS200



1 TS200

<b>6MV</b> 10, 11, 12, 13, 14, 17, 19 mm	
<b>BE-8610S BE-8620S</b> PH1 PH2	
<b>BE-8040S BE-8050S BE-8220S BE-8255S</b> 4x100 5.5x125 3x100 6.5x150	
<b>SC150NGV</b>	

2171V-160	
160 mm	
2223V-160	
160 mm	
2430V-160	
160 mm	
2678V-180	
180 mm	
2820VP	

















34 pce insulated tool set



TS201



1 TS201

2171V-160	
160 mm	
2678V-180	
180 mm	
2430V-160	
160 mm	
2223V-160	
160 mm	
6224V	
250 mm	
813VDE	
3x100 4x100 5.5x125 6.5x150	
815VDE	
PH1 PH2	
6MV/8T	
10 11 12 13 14 17 18 19 mm	
2820VP	
180 mm	
SC150NGV	
2820V13	
7x9x11x13	
8072VLT	
255 mm	
2820HSV1	
1999MV-5	
7800DMV	
8 10 12 13 17 19 21 22 mm	
2820VG10	









130 pce eolic tool set



TS300



1 TS300

1RM	
8 9 10 11 12 13 14 15 16 17 18 19 22 24 mm	
111M	
13 17 19 mm	
9072C	
257 mm	
2535F1	
535 mm	
8224CIP	
3419B	
2101GC-180IP	
180 mm	
2628GC-160IP	
160 mm	

TOOL SETS WITH CONTAINER

Workbench with 109 pcs toolset 981001100



985011100

mm	kg	
1850x1700x880	223	1 985011100

Cabinet  
Includes toolset 109 pcs 981001100



985001100

mm	kg	
1850x900x170	71	1 985001100

2 door tool cabinet with hooks  
comes with 109pcs tool set 981001100



985101100

mm	kg	
1020x600x220	190	1 985101100

32 pce tool set within a leather bag



982000320

		1 982000320

TS001

4750-FOLTC-1  
440x160x270



32 pce tool set in a rigid case



983000320



1 983000320

TS001

4750RC01

430x340x156

32 pce tool set in a rigid case



983100320



1 983100320

TS001

4750RC02

465x352x215

32 pce tool set in a rigid case on wheels



984010320



1 984010320

TS001

4750RCW01

465x352x255

34 pce tool set in a leather bag



982000350



1 982000350

TS002

4750-FOLTC-1

440x160x270

Tool kit with 17 tools



9852



1 9852

130 mm

2421G-160

160 mm

2101G-160

160 mm

2628G-180

180 mm

BE-8210 , BE-8040

0.4x2.5 , 0.8x4.0 mm

BE-8150 , BE-8155

1.0x5.5 , 1.2x6.5 mm

BE-8600 , BE-8610 , BE-8620

PH 0 , PH 1 , PH 2

8045 LVDE

150-250V

TM3M

3 m

K-AP-1

Service kit in zipper wallet, pliers, adjustable wrench, screwdrivers

ergo®



9845



1 9845

2430G-160

160 mm

2101G-160

160 mm

2628G-160

160 mm

9070 P

155 mm

BE-8020 , BE-8040

0.5x3.0 , 0.8x4.0 mm

BE-8150

1.0x5.5 mm

BE-8610 , BE-8620

PH 1 , PH 2

Tool kits, pliers, screwdrivers, tweezers, adjustable wrench



9841



1 9841

7190

109 mm

7890

132 mm

TL AA-SA-SL

130 mm

BE-8020 , BE-8040

0.5x3.0 , 0.8x4.0 mm

BE-8610

PH 1

8070

155 mm



High quality service kit. pliers, screwdrivers, tweezers, adjustable wrench



9848



1 9848

<b>8160</b> 125 mm	
<b>7890</b> 132 mm	
<b>8070</b> 155 mm	
<b>BE-8020 , BE-8040</b> 0.5x3.0 , 0.8x4.0 mm	
<b>BE-8610</b> PH 1	
<b>TL AA-SA-SL</b> 130 mm	

Tool kit, 66pcs, UK plug



9850

mm	
1 9850	

<b>8070</b> 155 mm	
<b>9072 P</b> 254 mm	
<b>BE-9770</b>	
<b>1933M/6T</b> 100 mm	
<b>7291</b> 108 mm	

<b>7891</b> 132	
<b>8160</b> 125 mm	
<b>8140</b> 110 mm	
<b>2628G-180</b> 180 mm	
<b>2101G-160</b> 160 mm	
<b>2430G-160</b> 160 mm	
<b>2223D-150</b> 150 mm	
<b>2800N</b> 170 mm	
<b>BE-8220 , BE-8040</b> 0.5x3.0 , 0.8x4.0 mm	
<b>BE-8150 , BE-8155</b> 1.0x5.5 , 1.2x6.5 mm	
<b>BE-8800, BE-8810, BE-8820</b> PZ 0, PZ 1, PZ 2	
<b>2047PR-1-2</b> PH 1 2	
<b>700-701-703</b> 1.5 2.5 3.5 PH0 PH1 T6 T8	
<b>8045LVDE</b> 135 mm	
<b>5552</b> 205 mm	
<b>2-470-14-2-0</b> 140 mm	
<b>268</b> 150 mm	
<b>208</b> 250 mm	
<b>1-100 1-210 1-230</b> 200 mm	
<b>TL 475-SA</b> 140 mm	
<b>TL 648-SA</b> 150 mm	
<b>5515L</b> 175 mm	
<b>2509</b> 525 mm	
<b>479-08</b> 305 mm	
<b>2744</b> 190 mm	
<b>1162N-1/2</b> 3m 118"	
<b>326000300 UK</b> 25w	
<b>328000000</b>	
<b>2816</b>	

16 pce electrician tool set within a leather bag



982000170



1 982000170

<b>TS100</b>	
<b>4750-FOLTC-1</b> 440x160x270	

Insulated tool set within a leather bag, 19 pcs



3045V-2



1 3045V-2

<b>TS200</b>	
<b>4750-VDEC</b>	





## Protective Equipment

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## GLOVES

General purpose glove



GLO08

Size	
10	6 GL008-10
8	6 GL008-8

Power tool glove



GLO10

Size	
10	6 GLO10-10
8	6 GLO10-8

Carpenter's glove



GLO12

Size	
10	6 GLO12-10
8	6 GLO12-8

## TOOL LANYARDS

Carabiner lanyard (3daN)



3875-LY1



8 3875-LY1

Fixed loop lanyard (3daN)



3875-LY2



8 3875-LY2

Exchangeable loop lanyard (1daN)



3875-LY3



8 3875-LY3

Retractable lanyard (0,9daN)



3875-RL1



1 3875-RL1

Wrist lanyard (1daN)



3875-WL1



8 3875-WL1

Lanyard connector for 3875-LY3 or 3875-WL1



3875-QL1



8 3875-QL1

Lanyard connector for 3875-RL1



3875-QRL1



1 3875-QRL1

## KEY HOLDER

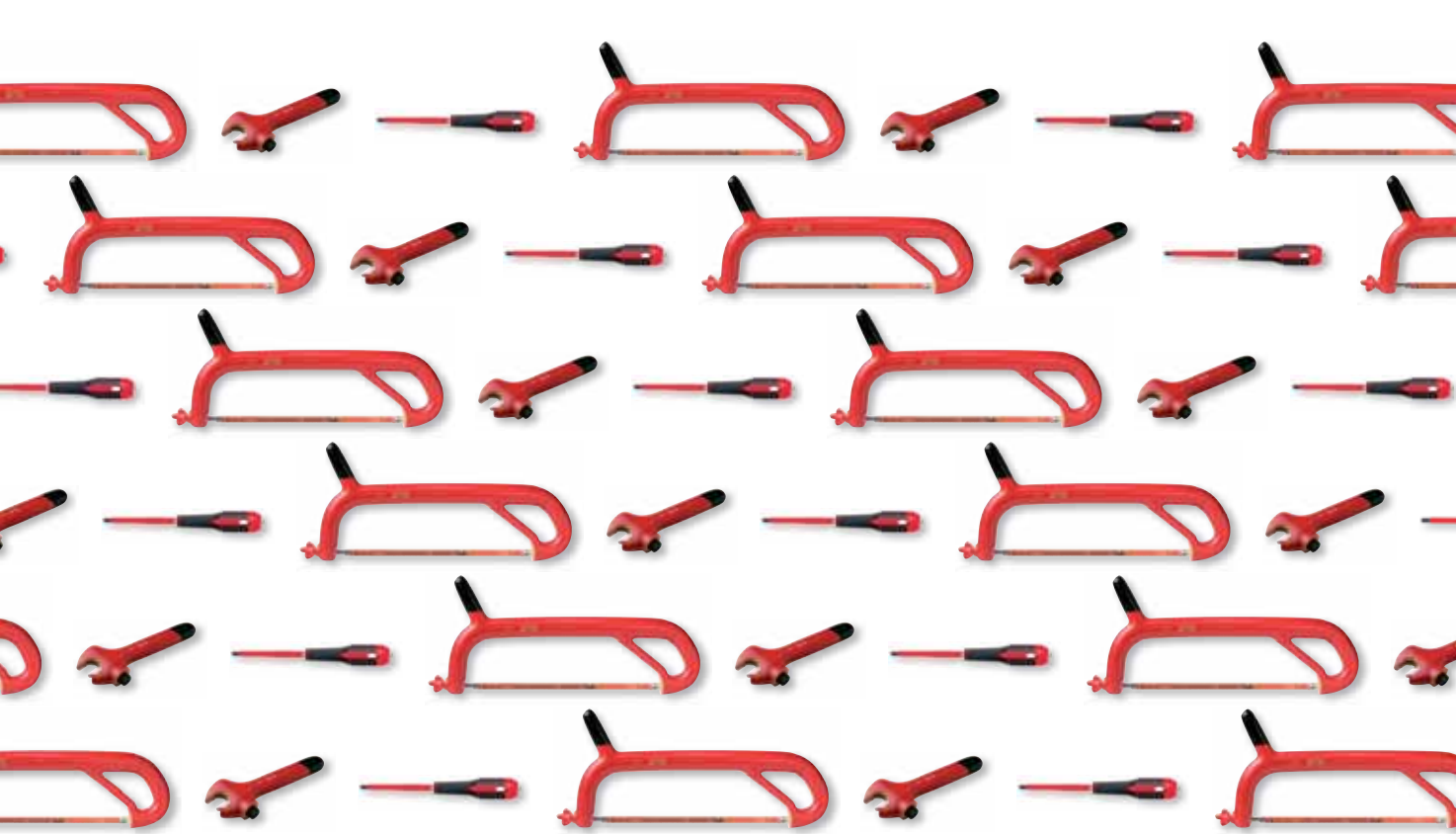
Key ring holder



439000000



1 439000000



## Insulated Tools



## ERGO™ SCREWDRIVERS

Insulated ERGO™ slotted screwdrivers



BE-8010S - BE-8065S

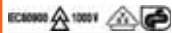


mm		
0.4*2.5*75	5	BE-8010S
0.5*3.0*100	5	BE-8220S
0.6*3.5*100	5	BE-8230S
0.8*4*100	5	BE-8040S
1.0*5.5*125	5	BE-8050S
1.2*6.5*150	5	BE-8255S
1.2*8.0*175	5	BE-8065S
1.6*10*200	5	BE-8258S
2.0*12*200	5	BE-8259S

Insulated ERGO™ Phillips screwdrivers



BE-8600S - BE-8640S

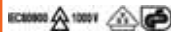


PH-mm		
0-75	5	BE-8600S
1-80	5	BE-8610S
1-150	5	BE-8612S
2-100	5	BE-8620S
2-100	5	BE-8621S
2-175	5	BE-8622S
3-150	5	BE-8630S
4-200	5	BE-8640S

Insulated ERGO™ Pozidriv screwdrivers



BE-8800S - BE-8840S



PZ-mm		
0-75	5	BE-8800S
1-80	5	BE-8810S
1-150	5	BE-8812S
2-100	5	BE-8820S
2-100	5	BE-8821S
2-175	5	BE-8822S
3-150	5	BE-8830S
4-200	5	BE-8840S

Insulated ERGO™ Hexagon socket-head screwdrivers



BE-8725S - BE-8708S



Hex-mm		
2.5-100	5	BE-8725S
3-125	5	BE-8703S
4-75	5	BE-8704S
5-75	5	BE-8705S
6-150	5	BE-8706S
8-200	5	BE-8708S

Insulated ERGO™ TORX® head screwdrivers



BE-8910S - BE-8930S



T-mm		
5-75	5	BE-8905S
15-125	5	BE-8915S
20-125	5	BE-8920S
25-150	5	BE-8925S
30-175	5	BE-8930S

Insulated ERGO™ combi tips screwdrivers  
For slotted 5 & 6, and Phillips 1 & 2



BE-8510S - BE-8520S



Tip 1	Tip 2	
5 mm	PH-1	5 BE-8510S
6 mm	PH-2	5 BE-8520S

Insulated ERGO™ combi tips screwdrivers  
Slotted 5 & 6 and Pozidriv 1 & 2



BE-8710S - BE-8720S



mm-PZ		
5-1	5	BE-8710S
6-2	5	BE-8720S

Insulated ERGO™ screwdrivers set, 5 pcs  
Slotted 0.5-0.8-1 and Phillips 1 & 2



BE-9881S



	1	BE-9881S

<b>BE-8220S, BE-8040S, BE-8050S</b>	
0.5x3x100, 0.8x4x100, 1x5.5x125 mm	
<b>BE-8610S, BE-8620S</b>	
PH1x80, PH2x100	

Insulated ERGO™ screwdrivers set, 5pcs  
Slotted 0.5-0.8-1 and Pozidriv 1 & 2



BE-9882S



	1	BE-9882S

<b>BE-8220S, BE-8040S, BE-8050S</b>	
0.5x3x100, 0.8x4x100, 1x5.5x125	
<b>BE-8810S, BE-8820S</b>	
PZ1x80, PZ2x100	



Insulated ERGO™ screwdrivers set, 7pcs  
For slotted and Phillips head screws

ergo®



BE-9887S



1 BE-9887S

806-1-1

0.6x3x65



BE-8010S, BE-8230S, BE-8040S, BE-8050S

0.4x2.5x75, 0.6x3.5x100, 0.8x4.0x100, 1.0x5.5x125



BE-8610S, BE-8621S



PH1x80, PH2x100

Insulated ERGO™ screwdrivers set, 7 pcs  
Slotted 0.4-0.5-0.8-1 and Pozidriv 0 & 2 & 3

ergo®



BE-9888S



1 BE-9888S

BE-8010S, BE-8220S, BE-8040S, BE-8050S

0.4x2.5x75, 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125

BE-8800S, BE-8800S, BE-8830S

PZ0x75, PZ2x100, PZ3x150

Insulated ERGO™ screwdrivers set, 7pcs  
For slotted and Pozidriv head screws

ergo®



BE-9889S



1 BE-9889S

806-1-1

0.6x3x65



BE-8010S, BE-8230S, BE-8040S, BE-8050S

0.4x2.5x75, 0.6x3.5x100, 0.8x4.0x100, 1.0x5.5x125



BE-8810S, BE-8821S



PZ1x80, PZ2x100

Insulated ERGO™ combi tips screwdrivers set for use  
in electric racks and terminals  
Slotted/PH and slotted/PZ

ergo®



BE-9885S



1 BE-9885S

806-1-1

0.6x3x65



BE-8510S, BE8520S

5/PH1, 6/PH2



BE-8710S, BE-8720S



5/PZ1, 6/PZ2

Insulated ERGO™ Combi tips screwdrivers set, 2pcs,  
for use in electric racks and terminals  
For Combi slotted/Pozidriv head screws

ergo®



BE-9890S

pcs



2

1 BE-9890S

BE-8710S, BE-8720S

5/PZ1, 6/PZ2



## TEKNO+ SCREWDRIVERS

Insulated slotted tip screwdriver



O33



mm



0,5x3,0x100	10	033.030.100
0,6x3,5x100	10	033.035.100
0,8x4,0x100	10	033.040.100
1,0x5,5x125	10	033.055.125
1,2x6,5x175	10	033.065.150
1,2x8,0x175	10	033.080.175
1,6x10x200	10	033.100.200

Insulated Phillips tip screwdriver



O34



PH-mm



0-100	10	034.000.100
1-150	10	034.001.150
2-175	10	034.002.175
3-200	10	034.003.200

Insulated Pozidriv tip screwdriver



035



PZ-mm			
0x100	10	035.000.100	
1x150	10	035.001.150	
2x175	10	035.002.175	
3x200	10	035.003.200	

Insulated nut driver



036



Hex.			
5.5	5	036.055.125	
6.0	5	036.060.125	
7.0	5	036.070.125	
8.0	5	036.080.125	
10.0	5	036.100.125	
13.0	5	036.130.125	

Insulated screwdriver set, 7 pcs



202.030



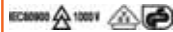
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<b>033</b>	Slotted 3*100, 4*100, 5.5*125, 6.5*150		
<b>034</b>	PH0*100, PH1*150, PH2*175		

Insulated screwdriver set, 7 pcs



202.031



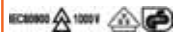
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<b>033</b>	3*100, 4*100, 5.5*125, 6.5*150		
<b>035</b>	PZ0*100, PZ1*150, PZ2*175		

Insulated screwdrivers set 6 pcs+ tester



202.035



		1	202.035
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<b>033</b>	3*100, 4*100, 5.5*125		
<b>034</b>	PH0*100, PH1*150, PH2*175		
<b>806-1-2</b>			

Insulated screwdrivers set 7 pcs  
In zip case



202.033



		1	202.033
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<b>033</b>	3*100, 4*100, 5.5*125, 6.5*150		
<b>034</b>	PH0*100, PH1*150, PH2*175		

Insulated screwdrivers set 7 pcs  
In zip case



202.032



		1	202.032
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<b>033</b>	3*100, 4*100, 5.5*125, 6.5*150		
<b>035</b>	PZ0*100, PZ1*150, PZ2*175		

## 800 SERIES SCREWDRIVERS

### Insulated slotted screwdrivers



#### 813VDE



mm		
0.4*2.5*100	10	813VDE-2.5-100
0.5*3.0*100	10	813VDE-3-100
0.6*3.5*100	10	813VDE-3,5-100
0.8*4.0*100	10	813VDE-4-100
1.0*5.5*125	10	813VDE-5,5-125
1.2*8.0*175	10	813VDE-6,5-150
1.2*8.0*175	10	813VDE-8-175
1.6*10*200	10	813VDE-10-200
2.0*12*200	10	813VDE-12-200
0.4*2.5*100	1	SB813VDE-2.5-100
0.5*3.0*100	1	SB813VDE-3-100
0.6*3.5*100	1	SB813VDE-3,5-100
0.8*4.0*100	1	SB813VDE-4-100
1.0*5.5*125	1	SB813VDE-5,5-125
1.2*6.5*150	1	SB813VDE-6,5-150
1.2*8.0*175	1	SB813VDE-8-175

### Insulated Phillips screwdrivers



#### 815VDE



PH-mm		
0-100	10	815VDE-0-100
1-150	10	815VDE-1-150
2-175	10	815VDE-2-175
3-200	10	815VDE-3-200
4-200	10	815VDE-4-200
0-100	1	SB815VDE-0-100
1-150	1	SB815VDE-1-150
2-175	1	SB815VDE-2-175
3-200	1	SB815VDE-3-200

### Insulated Pozidriv screwdrivers



#### 816VDE



PZ-mm		
0-100	10	816VDE-0-100
1-150	10	816VDE-1-150
2-175	10	816VDE-2-175
3-200	10	816VDE-3-200
0-100	1	SB816VDE-0-100
1-150	1	SB816VDE-1-150
2-175	1	SB816VDE-2-175

### Insulated nut driver



#### 817V

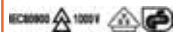


mm		
6	5	817V-6
7	5	817V-7
8	5	817V-8
10	5	817V-10
13	5	817V-13

### Insulated screwdrivers set Slotted 0.5-0.8-1 and Phillips 1 & 2



#### 822VDE-5



mm		
1 822VDE-5		

<b>813VDE</b>		
3-100 4-100 5.5-125 mm		
<b>815VDE</b>		
PH1X150 PH2X175		

### Insulated screwdriver set 800-series Slotted 3.0-4.0-5.5 and Pozidriv 1 & 2



#### 820VDE-5



mm		
1 820VDE-5		

<b>813VDE</b>		
3.5-100 4-100 6.5-150 mm		
<b>816VDE</b>		
PZ1X150 PZ2X175		

## PREMIUM SCREWDRIVERS

### Insulated slotted screwdriver



#### 196



mm		
0,4x2,5x100	10	196.025.100
0,5x3,0x100	10	196.030.100
0,6x3,5x100	10	196.035.100
0,8x4,0x100	10	196.040.100
1,0x5,5x125	10	196.055.125
1,2x6,5x150	10	196.065.150
1,2x8,0x175	10	196.080.175
1,6x10x200	10	196.100.200
2,0x12x200	10	196.120.200

Insulated Phillips screwdriver



197



PH-mm		
0-100	10	197.000.100
1-150	10	197.001.150
2-175	10	197.002.175
3-200	10	197.003.200
4-200	10	197.004.200



Insulated Pozidriv screwdriver



142



PZ-mm		
0-100	10	142.000.100
1-150	10	142.001.150
2-175	10	142.002.175
3-200	10	142.003.200



Insulated hexagonal tubular nut driver



199



mm		
5,0x125	5	199.050.125
5,5x125	5	199.055.125
6,0x125	5	199.060.125
7,0x125	5	199.070.125
8,0x125	5	199.080.125
9,0x125	5	199.090.125
10x125	5	199.100.125
11x125	5	199.110.125
12x125	5	199.120.125
13x125	5	199.130.125



Insulated screwdriver set, 7 pcs



219.600



	1	219.600



<b>196</b>	3*100, 4*100, 5.5*125, 6.5*150	
<b>197</b>	PH0*100, PH1*150, PH2*175	

Insulated screwdriver set, 7 pcs



219.605



	1	219.605



<b>196</b>	3*100, 4*100, 5.5*125, 6.5*150	
<b>142</b>	PZ0*100, PZ1*150, PZ2*175	

Insulated screwdriver set, 7 pcs



219.601



	1	219.601

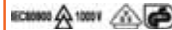


<b>196</b>	3*100, 4*100, 5.5*125	
<b>197</b>	PH0*100, PH1*150, PH2*175	
<b>806-1-1</b>		

Insulated screwdriver set, 7 pcs  
In zip case



219.602



Pcs.		
	1	219.602



<b>196</b>	3*100, 4*100, 5.5*125, 6.5*150	
<b>142</b>	PZ0*100, PZ1*150, PZ2*175	

## 600 SERIES SCREWDRIVERS

Insulated slotted screwdrivers



623

IEC60900 ▲ 1000V

mm		
0.5*3.0*100	10	623-3-100
0.6*3.5*100	10	623-3.5-100
0.8*4.0*100	10	623-4-100
1.0*5.5*125	10	623-5.5-125
1.2*6.5*150	10	623-6.5-150



## RATCHETING SCREWDRIVERS

1000V Ratcheting screwdriver to be used with interchangeable blades



808060

IEC60900 ▲ 1000V ▲

mm	
36x122	1 808060



Insulated interchangeable blades with reduced diameter for Pozidriv head screws, 100mm



8810SL-2P - 8820SL-2P

PZ	
1	1 8810SL-2P
2	1 8820SL-2P

Insulated Phillips screwdrivers



625-PH

IEC60900 ▲ 1000V

PH		
0	10	625-0-100
1	10	625-1-150
2	10	625-2-175



Insulated interchangeable blades with reduced diameter for slotted head screws, 100mm



8010SL-2P - 8050SL-2P

IEC60900 ▲ 1000V ▲

mm		
0.4x2.5	1	8010SL-2P
0.5x3.0	1	8220SL-2P
0.8x4.0	1	8040SL-2P
1.0x5.5	1	8050SL-2P



Insulated interchangeable blades with reduced diameter for slotted/Phillips (Combi) head screws, 100



8510SL-2P - 8520SL-2P

mm/PH	
5.0/PH1	1 8510SL-2P
6.0/PH2	1 8520SL-2P



Insulated screwdriver set, 6 pcs  
Slotted 3, 4, 5.5, 6.5 and PH 1, 2



620-6

IEC60900 ▲ 1000V

1	620-6



Insulated interchangeable blades with reduced diameter for Phillips head screws, 100mm



8610SL-2P - 8620SL-2P

IEC60900 ▲ 1000V ▲

PH		
1	1	8610SL-2P
2	1	8620SL-2P



Insulated interchangeable blades with reduced diameter for slotted/Pozidriv (Combi) head screws, 100



8710SL-2P - 8720SL-2P

mm/PZ	
5.0/PZ1	1 8710SL-2P
6.0/PZ2	1 8720SL-2P



623	1	623
3*100, 4*100, 5.5*125, 6.5*150		
625	1	625
PH-1, PH-2		



Insulated interchangeable blades with reduced diameter for TORX® head screws, 100mm



8910SL-2P - 8930SL-2P

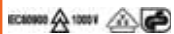


T			
10	1	8910SL-2P	
15	1	8915SL-2P	
20	1	8920SL-2P	
25	1	8925SL-2P	
30	1	8930SL-2P	

1000V Ratcheting screwdriver with interchangeable blades set, 6pcs



808061



mm			
5	5	808061	

8010SL, 8220SL, 8040SL, 8050SL

0.4x2.5, 0.5x3.0, 0.8x4.0, 1.0x5.5 x100

8610SL, 8620SL

PH1x100, PH2x100

808060

1000V Ratcheting screwdriver with interchangeable blades set, 6pcs



808062



mm			
36x122	5	808062	

8010SL, 8220SL, 8040SL, 8050SL

0.4x2.5, 0.5x3.0, 0.8x4.0, 1.0x5.5 x100

8810SL, 8820SL

PZ1x100, PZ2x100

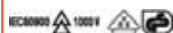
808060

## PLIERS

Insulated side cutting pliers



2171V



mm			
160	2	2171V-160	
180	2	2171V-180	

Insulated heavy duty side cutting pliers For piano wire



2191V



mm	cut cap mm		
180	2.0	2	2191V-180
200	2.5	2	2191V-200

Side cutting pliers with progressive edges, insulated handles For piano wire and softer materials like plastic or copper



2101S



mm			
140	3	2101S-140	
160	3	2101S-160	
180	3	2101S-180	
200	3	2101S-200	

Insulated end cutting pliers



527V



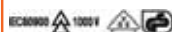
mm	cut cap mm		
160	1.6	2	527V-160
200	2.0	2	527V-200



Insulated combination pliers



2678V



mm	
160	2 2678V-160
180	2 2678V-180
200	2 2678V-200

Snipe nose pliers, insulated handles  
For hard steel wire



2430S



mm	
160	3 2430 S-160
200	3 2430 S-200

Insulated flat nose pliers



2421V



mm	
160	2 2421V-160

Combination pliers, insulated handles



2628S



mm	
160	3 2628 S-160
180	3 2628 S-180
200	3 2628 S-200

Insulated snipe nose plier 45°



2427V



mm	
200	2 2427V-200

Insulated round nose pliers



2521V

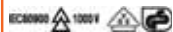


mm	
160	2 2521V-160

Snipe nose pliers, insulated handles  
For hard steel wire



2430V



mm	
160	2 2430V-160
200	2 2430V-200

Insulated snipe nose pliers, bent tip



2427S



mm	
200	3 2427 S-200

Insulated wire stripping pliers  
For copper wire and cable



2223V



Cable diam	mm	
0.5-5	167	2 2223V-160

Insulated wire stripping pliers  
For copper wire and cable



2223S



Cable Ø	mm		
0.5-5	167	5	2223 S-150

Cable cutter for copper and aluminium wire  
For copper and aluminium wire



2260S



mm	Cu/Al mm		
210	18	2	2260 S-210

Insulated bolt cutter



2820VBC



mm		
630	1	2820VBC

Insulated ratchet action cable cutter



2806

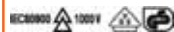


mm	Ø Cu/Al		
255	35/35 mm	1	2806-35V
340	52/52 mm	1	2806-52V

Insulated cable cutter  
For copper and aluminium



2260V



mm		
210	2	2260V-210

Insulated groove joint plier



6224V

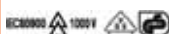


mm		
250	2	6224V

Insulated cable cutter



2250V



mm	max opening		
170	15 mm	2	2250V-170
230	22 mm	2	2250V-230

Insulated cable cutter  
For aluminium and copper



2520S



mm		
552	1	2520 S
	1	2520-SH

Insulated box joint pliers



2619V



mm		
250	2	2619V-250
300	2	2619V-300

## WRENCHES

### Insulated adjustable wrench



#### 8070VL-8073VL

IEC60900  $\Delta$  1000V

mm	inch		
150	20	1	8070VL
200	27	1	8071VL
250	35	1	8072VL
300	39	1	8073VL

### Insulated adjustable wrench



#### 8070V - 8074V

IEC60900  $\Delta$  1000V

mm		
150	2	8070V
200	2	8071V
250	2	8072V
300	2	8073V
375	2	8074V

### Insulated adjustable wrench



#### 8071VLT - 8073VLT

IEC60900  $\Delta$  1000V

mm		
200	1	8071VLT
250	1	8072VLT
300	1	8073VLT

### Insulated open end wrench



#### 6MV

IEC60900  $\Delta$  1000V

mm		
6	5	6MV-6
7	5	6MV-7
8	5	6MV-8
9	5	6MV-9
10	5	6MV-10
11	5	6MV-11
12	5	6MV-12
13	5	6MV-13
14	5	6MV-14
15	5	6MV-15
16	5	6MV-16
17	3	6MV-17
18	3	6MV-18
19	3	6MV-19
20	3	6MV-20
21	3	6MV-21
22	3	6MV-22
23	3	6MV-23
24	3	6MV-24
27	2	6MV-27
30	2	6MV-30
32	2	6MV-32

### Insulated open end wrench set 8 pcs:10-11-12-13-14-17-18-19 mm



#### 6MV/

IEC60900  $\Delta$  1000V

mm		
10-19	1	6MV/8T
10-22	1	6MV/10T

#### 6MV/8T

10 11 12 13 14 17 18 19 mm

#### 6MV/10T

10 11 12 13 14 16 17 18 19 22

### Insulated offset ring spanner



#### 2MV

IEC60900  $\Delta$  1000V

mm		
6	5	2MV-6
7	5	2MV-7
8	5	2MV-8
9	5	2MV-9
10	5	2MV-10
11	5	2MV-11
12	5	2MV-12
13	5	2MV-13
14	5	2MV-14
15	5	2MV-15
16	5	2MV-16
17	3	2MV-17
18	3	2MV-18
19	3	2MV-19
21	3	2MV-21
22	3	2MV-22
23	3	2MV-23
24	3	2MV-24

### Insulated T-handle socket wrench



#### 28MV

IEC60900  $\Delta$  1000V

mm		
8	2	28MV-8
9	2	28MV-9
10	2	28MV-10
11	2	28MV-11
12	2	28MV-12
13	2	28MV-13
14	2	28MV-14
15	2	28MV-15
16	2	28MV-16
17	2	28MV-17
18	2	28MV-18
19	2	28MV-19
20	2	28MV-20
21	2	28MV-21
22	2	28MV-22

### Insulated cross wrench



2820V

IEC60900  $\Delta$  1000V

mm	
7-13	1 2820V13
8-17	1 2820V17

### Insulated hexagon key wrench



1999MV

IEC60900  $\Delta$  1000V

mm	
3	5 1999MV-3
4	5 1999MV-4
5	5 1999MV-5
6	5 1999MV-6
7	5 1999MV-7
8	5 1999MV-8
9	5 1999MV-9
10	3 1999MV-10
12	3 1999MV-12

## SOCKETS & ACCESSORIES

### Insulated sockets, 1/2"



7800DMV

IEC60900  $\Delta$  1000V

mm	
8	10 7800DMV-8
10	10 7800DMV-10
11	10 7800DMV-11

mm	
12	10 7800DMV-12
13	10 7800DMV-13
14	10 7800DMV-14
15	10 7800DMV-15
16	10 7800DMV-16
17	10 7800DMV-17
18	10 7800DMV-18
19	10 7800DMV-19
20	10 7800DMV-20
21	10 7800DMV-21
22	10 7800DMV-22
24	5 7800DMV-24
27	5 7800DMV-27
30	5 7800DMV-30
32	5 7800DMV-32

### Insulated ratchet, 1/2"



8150-1/2V

IEC60900  $\Delta$  1000V

mm	
270	1 8150-1/2V

### Insulated T handle, 1/2"



8154-1/2V

IEC60900  $\Delta$  1000V

mm	
200X190	1 8154-1/2V

### Insulated extensions, 1/2"



8160-1/2V - 8162-1/2V

IEC60900  $\Delta$  1000V

mm	
125	1 8160-1/2V
250	1 8162-1/2V

### Insulated tool set 11 pcs



7811DMV

IEC60900  $\Delta$  1000V

mm	
10-22	1 7811DMV

7800DMV

10,11,13,17,19,20,22 mm

8150-1/2V

270 mm

8154-1/2V

200 mm

8160-1/2V

125 mm

813VDE-5.5-125

1.0x5.5x125

## OTHER INSULATED TOOLS

### Insulated electrician scissors



SC127V

IEC60900  $\Delta$  1000V

mm	
130	5 SC127V

Insulated electrician scissors



SC150NGV

IEC60900  $\Delta$  1000V

mm	 
150	5 SC150NGV

Insulated knife straight



2820VP

IEC60900  $\Delta$  1000V  

mm	 
180	2 2820VP

Cable knife with plastic protective cap



2820VDE

IEC60900  $\Delta$  1000V

mm	 
180	10 2820VDE

Insulated hacksaw



2820HSV1


IEC60900  $\Delta$  1000V

mm	 
300	1 2820HSV1

Insulated knife curved



2820VPC

IEC60900  $\Delta$  1000V  

mm	 
180	2 2820VPC

Insulated tweezers



2820VTEE

IEC60900  $\Delta$  1000V

mm	 
150	1 2820VTEE

Insulated hacksaw with screen handguard



2820HSV2

IEC60900  $\Delta$  1000V

mm	 
300	1 2820HSV2

Insulated knife curved with guide



2820VHELP

IEC60900  $\Delta$  1000V

mm	 
180	1 2820VHELP

PROTECTIVE EQUIPMENT

Insulated fuse puller

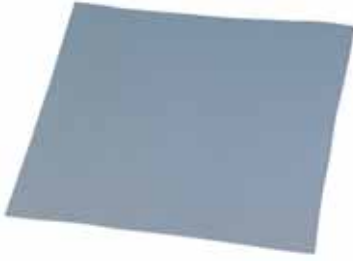


2820VFP

IEC60900  $\Delta$  1000V

	 
	1 2820VFP

Insulated carpet



2820VM

mm		
1000x1000	1	2820VM

Insulated gloves




2820VG

IEC60900 		
Testvoltage		
500	1	2820VG05
1000	1	2820VG10

Cotton gloves to wear under insulated gloves  
One size



2820VCOT

		
	1	2820VCOT

THIS ITEM IS NOT INSULATED AND HAS TO BE USED WITH INSULATED GLOVES






**TOOLS SETS**

Electrician's tool set, insulated tools



3045/1VDE

IEC60900 		
		
	1	3045/1VDE






BE-8220S, BE-8230S, BE-8240S, BE-8250S, BE-8255S, BE-8065S	
0.5x3x100, 0.6x3.5x100, 0.8x4x100, 1.0x5.5x125, 1.2x6.5x150, 1.2x8x175mm	
BE-8620S	
PH-2	
2665VDE	
180 mm	
2457VDE	
160 mm	
2674NVDE	
160 mm	

Insulated tool set, 10 pcs



3045V-1

IEC60900 		
		
	1	3045V-1










2171V	
160 mm	
2678V	
180 mm	
2223V	
BE-8220S, BE-8040S, BE-8050S	
3x100 4x100 5,5x125	
BE-8610S, BE-8620S	
PH1x80 PH2x100	
2820VP	
SC127V	

Insulated tools set  
19 pcs

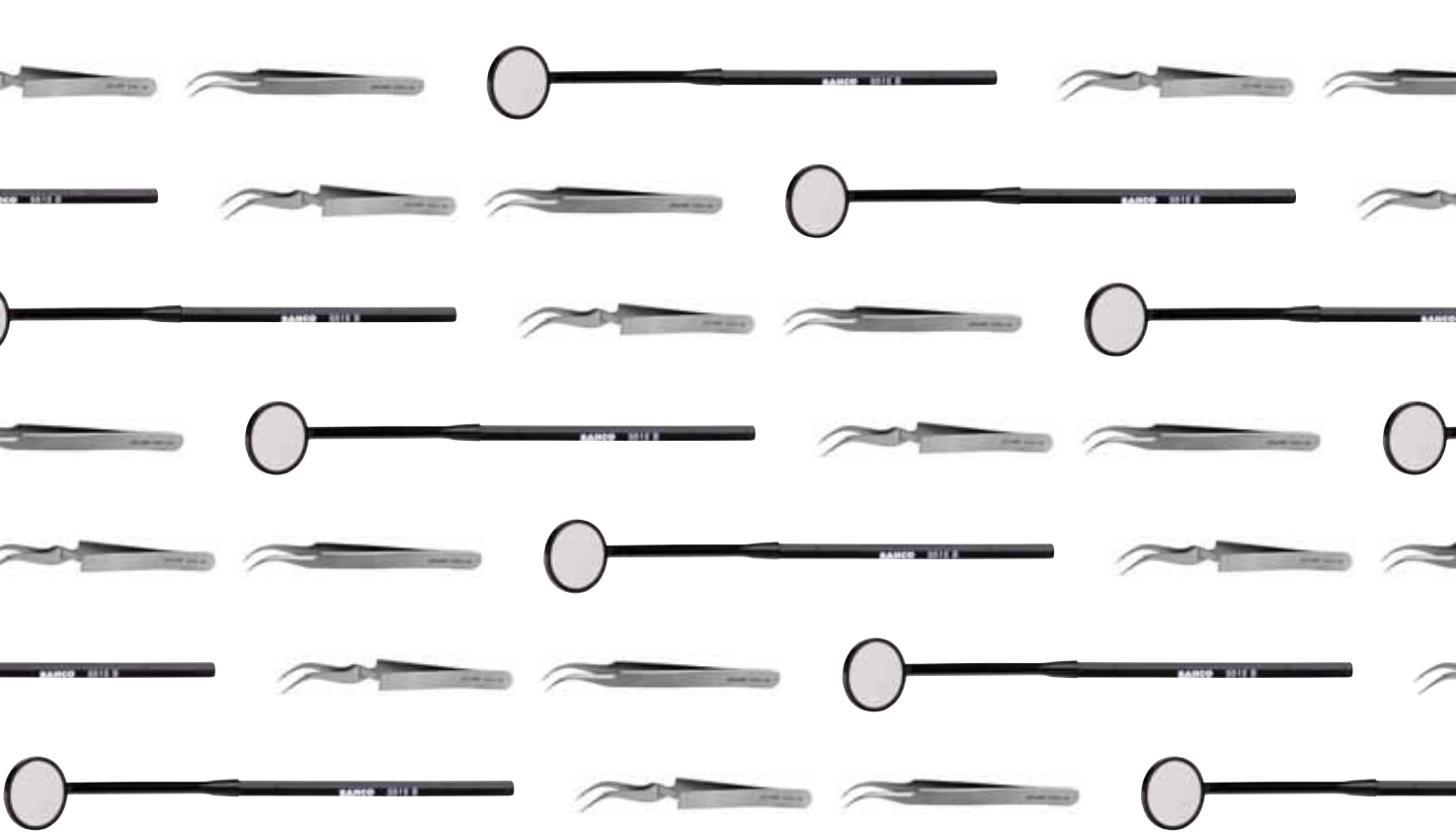


3045V-2

IEC60900 		
		
	1	3045V-2

2171V	
160 mm	
2678V	
180 mm	
2430V	
160 mm	
2223V	
BE-8220S BE-8040S BE-8050S BE-8255S	
3x100 4x100 5,5x125 6,5x150	
BE-8610S BE-8620S	
PH1x80 PH2x100	
6MV	
10,11,12,13,14,17,19 mm	
2820VP	
SC150NGV	





## **Tweezers & electronics speciality tools**

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## TWEEZERS, BELZER

General purpose tweezers, special steel



5468

mm	
112	5 5468-112

General purpose tweezers, special steel



5469

mm	
127	5 5469-127
127	5 5469 R
127	5 5469 I

General purpose tweezers, special steel



5469B

mm	
120	5 5469 B
120	5 5469 BI
120	5 5469 BR

General purpose tweezers, special steel



5471F

mm	
120	5 5471 F-120
145	5 5471 F-145
200	5 5471 F-200
250	5 5471 F-250
300	5 5471 F-300
120	5 5471 FI-120
145	5 5471 FI-145
200	5 5471 FI-200
120	5 5471 FR-120
145	5 5471 FR-145

General purpose tweezers, special steel



5475 R

5475R/5475K

mm	
105	5 5475 R
100	5 5475 K

General purpose tweezers, special steel



5516

mm	
150	5 5516
150	5 5516 I

SMD tweezers, stainless steel  
Non-magnetic, anti-acid



5540AM

mm	
120	5 5540 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5541AM

mm	
120	5 5541 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5543AM

mm	
120	5 5543 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5544AM

mm	
115	5 5544 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5545AM

mm

120



5 5545 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5583AM

mm

115



5 5583 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5588AM

mm

120



5 5588 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5546AM

mm

120



5 5546 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5584AM

mm

115



5 5584 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5589AM

mm

120



5 5589 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5547AM

mm

120



5 5547 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5586AM

mm

115



5 5586 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5590AM

mm

120



5 5590 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5549AM

mm

120



5 5549 AM

SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5587GAM

mm

120



5 5587 GAM

Non-magnetic tweezers, titanium



5463AMT

mm

120



5 5463 AMT

Non magnetic tweezers, titanium



5465AMT

mm	
110	5 5465 AMT

Watchmaker's tweezers, special steel



5463

mm	
120	5 5463-120
120	5 5463 R

Jeweller's tweezers, special steel



5470

mm	
120	5 5470-120
140	5 5470-140
160	5 5470-160
140	5 5470 R-140
160	5 5470 R-160
140	5 5470 I-140
160	5 5470 I-160

Non-magnetic tweezers, titanium



5469AMT

mm	
125	5 5469 AMT

Watchmaker's tweezers, special steel



5464

mm	
110	5 5464-105
110	5 5464 R

Non-magnetic tweezers  
Stainless steel, anti-acid



5467AM

mm	
115	5 5467 AM

Watchmaker's tweezers, special steel



5465

mm	
105	5 5465 R

Nipping tweezers, special steel



5473

mm	
90	5 5473-90

Non-magnetic, PVC coated tweezers  
Stainless steel, anti-acid



5469AMI

mm	
130	5 5469 AMI

Watchmaker's tweezers, special steel



5467

mm	
105	5 5467 R

Pointed tweezers, special steel



5479

mm	
130	5 5479-130

Pointed tweezers, special steel



5517

5517

mm	
155	5 5517
155	5 5517 I



Ball gripping tweezers  
Stainless steel, non-magnetic



5484R

mm	
145	5 5484 R

Assembly tweezers  
Stainless steel, anti-magnetic



5578

mm	
122	5 5578-115

Assembly tweezers, stainless steel  
Anti-magnetic



5571

mm	
145	5 5571-145

Assembly tweezers, stainless steel  
Anti-magnetic



5579

mm	
115	5 5579-115

Reverse action tweezers, special steel



5518

mm	
155	5 5518

Assembly tweezers, stainless steel  
Anti-magnetic



5572

mm	
145	5 5572-145

De-soldering tweezers  
Stainless steel, anti-magnetic



5574

mm	
145	5 5574-145

Soldering tweezers, special steel



5476H

mm	
160	5 5476 H

Assembly tweezers  
Stainless steel, anti-magnetic



5573

mm	
145	5 5573-145

Gripping tweezers  
Stainless steel, anti-magnetic



5575

mm	
145	5 5575-145

Gripping tweezers, soft coated tips  
Stainless steel, anti-magnetic



5576

mm	
145	5 5576-145
145	5 5576-145R

Heat absorbing tweezers, copper-cooling tips  
Stainless steel, anti-magnetic



5577

mm	
145	5 5577-145

Set of tweezers, 7 pcs  
5571-5577



5570/7

1	5570/7

5571	
5575	
5572	
5576	
5573	
5577	
5574	

Electronics tweezers  
Stainless steel, non magnetic, anti-acid



5488AM

mm	
115	5 5488 AM

Electronics tweezers, stainless steel  
Anti-magnetic, anti-acid



5489AM

mm	
115	5 5489 AM

Electronics tweezers, stainless steel  
Anti-magnetic, anti-acid



5490AM

mm	
115	5 5490 AM

Electronics tweezers, stainless steel  
Anti-magnetic, anti-acid



5491AM

mm	
140	5 5491 AM

Electronic tweezers, stainless steel  
Anti-magnetic, anti-acid



5492AM

mm	
155	5 5492 AM

Cutting tweezers  
Stainless steel, anti-magnetic, anti-acid



5493

mm	
115	5 5493-115

Set of SMD tweezers, stainless steel  
Anti-magnetic, anti-acid



5568/5

1	5568/5

5489AM	
5583AM	
5589AM	
5584AM	
5546AM	



## SOLDERING

Soldering gun, instant heat



3250

W	°C		
100	400	1	325001000
		1	3250010SH

3250010SH: Spare tip

Electronic soldering iron, light and compact



32600

W	°C		
18	390	1	326000200
25	420	1	326000300

Spare tips



326010

Ø (mm)	spare tip		
3.0	326000200	1	326010200
3.0	326000300	1	326020200
2.3	326000200	1	326030200

Electronic soldering iron, sturdy and long lasting



329500

W	°C		
30	380	1	329500300
40	420	1	329500400

Spare tips, chisel and pencil shaped



3295

Ø mm			
3.1		1	329500350
1.1		1	329500450

Heavy duty soldering iron



322500

W	°C		
30	370	1	322500300
40	375	1	322500500
80	380	1	322500800

Spare tips for soldering iron  
st = straight and ang = angled



3225

spare tip	version		
322500300	st	1	322510300
322500300	ang	1	322510400
322500500	st	1	322510500
322500500	ang	1	322510600
322500800	ang	1	322510700
322500800	st	1	322510800

Heavy duty soldering iron



329600

W	°C		
50	410	1	329600500
80	410	1	329600800

Spare tips



3296

spare			
329600500		1	329600100
329600800		1	329600200

Temperature controlled soldering iron



3270

W	°C		
50	200-450	1	327020400

Spare tips



326010200-326030200

Ø mm			
3.0		1	326010200
2.3		1	326030200

Desoldering pump



3280

mm	cm3		
192	11.3	1	328000000

Lead free solder (Sn)  
Ø 0.8 mm



3290

%	L(m)		
0.75Cu	2	1	329000330
0.75Cu	4	1	329000500

Soldering flux



3291

g			
15		1	329100540

FINE MECHANICAL

O-ring lever



BE-3529

mm			
175		5	BE-3529

Double end wire and spring hook



5418

mm			
165		1	5418

Minature awls, hooks and picks



2633/

		12	2633/S4
		12	2633L/S4

Hook set, 6 pcs



5419/6T

mm			
200		1	5419/6T

Adjusting screwdriver, with guide sleeve



5550

Ø mm max			
3,2		10	5550-3.2
4,5		5	5550-4.5

### Tuning and trimming tools



5551-5554

mm	
0,5x3-0,3x2,5	1 5551
0,8x2-0,6x1,2	1 5552
1,3-0,8	1 5553
0,3x2-quad. 3	1 5554

### Set of tuning and trimming tools



5600/4

	1 5600/4

<b>5551</b>	
0.3x2.5 0.5x3 mm	
<b>5552</b>	
0.6x1.2 0.8x2 mm	
<b>5553</b>	
0.8 1.3 mm	
<b>5554</b>	
0.3x2 mm 3 mm	

### Double end lamp extractor



5423

mm	
102	1 5423

### Three square scraper, 3524-K is only the blade



3524

mm	
85/95	1 3524
85	1 3524-L-K

### Three square machinist's scraper



3525HB

mm	
80/165	5 3525HB

### Lacquer stripping tweezers



2530

Ø mm	
0,5-0,6	5 2530-40

### Carbon scraper



2487

mm	
210	12 2487

### Flexible pick-up tool



2509

mm	
525	1 2509

### Flexible workshop mirror



2510

mm	
505	1 2510

### Small mirror Ø 20 mm



5515L

mm	
160	5 5515L

### Repair mirror, with metal handle



5515M

mm	
210	1 5515M

Plastic repair mirror



5515B

mm	
220	5 5515B

Swivel head mirror



5515GV

mm	
215	1 5515GV

Pocket telescopic glass mirror



5515T

mm	
180-690	1 5515T

Telescopic swivel head mirror



5515T-52

mm	
290-450	1 5515T-52

Optical magnifier



3046-OP

mm	
30	12 3046-OP

Electronics socket set, 28 pcs



6330M

1 6330M

<b>6300M</b>	
2.5 3 3.5 4 4.5 5 5.5 6 7 mm	
<b>6306-5/32</b>	
<b>40MH</b>	
0.5x3 0.6x3.5 0.6x4 0.6x4.5 0.8x4 0.8x5.5 1x5.5 mm	
<b>42H</b>	
PH 0 1 2	
<b>41PZD/SDVH</b>	
PZ 1 2	
<b>45M</b>	
1.5 2 2.5 3 mm	
<b>6361</b>	
<b>6366</b>	

Electrician's tool bag, 28 pcs



3049-2

1 3049-2

<b>BE-80xxS BE-82xxS</b>	
0.5x3 0.8x4 1x5.5 1.2x8.5	
<b>BE-86xxS</b>	
PH1x80 PH2x100	
<b>BE-8820S</b>	
PZ2x100	
<b>8045LVDE</b>	
0.5x3.5x42 mm	
<b>817-100</b>	
<b>BE-9765</b>	
1.5 2 2.5 3 4 5 mm	
<b>2101S</b>	
160 mm	
<b>2427S</b>	
200 mm	


























Tool case with tools



2010

mm	
480x330x180	1 2010

<b>1952M</b>	
6 7 8 9 10 11 12 13 14 mm	
<b>1952Z</b>	
1/4 3/8 1/2"	
<b>4020LM</b>	
3 3.2 3.5 4 4.5 5.5 mm	

<b>9070C</b> 160 mm		<b>5577-145</b> 145 mm	
<b>BE-8220S BE-8040S BE-8050S</b> 0.5x3x100 0.8x4x100 1x5.5x125		<b>5574-145</b>	
<b>BE-86xx</b> PH0x75 PH1x80 PH2x100		<b>2530-32</b> 130 mm	
<b>BE-8260</b> 1.2x8x175		<b>5418</b> 165 mm	
<b>BE-83xx</b> 0.8x4x25 1x5.5x25 1.2x6.5x25		<b>5515GV</b> 215 mm	
<b>BE-78xx</b> 4 4.5 5 5.5 6 7 mm		<b>2535L</b>	
<b>700-701</b> 1x50 1.2x50 1.5x50 1.8x50 PH00 PH0		<b>5423</b> 85 mm	
<b>8045LVDE</b> 0.6x3.5x42 mm		<b>3524</b>	
<b>5550</b> 3.2 4.5 mm		<b>2-470</b> 6 x 2-470-16-1-0	
<b>3659/8T</b> 0.9 1.4 1.8 2.4 2.8 3.4 3.9 6 mm		<b>2713A</b> 140 mm	
<b>1996M</b> 1.5 2 2.5 3 4 mm		<b>2477AB</b> 200 mm	
<b>1995M/8T</b> 2 2.5 3 4 5 6 7 8 mm		<b>2665B</b> 160 mm	
<b>5516I</b> 150 mm			







## Measuring tools

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## TAPES

Measuring tape



MTS

m		
5	6	MTS-5-25
5	6	MTS-5-25-E
8	6	MTS-8-25
8	6	MTS-8-25-E

Measuring tape



MTB

m		
3	6	MTB-3-16
3	6	MTB-3-16-E
3	6	MTB-3-16-M
3	6	MTB-3-16-M-E
5	6	MTB-5-25
5	6	MTB-5-25-E
5	6	MTB-5-25-M
5	6	MTB-5-25-M-E
8	6	MTB-8-25
8	6	MTB-8-25-E
8	6	MTB-8-25-M
5	6	MTB-5-25-C1

Measuring tape



MTG

m		
3	12	MTG-3-16
3	12	MTG-3-16-E
5	12	MTG-5-19
5	12	MTG-5-19-E

Measuring tape



1162N

mm		
2000 x 13	1	1162N-1/2

Measuring tape



LTS

m		
30	5	LTS-30
30	5	LTS-30-E
50	5	LTS-50
50	5	LTS-50-E
100	5	LTS-100
100	5	LTS-100-E

Measuring tape



LTB

m		
10	6	LTB-10
10	6	LTB-10-E
20	6	LTB-20
20	6	LTB-20-E
30	6	LTB-30
30	6	LTB-30-E

Measuring tape



LTG

m		
10	6	LTG-10
10	6	LTG-10-E
20	6	LTG-20
20	6	LTG-20-E
30	6	LTG-30
30	6	LTG-30-E

## MEASURING WHEELS

Measuring wheel, 150 mm



MW-150

mm	m	
150	9999.9	2 MW-150

Measuring wheel, 250 mm



MW-250

mm	m	
250	9999.9	2 MW-250

## RULES

Wooden rule 1 m  
MM=metric only



WR1

m		
1	50	WR1
1	50	WR1-MM

Wooden rule 2 m  
MM=metric only



WR2

m		
2	25	WR2
2	25	WR2-MM

Wooden rule 2 m 12 section



WR2-12

m		
2	25	WR2-12

Flexible stainless steel ruler



1179-FLX

mm		
160	100	1179-FLX

## LEVELS

Spirit level



426

mm		
400	1	426-400
600	1	426-600
600	1	426-600-3
800	1	426-800
1000	1	426-1000
1200	1	426-1200

Torpedo level



426TOR9

mm		
230	10	426TOR9

Spirit level



446

mm		
400	1	446-400
600	1	446-600
800	1	446-800
1000	1	446-1000

Scaffold level



466-250

mm		
250	10	466-250

Scaffold level



476-250

mm		
250	10	476-250

## Spirit level



466

mm		
400	4	466-400
400	4	466-400-M
600	4	466-600
600	4	466-600-M
800	4	466-800
800	4	466-800-M
1000	4	466-1000
1000	4	466-1000-M
1200	4	466-1200
1200	4	466-1200-M
1800	4	466-1800
2000	4	466-2000

Solid level, accuracy 0.5 mm/m  
-M models have a magnetic base



406

mm		
300	5	406-300
300	5	406-300-M
400	5	406-400
400	5	406-400-M
500	5	406-500
500	5	406-500-M
600	5	406-600
600	1	406-600-M
800	1	406-800

## 2 way level



466-BE1

mm	mm		
60	45	12	466-BE1

## Line level



466-LINE

mm		
75	12	466-LINE

## Post level



466-POST

mm		
75x75x120	6	466-POST

## CHALK LINE AND CHALK

Chalk line 3x rewind  
CL-1221-SET: 227g bottle of blue chalk, 75 mm line level + CL-1221



CL-1221

m		
30	6	CL-1221
30	4	CL-1221-SET

## Chalk



CHALK-300

g		
300	6	CHALK-300-B
300	6	CHALK-300-R
300	6	CHALK-300-W
300	6	CHALK-300-Y

## BEVELS

### Sliding bevel



9572

mm		
200	6	9572-200
250	6	9572-250

Bevel



9574

mm		
200	10	9574-200
250	10	9574-250
300	10	9574-300

Fixed bevel



9575

mm		
250	6	9575-250

SQUARE

Square



9045-B

mm		
200	6	9045-B-200
250	6	9045-B-250
300	6	9045-B-300
400	1	9045-B-400

Square



9048

mm		
200	10	9048-200
250	10	9048-250
300	10	9048-300
350	10	9048-350
400	10	9048-400

Construction square



3085

mm	mm		
400	200	1	308504000
500	250	1	308505000
600	300	1	308506000
800	300	1	308508000
1000	500	1	308510000

Combination square



CS

mm		
150/6"	12	CS150
300/12"	12	CS300
400/16"	12	CS400

PENCIL AND SCRIBERS

Pencil HB grade



P-HP-240

P-HB

mm	pcs		
240	25	25	P-HB-240
180	25	25	P-HB
180	200	4	PENCIL-200-DISP

Offset scriber 230 mm  
Diameter 4 mm and angle 70°



1177-SCRIBE

mm		
230	5	1177-SCRIBE

Scriber carb. tungsten 150 mm  
Diameter 2.5 mm



1178-SCRIBE

mm		
150	5	1178-SCRIBE

Scriber with interchangeable carbide point 150 mm long  
Tip diameter 2.5 mm, body diameter 8 mm



1179-SCRIBE

mm			
150	5	1179-SCRIBE	
	1	1179-TIPS	

## PRECISION MEASURING

Digital caliper



11150D

mm			
250x90x25	1	11150D	

Caliper



11150

mm			
150	1	11150-1/2H/P	

Professional feeler gauges



1544

mm	Blades		
0.03 - 0.10	26	1	1544

Professional feeler gauge



1545

mm	Blades		
0.05 - 0.6	8	1	1545

Professional feeler gauge



1546

mm	Blades		
0.05 to 1.0	13	1	1546

Professional feeler gauges



1547

mm	Blades		
0.05 - 1.00	20	1	1547

Metric 60° screw pitch gauge



1535

mm	Blades		
0.25 - 6.0	24	1	1535

Whitworth 55° screw pitch gauge



1536

Whitworth	Blades		
4 - 62	28	1	1536

Metric 60° & Whitworth 55° screw pitch gauge



1537

mm + Whit	Blades		
.25-6/4-62	52	1	1537





## Decorating Tools

---

## SCRAPERS

ERGO™ paint scraper with holster

ergo®



625

mm blade



25

5 625

ERGO™ paint scraper

ergo®



650

mm blade



50

5 650

ERGO™ paint scraper

ergo®



665

mm blade



50 - 65

5 665

Paint scraper blade



850 / 865

Length mm



50

10 850-1

65

10 865-1

Paint scraper blades



449/442/451

Length mm



25

10 449

50

10 442

65

10 451

Paint scraper blades for scraper 625



625-



10 625-DROP

10 625-PEAR

10 625-ROUND

Scraper set

ergo®



SCRAPER-SET2

mm



1 SCRAPER-SET2

625



650



625-DROP, 625-ROUND, 625-PEAR



Universal knife



2488

mm



190

12 2488

Putty knife



2489

mm



235

12 2489

Single edge blade knife



2491

mm		
210	12	2491

## CABINET SCRAPERS

Cabinet scraper



474

mm		
125	10	474-125-0.60
125	10	474-125-0.80
150	10	474-150-0.60
150	10	474-150-0.80

## RASPS

Chamfer plane



250703000

mm		
300	1	250703000

## DRYWALL TOOLS

Wooden handle putty knife



2155

mm x mm		
30x195	12	215500300
40x215	12	215500400
50x218	12	215500500
60x217	12	215500600
70x220	12	215500700
80x225	12	215500800
90x229	12	215500900
100x234	12	215501000

Plastic handle rigid carbon steel blade



2165

mm	mm		
30	185	12	216500300
50	195	12	216500500
75	200	12	216500750
100	205	12	216501000

Single component handle putty knife



216

mm	mm		
30	210	12	216000300
40	210	12	216000400
50	210	12	216000500
60	210	12	216000600
70	210	12	216000700
80	210	12	216000800
90	210	12	216000900
100	210	12	216001000
120	210	12	216001200

2-component handle, carbon steel blade



2150

mm	mm		
30	220	12	215000030
40	220	12	215000040
50	220	12	215000050
60	220	12	215000060
70	220	12	215000070
80	220	12	215000080
90	220	12	215000090
100	220	12	215000100
120	220	12	215000120

2 component handle putty knife - Inox blade



2161

mm	mm		
40	220	12	216100040
60	220	12	216100060
80	220	12	216100080
100	220	12	216100100
120	220	12	216100120

Filling scraper



2190

A x B		
100 x 235	5	219001000
120 x 235	5	219001200
140 x 235	5	219001400
160 x 235	5	219001600
200 x 235	5	219002000

### Stainless steel filling scraper



2192

A x B			
100 x 235	5	219201000	
120 x 235	5	219201200	
140 x 235	5	219201400	
160 x 235	5	219201600	
200 x 235	5	219202000	

### Glue comb scraper



2213

A x B	Grs/m2		
130 x 120	250/300	5	221301200
130 x 200	250/300	5	221302000
130 x 300	250/300	5	221303000

### Serrated trowel



209

mm x mm		
270*115	12	209027040

### Stainless steel filling scraper



2193

L			
25	1	219302500	
30	1	219303000	
35	1	219303500	

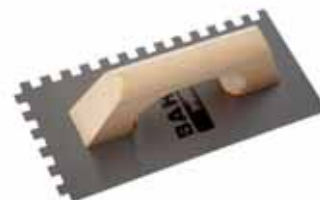
### Trowel



202

mm x mm		
300*180	12	202030180

### Serrated trowel



2092

mm		
275x115	12	209227060
280x130	12	209228100
500x130	6	209250100

### Glue comb scraper



2212

A x B	Grs/m2		
130 x 120	250/300	5	221201200
130 x 200	250/300	5	221202000
130/300	250/300	5	221203000

### Trowel - rectangular



204

mm x mm		
300*150	12	204030150
300*160	12	204030160
300*180	12	204030180
500*130	6	204050130

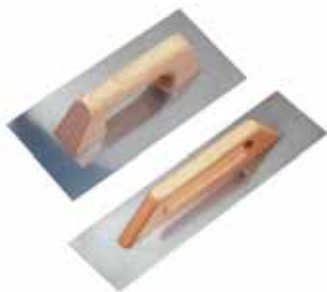
### Serrated trowel





2093

mm		
280x115	12	209328060

### Stainless steel plastering trowel



2045

mm			
300x140	12	204530140	 
500x130	6	204550130	
300x140	12	2045A3000	

### Plastic trowel



2120

mm			
270x180	5	212027180	 
330x220	8	212033220	

### Foam base trowel



2123

mm			
290x150	6	212302900	 

### 2-component handle trowel




2094

mm			
280x120	6	209428000	 
280x120	6	209428100	

### Plastic trowel with pointed tip



213

mm			
265x140	5	213026140	 

### Hard rubber grout float



2125

mm			
215x135	6	212502150	 

### Flat plastic trowel



211

mm			
350x180	5	211035180	 
420x210	5	211042210	

### Grout trowel



2122

mm			
250x110	6	212202500	 

### Soft rubber grout float



2126

mm			
215x135	6	212602150	 
280x140	6	212602800	

Aluminium plastering scribe



2127

mm	
435x90x17	6 212704350

Plaster board lifter



2504

mm	
15000*15000*9000	1 250400000

Plaster board transporter



2500

mm	
500	1 250005000

MASONRY TROWELS

Trowel



2301

mm	
A 145 x 110	6 2301A0000
B 160 x 115	6 2301B0000
C 175 x 125	6 2301C0000

Trowel



2302

mm	
A 180 x 110	6 2302A0000
B 180 x 115	6 2302B0000
C 190 x 125	6 2302C0000

Trowel



2303

No mm	
B 110 x 68	6 2303B0000
D 135 x 78	6 2303D0000
F 165 x 93	6 2303F0000
H 190 x 103	6 2303H0000
J 215 x 113	6 2303J0000
K 228 x 117	6 2303K0000
L 240 x 122	6 2303L0000

Trowel



2304

No mm	
A 180 x 110	6 2304A0000
C 200 x 118	6 2304C0000

Bay leaf trowel



2307

mm	
135 x 60	6 230713500

Sharp tipped trowel



2308

No mm	
A 120 x 70	6 2308A0000
B 150 x 100	6 2308B0000



Round tipped trowel



2309

mm		
125 x 75	6	230912500

Outer corner trowel



2360

mm	mm		
120 x 97	97	6	236001200

Outside corner trowel



2361

mm		
120x97x97	6	236101200

PLASTERER'S RAILS

Plasterer's rail



2145xxxD

mm		
275x35x20	1	2145020D0
275x35x25	1	2145025D0
275x35x30	1	2145030D0
275x35x35	1	2145035D0

Plasterer's rail, flat



2145xxxL

mm		
275x35x20	1	2145020L0
275x35x25	1	2145025L0
275x35x30	1	2145030L0
275x35x35	1	2145035L0

Plasterer's rail, curved



2145xxxC

mm		
225x35x20	1	2145025C0
210x35x39	1	2145039C0

SETTING TOOLS

Fixing setting tool



250501800

mm		
180	1	250501800

Fixing setting tool



250502450

mm		
245	1	250502450

TRIM CUTTERS

Trim cutter



8640

mm		
245	1	864002450

Trim cutter



8641

mm



245 1 864102400

## PUNCHING TOOLS

Punching tools for drylining



671002600

mm



260 1 671002600

Punching tools for drylining



671002850

mm



285 1 671002850



## Hand actuated saws

---

## HAND HACKSAW FRAMES

Professional hand hacksaw frame

ergo®



325

mm  5 325

300

Professional hand hacksaw frame



225-PLUS

mm  5 225-PLUS

300

Professional hand hacksaw frame



319

mm  5 319

300

Hacksaw frame



317

mm  10 317

300

Compact hacksaw frame



306

mm  10 306

300

Traditional hand hacksaw frame



320

mm  10 320

504

Hacksaw frame



304

mm  10 304

517

Compass saw



321

mm  5 321

310

Universal saw



210

mm  10 210

300

Mini hacksaw



268

mm  5 268

150

Junior hacksaw



239

mm  5 239

150

Junior hacksaw



238

mm  5 238

150

### Mini saw



228

mm		
150	5	228
150	5	228-BULK

### Junior hacksaw



219

mm		
150	5	219

### Junior hacksaw



218

mm		
150	10	218
150	1	218-BULK

### Mini hacksaw



208

mm		
250	5	208

## HAND HACKSAW BLADES

Hand hacksaw blades  
Sandflex® bi-metal + cobalt



3906

mm-TPI		
250-18	100	3906-250-18-100
250-24	100	3906-250-24-100
250-32	100	3906-250-32-100
300-14	100	3906-300-14-100
300-18	100	3906-300-18-100
300-24	100	3906-300-24-100
300-32	100	3906-300-32-100
300-18	10	3906-300-18-2P
300-24	10	3906-300-24-2P
300-32	10	3906-300-32-2P
300-18,24,32	10	3906-300-3P
300-18	10	3906-300-18-5P
300-24	10	3906-300-24-5P
300-32	10	3906-300-32-5P
300-18	10	3906-300-18-10P
300-24	10	3906-300-24-10P
300-32	10	3906-300-32-10P

Hand hacksaw blades, HSS



3905

mm-TPI		
250-24	100	3905-250-24-100
300-14	100	3905-300-14-100
300-18	100	3905-300-18-100
300-24	10	3905-300-24-2P
300-24	100	3905-300-24-100
300-32	100	3905-300-32-100

### Rod sawblade for junior hacksaw frames



215

mm-TPI		
150-6	5	215-150

### Rod sawblade with cemented carbide



216-R

mm		
150-6	5	216-150-R
300-12	5	216-300-R

### Spare blade for junior hacksaw frames



228-P

mm-inch	TPI	
150-6 (5p)	15	10 228-15-5P
150-6 (5p)	32	10 228-32-5P
150-6 (10p)	32	10 228-32-10P
150-6(100p)	32	1 228-32-100P

### Blade with tungsten carbide toothing



3816

mm-inch		
300-12	5	3816-300

Spiro blade for sawing ventilation tubes



3810

mm-TPI		
610-32	10	3810-600-32

Sandflex® bi-metal spiro blade



3806-SPIRO

mm-TPI		
600-32	10	3806-600-32

Interchangeable Sandflex® blades  
For compass saw 321



321-SB

mm-toothing		
310-7	10	321-7-SB
310-18	10	321-18-SB
310-24	10	321-24-SB

## HANDSAW WITH INTERCHANGEABLE BLADES

BHS Handle: L=Large; M=Medium  
LE=Left Hand; RI Right Hand

ergo®



EX-

Hand	Size		
LE	L	4	EX-LL
RI	M	4	EX-RM
RI	L	4	EX-RL

Superior coarse saw blade



EX-XT7

mm/TPI		
550-7/8	10	EX-22-XT7-C
600-7/8	10	EX-24-XT7-C

Superior medium saw blade



EX-XT9

mm/tpi		
475-9/10	10	EX-19-XT9-C
550-9/10	10	EX-22-XT9-C

Superior fine saw blade



EX-20-XT11-C

mm/TPI		
500-11/12	10	EX-20-XT11-C

Superior laminator saw blade



EX-20-LAM-C

mm/TPI		
500-11/12	10	EX-20-LAM-C

Superior plaster saw blade



EX-22-PLS-C

mm/TPI		
550-7/8	10	EX-22-PLS-C

Superior general purpose saw blade



EX-16-GNP-C

mm/TPI		
400-15/16	10	EX-16-GNP-C



Superior tenon saw blade



EX-14-TEN-C

mm-TPI	
350-11/12	10 EX-14-TEN-C

Superior veneer saw blade



EX-14-VEN-C

mm/TPI	
350-11/12	10 EX-14-VEN-C

Barracuda BHS blade



EX-244P-22

mm/TPI	
550-7/8	10 EX-244P-22

BHS PrizeCut+ blade



EX-NPP-22

mm/TPI	
550-7/8	10 EX-NPP-22

BHS PrizeCut blade



EX-22-U7

mm/TPI	
550-7/8	10 EX-22-U7

**SUPERIOR™ HANDSAWS**

Superior handsaw



2600

TPI	
475-9/10	4 2600-19-XT-HP
550-9/10	4 2600-22-XT-HP

Superior handsaw



2700

mm-TPI	
550-7/8	4 2700-22-XT7-HP
600-7/8	4 2700-24-XT7-HP

Superior handsaw  
For fine and medium thick material




3090

mm/inch	
500-11/12	4 3090-20-XT11-HP

Superior toolbox saw  
For medium and fine material



2600-16

mm/TPI	
400-11/12	4 2600-16-XT11-HP

Superior tenon saw



3180

mm/tpi	
350-11/12	4 3180-14-XT11-HP

Superior veneer saw



3240

mm/TPI	
360-11/12	4 3240-14-XT11-HP

Superior compass saw



3150

mm/TPI		
300-9/10	4	3150-12-XT9-HP

Superior laminator

ergo®



SUP-LAM

mm/TPI		
500-11/12	4	SUP-20-LAM

PROFCUT™ HANDSAWS

Handsaw, hardpoint



PC-GT7

mm-TPI		
475-GT7	4	PC-19-GT7
550-GT7	4	PC-22-GT7

Handsaw, hardpoint



PC-GT9

mm-TPI		
475-GT9	4	PC-19-GT9
550-GT9	4	PC-22-GT9

Handsaw, fileable



PC-FILE

mm-TPI		
400-U7	4	PC-16-FILE-U7
475-U7	4	PC-19-FILE-U7
550-U7	4	PC-22-FILE-U7
600-U7	4	PC-24-FILE-U7

Toolbox saw, hardpoint



PC-TBX

mm-TPI		
380-GT11	4	PC-15-TBX

Tenon saw, hardpoint



PC-TEN

mm-TPI		
300-UT11	4	PC-12-TEN

Veneer saw, hardpoint



PC-VEN

mm-TPI		
300-UT11	4	PC-12-VEN

Compass saw, hardpoint



PC-COM

mm-TPI		
300-XT9	4	PC-12-COM

Dovetail saw - straight handle



PC-DTR

mm-TPI		
250-UT13	10	PC-10-DTR

Dovetail saw, angled handle



PC-DTL

mm-TPI		
250-UT13	10	PC-10-DTL

General carpentry pull-saw



PC-12-PS

mm		
305/13.5	4	PC-12-14-PS
305/13.5	10	PC-12-14-PS-B

Timber saw



PC-TIM

mm-TPI		
600/FT3,5	4	PC-24-TIM

Dovetail saw, straight handle



PC-DTF

mm-TPI		
250-FT15	10	PC-10-DTF

Tenon pull saw for extra fine precision cuts



PC-11-PS

mm/TPI		
270/18.5	4	PC-11-19-PS
270/18.5	10	PC-11-19-PS-B

Plaster saw



PC-PLS

mm-TPI		
600-GT7	4	PC-24-PLS

Laminator



PC-LAM

mm-TPI		
500-XT11	4	PC-20-LAM

Double edge fine cut pull-saw



PC-9-PS

mm	TPI		
240	6-8.5 / 17	4	PC-9-9/17-PS
240	6-8.5 / 17	10	PC-9-9/17-PS-B

General purpose saw



PC-GNP

mm-TPI		
380-FT15	4	PC-15-GNP

Precision saw



PC-PRC

mm-TPI		
500-UT9	4	PC-20-PRC

Dry-wall saw



PC-6-DRY

mm/inch		
160/8	6	PC-6-DRY

Polystyrene foam saw



PC-DECO

mm-TPI		
400-special	4	PC-16-DECO

Handsaw - Coromant® cemented carbide tipped  
toothing



255		
mm-TPI		
625-1.2	1	255

Handsaw - Coromant® cemented carbide tipped  
toothing



255-15/29		
mm-TPI		
625-0.6	1	255-15/29

Saw for cellular concrete blocks



256		
mm-TPI		
650-2	4	256-26

Insulation saw  
PC-22-INS-10P/24P: Display of 10/24pcs



PC-22-INS		
mm/toothing		
550-WT	4	PC-22-INS
550-WT	1	PC-22-INS-10P
550-WT	1	PC-22-INS-24P

## PRIZECUT™ HANDSAWS

Handsaw, hardpoint



NP		
mm-TPI		
400-U7	4	NP-16-U7/8-HP
475-U7	10	NP-19-U7/8-HP
550-U7	10	NP-22-U7/8-HP

Tenon saw



NP-TEN		
mm-TPI		
300-UT13	10	NP-12-TEN

Veneer saw



NP-VEN		
mm-TPI		
300-UT13	10	NP-12-VEN

Compass saw



NP-COM		
mm-TPI		
300-UT7	4	NP-12-COM

General purpose saw



300		
mm-TPI		
360-FT15	4	300-14-F15/16-HP

Handsaw - Coromant® cemented carbide tipped  
toothing



NP-CONC		
mm-TPI		
625-1.2	2	NP-CONC
625-1.2	2	NP-CONC-17/34

## OTHER HANDSAWS

Handsaw, hardpoint



2500 XT		
mm-TPI		
400-11/12	4	2500-16-XT-HP
475-9/10	4	2500-19-XT-HP
550-9/10	4	2500-22-XT-HP
600-7/8	4	2500-24-XT7-HP

Handsaw for medium to thick wood



244

Length mm			
500-7/8	10	244-20-U7/8-HP	
550	10	244-22-U7/8-HP	

Handsaw for medium to thick wood



244P

Length mm			
500-7/8	4	244P-20-U7-HP	
550-7/8	10	244P-22-U7-HP	

General purpose saw



369

mm-TPI			
360-U13	4	369	
360-U13	20	369-BLADE	

Musical saw



296

mm			
750	1	296	

Foldable saw, XT toothing, special coating



396-LAP

mm			
230/405-7	10	396-LAP	
	100	396-BLADE	

Foldable saw and knife set



LAP-KNIFE

mm			
230/405-7	10	LAP-KNIFE	

MITRE BOX

Mitre box



233

mm			
300x104x50	5	233-300	
400x104x50	5	233-400	
300x104x50	5	233-300-A	

Aluminium mitre box



234-A

mm			
245x60x45	1	234-A1	
245x100x30	1	234-A2	

Mitre box



234-W

mm			
245x53x40	10	234-W1	
300x70x50	10	234-W2	
300x70x65	10	234-W3	

## COPING SAWS

Coping saw



301		
mm	 	
165	5	301

Spare blade for saw 301



303		
mm	 	
150	10	303-5P

## FRET SAWS AND BLADES

Fret saw



302		
mm	 	
300	5	302

Fret saw



502		
mm	 	
300	5	502

Fret saw set



502/		
	 	
	5	502-SET2
	5	502-SET6

Assortment of spare blades for junior saws



302-6X4P		
mm	 	
130	1	302-6X4P

Spare blades

1 = fine, 3-5 = medium, 7 = coarse



302M



Toothing	 
1	1 302-71M-12P
3	1 302-73M-12P
5	1 302-75M-12P
7	1 302-77M-12P

Spare blades, wood/plastic

1 = fine, 3 = medium and 5 = coarse



302S

Toothing	 
1	1 302-81S-12P
3	1 302-83S-12P
5	1 302-85S-12P

Spare blades, wood

1-3 = fine, 5-7 = medium, 9-11 = coarse



302W

Toothing	 
1	1 302-51W-12P
3	1 302-53W-12P
5	1 302-55W-12P
7	1 302-57W-12P
9	1 302-59W-12P
11	1 302-511W-12P



## BOWSAWS

Bowsaw for green and dry wood  
23 = green wood, 51 = dry wood



10 mm	
530	5 10-21-51
610	5 10-24-23
610	5 10-24-51
760	5 10-30-23
760	5 10-30-51

Bowsaw



332 mm	
530	5 332-21-51

Bowsaw with reversible blade



2-21-51 mm	
530	5 2-21-51

Bowsaw with reversible blade  
51 = dry wood



3-24-51 mm	
607	5 3-24-51

Bowsaw  
51 = dry wood



331-21 mm	
530	5 331-21-51-KP

Bowsaw  
23 = green wood



331-15 inch	
15	5 331-15-23

Professional bowsaw  
-23 = raker toothed blade, green wood



SE -15/-16 mm/inch	
530/21	5 SE-16-21
530/21	5 SE-16-21-23
610/24	5 SE-15-24
760/30	5 SE-15-30
760/30	5 SE-15-30-23
810/32	5 SE-15-32
910/36	5 SE-15-36
910/36	5 SE-15-36-23

SE-16-21

Bowsaw with reversible blade



333 mm	
350	5 333

Saw for ventilation tubes



14-24 mm	
610	5 14-24-3810

Toolbox-sized mini bowsaw  
51 = dry wood



9-12 mm	
300	5 9-12-51/3806-KP

## BOWSAW BLADES

Spare blade bowsaws, dry wood



51

mm		
320	10	51-12
530	10	51-21
607	10	51-24
759	10	51-30
810	10	51-32
912	10	51-36

Spare blades bowsaws, green wood



23

mm		
380	10	23-15
530	10	23-21
607	10	23-24
759	10	23-30
810	10	23-32
912	10	23-36

Bowsaw blade, green wood



333-5

mm		
350	10	333-5



## Wood chisels & accessories

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## WOOD CHISELS

Chisels

ergo®



434

mm	
6	4 434-6
8	4 434-8
10	4 434-10
12	4 434-12
14	4 434-14
15	4 434-15
16	4 434-16
18	4 434-18
20	4 434-20
22	4 434-22
25	4 434-25
28	4 434-28
30	4 434-30
32	4 434-32
35	4 434-35
38	4 434-38

Chisel set, 3 pcs

ergo®



434-S3-EUR



1 434-S3-EUR

434-S3-EUR

12, 18, 25 mm

Chisel set, 6 pcs

ergo®



434-S6-EUR



1 434-S6-EUR

434-S6-EUR

6, 10, 12, 18, 25, 32 mm

Chisels



424P

mm	
4	4 424P-4
6	4 424P-6
8	4 424P-8
10	4 424P-10
12	4 424P-12
14	4 424P-14
15	4 424P-15
16	4 424P-16
18	4 424P-18
20	4 424P-20
22	4 424P-22
24	4 424P-24
25	4 424P-25
26	4 424P-26
28	4 424P-28
30	4 424P-30
32	4 424P-32
35	4 424P-35
38	4 424P-38
40	4 424P-40

Chisel set, 3 pcs



424P-S3-EUR



1 424P-S3-EUR

424P-S3-EUR

12, 18, 25 mm

Chisel set



424P-S6/S8



1 424P-S6-EUR

1 424P-S8-EUR

424P-S6-EUR

6, 10, 12, 18, 25, 32mm

424P-S8-EUR

6, 10, 12, 16, 18, 25, 32, 38mm

Chisels



414

mm		
6	4	414-6
8	4	414-8
10	4	414-10
12	4	414-12
14	4	414-14
15	4	414-15
16	4	414-16
18	4	414-18
20	4	414-20
22	4	414-22
25	4	414-25
28	4	414-28
30	4	414-30
32	4	414-32
35	4	414-35
38	4	414-38

Chisel set, 3 pcs



414-S

mm		
	1	414-S3-EUR

414-S3-EUR  
12, 18, 25 mm

Chisels - wooden handle



425

mm		
4	4	425-4
6	4	425-6
8	4	425-8
10	4	425-10
12	4	425-12
14	4	425-14
15	4	425-15
16	4	425-16
18	4	425-18
20	4	425-20
22	4	425-22
24	4	425-24
25	4	425-25
26	4	425-26
28	4	425-28
30	4	425-30
32	4	425-32
35	4	425-35
38	4	425-38
40	4	425-40

Chisel set - wooden handle



425-081/082

	1	425-081
	1	425-082

425-081  
12, 18, 25 mm

425-082  
6, 10, 12, 18, 25 mm

Chisel set, 6 pcs



425-083

	1	425-083

425-083  
6, 10, 12, 18, 25, 32 mm

Chisels



1031

mm		
4	5	1031-4
6	5	1031-6
8	5	1031-8
10	5	1031-10
12	5	1031-12
14	5	1031-14
16	5	1031-16
18	5	1031-18
20	5	1031-20
22	5	1031-22
25	5	1031-25
28	5	1031-28
30	5	1031-30
32	5	1031-32
40	5	1031-40

Chisel set



9883

	1	9883

1031  
6, 12, 16, 20, 25 mm

Spare handle



956



1 956

Gouges



422P

mm



6	4	422P-6
10	4	422P-10
12	4	422P-12
16	4	422P-16
20	4	422P-20
25	4	422P-25

Wrecking knife  
SB-2448 = individually retail packed, 2448 = display box of 12



SB-2448

2448

mm	mm	
100	4	12 2448
100	4	10 SB-2448

Curved wrecking knife  
SB = blister packed, 2449 = display box of 12



2449

mm	mm	
100	4	12 2449
100	4	10 SB-2449

## GRINDING STONES

Natural grinding stone



528-700

mm



150

1 528-700

Grinding stone, 2 grains



528-COM

mm



150

1 528-COM





## Scissors & knives

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## METAL SHEARS

Metal shears, aviation/compound shear



MA225

mm		
250	4	MA225

Metal shears, aviation/compound shear



MA225L

mm		
250	4	MA225L

Metal shears for heavy work  
Aviation/compound shear, right



MA225R

mm		
250	4	MA225R

Tin snip with lever action, left cut



MA401

mm		
250	1	MA401
	1	8698M0250

Tin snip with lever action, right cut



MA411

mm		
250	1	MA411
	1	8698M0250

Tin snip with lever action, straight cut



MA421

mm		
250	4	MA421
	1	8698M0250

Multipurpose tin snip, long cut



MA431

mm		
290	1	MA431
	1	8698M0250

Professional tin snip with lever action, left cut



MA311

mm		
260	1	MA311
	1	8697M0260

8697M0260: Spare parts set

Professional tin snip with lever action, right cut



MA321

mm		
260	1	MA321
	1	8697M0260

8697M0260: Spare parts set

Metal shears, pass-through compound shear



MA325

mm		
250	4	MA325

Professional tin snip, pass-through, right cut



MA361

mm		
250	1	MA361
	1	8697M0260

8697M0260: Spare parts set

Professional tin snip, pass-through, left cut



MA351

mm		
250	1	MA351
	1	8697M0260

8697M0260: Spare parts set

Metal shears, traditional/industrial shears



M126

mm	
260	4 M126

Metal shears, pass-through



M330

mm	
300	4 M330

Punch snip Madrid type, right cut



8691

mm	
200	6 869102000
250	6 869102500
300	6 869103000

Metal shears, left and straight cutting



M227L

mm	
270	4 M227L

Metal shears, straight, 2 thick blades



M526

mm	
260	4 M526

Punch snip, Catalanian type



8692

mm	
300	6 869203000

Metal shears, right and straight cutting



M227R

mm	
270	4 M227R

Metal shears, straight, one thick blade, one thin blade



M730

mm	
220	4 M722
260	4 M726
300	2 M730

Metal shears, traditional/retail shear



MR126

mm	
260	4 MR126

Metal shears, traditional/industrial shears, left



MR227L

mm



270

4 MR227L

Metal shears, pass-through shear



MR340

MR340

mm



350

2 MR340

Metal shears, offset left



584D

mm



280

4 584D

Metal shears, traditional/retail shears, right



MR227R

mm



270

4 MR227R

Metal shears, offset right



583D

mm



280

4 583D

Metal shears, offset left



586D

mm



280

4 586D

Metal shears, straight-one thin blade, one thick blade



MR726

mm



260

4 MR726

Metal shears, offset right



585D

mm



280

4 585D

Two-hand compound shears



M6376

mm



760

1 M6376

1 M6376-SH

Metal shears, for heavy industrial work



M676

mm		
760	1 M676	1 M676-SH

Metal shears-nibbler



M926

mm		
250	1 M926	1 M926-SH

Multipurpose snip



2744

mm		
190	6 2744	

## SCISSORS

Electrician scissors  
S=serrated version



SC127/SC127S

mm		
127	10 SC127	
127	10 SC127S	

Electrician scissors  
C=curved version



SC140/SC140C

mm		
140	10 SC140	
140	10 SC140C	

Electrician scissors, strong model



SC150NG

mm		
152	10 SC150NG	

Forceps



2705R

mm		
160	1 2705R	

## KNIVES

ERGO™ retractable utility knife

ergo®



KERU01

mm	mm		
126	26	5 KERU-01	

ERGO™ fixed utility knife

ergo®



KEFU-01

mm	mm		
161	26	5 KEFU-01	

ERGO™ 18mm snap off knife

ergo®



KE18-01

mm	mm	
161	26	5 KE18-01

Retractable utility knife



KGRU-02

mm	mm	
150	21	5 KGRU-02

Fixed utility knife



KBFU-01

mm	mm	
160	24	5 KBFU-01

Retractable utility knife



KBRU-01

mm	mm	
160	23	5 KBRU-01

Mini retractable knife



KMU-01

mm	mm	
88	13	5 KMU-01

Fixed utility knife



KGFU-01

mm	mm	
150	22	5 KGFU-01

Retractable utility knife



KGRU-01

mm	mm	
150	22	5 KGRU-01

Squeeze knife



SQZ150003

		6 SQZ150003

Twin blade sports knife



KBTU-01

mm	mm	
170	20	5 KBTU-01



Sports knife





KBSK-01

mm	mm		
148	14	5	KBSK-01

Utility knife blades



KBGU

mm	mm		
60	19	100	KBGU-100P
60	19	20	KBGU-10P
60	19	20	KBGU-5P

Spare blades



SQZ150003-SBL

pcs		
12	1	SQZ150003-SBL

Sports utility knife



KBSU-01

mm	mm		
170	13	5	KBSU-01

Utility knife blades hook



KBGH-5P

mm	mm		
48	19	20	KBGH-5P

Spare blades



SQZ150003-HSBL

pcs		
12	6	SQZ150003-HSBL

Sports utility knife





KGSU-01

mm	mm		
148	16	5	KGSU-01

Utility knife blades safety



KBGR-5P

mm	mm		
55	19	20	KBGR-5P

9 mm snap off knife



KB09-01

mm	mm		
140	12	5	KB09-01

18 mm snap off knife



KB18-01

mm	mm		
161	24	5	KB18-01

Snap off blades



KSBG18



KSBG09

KSBG

mm	mm		
9	85	60	KSBG09-10P
18	110	20	KSBG18-10P

Electricians knife



2820EK

mm		
200	10	2820EK

9 mm snap off knife



KG09-01

mm	mm		
140	12	5	KG09-01
140	12	10	KG09-01-3P

Electricians knife, folding, wooden handle



Non snap blades



KUBG18



KUBG09

KUBG

mm	mm		
9	85	60	KUBG09-5P
18	110	20	KUBG18-5P

2820EF1

mm		
200	12	2820EF1

18 mm snap off knife



KG18-01

mm	mm		
160	24	5	KG18-01

Electricians knife, folding, plastic handle



2820EF2

mm		
200	12	2820EF2

Electricians knife, folding, plastic handle



2820EF3

mm



170

1 2820EF3

Electricians knife, folding, plastic handle  
2 blades



2820EF4

mm



180

1 2820EF4

Robust knife with a solid stainless steel blade for  
multipurpose use



1446

mm/mm



220/100

15 1446

Knife



2444

mm/mm



220/102

15 2444

Knife  
SB = retail packed



SB-2444

mm



220/102

1 SB-2444

Robust knife with a solid stainless steel blade for  
multipurpose use



2446

mm/mm



220/100

15 2446

Multitool



MTT151



6 MTT151

Pruning knife



K-AP-1

cm



17,8

10 K-AP-1

Pruning knife



K-GP-1

cm



17,1

10 K-GP-1





## Drills

# DRILLS FOR WOOD

## Flat bit



### 9529

Ø mm		
6	10	9529-6
8	10	9529-8
10	10	9529-10
12	10	9529-12
13	10	9529-13
14	10	9529-14
16	10	9529-16
17	10	9529-17
18	10	9529-18
19	10	9529-19
20	10	9529-20
22	10	9529-22
24	10	9529-24
25	10	9529-25
26	10	9529-26
28	10	9529-28
30	10	9529-30
32	10	9529-32
35	10	9529-35
38	10	9529-38
40	10	9529-40

## 8 pcs flat bit set 13, 16, 18, 20, 22, 25, 32, 38 mm



### SB-9529/S8

pcs		
5		SB-9529/S8

9529  
13, 16, 18, 20, 22, 25, 32, 38 mm

## Flat bit, long



### 9531

Ø mm		
6	10	9531-6-CA
8	10	9531-8-CA
10	10	9531-10-CA
12	10	9531-12-CA
13	10	9531-13-CA
14	10	9531-14-CA
16	10	9531-16-CA
18	10	9531-18-CA
19	10	9531-19-CA
20	10	9531-20-CA
22	10	9531-22-CA
24	10	9531-24-CA
25	10	9531-25-CA
28	10	9531-28-CA
30	10	9531-30-CA
32	10	9531-32-CA
35	10	9531-35-CA
38	10	9531-38-CA

## Extension shaft 330 mm



### 9525

mm/length		
14-19 / 330	1	9525-7
20-32 / 330	1	9525-10

## Auger bit - wood



### 9526

Ø mm		
6	25	9526-6
7	25	9526-7
8	25	9526-8
10	25	9526-10
11	16	9526-11
12	16	9526-12
13	16	9526-13
14	16	9526-14
15	16	9526-15
16	16	9526-16

Ø mm		
17	18	9526-17
18	18	9526-18
19	18	9526-19
20	18	9526-20
22	18	9526-22
24	14	9526-24
25	14	9526-25
26	14	9526-26
28	14	9526-28
30	14	9526-30
32	14	9526-32
35	14	9526-35
38	1	9526-38

## 6 pcs auger bit set 10, 13, 16, 19, 22, 25 mm



### SB-9526/S6

10		SB-9526/S6

9526  
10, 13, 16, 19, 22, 25 mm

## Auger bit, long - wood



### 9527

Ø mm		
6	18	9527-6-CA
8	18	9527-8-CA
10	18	9527-10-CA
12	18	9527-12-CA
13	18	9527-13-CA
14	18	9527-14-CA
16	18	9527-16-CA
18	20	9527-18-CA
19	20	9527-19-CA
20	20	9527-20-CA
22	20	9527-22-CA
24	1	9527-24-CA
25	1	9527-25-CA
26	1	9527-26-CA
28	1	9527-28-CA
32	1	9527-32-CA



## Lip and spur for wood



### 460

Ø mm		
3	1	460-3-CA
4	1	460-4-CA
5	1	460-5-CA
6	1	460-6-CA
7	1	460-7-CA
8	1	460-8-CA
9	1	460-9-CA
10	1	460-10-CA
11	1	460-11-CA
12	1	460-12-CA
13	1	460-13-CA
14	1	460-14-CA
15	1	460-15-CA
16	1	460-16-CA
18	1	460-18-CA
20	1	460-20-CA

## Lip and spur drill set for wood



### 460-PB-1

### 460-PB

	1	460-PB-1
	1	460-PB-2

#### 460-PB-1

4, 5, 6, 8, 10mm

#### 460-PB-2

3, 4, 5, 6, 7, 8, 9, 10mm

## Expansive bit



### 9528

Ø mm			
15-45x120	10	9528-MD-15-45	
22-76x170	10	9528-MD-22-76	

## MASONRY DRILLS

### Masonry drill



### 463

Ø mm		
3X60	1	463-3-60
3,5X60	1	463-3,5-60
4X75	1	463-4-75
4,5X85	1	463-4,5-85
5X85	1	463-5-85
5,5X85	1	463-5,5-85
6x100	1	463-6-100
6,5x100	1	463-6,5-100
7X100	1	463-7-100
8x120	1	463-8-120
9X120	1	463-9-120
10x120	1	463-10-120
11X150	1	463-11-150
12x150	1	463-12-150
13X150	1	463-13-150
14x150	1	463-14-150
15X150	1	463-15-150
16x150	1	463-16-150
18x160	1	463-18-160
20x160	1	463-20-160
22X160	1	463-22-160
25X160	1	463-25-160

### Masonry drill



### 464

Ø mm		
4X75	1	464-4-75
5X85	1	464-5-85
5,5X85	5	464-5,5-85

Ø mm		
6X100	1	464-6-100
6,5X100	1	464-6,5-100
7X100	1	464-7-100
8X120	1	464-8-120
9X120	1	464-9-120
10X120	1	464-10-120
12X150	1	464-12-150
14X150	1	464-14-150
16X150	1	464-16-150

## Masonry drill - long



### 463-L

mm		
6x200	1	463-6-200
6,5x400	1	463-6,5-400
8x200	1	463-8-200
8x400	1	463-8-400
10x200	1	463-10-200
10x400	1	463-10-400
12x200	1	463-12-200
12x400	1	463-12-400
14x400	1	463-14-400
16x400	1	463-16-400
18x400	1	463-18-400
20x400	1	463-20-400

## Masonry drill set



### 463-PB

	1	463-PB
--	---	--------

#### 463-PB

4, 5, 5, 6, 8, 10 mm

## Masonry drill set



464-PB



1 464-PB-1

464-PB-1

4, 6, 8, 10 mm

## MASONRY DRILLS AND HSS DRILLS

### Twist, masonry and HSS drill set



466-COMBI



1 466-COMBI

466-COMBI

441-5, 441-6, 441-8, 463-5, 463-6, 463-8, 460-5, 460-6, 460-8

## HSS DRILLS

### HSS drill



441

Ø mm



1	5	441-1.0-CA
1,5	1	441-1.5-CA
2	1	441-2.0-CA
2,5	1	441-2.5-CA
3	1	441-3.0-CA
3,2	5	441-3.2-CA
3,3	5	441-3.3-P-CA
3,3	5	441-3.3-CA
3,5	1	441-3.5-CA
4	1	441-4.0-CA
4,1	5	441-4.1-P-CA
4,2	5	441-4.2-CA
4,5	1	441-4.5-CA
4,8	5	441-4.8-CA
5	1	441-5.0-CA
5,5	1	441-5.5-CA
6	1	441-6.0-CA
6,5	1	441-6.5-CA
6,8	5	441-6.8-CA
7	1	441-7.0-CA
7,5	5	441-7.5-CA
8	1	441-8.0-CA
8,5	5	441-8.5-CA
9	1	441-9.0-CA
9,5	5	441-9.5-CA
10	1	441-10.0-CA
10,5	5	441-10.5-CA
11	5	441-11.0-CA
11,5	5	441-11.5-CA
12	1	441-12.0-CA
12,5	1	441-12.5-CA
13	5	441-13.0-CA
14	5	441-14.0-CA

### High-speed steel drill, industrial box qty



451

Ø mm



1	10	451-1-10
1,5	10	451-1,5-10
2	10	451-2-10
2,5	10	451-2,5-10
3	10	451-3-10
3,2	10	451-3,2-10
3,5	10	451-3,5-10
3,8	10	451-3,8-10
4	10	451-4-10
4,2	10	451-4,2-10
4,5	10	451-4,5-10
4,8	10	451-4,8-10
5	10	451-5-10

Ø mm



5,5	10	451-5,5-10
6	10	451-6-10
6,5	10	451-6,5-10
7	10	451-7-10
7,5	10	451-7,5-10
8	10	451-8-10
8,5	10	451-8,5-10
9	10	451-9-10
9,5	10	451-9,5-10
10	10	451-10-10
10,2	10	451-10,2-10
10	5	451-10,5-5
11	5	451-11-5
11,5	5	451-11,5-5
12	5	451-12-5
12,5	5	451-12,5-5
13	5	451-13-5
13,5	5	451-13,5-5
14	5	451-14-5
16	2	451-16-2
18	2	451-18-2
20	2	451-20-2

### High speed steel drill set

MB=metal box



451-PB-1

451/



1	451-PB-1
1	451-PB-2
1	451-MB-1
1	451-MB-2
1	451-MB-3

451-PB-1

2, 3, 4, 5, 6, 8mm \* 1.0mm

451-PB-2

2, 2,5, 3, 3,5, 4, 4,5, 5, 5,5, 6, 6,5, 7, 7,5, 8mm \* 0,5mm

451-MB-1

1, 1,5, 2, 2,5, 3, 3,5, 4, 4,5, 5, 5,5, 6, 6,5, 7mm \* 0,5mm

451-MB-2

1, 1,5, 2, 2,5, 3, 3,5, 4, 4,5, 5, 5,5, 6, 6,5, 7, 7,5, 8, 8,5, 9, 9,5, 10mm \* 0,5mm

451-MB-3

1, 1,5, 2, 2,5, 3, 3,5, 4, 4,5, 5, 5,5, 6, 6,5, 7, 7,5, 8, 8,5, 9, 9,5, 10, 10,5, 11, 11,5, 12, 12,5, 13mm \* 0,5mm

## STEP DRILLS

Step drill, 4 to 12 mm



228-SD

Dimension	Shank		
4-12 / 1 mm	6 mm 1/4"	24	228-SD

Step drill, 4 to 22 mm



229-SD

Dimension	Shank		
4-22 / 2 mm	10mm 3/8	24	229-SD

Step drill bit 13 steps



230-SD

Dimension	Shank		
5 - 35 mm	12.7mm 1/2"	1	230-SD

Step drill, 6 to 37 mm



232-SD

Dimension	Shank		
6 -> 37	10	1	232-SD

Step drill, 6.5 to 40.5 mm



234-SD

Dim. mm	Shank mm "		
6.5-40.5	10	1	234-SD

Step drill set HSS 4-35 mm

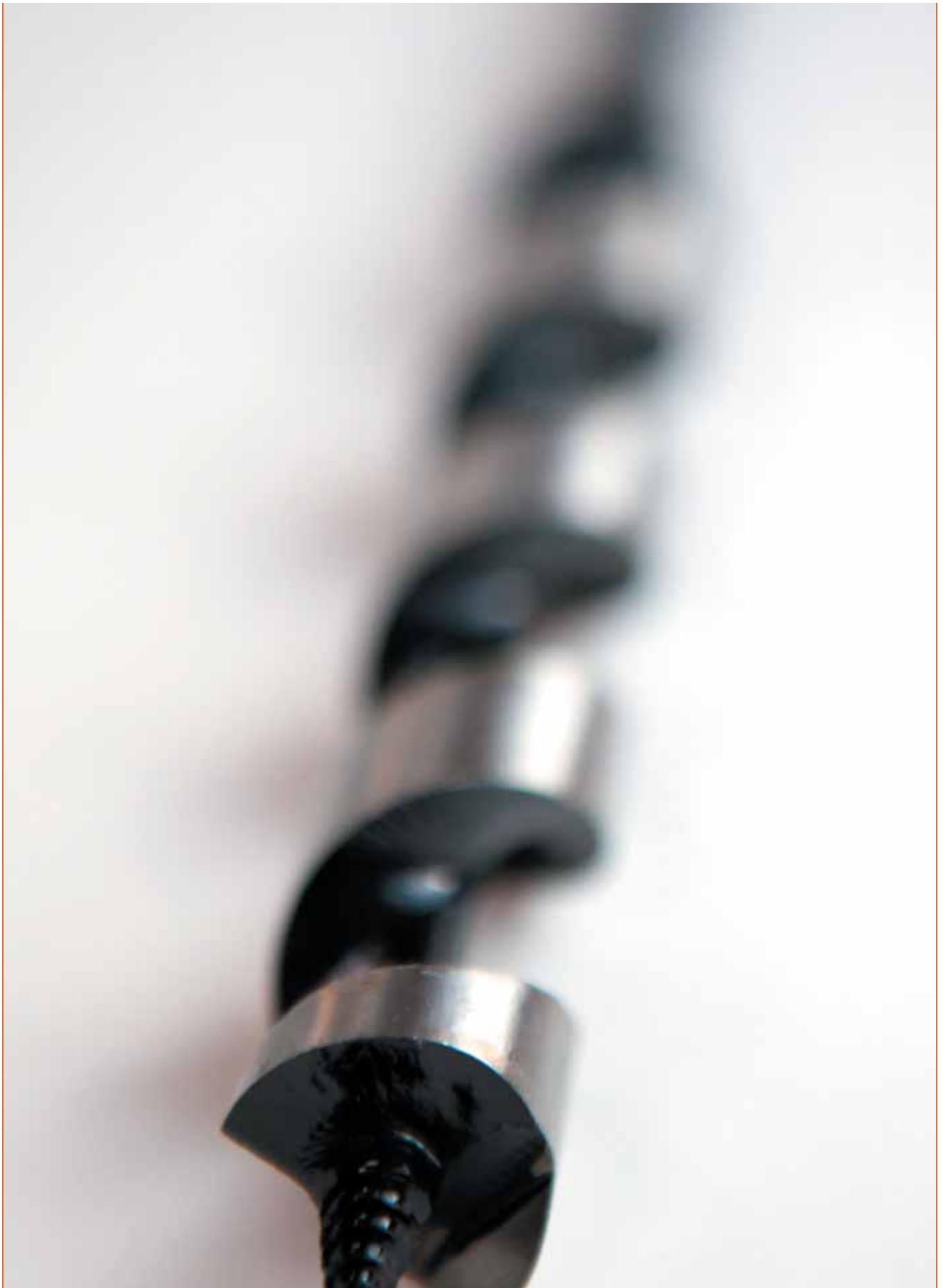


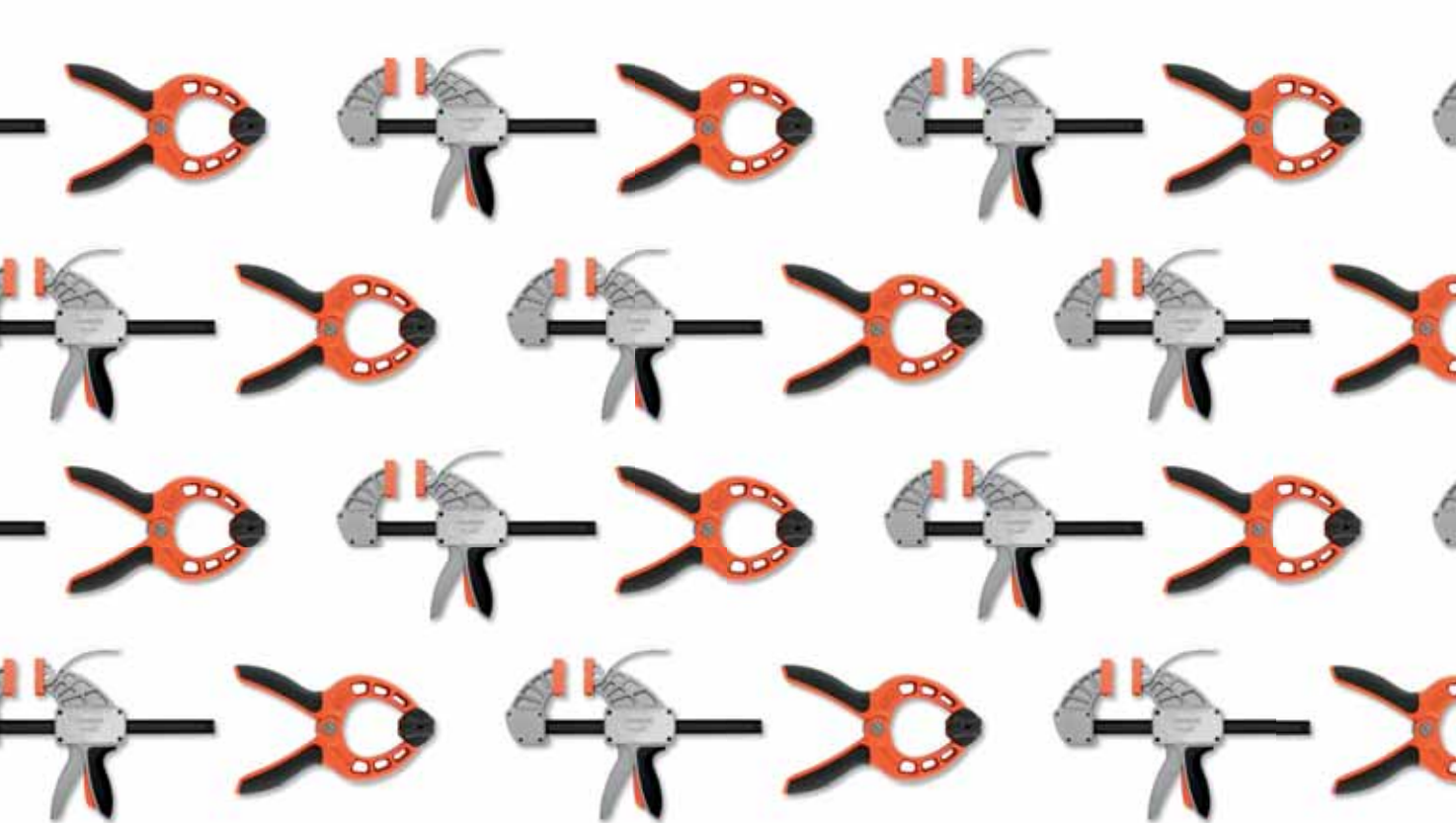
228-SET

mm		
	1	228-SET-SD

228-SD  
4-12/1, 4-22/2, 5-35/2







## Clamping tools

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## CLAMPS

### Quick clamp



#### QCS

mm			
150	6	QCS-150	
300	6	QCS-300	

### Quick clamp



#### QCB

mm			
150	6	QCB-150	
300	6	QCB-300	
450	6	QCB-450	
600	4	QCB-600	
900	4	QCB-900	
1250	8	QCB-1250	

### Quick clamp



#### QCG

mm			
150	6	QCG-150	
300	12	QCG-300	

### Replacable pads for QCS & QCB



#### QC-PAD

Fit			
QCS & QCB	10	QC-PAD-M	
QCS & QCB	10	QC-PAD-S	

### Clamp



#### 420

mm			
100x50	10	420-50-100	
200x50	10	420-50-200	
120x60	5	420-60-120	
300x60	5	420-60-300	
160x80	10	420-80-160	
200x100	10	420-100-200	
250x120	10	420-120-250	
300x120	10	420-120-300	
400x120	10	420-120-400	
500x120	10	420-120-500	
600x120	5	420-120-600	
800x120	5	420-120-800	
1000x120	5	420-120-1000	
1250x120	1	420-120-1250	
1500x120	1	420-120-1500	
400x140	5	420-140-400	
400x175	10	420-175-400	

### Clamp



#### 3064

mm	mm		
120	300	5	306403000
120	400	5	306404000

mm	mm		
120	500	5	306405000
120	600	5	306406000
120	800	5	306408000

### Clamp



#### 3066

mm	mm		
90	150	5	306601500
90	200	5	306602000
90	250	5	306602500
90	300	5	306603000
90	400	5	306604000

### Clamp



#### 3067

mm	mm		
120	250	5	306702500
120	300	5	306703000
120	500	5	306703500
120	400	5	306704000
120	500	5	306705000
120	600	5	306706000
120	700	1	306707000
120	800	5	306708000
120	1000	5	306710000
120	1200	2	306712000
120	1500	2	306715000



## Clamp



3068

mm	mm		
150	300	5	306803000
150	350	5	306803500
150	400	5	306804000
150	500	2	306805000
150	600	2	306806000
150	700	2	306807000
150	800	2	306808000
150	900	2	306809000
150	1000	2	306810000
150	1200	2	306812000
150	1500	1	306815000
150	2000	1	306820000

## Clamp



3069

mm	mm		
220	300	2	306903000
220	400	2	306904000
220	500	2	306905000
220	600	2	306906000
220	700	2	306907000
220	800	2	306908000
220	1000	2	306910000

## Spare heads



3079

mm	mm		
12	14.5	1	307900020

## Spring clamp



420SC

mm		
25	10	420SC-25
50	5	420SC-50

## ROOFING CLAMP

### Lath ko



450-80/450-130

mm	mm		
720	25-130	8	450-130
473	25-455	6	450-80

## BENCH VICES

### Bench vices, square guide



834V

mm		
100	1	834V-4
125	1	834V-5
150	1	834V-6
175	1	834V-7

Slide adjustment screw to regulate the looseness

### Bench vices, square guide



6072

mm		
100	1	607201000
125	1	607201250
150	1	607201500
175	1	607201750

### Bench vices, round guide



6010

mm		
80	1	601000800
100	1	601001000
125	1	601001250
150	1	601001500

### Table vice



834V-2

mm		
63	1	834V-2

Vice bases for 834V



833SB

6072/834V	6010	
100	80	1 833SB-4
125	100	1 833SB-5
150	125	1 833SB-6
175	150	1 833SB-7

Pipe jaws set for 834V



833P

1 833PJ-4
1 833PJ-5
1 833PJ-67

Spare jaws and screws for vice 6072



6072M

mm	
100	1 6072M1000
125	1 6010M1250
150	1 6072M1500
175	1 6072M1750

Spare spindle for vices 6072



6070H

mm	
100	1 6070H1000
125	1 6070H1250
150	1 6070H1500
175	1 6070H1750

Spare jaws for vice 6010



6010M

mm	
80	1 6010M0800
100	1 6010M1000
125	1 6010M1250
150	1 6010M1500

Spare spindle and bolt for vice 6010



6010H

mm	
80	1 6010H0800
100	1 6010H1000
125	1 6010H1250
150	1 6010H1500

Spare jaws and spindle for table vice 834V-2



6040M/H

jaws mm	spindle mm	
63		1 6040M0630
	63	1 6040H0630

Aluminium jaws



833AJ

mm	
100	1 833AJ-4
125	1 833AJ-5
150	1 833AJ-6

Fibre jaws



833FJ

mm	
100	1 833FJ-4
125	1 833FJ-5
150	1 833FJ-6



## Striking tools

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## WOODWORKING AND CONSTRUCTION HAMMERS

ERGO™ hammer

ergo®



529

Head weight	
450	4 529-16-L
450	4 529-16-XL
570	4 529-20-L
570	4 529-20-XL

Claw hammer



429

g	
230	4 429-8
370	4 429-13
450	4 429-16
570	4 429-20

Warrington hammer



480

g	
230	4 480-8
280	4 480-10
340	4 480-12
400	4 480-14

Claw hammer



427

g	
450	4 427-16
570	4 427-20

Club hammer



407

g	
700	6 407007000
1000	4 407010000
1250	4 407013000

Joiners hammer



483

g	
100	6 483-16
160	6 483-20
200	6 483-22
300	6 483-25
400	6 483-28
500	6 483-30

Claw hammer



428

g	
370	4 428-13
450	4 428-16
570	4 428-20

Carpenter's hammer



485

g	
600	4 485

Compact nail puller with internal spring



36

mm	
220	5 36

Nail puller



38

mm	
450	1 38

**METAL WORKING AND INDUSTRIAL HAMMERS**

Club hammer



484

g	
1000	6 484-1000
1250	6 484-1250
1500	6 484-1500
2000	6 484-2000

Bricklayer's hammer



486

g	
600	4 486

Hatchet



494

g	
600	4 494-600

Dead blow hammer



3625PU

g	
400	12 3625PU-30
800	6 3625PU-50
1270	6 3625PU-60

Dead blow sledge hammer



3625PU-105

kg	
5.97	1 3625PU-105

Safety sledge hammer



489

head weight	
1100	1 489-1100
1800	1 489-1800
2700	1 489-2700
3600	1 489-3600
4500	1 489-4500
5400	1 489-5400

Copper sledge hammer



4130

mm	g	
300	500	6 413005000
300	1000	6 413010000
360	1500	6 413015000
400	2000	6 413020000
700	3000	1 413030000
700	4000	1 413040000

**INSTRUMENT AND WORKSHOP HAMMERS**

German DIN hammer



481

g	
100	6 481-100
200	6 481-200
300	6 481-300
400	6 481-400
500	6 481-500
800	6 481-800
1000	6 481-1000
1500	6 481-1500

Rivoir hammer



482

g		
300	6	482-25
400	4	482-28
500	6	482-30
800	4	482-35
1000	4	482-40
1500	6	482-45

Ball pein hammer



479

g		
230	6	479-08
340	6	479-12
450	6	479-16
800	6	479-24
900	6	479-32

Cross pein pin hammer



490

g		
100	4	490-3.5

Pattern makers hammer



492

g		
100	4	492-3.5

Polyflex plastic hammer  
LY=spare dolleys



3625Y

Ø mm		
22	1	3625Y-22
27	1	3625Y-27
32	1	3625Y-32
35	1	3625Y-35
40	1	3625Y-40
50	1	3625Y-50
60	1	3625Y-60
22	1	3625YL-22
27	1	3625YL-27
32	1	3625YL-32
35	1	3625YL-35
40	1	3625YL-40
50	1	3625YL-50
60	1	3625YL-60

Superflex plastic hammer  
NL=spare polls



3625N

Ø mm		
22	5	3625N-22
27	5	3625N-27
32	5	3625N-32
35	5	3625N-35
40	5	3625N-40
50	1	3625N-50
60	1	3625N-60
22	1	3625NL-22
27	1	3625NL-27
32	1	3625NL-32
35	1	3625NL-35
40	1	3625NL-40
50	1	3625NL-50
60	1	3625NL-60

Non-sparking and anti-magnetic hammer



487

g		
450	1	487-650
1000	1	487-1300
1500	1	487-1800
2000	1	487-2300
4000	1	487-5200
5000	1	487-5900

Rubber mallet



3625RM

mm		
320	1	3625RM-55
340	1	3625RM-65
360	1	3625RM-75
360	1	3625RM-90



Nylon tip mallet  
WL=spare tips, WLH=spare handle



3625W

mm			
150	6	3625W-22	
275	6	3625W-28	
300	1	3625W-35	
360	6	3625W-44	
400	6	3625W-55	
	10	3625WL-22	
	10	3625WL-28	
	10	3625WL-35	
	10	3625WL-44	
	6	3625WL-55	
	5	3625WLH-22	
	5	3625WLH-28	
	5	3625WLH-35	
	5	3625WLH-44	
	5	3625WLH-55	

Nylon tipped hammer - steel shaft



3625S

Dia mm			
28	6	3625S-28	
35	6	3625S-35	
44	6	3625S-44	

Anti-rebound hammer



3625AR

mm	g		
35	500	6	3625AR-35
50	1100	6	3625AR-50
60	1550	6	3625AR-60
35	20	10	3625ARL-35

mm	g		
50	50	10	3625ARL-50
60	90	6	3625ARL-60
35	90	10	3625ARLH-35
50	140	10	3625ARLH-50
60	215	10	3625ARLH-60

## AXES, MAULS AND WEDGES

Camping axe



HUS

mm			
380	4	HUS-0.6-380	
500	4	HUS-0.8-500	

Camping axe



HGPS

mm			
360	4	HGPS-0.6-360	
380	4	HGPS-0.8-380	
400	4	HGPS-1.0-400	

General purpose axe



HFGPS

mm			
430	4	HFGPS-0,7-400FG	

Camping axe



HUS-1.0-650

mm			
650	4	HUS-1.0-650	

Felling axe



FGS

mm			
600	4	FGS-1.0-600	
700	4	FGS-1.25-700	

Felling axe



FGS-810

mm			
800	4	FGS-1.6-810	
800	4	FGS-1.8-810	

Felling axe, hickory handle



FCP

mm			
800	4	FCP-1.8-810	
850	2	FCP-2.3-860	

### Felling axe



#### FFSS

mm	
900	4 FFSS-1.5-900FG

### Splitting axe



#### SUS

mm	
800	4 SUS-2.0-800

### Splitting axe, hickory handle



#### MCP

mm	
800	2 MCP-2.5-810

### Splitting axe



#### LS/MES

mm	
900	2 LS-MERLIN-2.5
900	2 LS-MERLIN-2.5FG
900	2 MES-3.0-900

### Splitting axe



#### MES

mm	
900	2 MES-3.5-900
900	2 MES-3.5-900FG

### Maul



#### LS-MASSE

mm	kg	
900	4.8	2 LS-MASSE-4FG
900	4.3	2 LS-MASSE-4

### Maul/sledge



#### LS-MASSE-TR

mm	
900	2 LS-MASSE-TR-4FG

### Spare handle axes



#### SH

mm	TYPE	
800	FCP-1.8-810	1 SH-FCS-810
850	FCS-2.0-900	1 SH-FCS-860
600	FGS-1.0-600	1 SH-FGS-600
700	FGS-125-700	12 SH-FGS-700
800	FGS-1.6-810	1 SH-FGS-800
400	HFGPS-0.7	1 SH-HFGPS-400FG
400	HGPS-1-400	1 SH-HGPS-400
900	LS-MASSE-4	1 SH-MES-F-900
360	HGPS-06-360	12 SH-HGPS-360
380	HGPS-08-380	12 SH-HGPS-380
380	HUS-0.6-380	1 SH-HUS-380
500	HUS-0.8-500	1 SH-HUS-500
650	HUS-1.0-650	1 SH-HUS-650
900	MES-3.5-900	1 SH-MES-900
900	MES-35-900F	1 SH-MES-900FG
800	SUS-2.0-800	1 SH-SUS-800
800	MCP-2.5-810	1 SH-MCS-800
920	PAGS-2.0-900FG	1 SH-PAGS-900FG

### Splitting wedges



#### WT

cm	
22	4 W-T-2.0

### Traditional steel wedges



#### WS

cm	
23	4 W-S-1.5
25	4 W-S-2.0
26	4 W-S-2.5

## Felling wedges



### LS-COIN

cm	
19	4 LS-COIN 19 CM

## Pick axe



### PAGS-2.0-900FG

mm	
900	2 PAGS-2.0-900FG

## Pick axe heads



### PAGS

6	PAGS-2.0
6	PAGS-2.5
6	PAGS-3.0

## Spare handles for pick axes



### SH-PAGS

mm	
900	1 SH-PAGS-900
920	1 SH-PAGS-900FG

## COLD CHISELS

### Flat chisels



### 3740

mm	
100	5 3740-100
125	5 3740-125
150	5 3740-150
175	5 3740-175
200	5 3740-200
250	5 3740-250
300	5 3740-300

### Flat chisels



### SB-3740

mm	
125	5 SB-3740-125
150	5 SB-3740-150
175	5 SB-3740-175
200	5 SB-3740-200
250	5 SB-3740-250
300	5 SB-3740-300

### Chisel



### 3640

mm	mm	
150	18	6 3640-150-C
175	21	6 3640-175-C
200	22	5 3640-200-C
250	25	6 3640-250-C
300	26	6 3640-300-C

## Chisel set



### 3640/6T

1	3640/6T

### 3640

175, 200, 250 mm

### 3645

150, 200, 250 mm

## Cape chisels



### 3745

mm	
150	5 3745-150
175	5 3745-175
200	5 3745-200
250	5 3745-250

## Cape chisels



### 3645

mm	mm	
150	6.5	5 3645-150-C
200	8.5	6 3645-200-C
250	9.5	6 3645-250-C

### Slitting chisels



3750

mm	
240	5 3750

### Chisel with safety impact head



3750H

mm	
240	1 3750H

### Mason's chisels



3736M

mm	
200	5 3736M-200
250	5 3736M-250
300	5 3736M-300
400	5 3736M-400

### Mason's chisel with safety head impact



3736MH

mm	
250	2 3736MH-250
300	2 3736MH-300
400	2 3736MH-400

### 2-component handle chisel



3654BM

mm	mm	
15	155	5 3654BM-15
20	175	5 3654BM-20

### Mason's chisel set, mixed



3654BMS/7

1	3654BMS/7

<b>3734BM</b>	2, 4, 5, 6 mm	
<b>3654BM</b>	15, 20 mm	
<b>3755BM</b>	6 mm	

### Pointed chisel



3739-250 / -400

mm	
250	5 3739-250
300	5 3739-300
400	5 3739-400

### Pointed chisel with safety impact head



3739H

mm	
250	2 3739H-250
300	2 3739H-300
400	2 3739H-400

### Chisel



8740

A B*H	L	
20 20*10	200	5 874002000
25 25*12	250	5 874002500
26 26*13	300	5 874003000
26 26*13	350	5 874003500
26 26*13	400	5 874004000
26 26*13	500	5 874005000

### Chisel



8741

L	
200	6 874102000
250	5 874102500
300	5 874103000
350	4 874103500
400	5 874104000

### Octagonal pointer



8746

A	L		
14	200	5	874602000
14	250	5	874602500
16	300	5	874603000
16	350	5	874603500
18	400	5	874604000

### Rubber handle



8749

L		
128	1	874900010

### Electrician chisel



8760

A	L		
10	200	10	876002000
10	250	5	876002500

### Builder's chisel



8770

A B*H	L		
26 26*7	240	8	877002400

## PUNCHES

### Centre punches



3735

Ø mm		
4x120	5	3735-4-120
5x120	5	3735-5-120
5x150	5	3735-5-150

### Centre punches with hexagonal shank



3735N

Ø mm		
2x100	10	3735N-2-100
4x120	10	3735N-4-120
5x120	10	3735N-5-120
6x150	10	3735N-6-150
8x150	10	3735N-8-150
2x100	1	SB-3735N-2-100
4x120	1	SB-3735N-4-120
5x120	1	SB-3735N-5-120
6x150	1	SB-3735N-6-150
8x150	1	SB-3735N-8-150

### Automatic centre punch



1157

mm		
2x130	20	1157

### Centre punch set



3735NS/4

Sizes		
50	3735NS/4	

3735N

2,4,6,8 mm

### 2-component handle centre punch



3755BM

mm	mm		
4	155	5	3755BM-4
6	185	5	3755BM-6

### Drift punches



3733

Ø mm		
2-120	5	3733-2
3-120	5	3733-3
4-120	5	3733-4
5-120	5	3733-5
6-120	5	3733-6

Conical punch set: 5pcs



3733S/5



1 3733S/5

3733

2, 4, 6, 8, 10 mm

Drift punches



3734

Ø mm



2-150	5	3734-2
3-150	5	3734-3
4-150	5	3734-4
5-150	5	3734-5
6-150	5	3734-6
8-150	5	3734-8

Drift punches



3734N

Ø mm



2-150	10	3734N-2-150
3-150	10	3734N-3-150
4-150	10	3734N-4-150
5-150	10	3734N-5-150
6-150	10	3734N-6-150
7-150	10	3734N-7-150
8-150	10	3734N-8-150
9-150	10	3734N-9-150
10-150	10	3734N-10-150
2-150	1	SB-3734N-2-150
3-150	1	SB-3734N-3-150
4-150	1	SB-3734N-4-150
5-150	1	SB-3734N-5-150
6-150	1	SB-3734N-6-150
7-150	1	SB-3734N-7-150
8-150	1	SB-3734N-8-150
10-150	1	SB-3734N-10-150

Drift punch set  
9pcs 2-10mm



3734NS/9

mm



2-10 20 3734NS/9

3734N

2,3,4,5,6,7,8,9,10 mm

Bi-material parallel punches



3734BM

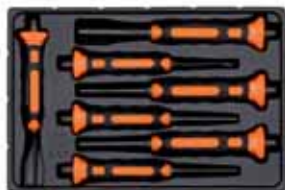
mm

mm



2	155	5	3734BM-2
3	155	5	3734BM-3
4	165	5	3734BM-4
5	165	5	3734BM-5
6	185	5	3734BM-6
8	185	5	3734BM-8
10	185	5	3734BM-10

Bi-material parallel punch set



3734BMS/7



1 3734BMS/7

3734BMS/7

2, 3, 4, 5, 6, 8, 10 mm

Automatic punch



3735-AU

mm



130 1 3735-AU

Nail punches



3732

Ø mm



2x125	1	SB-3732-2-125
2.5x125	1	SB-3732-2.5-125
3.2x125	1	SB-3732-3.2-125
4x125	1	SB-3732-4-125

Set of chisels, 6 pcs



3736S/6



1 3736S/6

3756

125x10x12 mm, 150x12x16 mm

3735

120x10x4

3749

125x10x5

3733

120x10x3; 150x12x4



Set of drift punches



3734S/6

Ø mm	
2-8 x 150	1 3734S/6

3734

Ø 2 3 4 5 6 8 mm

Drift punches with hand protection



3646

Ø mm	
2x115	5 3646-115
3x125	5 3646-125
4x150	5 3646-150
5x165	5 3646-165
6x180	5 3646-180
8x200	5 3646-200

Set of drift punches with hand protection



3658A/6

Ø mm	
2-8x150	1 3658A/6

3658A

2 3 4 5 6 8 mm

Centre punches with hand protection



3643

Ø mm	
3	5 3643-100
4	5 3643-120
5	5 3643-150

Drift punches with hand protection



3658A

Ø mm	
2x150	5 3658A-2
3x150	5 3658A-3
4x150	5 3658A-4
5x150	5 3658A-5
6x150	5 3658A-6
8x150	5 3658A-8

Drift punches with knurled guide sleeve



3659

Ø mm	
0,9	5 3659-0.9
1,4	5 3659-1.4
1,8	5 3659-1.8
2,4	5 3659-2.4
2,8	5 3659-2.8
3,4	5 3659-3.4
3,9	5 3659-3.9
6,0	5 3659-6.0

Drift punches with hand protection



3644

Ø mm	
2x120	5 3644-120
3x125	5 3644-125
4x130	5 3644-130
4x150	5 3644-150
5x165	5 3644-165
6x180	5 3644-180
8x200	5 3644-200

Drift punches with hand protection, tool set



3646/6

Ø mm	
2-8	1 3646/6

3646

2-115, 3-125, 4-150, 5-165, 6-180, 8-200 mm

Set of pin punches



3659/8

Ø mm	
0,9-6,0	1 3659/8

3659

0.9 1.4 1.8 2.4 2.8 3.4 3.9 6.0 mm

Set of 8 punches in plastic wallet



3659/8T

∅ mm



1 3659/8T

3659

0.9 1.4 1.8 2.4 2.8 3.4 3.9 6.0 mm

## SETS

Tool set, 6 pcs



3654R



1 3654R

3656

125 150 mm

3649

125x5 mm

3644

125 150 mm

3643

120x4 mm

Tool set, 10 pcs



3656/10



1 3656/10

3656

125 150 175 mm

3644

120 150 mm

3649

125x5 mm

3643

120x4 mm

3646

125 150 165 mm

## WRECKING BARS

Wrecking bar



4400

∅	mm		
18	500	1	440005000
20	600	1	440006000
20	700	1	440007000
22	800	1	440008000
22	1000	1	440010000
22	1200	1	440012000
22	1500	1	440015000

## MASON'S PIN

Mason's pin



4401

L mm



250

10 440102500

300

10 440103000



## Digging tools

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## SHOVELS

Round mouth shovels



4250

handle type



T	1	4250M0020
T	6	4250M0030
YD	1	4250A0030

Square mouth shovels



4255

handle type



T	6	4255M0020
T	1	4255M0030
YD	6	4255A0020
YD	6	4255A0030

## SPARE PARTS

Wooden handle for shovels



4250M

mm



690/ T	6	4250MM000
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## HOES

Concrete spreader



4300



6	430002600
6	430000000

## RAKES

Rake, 5 prongs



4280



6	428005200
1	428000000

## SMALL GARDEN TOOLS

Hoe



P262

length mm



315	10	P262
-----	----	------

Trowel



P263

length mm



370	10	P263
-----	----	------

Cultivator



P264

length mm



315	10	P264
-----	----	------

Rake



P266

length mm



320	10	P266
-----	----	------

Two point hoe



P267

length mm



315	10	P267
-----	----	------

One point hoe



P268

length mm



325

10 P268

Bulb planter



P241



5 P241

Border rake



P276

length mm



440

5 P276

Daisy grubber



P269

length mm



315

10 P269

Border hoe



P272

length mm



430

5 P272

Two point hoe



P277

length mm



435

5 P277

Weeding fork



P270

length mm



300

10 P270

Border cultivator



P274

length mm



455

5 P274

One point hoe



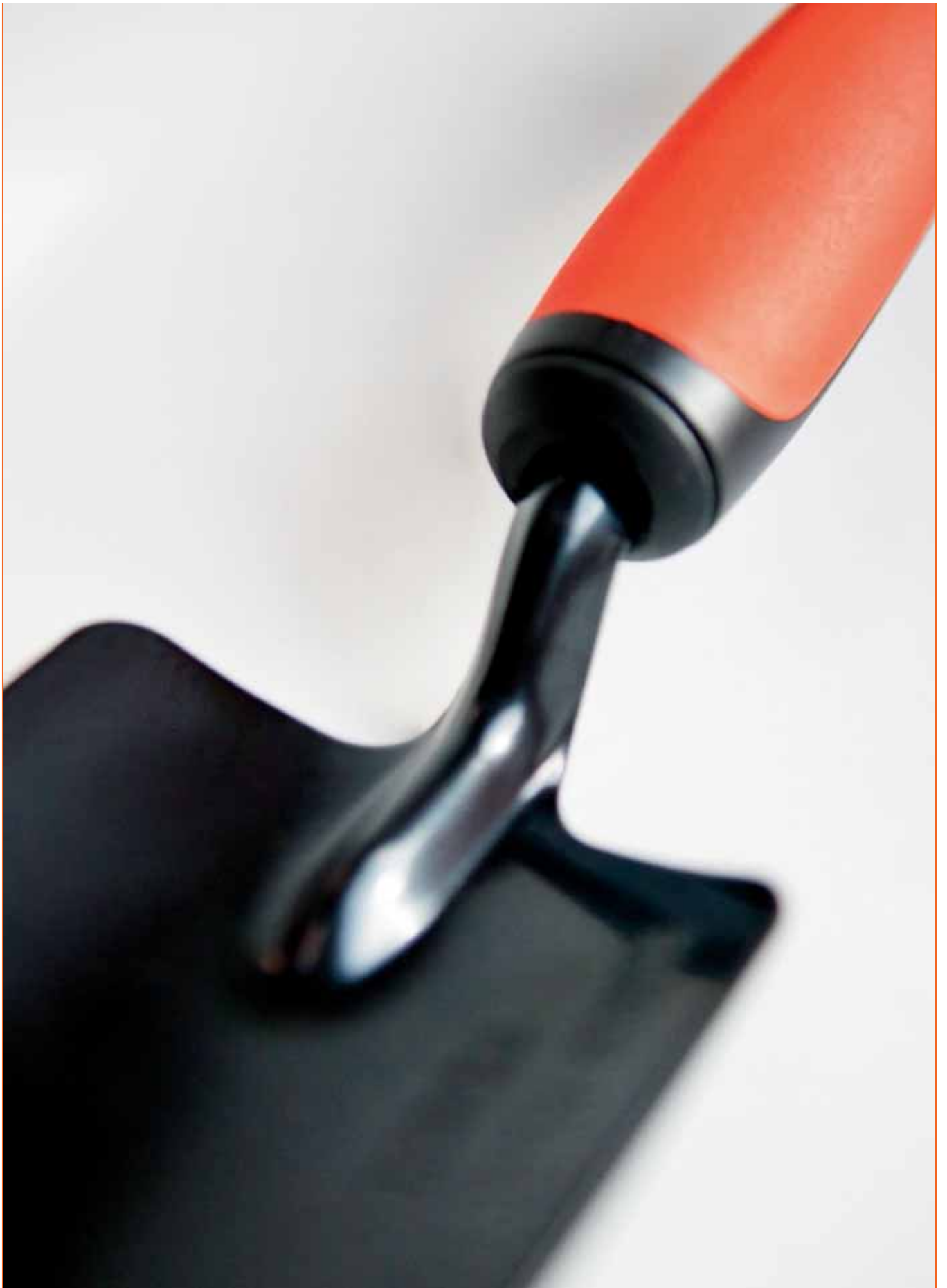
P278

length mm



435

5 P278







## Pruning tools

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# SECATEURS

ERGO™ secateurs with fixed handles



PX

Ø mm		
20	2	PX-S1
20	2	PX-S2
20	2	PX-M1
20	2	PX-M2
20	2	PX-M2-L
30	2	PX-M3
20	2	PX-L2
30	2	PX-L3



Pre-assembled cutting head for PX-PXR



R801P-R804P

Head size		
N°1	1	R801P
N°2	1	R802P
N°3	1	R803P
N° M2 - L	1	R804P

Spare cutting blade



R211P/R300P/R500P/R600P

Head size		
N°2	30	R211P
N°2	80	R211P-BULK80
N°1	1	R300P
N°3	40	R500P
N° M2 - L	1	R600P

Spare counter blade for PX/PXR



R303P-R603P

Head size		
N°1	1	R303P
N°2	1	R403P
N°3	1	R503P
N° M2 - L	1	R603P

Spare pair of handles for PX and PXR secateur  
Supplied with spring



R811P-RT824P

Handle size		
S	1	R811P
M	1	R812P
L	1	R813P
M	1	R815P
S	1	RT821P
M	6	RT822P
L	1	RT823P
N° M2 - L	1	RT824P

Spare centre bolt for ERGO™ secateur



R900P

	1	R900P

Spare centre bolt locking system



R901P

	30	R901P

PXR

Ø mm		
15	2	PXR-S1
20	2	PXR-S2
15	2	PXR-M1
20	2	PXR-M2
20	2	PXR-M2-L
30	2	PXR-M3
	2	PXR-L1
20	2	PXR-L2



Set with 4 spare handle screws for PX/PXR



R902P



1 R902P

2 Spare buffers for PX/PXR



R903P/R1269P



1 R903P  
50 R1269P-BULK50

Spare locking device for PX/PXR



R904P



1 R904P

Spare spring



R905P-R907P



1 R905P  
50 R905P-BULK50  
12 R906P  
50 R906P-BULK50  
1 R907P

ERGO™ secateurs with fixed handle

ergo®



PG-S/M/L

Ø mm



15	2	PG-S1-F
20	2	PG-M2-F
20	2	PG-L2-F

ERGO™ secateurs with rotating handle

ergo®



PG-R-M

Ø mm



20	2	PG-R-M2-F
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Secateur for home owners, left & right handed



PG-01-F/PG-03-L

Ø mm



12-20	6	PG-01-F
12-20	6	PG-03-L

Secateur, forged



P3

cm/Ø mm



20/20	2	P3-20-F
23/25	2	P3-23-F

Secateur



P110

cm/Ø mm



20/20	2	P110-20-F
23/25	2	P110-23-F

Anvil secateur



P138

cm/Ø mm



22/20	6	P138-22-F
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Secateur



P64

cm/Ø mm		
21/ 12	6	P64-20
21/ 12	12	P64-20-BULK12

Secateur



P121

cm/Ømm		
18/15	6	P121-18-F
20/20	6	P121-20-F
23/25	6	P121-23-F

Secateur



P126

cm/Ø mm		
19/15	6	P126-19-F
22/20	6	P126-22-F

Secateur



PG-12-F

cm/Ø mm		
21/ 20	6	PG-12-F

Secateur, composite handles



P1

cm/Ømm		
20/20	5	P1-20
23/20	5	P1-23

Secateur



P108

cm/Ømm		
20/20	2	P108-20-F
23/25	2	P108-23-F

Secateur, forged



P5

cm/Ømm		
20/20	2	P5-20-F
23/25	2	P5-23-F

Aluminium anvil with rivet



R221P

Replacement		
P138-22	1	R221P
P138-22	50	R221P-BULK50

Spare cutting blade for P1 & P2



R201P/R171P

Replacement		
P1-22,P2-22	30	R201P
P1-22,P2-22	80	R201P-BULK80
P6-20,P7-20	1	R171P

Spare cutting blade for secateurs and top pruner



R112PG-R124PG/R223P

Replacement	Replacement		
P3-20,P5-20		1	R112PG
P108,P110		30	R114PG
P3-23,P5-23		30	R122PG
P108/P110	P134/P34	30	R124PG
P138-22		1	R223P
P138-22		80	R223P-BULK80

Spare counter blade for secateurs



R202P/R271P

Replacement			
P1-22,P2-22	1	R202P	
P6-20,P7-20	1	R271P	

Spare centre bolt and nut for secateurs



R239P/R141P/R142P

Replacement			
P1,P2,P6,P7	24	R239P	
P64-20	1	R141P	
P3/P5/P108	24	R142P	

Spare counterblade and pin  
For hand and top pruners



R113PG/R123PG

Secateur			
P108,110-20	1	R113PG	
P108,110-23	1	R123PG	

Spare closing springs



R341P/R474P

Replacement			
P3	12	R341P	
P5-108-110	30	R474P	

Spare springs for secateurs



R438P/R463P

replacement			
P121-23	1	R463P	
P138-22	1	R438P	
P138-22	50	R438P-BULK50	

Spare spring and buffer for secateur



R1069P

Replacement			
P1,P2,P6,P7	12	R1069P	

Spare spring, buffer and buffer cup



R1068

Replacement			
P3/P5/P108	1	R1068	

Spare parts for re-designed P5-20/P5-23



R1080P

Replacement			
P5-20/23	1	R1080P	

Set of spare handle screws, nut and closing button



R1601

Replacement			
P1,P2,P6,P7	1	R1601	

Locking device with screw and nut



R478P/R480P

Replacement		
P108	1	R478P
P5	1	R480P

## SNIPS

Snip



P123

Ø mm		
10	15	P123-19-BULK15
10	30	P123-19-BULK30
10	56	P123-19-BULK56

Snip



P127

Ø mm		
6	30	P127-19-BULK30

Snip



P128

Ø mm		
5	6	P128-19
5	30	P128-19-BULK30

Snip



P129

Ø mm		
6	30	P129-19-BULK30

Spare springs with buffers  
P123/P127/P128/P129



R1071/R1075

	14	R1071
	50	R1075-BULK50

## POWER TOOLS

Electric secateur



9320

Ø mm	Performance	
30	90 W	1 9320

Pneumatic secateur



9210

Ø mm		
30	1	9210

Blade for pneumatic secateur



9210-1

Pieces		
1	1	9210-1



Cutting head for pneumatic secateur



9210-10

Pieces	
1	1 9210-10

Piston seal



9210-1230235

Pieces	
10	1 9210-1230235

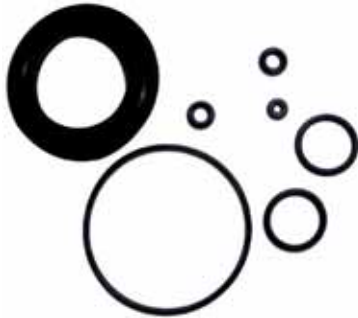
Return spring



9210-1640142

Pieces	
10	1 9210-1640142

O-rings



9210-20

Pieces	
1	1 9210-20

Piston disk for 9210



9210-1690148

Pieces	
1	1 9210-1690148

Connecting rod



9210-1700118

Pieces	
1	1 9210-1700118

Brass sleeve



9210-1720100

Pieces	
10	1 9210-1720100

Shock absorber



9210-1730107

Pieces	
10	10 9210-1730107

Rivet



9210-1770106

Pieces	
40	10 9210-1770106

Dust protection seal



9210-1230219

Pieces	
10	20 9210-1230219

Secateur body



9210-1710266

Pieces	
1	1 9210-1710266

LOPPERS

Super light lopper



P114-SL

cm/Ø mm	
40/ 30	2 P114-SL-40
50/ 30	2 P114-SL-50
60/ 30	2 P114-SL-60

Self tapping screw



9210-1060238

Pieces	
15	20 9210-1060238

Screw TCCE



9210-1060177

Pieces	
10	1 9210-1060177

Super light lopper



P116-SL

cm/Ø mm	
40/ 30	2 P116-SL-40
50/ 30	2 P116-SL-50
60/ 30	2 P116-SL-60
70/ 30	2 P116-SL-70

Front cover



9210-1830137

Pieces	
10	1 9210-1830137

Hand guard



9210-1320281

Pieces	
10	10 9210-1320281

Orchard lopper



P160-SL

cm/Ø mm	
60/ 45	2 P160-SL-60
75/ 45	1 P160-SL-75
90/ 45	1 P160-SL-90

Lopper



**P19**

cm/Ø mm	
80/50	1 P19-80-F

Lever action bypass lopper



**P280-SL**

cm/Ø mm	
80/ 40	2 P280-SL-80

Lever action anvil lopper



**P172-SL**

cm/Ø mm	
85/ 40	1 P172-SL-85

Vineyard lopper



**P214**

cm/Ø mm	
50/35	10 P214-50-BULK
60/35	5 P214-60-BULK5

Expert bypass lopper



**PG-18**

cm/Ø mm	
61/ 25	2 PG-18-60-F
75/ 30	2 PG-18-75-F

Expert short lopper



**PG-18-45**

cm/Ø mm	
45/ 40	2 PG-18-45-F

Expert telescopic bypass lopper



**PG-19**

cm/Ø mm	
70-90/ 40	2 PG-19-F

Expert anvil lopper, telescopic



**PG-17**

cm/Ø mm	
70-90/ 30	2 PG-17-F

Lopper



**P16**

cm/Ø mm	
50/30	2 P16-50-F
60/30	2 P16-60-F

Lopper



**P130-P140**

cm/Ø mm	
70/35	5 P140-70-BULK5
60/35	2 P140-F

Lopper



**PG-22**

cm/Ø mm	
45/ 25	6 PG-22-45-F
65/ 25	6 PG-22-65-F

Spare cutting blade for loppers



R114V-R180V/R16V/R160A/R172A

Replacement		
P14	1	R114V
P280	1	R181P
P14	28	R114V-BULK28
P-SL2, P116	1	R16V
P-SL2, P116	14	R16V-BULK14
P-SL, P114	8	R115V
P-SL, P114	14	R115V-BULK14
P172	1	R172A
P172-SL	1	R380A
P16-40W	1	R116VP
P16	1	R116V
P16	36	R116V-BULK36
P19-80	1	R119V
P160	1	R160A
P180-70	1	R180V

Spare counterblade for loppers



R214V/R26V/R260A/...

Replacement		
P14	1	R214V
P14	28	R214V-BULK28
P-SL2	1	R26V
P116-SL	8	R216SL
P-SI-	1	R215V
P114-SL	1	R214SL
P160	1	R260A
P16	1	R716VCB
P180-70	1	R680V
P19-80	1	R619V

Spare buffers for loppers and hedge shears



R430V-R516V

replacement	replacement		
PSL/PSL240	P116	1	R430V
PSL(2)/ P54	P114-P116	22	R440V
P14-P16-P19	P160-P51	22	R515VS
P160-P51H	P280	22	R516V

Spare anvil with screws for loppers



R372H

Replacement		
P172-(SL)	1	R372H

Centre bolt and nut for loppers



R312V-R318V/R143PV/  
R144PV/R146

Replacement		
P16-P160	1	R143PV
P16	50	R143PV-BULK50
P16	1	R143PVCB
P160	24	R144PV
P14-174-176	30	R146VS
P14-174-176	50	R146VS-BULK50
P114, P116	12	R166V
P172-	1	R312V
P-SI-	1	R315V
P280	22	R328V
P19-180-172	1	R318V

Spare handle, bolt and nut set for loppers



R415V - R660V



R772V

R415V-R773V

Replacement		
PSL	1	R415V
P180-70	1	R419V
P19-80	1	R519V
P14,P16	1	R615V
P160	24	R660V
P172-SL	14	R772V
P280-SL	1	R773V

Hexagonal screw for adjusting blade to anvil



R272H

Replacement		
P172/P172SL	1	R272H

## POLES AND TOP-PRUNERS

Top pruner, triple lever action



P34-37

Ø mm	
40	2 P34-37

Spare cutting blade for top pruner



R127E/R137E

Replacement	
P34-27	1 R127E
P34-37	1 R137E

Spare counter blade  
For hand and top pruners



R133PG

Replacement	
P34-27A	1 R133PG

Top pruner, double lever action



P34-27A

Ø mm	
30	2 P34-27A-F

Spare centre bolt and nut



R142P

R142P/R337E

Replacement	
P34-27A	24 R142P
P34-37	1 R337E

Spare spring for top pruner



R427AE



R437E

Top pruner



AP-234

mm/Ø	
2200/30	2 AP-234-F

Spare cutting blade with pin  
For hand and top pruners



R124PG

Replacement	
P134/P34-27	30 R124PG

Extension poles



AP-/FP-

m	
2,0-5,0	1 AP-5M
2,0-3,5	1 AP-3M
1,8-3,2	1 FP-3M

Spare parts for locking system of poles  
R2000AP: Screw + 2 adapters



LOCKING-B



R2000AP

### LOCKING

#### Replacement



Ø 28mm	1 LOCKING-B
Ø 25mm	1 LOCKING-S
AP-3M/5M	8 R2000AP

## HEDGE SHEARS

Landscaping hedge shears



P51-SL

cm	2 P51-SL
57	

Landscaping hedge shears, long



P51H-SL

cm	2 P51H-SL
73	

Lightweight hedge shears, short handles



P54-SL

cm	2 P54-SL-20
50	
55	2 P54-SL-25

Light hedge shears, long



P54H-SL

cm	2 P54H-SL-20
60	
65	2 P54H-SL-25

Expert hedge shears



PG-56

L mm	2 PG-56-F
54	

Expert telescopic hedge shears



PG-57-F

cm	2 PG-57-F
79 - 104	

Hedge shears, long handles



P51

cm/Ømm	2 P51-F
57/15	



Hedge shears, wooden handles



P57-25



P57-25

cm/Ø mm		
54/10	4	P57-25-F
54/10	4	P57-25-W-F

Hedge shears



P59/P60

cm/Ø mm		
58/10	5	P59-25-F
65/10	5	P60-25-BULK5

Hedge shears



PG-32

cm/Ø mm		
50/5	6	PG-32-F

Spare buffers for hedge shears



R440V-R516V

ref		
P51	22	R515VS
P51H	22	R516V
P52SL/P54SL	22	R440V
P54H/P53SL	22	R444V

Centre bolt/nut for hedge shear



R146VC/R147V

Replacement	Replacement	
P51-P52	P53-P54	1 R146VC
P55-P57-P59		24 R147V

GRASS SHEARS

Grass shear 9 positions (180°)



GS-180

cm		
39	6	GS-180-F

Grass shear, 3 positions



GS-76

cm		
35,5	6	GS-76

Grass shear



P74

cm/Ømm		
109/20	1	P74

Grass shear



P75

cm/Ø mm		
99/20	1	P75

## PRUNING KNIVES

Grafting knife



P11	
cm	6 P11
18	

Pruning knife



P20	
cm	6 P20
20	

## SCISSORS

Scissors, small



FS-5	
cm	10 FS-5

Scissors, medium



FS-8	
	10 FS-8

Scissors, large



FS-7.5	
	10 FS-7.5

## PRUNING SAWS

Pruning saw with holster, no Velco®



51 -JS	
mm	4 5124-JS-H
240	4 5128-JS-H
280	

Foldable pruning saw, JS toothing



396-JS	
mm	4 396-JS
190	

Pruning saws, JT toothing



41 -JT	
mm	4 4124-JT-H
240	4 4128-JT-H
280	

Foldable pruning saw, JT toothing



396-JT	
mm	4 396-JT
190	

Foldable pruning saw, XT toothing



396-HP

mm	
190	4 396-HP

Pruning saw with wooden handle



4211-/4212-

mm	
280	4 4211-11-6T
360	4 4211-14-6T
280	4 4212-11-6T
360	4 4212-14-6T

Pruning saw, fits on pole Ø 25 mm



385-/386-

mm	
360	4 385-6T
360	4 386-6T

Pruning saw



349

mm	
300	4 349

Pruning saws



339-/340-

mm	
360	4 339-6T
360	4 340-6T

Spare blades for saws 51-JS



5724-JS/5728-JS

mm	Replacement	
240	5124-JS-H	1 5724-JS
280	5128-JS-H	1 5728-JS

Foldable pruning saw



PG-72

blade - mm	
190	4 PG-72

Pruning saws for poles Ø 25 mm



383-/384-

mm	
360	4 383-6T
360	4 384-6T
360	4 384-5T

Spare blades for saws 41-JT



4724-JT/4728-JT

mm	Replacement	
240	4124-JT-H	1 4724-JT
280	4128-JT-H	1 4728-JT

Spare blade for saw 396-JS



**396-JS-BLADE**

mm	Replacement		
190	396-JS	1	396-JS-BLADE

Spare blade for saw 396-JT



**396-JT-BLADE**

mm	Replacement		
190	396-JT	1	396-JT-BLADE

Spare blade for saw 396-HP



**396-HP-BLADE**

mm	Replacement		
190	396-HP	1	396-HP-BLADE

Spare blades for saws 4211, 4212, 339, 340 and top pruner P34-37



**4400-/4420-**

mm	Replacement		
280	4212-11-6T	10	4400-11
360	4212-14/340	10	4400-14
280	4211-11-6T	10	4420-11
360	4211-14/339	10	4420-14
280	4212-11-6T	10	4400-11-BULK
360	4212-14-6T	10	4400-14-BULK
280	4211-11-6T	10	4420-11-BULK
360	4211-14-6T	10	4420-14-BULK

Synthetic grinding stone, grain 220



**LS-TRIANGLE**

cm		
10	1	LS-TRIANGLE

Synthetic grinding stone, grain 320



**LS-CORINDON**

cm		
10	1	LS-PIERRE CORINDON

**ACCESSORIES & MAINTENANCE**

Synthetic grinding stone, 2 grains 180/400



**LS-COMBINESS**

cm		
10	1	LS-COMBINESS

Carbide sharpener



**SHARP-X**

cm		
10	10	SHARP-X
	1	SHARP-X-DISP

Natural grinding stone



**LS-NATURAL**

cm		
7	1	LS-NATURAL

Synthetic grinding stone, grain 180



LS-PIERRE-FAUX

cm



23

1 LS-PIERRE-FAUX

Cleaning liquid



SAP-X

ml



50

6 SAP-X

Practical lopper holster



PROF-LOPP

g



375

1 PROF-LOPP

Synthetic grinding stone  
"Carbor" type, grain 220



LS-6160-23

cm



23

1 LS-6160-23

Natural lubricant



ECO-LUBE

ml



100

4 ECO-LUBE100

Secateur holster



PROF-SEC

g



150

1 PROF-SEC

Natural grinding stone  
"Lombarde" type



LS-6060-23

cm



23

1 LS-6060-23

Holster for secateur



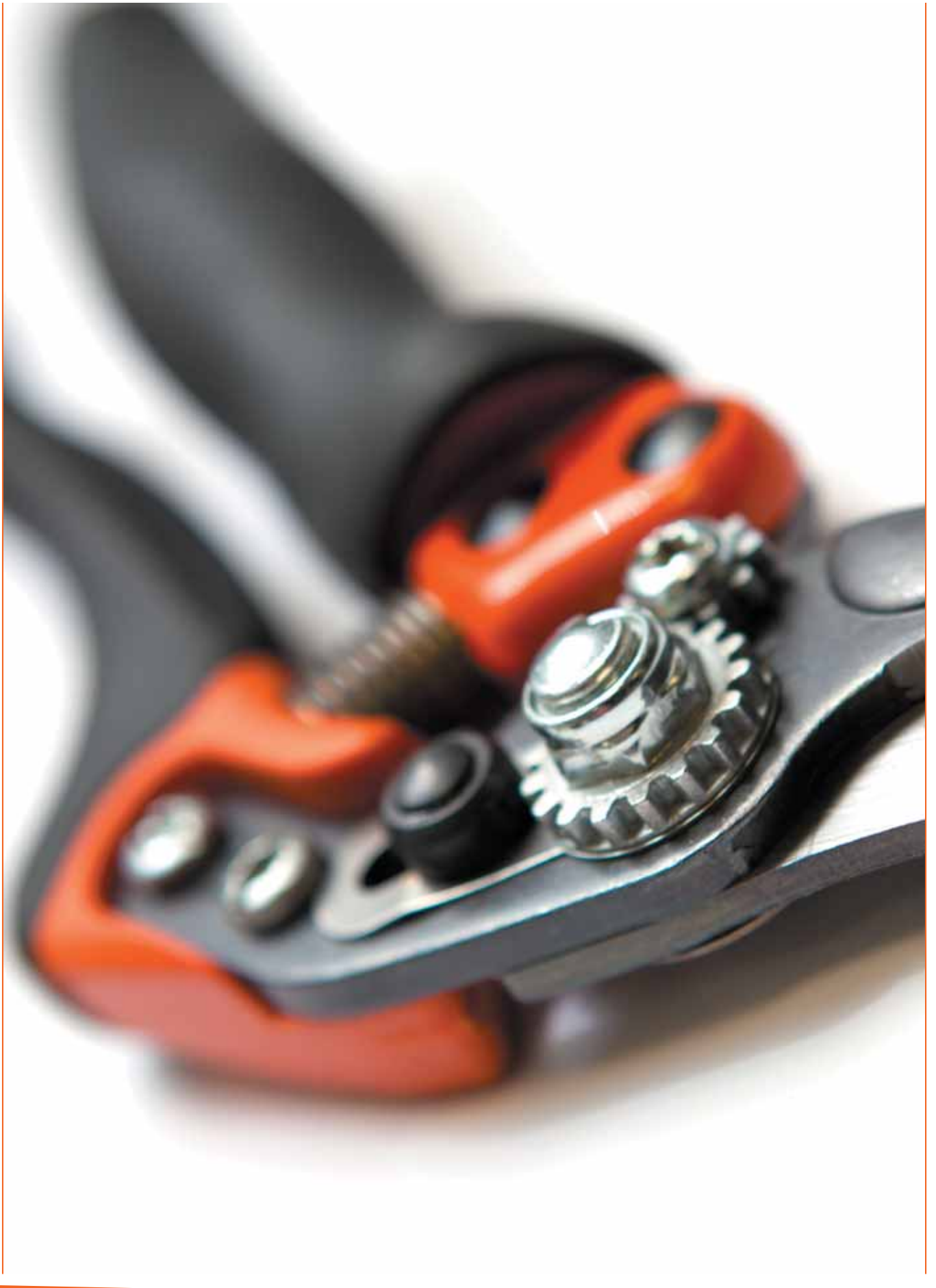
PROF-H

Weight g



86

2 PROF-H







**Lindström  
Precision Tools**

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## ELECTRONICS AND FINE MECHANICAL PLIERS

Diagonal cutter, RX series, oval head

ergo®



RX 8130-RX 8162

mm/cut		
0,2-1,0/M	10	RX 8130
0,1-1,0/F	10	RX 8131
0,1-0,8/U	10	RX 8132
0,2-1,25/M	10	RX 8140
0,1-1,25/F	10	RX 8141
0,1-1,0/U	10	RX 8142
0,3-1,6/M	10	RX 8150
0,2-1,6/F	10	RX 8151
0,2-1,25/U	10	RX 8152
0,4-2,0/M	10	RX 8160
0,3-2,0/F	10	RX 8161
0,3-1,6/U	10	RX 8162

Diagonal cutter, RX series, tapered head

ergo®



RX 8143-RX 8145

mm/cut		
0,2-1,25/M	10	RX 8143
0,1-1,25/F	10	RX 8144
0,1-1,0/U	10	RX 8145

Diagonal cutter, RX series, tapered and relieved head

ergo®



RX 8146-RX 8148

mm/cut		
0,2-1,0/M	10	RX 8146
0,1-1,0/F	10	RX 8147
0,1-0,8/U	10	RX 8148

Diagonal cutter, RX series, tip cutter

ergo®



RX 8149

mm/cut		
0,1-0,6/F	10	RX 8149

Oblique cutter 20°, RX series, short head

ergo®



RX 8211

mm/cut		
0,1-1,0/F	10	RX 8211

Oblique cutter 45°, RX series, long head

ergo®



RX 8247

mm/cut		
0,2-1,0/F	10	RX 8247

Oblique cutter 45°, RX series, long and relieved head

ergo®



RX 8248

mm/cut		
0,2-0,8/F	10	RX 8248

Micro tip cutters, RX series

ergo®



RX 8233

mm/cut		
0,1-0,65/U	10	RX 8233

Micro tip cutters, RX series

ergo®



RX 8234

mm/cut		
0,05-0,4/U	10	RX 8234

Micro tip cutters, RX series

ergo®



RX 8237

mm/cut		
0,1-0,65/U	10	RX 8237

Flat nose pliers, RX series

ergo®



RX 7490

mm		
20	10	RX 7490

Round nose pliers, RX series

ergo®



RX 7590

mm		
20	10	RX 7590

Snipe nose pliers, RX series

RX 7890 with smooth jaws and RX 7891 with serrated jaws

ergo®



RX 7890, RX 7891

mm		
32	10	RX 7890
32	10	RX 7891

Snipe nose plier, RX series

ergo®



RX 7892

mm		
29	10	RX 7892

Short snipe nose plier, RX series

ergo®



RX 7893

mm		
20	10	RX 7893

Return spring, RX series



RX 01

1		RX 01

Diagonal cutter, heavy duty  
Hard steel wire and soft material



TRX 8180

mm		
210	5	TRX 8180

Diagonal plastic cutter

ergo®



P6160

mm		
160	5	P6160

Diagonal cutter, 80 series, oval head



8130-8162

mm/cut		
0,2-1,0/M	10	8130
0,1-1,0/F	10	8131
0,1-1,0/F	10	8131 CO
0,1-0,8/U	10	8132
0,2-1,25/M	10	8140
0,2-1,25/M	10	8140 CO
0,1-1,25/F	10	8141
0,1-1,25/F	10	8141 CO
0,1-1,0/U	10	8142
0,1-1,0/U	10	8142 CO
0,3-1,6/M	10	8150
0,3-1,6/M	10	8150 CO
max 0,5/M	10	8150 J
0,2-1,6/F	10	8151
0,2-1,6/F	10	8151 CO
0,2-1,25/U	10	8152
0,4-2,0/M	10	8160
0,4-2,0/M	10	8160 CO
max 0,5/M	10	8160 J
0,3-2,0/F	10	8161
0,3-2,0/F	10	8161 CO
0,3-1,6/U	10	8162

Diagonal cutter, 80 series, tapered head



8143-8165

mm/cut		
0,2-1,25/M	10	8143
0,1-1,25/F	10	8144
0,1-1,25/S	10	8144 CO
0,1-1,0/U	10	8145
0,3-1,6/M	10	8153
0,2-1,6/F	10	8154
0,2-1,6/S	10	8154 CO
0,2-1,25/U	10	8155
0,4-2,0/M	10	8163
0,4-2,0/M	10	8163 CO
0,3-2,0/F	10	8164
0,3-1,6/U	10	8165
0,3-1,6/R	10	8165 CO

Diagonal cutter, 80 series, tapered and relieved head



8146-8158



mm/cut		
0,2-1,0/M	10	8146
0,1-1,0/F	10	8147
0,1-0,8/U	10	8148
0,1-0,8/U	10	8148 CO
0,3-1,25/M	10	8156
0,2-1,25/F	10	8157
0,1-1,0/U	10	8158

Diagonal cutter, 80 series, tip cutter



8149



mm/cut		
0,1-0,6/F	10	8149

Oblique cutter 20°, 80 series, short head



8211



mm/cut		
0,1-1,0/F	10	8211

Oblique cutter 45°, 80 series, long head



8247



mm/cut		
0,2-1,0/F	10	8247
0,2-1,0/F	10	8247 CO

Oblique cutter 45°, 80 series, long and relieved head



8248



mm/cut		
0,2-0,8/F	10	8248
0,2-0,8/F	10	8248 CO

Lead catchers, 80 series



813/814

For ref		
8130-8132	1	813
8140-8148	1	814

Diagonal cutter, Supreme series, tapered head



7190, 7191



mm/cut		
0,35-1,25/M	10	7190
0,35-1,25/M	10	7190 CO
0,35-1,0/F	10	7191
0,35-1,0/F	10	7191 CO

Oblique cutter, Supreme series, reverse angle



7280



mm/cut		
0,35-0,8/F	10	7280

Oblique cutters 45°, Supreme series



7285



mm/cut		
0,35-1,0/F	10	7285

Oblique cutter, Supreme series



7290, 7291

mm/cut	
0,35-1,25/M	10 7290
0,35-1,25/F	10 7291

Oblique cutter, Supreme series



7293

mm/cut	
0,35-1,0/F	10 7293

End cutters, Supreme series



7292

mm/cut	
0,35-0,8/F	10 7292

Flat nose pliers, Supreme series



7490

mm	
20	10 7490
20	10 7490 CO

Round nose pliers, Supreme series



7590

mm	
20	1 7590
20	10 7590 CO

Snipe nose plier, Supreme series  
7890 with smooth jaws and 7891 with serrated jaws



7890, 7891

mm	
32	10 7890
32	10 7890 CO
32	10 7891
32	10 7891 CO

Snipe nose plier, Supreme series



7892

mm	
29	10 7892

Short snipe nose plier, Supreme series



7893

mm	
20	10 7893

Multipurpose shear, Kevlar



HS6000

mm/cut	
2.0	10 HS6000

ELECTRONICS AND FINE MECHANICAL  
TWEEZERS

Tweezers - soft touch



TL 00-SA-ET

mm	
120	1 TL 00-SA-ET

Tweezers - soft touch



TL 3-SA-ET

mm	
120	1 TL 3-SA-ET

Tweezers - high precision  
Flat edges, strong tips, serrated grips



TL 00B-SA

mm	
120	1 TL 00B-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Flat edge, fine tips



TL 0-SA

mm	
120	1 TL 0-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Flat, curved, round tips



TL 2AB-SA

mm	
120	1 TL 2AB-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Flat edges, strong tips, serrated tips and grips



TL 00D-SA

mm	
120	1 TL 00D-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Fine tips, serrated tips and grips



TL 10G-SA

mm	
110	1 TL 10G-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Strong, round tips



TL 2A-SA

mm	
120	1 TL 2A-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Flat edge and strong tips



TL 00-SA

mm	
120	1 TL 00-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
For cutting 0.1 to 0.25mm of soft wire



TL 15AP

mm	
115	1 TL 15AP

Carbon steel wire

Tweezers - high precision  
Strong, sharp tips



TL 2-SA

mm	
120	1 TL 2-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Flat edge and strong tips



TL 0C9-SA

mm	
90	1 TL 0C9-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Strong accurate tips



TL 1-SA

mm	
120	1 TL 1-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Very sharp teeth



TL 3C-SA

mm	
110	1 TL 3C-SA

Stainless steel, anti-magnetic, anti-acid



Tweezers - high precision  
Very sharp tips



TL 3C-TA

mm  1 TL 3C-TA

110

Titanium, anti-magnetic, anti-acid  
Super lightweight

Tweezers - high precision  
Extra fine tips, lightly curved



TL 5A-SA

mm  1 TL 5A-SA

115

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Long, fine curved tips



TL 65A-SA

mm  1 TL 65A-SA

140

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Very sharp tips



TL 3-SA

mm  1 TL 3-SA

120

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Extra fine bent tips



TL 5B-SA

mm  1 TL 5B-SA

110

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Strong, fine, curved tips



TL 7A-SA

mm  1 TL 7A-SA

115

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Tapered extra fine tips



TL 4-SA

mm  1 TL 4-SA

110

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Tapered extra fine tips



TL 5-SA

mm  1 TL 5-SA

110

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Fine, curved tips



TL 7-SA

mm  1 TL 7-SA

115

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision  
Extra fine, double bent tips



TL 51S-SA

mm  1 TL 51S-SA

115

Stainless steel, anti-magnetic, anti-acid

Tweezers - high precision



TL 5-TA

mm  1 TL 5-TA

110

Tweezers - high precision  
Long, slender and fine tips



TL SS-SA

mm  1 TL SS-SA

140

Stainless steel, anti-magnetic, anti-acid

Tweezers - general purpose  
Reverse action, 2A style



TL 2AX-SA

mm  1 TL 2AX-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL 2-SA-SL

 5 TL 2-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL 5A-SA-SL

 5 TL 5A-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL 00-SA-SL

 5 TL 00-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL 3C-SA-SL

 5 TL 3C-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid




TL 5-SA-SL

 5 TL 5-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL 1-SA-SL

 5 TL 1-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid




TL 3-SA-SL

 5 TL 3-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL 7A-SA-SL

 5 TL 7A-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL 2A-SA-SL

 5 TL 2A-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL 4-SA-SL

 5 TL 4-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL 7-SA-SL

 5 TL 7-SA-SL

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL SS-SA-SL



5 TL SS-SA-SL

Tweezers - general purpose  
Strong blunt tips, serrated grips and tips



TL 475-SA

mm



140

1 TL 475-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - precision component handling  
Straight tips for components Ø2.0mm with serrated grips



TL 577-SA

mm



115

1 TL 577-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL AA-SA-SL



5 TL AA-SA-SL

Tweezers - general purpose  
Strong and fine tips with alignment pin, serrated grips and tips



TL 648-SA

mm



150

1 TL 648-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - precision component handling  
Angled tips 90° for components Ø2.0mm with serrated grips



TL 578-SA

mm



115

1 TL 578-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - industrial use  
Stainless steel, anti-magnetic, anti-acid



TL MM-SA-SL



5 TL MM-SA-SL

Tweezers - general purpose  
Strong, fine and bent tips with alignment pin, serrated and bent tips



TL 649-SA

mm



150

1 TL 649-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - precision component handling  
Angled tips at 90°, for components Ø1.0mm with serrated grips



TL 582-SA

mm



115

1 TL 582-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - general purpose  
Strong, double-bent tips, serrated grips and tips



TL 124-SA

mm



150

1 TL 124-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - general purpose  
Strong serrated precision tips



TL 231-SA

mm



120

1 TL 231-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - Boley style  
Strong and fine tips



TL AA-S

mm



130

1 TL AA-S

Stainless steel

Tweezers - Boley style  
Strong and fine tips



TL AA-SA

mm	
130	1 TL AA-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers - Boley style  
Strong and fine tips



TL AA-TA

mm	
130	1 TL AA-TA

Titanium, anti-magnetic, anti-acid  
Super lightweight

Tweezers with fibre tips  
Tips are 10 mm wide



TL 251-SA

mm	
110	1 TL 251-SA

Stainless steel body and carbon fibre tips

Tweezers with fibre tips  
Tips are 6 mm wide



TL 252-SA

mm	
110	1 TL 252-SA

Stainless steel body and carbon fibre

Tweezers with fibre tips  
Tips are 2.5mm wide



TL 253-SA

mm	
110	1 TL 253-SA

Stainless steel body and carbon fibre tips

Tweezers with fibre tips  
Tips are 3 mm, 2A style



TL 269CF-SA

mm	
130	1 TL 269CF-SA

Stainless steel body and carbon fibre tips

Tweezers with fibre tips  
Flat edge and thick tips



TL 249CF-SA

mm	
130	1 TL 249CF-SA

Stainless steel body and carbon fibre tips

Tweezers with fibre tips  
Special extra fine tips



TL 259CF-SA

mm	
130	1 TL 259CF-SA

Stainless steel body and carbon fibre tips

Tweezers with fibre tips  
Flat edge and thick tips



TL 00CFR-SA

mm	
130	1 TL 00CFR-SA

Stainless steel body and carbon fibre tips

Tweezers with fibre tips  
Special flat round tips



TL 2ACFR-SA

mm	
130	1 TL 2ACFR-SA

Stainless steel body and carbon fibre tips

Tweezers with fibre tips  
Special extra fine tips



TL 5CFR-SA

mm	
130	1 TL 5CFR-SA

Stainless steel body and carbon fibre tips

Tweezers with fibre tips  
Fine curved special tips



TL 7CFR-SA

mm	
130	1 TL 7CFR-SA

Stainless steel body and carbon fibre tips

Flat edge and thick replacement tips



TL 249ACF

mm	
40	1 TL 249 ACF

Extra fine replacement tips



TL 259ACF

mm	
40	1 TL 259 ACF

Replacement tips



TL 2AACF

mm	
40	1 TL 2AACF

Replacement tips



TL 5ACF

mm	
40	1 TL 5ACF

Fine curved replacement tips



TL 7ACF

mm	
40	1 TL 7ACF

SMD tweezers



TL SM103-SA

mm	
115	1 TL SM 103-SA

Stainless steel, anti-magnetic, anti-acid

SMD tweezers



TL SM104-SA

mm	
120	1 TL SM 104-SA

Stainless steel, anti-magnetic, anti-acid

SMD tweezers



TL SM105-SA

mm	
120	1 TL SM 105-SA

Stainless steel, anti-magnetic, anti-acid

SMD tweezers



TL SM107-SA

mm	
120	1 TL SM 107-SA

Stainless steel, anti-magnetic, anti-acid

SMD tweezers



TL SM108-SA

mm	
120	1 TL SM 108-SA

Stainless steel, anti-magnetic, anti-acid

SMD tweezers



TL SM109-SA

mm	
120	1 TL SM 109-SA

Stainless steel, anti-magnetic, anti-acid

SMD tweezers



TL SM110-SA

mm	
120	1 TL SM 110-SA

Stainless steel, anti-magnetic, anti-acid

SMD tweezers



TL SM111-SA

mm	
120	1 TL SM 111-SA

Stainless steel, anti-magnetic, anti-acid

SMD tweezers



TL SM115-SA

mm	
120	1 TL SM 115-SA

Stainless steel, anti-magnetic, anti-acid

SMD tweezers



TL SM117-SA

mm	
120	1 TL SM 117-SA

Stainless steel, anti-magnetic, anti-acid

Tweezers set, CMS components, 7 pcs  
9854W = empty wallet



9854

1 9854
1 9854W

TL 5C-SA	
115 mm	
TL 5-SA-SL	
110 mm	
TL SM 101-SA	
115 mm	
TL SM 102-SA	
115 mm	
TL SM 107-SA	
120 mm	
TL SM 108-SA	
120 mm	
TL SM 115-SA	
120 mm	

Tweezers set, 5 pcs  
9855W = empty wallet



9855

1 9855
1 9855W

TL SS-SA-SL	
140 mm	
TL AA-SA-SL	
130 mm	
TL 2A-SA-SL	
120 mm	
TL 4-SA-SL	
110 mm	
TL 7A-SA-SL	
115 mm	

Tweezers set, titanium, 4 pcs



9856

1 9856

TL 3C-TA	
110 mm	
TL 3-TA	
120 mm	
TL 5-TA	
110 mm	
TL AA-TA	
130 mm	



Tweezers set, 5 pcs  
9855W = empty wallet



9857



1 9857  
1 9855W

**TL 00-SA-SL**

120 mm

**TL 1-SA-SL**

120 mm

**TL 3C-SA-SL**

110 mm

**TL 5-SA-SL**

110 mm

**TL 7-SA-SL**

115 mm

Tweezers set, fine tip  
9858W = empty wallet



9858



1 9858  
1 9858W

**TL AA-SA-SL**

130 mm

**TL SS-SA-SL**

140 mm

Tweezers set, strong tip, 2 pcs



9859



1 9859

**TL 00B-SA**

120 mm

**TL 2A-SA-SL**

120 mm

## TORQUE SCREWDRIVERS

Micro adjustable torque screwdriver



MA500-1 - MA500-3



cNm



10-80

1 MA500-1

40-200

1 MA500-2

50-450

1 MA500-3

Micro adjustable torque screwdriver



PS501



cNm



7-70

1 PS501-2





ACCOUNT SUBGROUP					
020.040.100	8412814020419	350	18	10	146
020.055.125	8412814020518	350	18	10	146
020.065.150	8412814020617	350	18	10	146
020.080.175	8412814020815	350	18	10	146
020.100.200	8412814020105	350	18	10	146
020.120.250	8412814020129	350	18	10	146
020.140.250	8412814020143	350	18	10	146
021.040.100	8412814021416	350	18	10	146
021.055.125	8412814021515	350	18	10	146
021.065.150	8412814021614	350	18	10	146
021.080.175	8412814021812	350	18	10	146
021.100.200	8412814021102	350	18	10	146
022.030.100	8412814022314	350	18	10	146
022.030.200	8412814022321	350	18	10	146
022.035.100	8412814022338	350	18	10	146
022.040.125	8412814022413	350	18	10	146
022.040.250	8412814022420	350	18	10	146
022.055.150	8412814022512	350	18	10	146
022.055.300	8412814022529	350	18	10	146
022.065.150	8412814022611	350	18	10	146
022.065.300	8412814022628	350	18	10	146
023.000.075	8412814023014	350	18	10	146
023.001.100	8412814023113	350	18	10	146
023.002.125	8412814023212	350	18	10	146
023.003.150	8412814023311	350	18	10	146
023.004.200	8412814023410	350	18	10	146
024.000.075	8412814024011	350	18	10	146
024.001.100	8412814024110	350	18	10	146
024.001.250	8412814024127	350	18	10	146
024.002.125	8412814024219	350	18	10	146
024.002.300	8412814024226	350	18	10	146
024.003.150	8412814024318	350	18	10	146
025.000.075	8412814025018	350	18	10	146
025.001.100	8412814025117	350	18	10	146
025.002.125	8412814025216	350	18	10	146
025.003.150	8412814025315	350	18	10	146
025.004.200	8412814025414	350	18	10	146
026.000.075	8412814026015	350	18	10	146
026.001.100	8412814026114	350	18	10	146
026.001.250	8412814118758	350	18	10	146
026.002.125	8412814026213	350	18	10	146
026.002.300	8412814118741	350	18	10	146
026.003.150	8412814026312	350	18	10	146
027.006.075	8412814027067	350	18	10	147
027.007.075	8412814027074	350	18	10	147
027.008.075	8412814027081	350	18	10	147
027.009.075	8412814027098	350	18	10	147
027.010.075	8412814027104	350	18	10	147
027.015.100	8412814027159	350	18	10	147
027.020.100	8412814027203	350	18	10	147
027.025.125	8412814027258	350	18	10	147
027.027.125	8412814027272	350	18	10	147
027.030.150	8412814027302	350	18	10	147
027.040.150	8412814027401	350	18	10	147
028.010.075	8412814028101	350	18	5	147
028.015.100	8412814028156	350	18	5	147
028.020.100	8412814028200	350	18	5	147
028.025.125	8412814028255	350	18	5	147
028.027.125	8412814028279	350	18	5	147
028.030.150	8412814028309	350	18	5	147
028.040.150	8412814028408	350	18	5	147
029.020.100	8412814029207	350	18	10	147
029.025.100	8412814029252	350	18	10	147
029.030.100	8412814029306	350	18	10	147
029.040.100	8412814029405	350	18	10	147
029.050.100	8412814029504	350	18	10	147
029.060.125	8412814029603	350	18	10	147
030.040.125	8412814030401	350	18	5	147
030.045.125	8412814030456	350	18	5	147
030.050.150	8412814030500	350	18	5	147
030.055.150	8412814030555	350	18	5	147
030.060.150	8412814030609	350	18	5	147
030.070.150	8412814030708	350	18	5	147
030.080.150	8412814030807	350	18	5	147
030.090.150	8412814030906	350	18	5	147
030.100.150	8412814030104	350	18	5	147
030.130.150	8412814030135	350	18	5	147
030.140.150	8412814030142	350	18	5	147
031.001.100	8412814031118	350	18	10	147



031.002.125	8412814031217	350	18	10	147
031.003.150	8412814031316	350	18	10	147
032.001.125	8412814109398	350	18	5	147
032.1/4.125	8412814032009	350	18	5	147
033.030.100	8412814033310	350	32	10	148
033.035.100	8412814033327	350	32	10	148
033.040.100	8412814033419	350	32	10	148
033.055.125	8412814033518	350	32	10	148
033.065.150	8412814033617	350	32	10	148
033.080.175	8412814033815	350	32	10	148
033.100.200	8412814033112	350	32	10	148
034.000.100	8412814034010	350	32	10	148
034.001.150	8412814034119	350	32	10	148
034.002.175	8412814034218	350	32	10	148
034.003.200	8412814034317	350	32	10	148
035.000.100	8412814035017	350	32	10	148
035.001.150	8412814035116	350	32	10	148
035.002.175	8412814035215	350	32	10	148
035.003.200	8412814035314	350	32	10	148
036.055.125	8412814036519	350	32	5	148
036.060.125	8412814036618	350	32	5	148
036.070.125	8412814036717	350	32	5	148
036.080.125	8412814036816	350	32	5	148
036.100.125	8412814036106	350	32	5	148
036.130.125	8412814036137	350	32	5	148
037.001.115	8412814124841	350	18	5	147
038.055.100	8412814038513	350	18	5	148
038.065.125	8412814038612	350	18	5	148
038.080.150	8412814038810	350	18	5	148
038.100.175	8412814038100	350	18	5	148
038.120.200	8412814038124	350	18	5	148
038.140.200	8412814038148	350	18	5	148
039.001.100	8412814039114	350	18	5	148
039.002.125	8412814039213	350	18	5	148
039.003.150	8412814039312	350	18	5	148
039.004.200	8412814039411	350	18	5	148
040.001.100	8412814040110	350	18	5	148
040.002.125	8412814040219	350	18	5	148
040.003.150	8412814040318	350	18	5	148
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1-100-04-1-2	7311518244125	324	20	5	24
1-100-04-2-0	7311518019013	324	20	10	24
1-100-04-2-2	7311518244132	324	20	5	24
1-100-04-3-0	7311518019020	324	20	10	24
1-100-06-1-0	7311518019037	324	20	10	24
1-100-06-1-2	7311518000233	324	20	5	24
1-100-06-2-0	7311518019044	324	20	10	24
1-100-06-2-2	7311518003593	324	20	5	24
1-100-06-3-0	7311518019051	324	20	10	24
1-100-06-3-2	7311518293581	324	20	5	24
1-100-08-1-0	7311518019068	324	20	10	24
1-100-08-1-2	7311518000264	324	20	5	24
1-100-08-2-0	7311518019075	324	20	10	24
1-100-08-2-2	7311518003609	324	20	5	24
1-100-08-3-0	7311518019082	324	20	10	24
1-100-08-3-2	7311518295585	324	20	5	24
1-100-10-1-0	7311518019099	324	20	10	24
1-100-10-1-2	7311518000295	324	20	5	24
1-100-10-2-0	7311518019105	324	20	10	24
1-100-10-2-2	7311518003616	324	20	5	24
1-100-10-3-0	7311518019112	324	20	10	24
1-100-10-3-2	7311518295592	324	20	5	24
1-100-12-1-0	7311518019129	324	20	5	24
1-100-12-1-2	7311518028053	324	20	5	24
1-100-12-2-0	7311518019136	324	20	5	24
1-100-12-2-2	7311518244118	324	20	5	24
1-100-12-3-0	7311518019143	324	20	5	24
1-100-12-3-2	7311518295608	324	20	5	24
1-100-14-1-0	7311518019150	324	20	5	24
1-100-14-2-0	7311518019167	324	20	5	24
1-102-06-2-0	7311518019198	324	20	10	24
1-102-06-3-0	7311518019204	324	20	10	24
1-102-08-1-0	7311518019211	324	20	10	24
1-102-08-2-0	7311518019228	324	20	10	24
1-102-08-3-0	7311518019235	324	20	10	24
1-104-10-2-0	7311518019242	324	20	10	24
1-104-10-3-0	7311518019259	324	20	10	24
1-104-12-2-0	7311518019266	324	20	5	24
1-104-12-3-0	7311518019273	324	20	5	24



ACCOUNT SUBGROUP






1-104-14-3-0	7311518019297	324	20	5	24
1-106-08-1-0	7311518019303	324	20	10	24
1-106-08-1-2	7311518000301	324	20	5	24
1-106-10-1-0	7311518019310	324	20	10	24
1-106-10-1-2	7311518000325	324	20	5	24
1-106-12-1-0	7311518019327	324	20	5	24
1-106-12-1-2	7311518295615	324	20	5	24
1-110-04-1-0	7311518019334	324	20	10	24
1-110-04-2-0	7311518019341	324	20	10	24
1-110-04-3-0	7311518044046	324	20	10	24
1-110-06-1-0	7311518019358	324	20	10	24
1-110-06-1-2	7311518295622	324	20	5	24
1-110-06-2-0	7311518019365	324	20	10	24
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1-110-06-3-2	7311518295639	324	20	5	24
1-110-08-1-0	7311518019389	324	20	10	24
1-110-08-1-2	7311518000332	324	20	5	24
1-110-08-2-0	7311518019396	324	20	10	24
1-110-08-2-2	7311518003630	324	20	5	24
1-110-08-3-0	7311518019402	324	20	10	24
1-110-08-3-2	7311518295646	324	20	5	24
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1-110-10-1-2	7311518000349	324	20	5	24
1-110-10-2-0	7311518019426	324	20	10	24
1-110-10-2-2	73115180003647	324	20	5	24
1-110-10-3-0	7311518019433	324	20	10	24
1-110-10-3-2	7311518295653	324	20	5	24
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1-111-04-1-0	7311518044053	324	20	10	25
1-111-04-2-0	7311518019518	324	20	10	25
1-111-04-3-0	7311518019525	324	20	10	25
1-111-06-1-0	7311518019549	324	20	10	25
1-111-06-2-0	7311518019556	324	20	10	25
1-111-06-2-2	7311518000363	324	20	5	25
1-111-06-3-0	7311518019563	324	20	10	25
1-111-08-1-0	7311518019570	324	20	10	25
1-111-08-2-0	7311518019587	324	20	10	25
1-115-11-3-1	7311518003791	324	20	10	25
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1-143-08-1-0	7311518019662	324	20	10	25
1-143-08-1-2	7311518028077	324	20	5	25
1-143-10-1-0	7311518019693	324	20	10	25
1-143-10-1-2	7311518022358	324	20	5	25
1-143-12-1-0	7311518019723	324	20	5	25
1-143-12-1-2	7311518295691	324	20	5	25
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1-160-04-1-2	7311518244057	324	20	5	25
1-160-04-2-0	7311518019792	324	20	10	25
1-160-04-2-2	7311518244095	324	20	5	25
1-160-04-3-0	7311518019808	324	20	10	25
1-160-06-1-0	7311518019815	324	20	10	25
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1-160-06-2-0	7311518019822	324	20	10	25
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1-160-06-3-2	7311518295707	324	20	5	25
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1-160-08-1-2	7311518000394	324	20	5	25
1-160-08-2-0	7311518019853	324	20	10	25
1-160-08-2-2	7311518003692	324	20	5	25
1-160-08-3-0	7311518019860	324	20	10	25
1-160-08-3-2	7311518295714	324	20	5	25
1-160-10-1-0	7311518019877	324	20	10	25
1-160-10-1-2	7311518000400	324	20	5	25
1-160-10-2-0	7311518019884	324	20	10	25
1-160-10-2-2	7311518295721	324	20	5	25
1-160-10-3-0	7311518019891	324	20	10	25
1-160-10-3-2	7311518295738	324	20	5	25
1-160-12-1-0	7311518019907	324	20	5	25
1-160-12-1-2	7311518295745	324	20	5	25
1-160-12-2-0	7311518019914	324	20	5	25






ACCOUNT SUBGROUP



1-160-12-2-2	7311518295752	324	20	5	25
1-160-12-3-2	7311518298005	324	20	5	25
1-170-04-1-0	7311518044060	324	20	10	25
1-170-04-2-0	7311518019945	324	20	10	25
1-170-04-2-2	7311518244088	324	20	5	26
1-170-04-3-0	7311518019952	324	20	10	25
1-170-06-1-0	7311518019969	324	20	10	25
1-170-06-1-2	7311518244071	324	20	5	26
1-170-06-2-0	7311518019976	324	20	10	25
1-170-06-2-2	7311518003715	324	20	5	26
1-170-06-3-0	7311518019983	324	20	10	25
1-170-06-3-2	7311518295769	324	20	5	26
1-170-08-1-0	7311518019990	324	20	10	25
1-170-08-1-2	7311518000417	324	20	5	26
1-170-08-2-0	7311518020002	324	20	10	25
1-170-08-2-2	7311518003722	324	20	5	26
1-170-08-3-0	7311518020019	324	20	10	25
1-170-08-3-2	7311518295783	324	20	5	26
1-170-10-1-0	7311518020026	324	20	10	25
1-170-10-1-2	7311518028107	324	20	5	26
1-170-10-2-0	7311518020033	324	20	10	25
1-170-10-2-2	7311518244064	324	20	5	26
1-170-10-3-0	7311518020040	324	20	10	25
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1-210-04-2-0	7311518020088	324	20	10	26
1-210-04-2-2	7311518244040	324	20	5	26
1-210-04-3-0	7311518020095	324	20	10	26
1-210-06-1-0	7311518020101	324	20	10	26
1-210-06-1-2	7311518000424	324	20	5	26
1-210-06-2-0	7311518020118	324	20	10	26
1-210-06-2-2	7311518003654	324	20	5	26
1-210-06-3-0	7311518020125	324	20	10	26
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1-210-08-1-0	7311518020132	324	20	10	26
1-210-08-1-2	7311518000455	324	20	5	26
1-210-08-2-0	7311518020149	324	20	10	26
1-210-08-2-2	7311518000479	324	20	5	26
1-210-08-3-0	7311518020156	324	20	10	26
1-210-08-3-2	7311518295837	324	20	5	26
1-210-10-1-0	7311518020163	324	20	10	26
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1-210-10-2-0	7311518020170	324	20	10	26
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1-210-10-3-2	7311518295844	324	20	5	26
1-210-12-1-0	7311518020194	324	20	5	26
1-210-12-1-2	7311518028121	324	20	5	26
1-210-12-2-0	7311518020200	324	20	5	26
1-210-12-2-2	7311518244149	324	20	5	26
1-210-12-3-0	7311518020217	324	20	5	26
1-210-12-3-2	7311518295851	324	20	5	26
1-210-14-1-0	7311518020224	324	20	5	26
1-230-04-1-0	7311518020248	324	20	10	26
1-230-04-1-2	7311518244163	324	20	5	26
1-230-04-2-0	7311518020255	324	20	10	26
1-230-04-2-2	7311518244156	324	20	5	26
1-230-04-3-0	7311518020262	324	20	10	26
1-230-06-1-0	7311518020279	324	20	10	26
1-230-06-1-2	7311518000509	324	20	5	26
1-230-06-2-0	7311518020286	324	20	10	26
1-230-06-2-2	7311518000523	324	20	5	26
1-230-06-3-0	7311518020293	324	20	10	26
1-230-06-3-2	7311518293567	324	20	5	26
1-230-08-1-0	7311518020309	324	20	10	26
1-230-08-1-2	7311518000547	324	20	5	26
1-230-08-2-0	7311518020316	324	20	10	26
1-230-08-2-2	7311518000554	324	20	5	26
1-230-08-3-0	7311518020323	324	20	10	26
1-230-08-3-2	7311518295882	324	20	5	26
1-230-10-1-0	7311518020330	324	20	10	26
1-230-10-1-2	7311518000578	324	20	5	26
1-230-10-2-0	7311518020347	324	20	10	26
1-230-10-2-2	7311518003678	324	20	5	26
1-230-10-3-0	7311518020354	324	20	10	26
1-230-10-3-2	7311518295899	324	20	5	26

		ACCOUNT	SUBGROUP		
1-230-12-1-0	7311518020361	324	20	5	26
1-230-12-1-2	7311518295912	324	20	5	26
1-230-12-2-0	7311518020378	324	20	5	26
1-230-12-2-2	7311518295929	324	20	5	26
1-230-12-3-0	7311518020385	324	20	5	26
1-230-12-3-2	7311518295905	324	20	5	26
1-320-08-2-0	7311518191276	324	20	10	26
1-320-08-2-2	7311518270865	324	20	5	26
1-320-10-2-0	7311518020477	324	20	10	26
1-320-10-2-2	7311518270872	324	20	5	26
1-320-12-2-0	7311518020484	324	20	5	26
1-320-12-2-2	7311518270889	324	20	5	26
1-473-06-2-2	7311518201098	324	20	5	27
1-473-08-2-2	7311518201104	324	20	5	27
1-473-10-2-2	7311518201111	324	20	5	27
1-476-04-3-2	7311518010928	324	20	1	26
1-477-08-2-2	7311518037994	324	20	5	27
1-477-10-2-2	7311518201074	324	20	5	27
1-478-08-1-2	7311518141127	324	20	5	27
1-478-10-1-2	7311518241995	324	20	5	27
1-479-08-1-2	7311518176747	324	20	5	27
1-479-08-2-2	7311518180607	324	20	5	27
10-21-51	7311518229344	316	10	5	357
10-24-23	7311518229368	316	10	5	357
10-24-51	7311518229351	316	10	5	357
10-30-23	7311518229382	316	10	5	357
10-30-51	7311518229375	316	10	5	357
1016	7314150218189	350	46	10	168
1019	8412814010199	350	46	10	168
1031-10	7314150025442	364	30	5	361
1031-12	7314150025459	364	30	5	361
1031-14	7314150025466	364	30	5	361
1031-16	7314150025473	364	30	5	361
1031-18	7314150025480	364	30	5	361
1031-20	7314150025497	364	30	5	361
1031-22	7314150025503	364	30	5	361
1031-25	7314150025510	364	30	5	361
1031-28	7314150025527	364	30	5	361
1031-30	7314150025534	364	30	5	361
1031-32	7314150025541	364	30	5	361
1031-4	7314150025411	364	30	5	361
1031-40	7314150025558	364	30	5	361
1031-6	7314150025428	364	30	5	361
1031-8	7314150025435	364	30	5	361
1067	8412814010670	350	46	10	168
1084	7311518277291	338	15	5	203
10RM-10	7314153014351	366	25	1	50
10RM-13	7314153014368	366	25	1	50
10RM-14	7314150221677	366	25	1	50
10RM-17	7314153014375	366	25	1	50
10RM-19	7314153014382	366	25	1	50
10RM-8	7314153014344	366	25	1	50
10RM/SH6	7314150222971	366	25	1	50
111M-10	7314151828653	366	10	10	46
111M-11	7314151828660	366	10	10	46
111M-12	7314151828677	366	10	10	46
111M-13	7314151828684	366	10	10	46
111M-14	7314151828691	366	10	10	46
111M-15	7314151828707	366	10	10	46
111M-16	7314151828714	366	10	10	46
111M-17	7314151828721	366	10	10	46
111M-18	7314151828738	366	10	10	46
111M-19	7314151828745	366	10	10	46
111M-20	7314151828752	366	10	10	46
111M-21	7314151828769	366	10	10	46
111M-22	7314151828776	366	10	5	46
111M-23	7314151828783	366	10	5	46
111M-24	7314151828790	366	10	5	46
111M-25	7314151828806	366	10	5	46
111M-26	7314151828813	366	10	5	46
111M-27	7314151828820	366	10	5	46
111M-28	7314151828837	366	10	5	46
111M-29	7314151828844	366	10	5	46
111M-30	7314151828851	366	10	5	46
111M-32	7314151828868	366	10	5	46
111M-33	7314150222223	366	10	5	46
111M-34	7314151828875	366	10	5	46
111M-36	7314150135516	366	10	1	46
111M-38	7314150222230	366	10	1	46

		ACCOUNT	SUBGROUP		
111M-41	7314150135523	366	10	1	46
111M-46	7314150135530	366	10	1	46
111M-5.5	7314151828608	366	10	10	46
111M-50	7314150135547	366	10	1	46
111M-55	7314150135554	366	10	1	46
111M-6	7314151828615	366	10	10	46
111M-60	7314150135561	366	10	1	46
111M-65	7314150135578	366	10	1	46
111M-7	7314151828622	366	10	10	46
111M-70	7314150135585	366	10	1	46
111M-75	7314150135592	366	10	1	46
111M-8	7314151828639	366	10	10	46
111M-80	7314150135608	366	10	1	46
111M-9	7314151828646	366	10	10	46
111M-S20/T15/E	7314150190249	356	25	1	282
111M-S20/T4/E	7314150190225	356	25	1	282
111M-S20/T6/E	7314150190232	356	25	1	282
111M/11T	7314151828899	366	10	1	47
111M/14T	7314151828905	366	10	1	47
111M/17T	7314151828912	366	10	1	47
111M/17TL	7314150197859	366	10	1	47
111M/24T	7314150197866	366	10	1	47
111M/26T	7314151828929	366	10	1	47
111M/S10	7314150212965	366	10	1	47
111M/SH12	7314153013347	366	10	1	46
111M/SH8	7314150197873	366	10	1	46
111M/T15/6	7314150136445	356	25	1	282
111M/T4/8	7314150190287	356	25	1	282
111M/T6/7	7314150190270	356	25	1	282
111Z-1	7314151829063	366	10	3	47
111Z-1.1/16	7314151829070	366	10	5	47
111Z-1.1/2	7314150135752	366	10	1	47
111Z-1.1/4	7314151829094	366	10	5	47
111Z-1.1/8	7314151829087	366	10	5	47
111Z-1.11/16	7314150135615	366	10	1	47
111Z-1.13/16	7314150135639	366	10	1	47
111Z-1.3/4	7314150135622	366	10	1	47
111Z-1.3/8	7314150135738	366	10	1	47
111Z-1.5/16	7314151829100	366	10	5	47
111Z-1.5/8	7314150135769	366	10	1	47
111Z-1.7/16	7314150135745	366	10	1	47
111Z-1.7/8	7314150135646	366	10	1	47
111Z-1/2	7314151828981	366	10	5	47
111Z-1/4	7314151828943	366	10	5	47
111Z-11/16	7314151829018	366	10	5	47
111Z-13/16	7314151829032	366	10	5	47
111Z-15/16	7314151829056	366	10	3	47
111Z-2	7314150135653	366	10	1	47
111Z-2.1/2	7314150135721	366	10	1	47
111Z-2.1/4	7314150135691	366	10	1	47
111Z-2.1/8	7314150135677	366	10	1	47
111Z-2.3/4	7314150135783	366	10	1	47
111Z-2.3/8	7314150135707	366	10	1	47
111Z-2.5/8	7314150135776	366	10	1	47
111Z-2.7/8	7314150135790	366	10	1	47
111Z-3	7314150135806	366	10	1	47
111Z-3/4	7314151829025	366	10	5	47
111Z-3/8	7314151828967	366	10	5	47
111Z-5/16	7314151828950	366	10	5	47
111Z-5/8	7314151829001	366	10	5	47
111Z-7/16	7314151828974	366	10	5	47
111Z-7/8	7314151829049	366	10	5	47
111Z-9/16	7314151828998	366	10	5	47
111Z/11T	7314151829124	366	10	1	47
111Z/8T	7314151829117	366	10	1	47
1150-1/2H/P	7314150129263	336	20	1	338
1150D	7311518276614	336	20	1	338
1154	7314150249831	312	25	1	240
1154-DG	7314150249800	312	25	1	240
1154-MB	7314150249817	312	25	1	240
1157	7311518277031	358	15	20	391
1162N-1/2	7314151847241	336	15	1	334
1175-1	7314150106943	338	10	1	202
1175-11/2	7314150103768	338	10	1	202
1177-SCRIBE	7314150120550	336	10	5	337
1178-SCRIBE	7314150120567	336	10	5	337
1179-FLX	7311518276997	336	20	100	335
1179-SCRIBE	7314150120574	336	10	5	338
1179-TIPS	7314150120581	336	10	1	338





ACCOUNT SUBGROUP



11M-10	7314151829155	366	10	5	48
11M-11	7314151829162	366	10	5	48
11M-12	7314151829179	366	10	5	48
11M-13	7314151829186	366	10	5	48
11M-14	7314151829193	366	10	5	48
11M-15	7314151829209	366	10	5	48
11M-16	7314151829216	366	10	5	48
11M-17	7314151829223	366	10	5	48
11M-18	7314151829230	366	10	5	48
11M-19	7314151829247	366	10	5	48
11M-21	7314151829254	366	10	5	48
11M-22	7314151829261	366	10	5	48
11M-24	7314151829278	366	10	5	48
11M-27	7314151829285	366	10	1	48
11M-30	7314151829292	366	10	1	48
11M-32	7314151829308	366	10	1	48
11M-36	7314151829315	366	10	1	48
11M-38	7314151829322	366	10	1	48
11M-8	7314151829131	366	10	5	48
11M-9	7314151829148	366	10	5	48
11M/S8	7314151829384	366	10	1	48
1300Z-1-1-1/8	7314153000989	366	10	1	56
1300Z-1/2-9/16	7314151039998	366	10	1	56
1300Z-1/4-5/16	7314153000965	366	10	1	56
1300Z-15/16-1	7314153005656	366	10	1	56
1300Z-19/32-11/16	7314151040000	366	10	1	56
1300Z-25/32-13/16	7314153000972	366	10	1	56
1300Z-3/8-7/16	7314151039981	366	10	1	56
1300Z-5/8-3/4	7314151040017	366	10	1	56
1300Z-7/8-15/16	7314153005649	366	10	1	56
1320RM-10-11	7314153014511	366	25	1	51
1320RM-12-13	7314153014528	366	25	1	51
1320RM-14-15	7314153014535	366	25	1	51
1320RM-16-17	7314153014542	366	25	1	51
1320RM-18-19	7314153014559	366	25	1	51
1320RM-22-24	7314150221646	366	25	1	51
1320RM-6-7	7314153014498	366	25	1	51
1320RM-8-9	7314153014504	366	25	1	51
1320RM/SH8	7314150222988	366	25	1	51
1320RZ-1/2-9/16	7314153014580	366	25	1	51
1320RZ-1/4-5/16	7314153014566	366	25	1	51
1320RZ-3/8-7/16	7314153014573	366	25	1	51
1320SRM-14-19	7314150190355	366	25	1	51
1320SRM/S29	7314150188673	366	25	1	51
133SGM-100	7314151828523	366	20	1	58
133SGM-105	7314151828530	366	20	1	58
133SGM-110	7314151828547	366	20	1	58
133SGM-115	7314151828554	366	20	1	58
133SGM-120	7314151828561	366	20	1	58
133SGM-27	7314151828363	366	20	1	58
133SGM-30	7314151828370	366	20	1	58
133SGM-32	7314151828387	366	20	1	58
133SGM-36	7314151828394	366	20	1	58
133SGM-41	7314151828400	366	20	1	58
133SGM-46	7314151828417	366	20	1	58
133SGM-50	7314151828424	366	20	1	58
133SGM-55	7314151828431	366	20	1	58
133SGM-60	7314151828448	366	20	1	58
133SGM-65	7314151828455	366	20	1	58
133SGM-70	7314151828462	366	20	1	58
133SGM-75	7314151828479	366	20	1	58
133SGM-80	7314151828486	366	20	1	58
133SGM-85	7314151828493	366	20	1	58
133SGM-90	7314151828509	366	20	1	58
133SGM-95	7314151828516	366	20	1	58
13561	8412814135618	350	46	10	168
14-24-3810	7311518002879	316	10	5	357
140	7314150008797	338	10	1	202
141	7314150008827	338	10	1	202
141.007.075	8412814141077	350	14	5	157
141.008.075	8412814141084	350	14	5	157
141.009.075	8412814141091	350	14	5	157
141.010.075	8412814141107	350	14	5	157
141.015.100	8412814141152	350	14	5	157
141.020.100	8412814141206	350	14	5	157
141.025.125	8412814141251	350	14	5	157
141.027.125	8412814141275	350	14	5	157
141.030.150	8412814141305	350	14	5	157
141.040.150	8412814141404	350	14	5	157



ACCOUNT SUBGROUP



1410	7314150106332	338	10	1	202
1411-3.2	7314151040437	322	15	1	275
1411AUP8	7314150205936	322	15	1	275
1411AUP81	7314150230839	322	15	1	275
1411AUP82	7314150230846	322	15	1	275
1411AUP83	7314150230853	322	15	1	275
1411AUP84	7314150230860	322	15	1	275
1412-4.8	7314151040444	322	15	1	275
1413-6.4	7314151040451	322	15	1	275
1414-8	7314151040468	322	15	1	275
1415-8.7	7314151040475	322	15	1	275
1418A	7314151040505	322	15	1	275
1418B	7314151040512	322	15	1	275
1418C	7314151040529	322	15	1	275
1418D	7314151040536	322	15	1	275
1418E	7314151040543	322	15	1	275
1418F	7314151040550	322	15	1	275
1418G	7314151040567	322	15	1	275
1418H	7314151040574	322	15	1	275
1418I	7314151040581	322	15	1	275
1418K	7314151040598	322	15	1	275
1418S	7314151040604	322	15	1	275
1419-MD	7311518277352	312	40	36	250
1419/4	7314150125036	322	15	1	275
142	7314150008841	338	10	1	202
142.000.100	8412814142098	350	28	10	158
142.001.150	8412814142012	350	28	10	158
142.002.175	8412814142029	350	28	10	158
142.003.200	8412814142036	350	28	10	158
1420	7314150103744	338	10	1	202
1420-1.4	7314151696337	322	15	1	274
1421-2.1	7314151696412	322	15	1	274
1422-3.1	7314151696689	322	15	1	274
1423-4.8	7314151696764	322	15	1	274
1424-6.2	7314151696849	322	15	1	274
143	7314150008872	338	10	1	202
143.025.100	8412814143255	350	14	10	157
143.030.100	8412814143309	350	14	10	157
143.040.100	8412814143408	350	14	10	157
143.050.100	8412814143507	350	14	10	157
143.060.125	8412814143606	350	14	10	157
1435/5	7314151040734	322	15	1	274
1435/8	7314151040741	322	15	1	275
144	7314150008902	338	10	1	202
1446	7314150128631	334	10	15	371
1450D-ISO	7314151040970	322	30	1	276
1450D-WW	7314151040987	322	30	1	276
1450D/2	7314151040963	322	30	1	276
1450L	7314152001666	356	20	1	291
1450L-SP	7314151847128	356	20	1	291
1460M/1	7314151041090	322	30	1	276
1460M/2	7314151041106	322	30	1	276
1460Z/2	7314151041120	322	30	1	276
1467-250	7314150124268	340	93	1	200
1467-320-850	7314150178636	340	93	1	200
1467-520	7314150124275	340	93	1	200
1467-L3,2	7314150209071	340	93	1	200
1467-L4	7314150209057	340	93	1	200
1467-L5	7314150209040	340	93	1	200
1467-L6	7314150209064	340	93	5	200
1467-L6,4	7314150209088	340	93	1	200
1467-LJ	7314150209033	340	93	1	200
1467-S2,4	7314150209026	340	93	1	200
1467-S3,2	7314150209019	340	93	1	200
1467-S4	7314150209002	340	93	1	200
1467-S5	7314150208999	340	93	1	200
1467-SJ	7314150208982	340	93	1	200
1468-10M10	7314150243457	312	20	1	256
1468-10M4	7314150243419	312	20	1	256
1468-10M5	7314150243426	312	20	1	256
1468-10M6	7314150243433	312	20	1	256
1468-10M8	7314150243440	312	20	1	256
1468-6M3	7314150243372	312	20	1	256
1468-6M4	7314150243389	312	20	1	256
1468-6M5	7314150243396	312	20	1	256
1468-6M6	7314150243402	312	20	1	256
1468-M10	7314150243228	312	20	1	256
1468-M6	7314150243211	340	93	1	256
147	7314150008933	338	10	1	202





1470K-AC1	7314150226498	356	10	1	281
1470K-AC2	7314150226504	356	10	1	281
1470K-AC3	7314150226511	356	10	1	281
1470K-AC4	7314150226528	356	10	1	281
1470K-AC5	7314150237579	356	10	1	281
1470K-ACSIDE	7314150226535	356	10	1	281
1470K5	7314150136162	356	10	1	280
1470K6	7314150136179	356	10	1	280
1470K7	7314150136186	356	10	1	280
1470KAC01	7314150165124	356	35	1	281
1470KC2	7314150226696	356	10	1	291
1470KC3	7314150229680	356	10	1	291
1470KC5	7314150226665	356	10	1	291
1470KC5PC	7314150226672	356	10	1	291
1470KCTRAY	7314150226702	356	10	1	291
1470KXL-AC5	7314150237586	356	10	1	281
1470KXL6C	7314150256495	356	10	1	281
1475K8PAW	7314150182978	356	10	1	280
1475K8PC	7314150182923	356	10	1	280
1475K8PCM	7314150182930	356	10	1	280
1475K8PDG	7314150183302	356	10	1	280
1475K8PEV	7314150182947	356	10	1	280
1475K8PJ	7314150182961	356	10	1	280
1475K8PSP	7314150183357	356	10	1	280
1475K8PSV	7314150186952	356	10	1	280
1475KXL12PCMTSS	7314150182886	356	10	1	280
1475KXL12PCTSS	7314150182879	356	10	1	280
1475KXL12PDGTSS	7314150183340	356	10	1	280
1475KXL12PEVTSS	7314150182893	356	10	1	280
1475KXL12PJJTSS	7314150182916	356	10	1	280
1475KXL12PSPTSS	7314150183395	356	10	1	280
1475KXL12PSVTSS	7314150186990	356	10	1	280
1475KXL6PAW	7314150182756	356	10	1	280
1475KXL6PC	7314150182701	356	10	1	280
1475KXL6PCM	7314150182718	356	10	1	280
1475KXL6PDG	7314150183319	356	10	1	280
1475KXL6PEV	7314150182725	356	10	1	280
1475KXL6PJ	7314150182749	356	10	1	280
1475KXL6PSP	7314150183364	356	10	1	280
1475KXL6PSV	7314150186969	356	10	1	280
1475KXL7PAW	7314150182817	356	10	1	280
1475KXL7PC	7314150182763	356	10	1	280
1475KXL7PCM	7314150182770	356	10	1	280
1475KXL7PCMTW	7314150182831	356	10	1	280
1475KXL7PCTW	7314150182824	356	10	1	280
1475KXL7PDG	7314150183326	356	10	1	280
1475KXL7PDGTW	7314150183333	356	10	1	280
1475KXL7PEV	7314150182787	356	10	1	280
1475KXL7PEVTW	7314150182848	356	10	1	280
1475KXL7PJ	7314150182800	356	10	1	280
1475KXL7PJTW	7314150182862	356	10	1	280
1475KXL7PSP	7314150183371	356	10	1	280
1475KXL7PSPTW	7314150183388	356	10	1	280
1475KXL7PSV	7314150186976	356	10	1	280
1475KXL7PSVTW	7314150186983	356	10	1	280
1480K4	7314150136155	356	10	1	281
1483K2RB	7314150230013	356	15	1	292
1483K3RB	7314150230037	356	15	1	292
1483KHD3RB	7314150230099	356	15	1	292
1483KHD4RB	7314150230105	356	15	1	293
1519 D	7314150032747	340	15	3	197
1519-9	7314150026074	340	15	1	197
1520 D	7311518278922	340	15	5	180
1520 G	7311518266516	340	15	5	179
1535	7314150214808	336	20	1	338
1536	7314150214815	336	20	1	338
1537	7314150214822	336	20	1	338
1544	7311518276560	336	20	1	338
1545	7314150214785	336	20	1	338
1546	7314150214792	336	20	1	338
1547	7311518276577	336	20	1	338
158-N	7311518277239	340	55	12	182
158-NB	7311518277246	340	55	12	183
166-6-16-2.5-12	7311518021979	324	15	12	33
166-6-16-2.5-2	7311518209698	324	15	5	33
167-8-21-3.2-12	7311518021986	324	15	12	33
168-6-3.2-1P	7311518152338	324	10	12	33
168-6-3.2-3P	7311518152413	324	10	12	33
168-6-3.5-1P	7311518152345	324	10	12	33



168-6-3.5-3P	7311518152420	324	10	12	33
168-8-4.0-1P	7311518152352	324	10	12	33
168-8-4.0-3P	7311518152437	324	10	12	33
168-8-4.0-6	7311518217419	324	10	6	33
168-8-4.5-1P	7311518152369	324	10	12	33
168-8-4.5-3P	7311518152444	324	10	12	33
168-8-4.5-6	7311518217426	324	10	6	33
168-8-4.8-1P	7311518152376	324	10	12	33
168-8-4.8-3P	7311518152451	324	10	12	33
168-8-4.8-6	7311518217433	324	10	6	33
168-8-5.2-1P	7311518152383	324	10	12	33
168-8-5.2-3P	7311518152468	324	10	12	33
168-8-5.2-6	7311518217440	324	10	6	33
168-8-5.5-1P	7311518152390	324	10	12	33
168-8-5.5-3P	7311518152475	324	10	12	33
168-8-5.5-6	7311518217457	324	10	6	33
168-8-6.3-1P	7311518152406	324	10	12	33
168-8-6.3-3P	7311518152482	324	10	12	33
168-COMBI-4.0	7311518209667	324	10	10	34
168-COMBI-4.0-6922	7311518209612	324	10	10	34
168-COMBI-4.8	7311518209674	324	10	10	34
168-COMBI-4.8-6920	7311518209643	324	10	10	34
168-COMBI-5.5	7311518209681	324	10	10	34
168-COMBI-5.5-6924	7311518209650	324	10	10	34
190.040.075	8412814190419	350	14	10	156
190.040.100	8412814190426	350	14	10	156
190.055.100	8412814190518	350	14	10	156
190.055.125	8412814190525	350	14	10	156
190.065.125	8412814190617	350	14	10	156
190.065.150	8412814190624	350	14	10	156
190.080.150	8412814190815	350	14	10	156
190.080.175	8412814190822	350	14	10	156
190.100.200	8412814190112	350	14	10	156
190.120.250	8412814190129	350	14	10	156
191.025.075	8412814107486	350	14	10	156
191.030.075	8412814191317	350	14	10	156
191.030.100	8412814191324	350	14	10	156
191.030.200	8412814191331	350	14	10	156
191.035.100	8412814191348	350	14	10	156
191.040.100	8412814191416	350	14	10	156
191.040.125	8412814191423	350	14	10	156
191.040.250	8412814191430	350	14	10	156
191.055.125	8412814191515	350	14	10	156
191.055.150	8412814191522	350	14	10	156
191.055.300	8412814191539	350	14	10	156
191.065.150	8412814191614	350	14	10	156
191.065.300	8412814191621	350	14	10	156
192.000.075	8412814192000	350	14	10	156
192.000.200	8412814192055	350	14	10	156
192.001.100	8412814192017	350	14	10	156
192.001.250	8412814192154	350	14	10	156
192.002.125	8412814192024	350	14	10	156
192.002.300	8412814192253	350	14	10	156
192.003.150	8412814192031	350	14	10	156
192.004.200	8412814192048	350	14	10	156
193.000.075	8412814193007	350	14	10	157
193.001.100	8412814193014	350	14	10	157
193.002.125	8412814193021	350	14	10	157
193.003.150	8412814193038	350	14	10	157
193.004.200	8412814193045	350	14	10	157
1931M-10	7314151049256	366	10	5	54
1931M-11	7314151049263	366	10	5	54
1931M-12	7314151049270	366	10	5	54
1931M-13	7314151049287	366	10	5	54
1931M-14	7314151049294	366	10	5	54
1931M-17	7314151049324	366	10	5	54
1931M-4	7314151049171	366	10	5	54
1931M-4.5	7314151049188	366	10	5	54
1931M-5	7314151049195	366	10	5	54
1931M-5.5	7314151049201	366	10	5	54
1931M-6	7314151049218	366	10	5	54
1931M-7	7314151049225	366	10	5	54
1931M-8	7314151049232	366	10	5	54
1931M-9	7314151049249	366	10	5	54
1931M/10T	7314151049409	366	10	1	54
1931Z-1/2	7314151049775	366	10	5	54
1931Z-1/4	7314151049713	366	10	5	54
1931Z-11/32	7314151049744	366	10	5	54
1931Z-13/64	7314151049683	366	10	5	54



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1931Z-3/16	7314151049676	366	10	5	54
1931Z-3/8	7314151049751	366	10	5	54
1931Z-5/16	7314151049737	366	10	5	54
1931Z-5/32	7314151049669	366	10	5	54
1931Z-5/8	7314151049799	366	10	5	54
1931Z-7/16	7314151049768	366	10	5	54
1931Z-7/32	7314151049690	366	10	5	54
1931Z-9/16	7314151049782	366	10	5	54
1931Z-9/32	7314151049720	366	10	5	54
1931Z12T	7314150107674	366	10	1	54
1933M6T	7314151821654	366	10	1	54
1936M-10-11	7314151051402	366	15	5	59
1936M-10-13	7314151344146	366	15	5	59
1936M-12-13	7314151051419	366	15	5	59
1936M-13-17	7314151830144	366	15	5	59
1936M-14-15	7314151051426	366	15	5	59
1936M-14-17	7314151051129	366	15	5	59
1936M-16-17	7314151051433	366	15	5	59
1936M-17-19	7314151051136	366	15	5	59
1936M-18-19	7314151051440	366	15	5	59
1936M-19-22	7314151051150	366	15	5	59
1936M-20-22	7314151830151	366	15	5	59
1936M-21-23	7314151830168	366	15	5	59
1936M-22-24	7314151830175	366	15	5	59
1936M-24-26	7314151830182	366	15	5	59
1936M-24-27	7314151051181	366	15	5	59
1936M-25-28	7314151830199	366	15	1	59
1936M-30-32	7314151051501	366	15	1	59
1936M-30-34	7314151838577	366	15	1	59
1936M-36-41	7314151830205	366	15	1	59
1936M-46-50	7314151830212	366	15	1	59
1936M-6-7	7314151051389	366	15	5	59
1936M-8-10	7314151830137	366	15	5	59
1936M-8-9	7314151051396	366	15	5	59
1936M/12	7314151830250	366	15	1	59
1936M/7	7314151830243	366	15	1	59
194.004.075	8412814194042	350	14	10	157
194.005.075	8412814194059	350	14	10	157
194.006.075	8412814194066	350	14	10	157
194.007.075	8412814194073	350	14	10	157
194.008.075	8412814194080	350	14	10	157
194.009.075	8412814194097	350	14	10	157
194.010.075	8412814194103	350	14	10	157
194.015.100	8412814194158	350	14	10	157
194.020.100	8412814194202	350	14	10	157
194.025.125	8412814194257	350	14	10	157
194.027.125	8412814194271	350	14	10	157
194.030.150	8412814194301	350	14	10	157
194.040.150	8412814194400	350	14	10	157
1943M-11-13	7314151052829	366	10	1	56
1943M-13-15	7314151804732	366	10	1	56
1943M-13-17	7314151804749	366	10	1	56
1943M-14-16	7314151052836	366	10	1	56
1943M-14-17	7314151052843	366	10	1	56
1943M-15-17	7314151052850	366	10	1	56
1943M-19-22	7314151052867	366	10	1	56
1949M-10-11	7314151055394	366	10	1	56
1949M-10-12	7314151055400	366	10	1	56
1949M-12-13	7314151055417	366	10	1	56
1949M-12-14	7314151055424	366	10	1	56
1949M-14-15	7314151304546	366	10	1	56
1949M-14-17	7314151055448	366	10	1	56
1949M-17-19	7314151055455	366	10	1	56
1949M-19-22	7314151055462	366	10	1	56
1949M-22-24	7314151304553	366	10	1	56
1949M-24-27	7314151055479	366	10	1	56
1949M-30-32	7314151304577	366	10	1	56
1949M-8-9	7314151304539	366	10	1	56
1949Z-1-1.1/8	7314151055547	366	10	1	57
1949Z-1/2-9/16	7314151055509	366	10	1	57
1949Z-3/4-7/8	7314151055530	366	10	1	57
1949Z-3/8-7/16	7314151055486	366	10	1	57
1949Z-5/8-3/4	7314151055523	366	10	1	57
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195.002.025	8412814195025	350	14	10	157
195.055.025	8412814107523	350	14	10	157
195.060.025	8412814195612	350	14	10	157
195.901.025	8412814195919	350	14	10	157
195.902.025	8412814195926	350	14	10	157



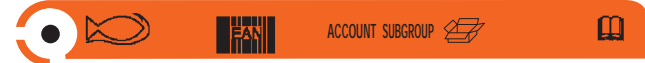
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1950M-46	7314151055967	366	10	1	57
1950MZ-3/8	7314150130207	310	15	1	57
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1952Z-9/16	7314151057534	366	10	5	49
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1996TORX/5T	7314150123698	350	54	1	173
1997M-10	7314151059354	350	54	10	169
1997M-11	7314151059361	350	54	10	169



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1997M-16	7314151059392	350	54	1	169
1997M-17	7314151059408	350	54	1	169
1997M-19	7314151059415	350	54	1	169
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1997M-6	7314151059316	350	54	10	169
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1997M-9	7314151059347	350	54	10	169
1997M/10T	7314151302108	350	54	1	169
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1998M-19	7314150185849	350	54	1	170
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1998M/8T	7314150186211	350	54	1	170
1999M/7H	7314151801076	350	54	1	170
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1999MV-8	7314150121472	350	36	5	318
1999MV-9	7314150121489	350	36	5	318
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1RM-12	7314153000590	366	25	1	50
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1RM/SH8	7314150223015	366	25	1	50
1RM/T2/4	7314150136513	356	25	1	283
1RM/T2/E	7314150136971	356	25	1	283
1RM/T6/8	7314150136520	356	25	1	283
1RM/T6/E	7314150136988	356	25	1	283
1RMA-10-1/4-BIT	7314153014634	350	52	1	51
1RMA-10-1/4-SQ	7314153014603	366	25	1	51
1RMA-13-10-BIT	7314150223008	366	25	1	51



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1RMA-13-3/8-SQ	7314153014610	366	25	1	51
1RMA-13-5/16-BIT	7314153014641	350	52	1	51
1RMA-19-1/2-SQ	7314153014627	366	25	1	51
1RMA-19-1/4-SQ	7314150190638	366	25	1	51
1RMA/S4	7314153014658	366	25	1	52
1RMA/S8	7314153014665	366	25	1	52
1RZ-1/2	7314153014245	366	25	1	50
1RZ-1/4	7314150153725	366	25	1	50
1RZ-11/16	7314153014269	366	25	1	50
1RZ-3/4	7314153014276	366	25	1	50
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1RZ-7/16	7314153014221	366	25	1	50
1RZ-9/16	7314153014238	366	25	1	50
1RZ/SH8	7314150223022	366	25	1	50
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2-300-14-0-0	7311518044138	324	30	10	27
2-300-14-2-0	7311518044145	324	30	10	27
2-300-14-4-0	7311518108786	324	30	10	27
2-300-14-D-1P	7311518189105	324	35	10	29
2-300-16-0-0	7311518020491	324	30	10	27
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2-300-16-4-0	7311518020521	324	30	10	27
2-300-16-D-1P	7311518189129	324	35	10	29
2-300-18-0-0	7311518190545	324	30	10	27
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2-302-14-0-0	7311518044152	324	30	10	28
2-302-14-2-0	7311518044169	324	30	10	28
2-302-14-4-0	7311518108793	324	30	10	28
2-302-14-D-1P	7311518189150	324	35	10	29
2-302-16-0-0	7311518108762	324	30	10	28
2-302-16-1-0	7311518020552	324	30	10	28
2-302-16-2-0	7311518020569	324	30	10	28
2-302-16-4-0	7311518108809	324	30	10	28
2-302-16-D-1P	7311518189167	324	35	10	29
2-302-18-0-0	7311518190613	324	30	10	28
2-302-18-2-0	7311518190620	324	30	10	28
2-303-14-2-0	7311518044176	324	30	10	28
2-303-14-D-1P	7311518189174	324	35	1	29
2-303-16-0-0	7311518108779	324	30	10	28
2-303-16-1-0	7311518020576	324	30	10	28
2-303-16-2-0	7311518020583	324	30	10	28
2-303-16-4-0	7311518108830	324	30	10	28
2-303-16-D-1P	7311518189198	324	35	1	29
2-303-18-0-0	7311518190644	324	30	10	28
2-303-18-2-0	7311518190668	324	30	10	28
2-304-14-0-0	7311518044183	324	30	10	28
2-304-14-2-0	7311518044190	324	30	10	28
2-304-14-4-0	7311518108878	324	30	10	28
2-304-14-D-1P	7311518189204	324	35	10	29
2-304-16-0-0	7311518020590	324	30	10	28
2-304-16-1-0	7311518020606	324	30	10	28
2-304-16-2-0	7311518020613	324	30	10	28
2-304-16-4-0	7311518020620	324	30	10	28
2-304-16-D-1P	7311518189211	324	35	10	29
2-304-18-0-0	7311518190712	324	30	10	28
2-304-18-2-0	7311518190736	324	30	10	28
2-305-16-1-0	7311518020637	324	30	10	28
2-305-16-2-0	7311518108908	324	30	10	28
2-306-14-D-1P	7311518189228	324	35	1	29
2-306-16-1-0	7311518020644	324	30	10	28
2-306-16-2-0	7311518108854	324	30	10	28
2-307-14-0-0	7311518044206	324	30	10	28
2-307-14-2-0	7311518044213	324	30	10	28
2-307-14-4-0	7311518108885	324	30	10	28
2-307-14-D-1P	7311518189235	324	35	10	29
2-307-16-0-0	7311518020651	324	30	10	28
2-307-16-1-0	7311518020668	324	30	10	28
2-307-16-2-0	7311518020675	324	30	10	28
2-307-16-4-0	7311518020682	324	30	10	28





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2-307-16-D-1P	7311518189242	324	35	10	29
2-307-18-0-0	7311518190965	324	30	10	28
2-307-18-2-0	7311518190972	324	30	10	28
2-308-14-2-0	7311518044220	324	30	10	28
2-308-14-D-1P	7311518189259	324	35	1	29
2-308-16-0-0	7311518108861	324	30	10	28
2-308-16-1-0	7311518020699	324	30	10	28
2-308-16-2-0	7311518020705	324	30	10	28
2-309-16-2-0	7311518108946	324	30	10	28
2-309-16-4-0	7311518191054	324	30	10	28
2-313-16-0-0	7311518191177	324	30	10	28
2-470-14-0-0	7311518191191	324	30	10	28
2-470-14-2-0	7311518109080	324	30	10	28
2-470-14-4-0	7311518191207	324	30	10	28
2-470-16-1-0	7311518010942	324	30	10	28
2-470-16-2-0	7311518109097	324	30	10	28
2-471-16-1-0	7311518010959	324	30	5	29
2-472-14-0-0	7311518191214	324	30	5	29
2-472-14-2-0	7311518109103	324	30	5	29
2-472-16-0-0	7311518191238	324	30	5	29
2-472-16-1-0	7311518010966	324	30	5	29
2-472-16-2-0	7311518108922	324	30	5	29
2010	7314151584610	356	15	10	330
202.001	8412814202013	350	18	1	149
202.001-PC	7314150189328	350	32	1	149
202.005	8412814202051	350	18	1	149
202.005-PC	7314150189335	350	32	1	150
202.006	8412814202068	350	18	1	149
202.006-PC	7314150189342	350	32	1	150
202.007	8412814202075	350	18	1	149
202.008	8412814202082	350	18	1	149
202.013	8412814121406	350	18	1	150
202.020	8412814202204	350	18	1	148
202.021	8412814202211	350	18	1	148
202.030	8412814202303	350	32	1	150
202.031	8412814202310	350	32	1	150
202.032	8412814119298	350	32	1	151
202.033	8412814121376	350	32	1	151
202.035	8412814108742	350	32	1	150
202030180	8413345400770	362	20	12	342
204030150	8413345400855	362	20	12	342
204030160	8413345400862	362	20	12	342
204030180	8413345400879	362	20	12	342
204050130	8413345097970	362	20	6	342
204530140	8413345097918	362	20	12	343
204550130	8413345097956	362	20	6	343
2045A3000	8413345097932	362	20	12	343
2047-0.8-4	7314151060459	350	54	5	175
2047-1.5-5	7314151060473	350	54	5	175
2047-1.2-8	7314151060480	350	54	5	175
2047-1.6-10	7314151060497	350	54	1	175
2047-2-12	7314151060503	350	54	1	175
2047PR-1-2	7314151060558	350	54	5	175
2047PR-3-4	7314151060565	350	54	5	175
2047PZ-1-2	7314150216390	350	54	5	175
2058/S26	7314151849276	350	48	1	135
2058/S26-2	7314151849283	350	48	1	135
208	7311518017545	328	10	5	349
209027040	8413345400947	362	20	12	342
209227060	8413345400961	362	20	12	342
209228100	8413345099233	362	20	12	342
209250100	8413345099585	362	20	6	342
209328060	8413345400978	362	20	12	342
209428000	8413345122450	362	20	6	343
209428100	8413345122474	362	20	6	343
210	7315965100379	328	30	10	348
2100PD-150	7314150205691	340	65	5	179
2101D-125	7314150106387	340	65	5	178
2101D-125IP	7314150106431	340	65	5	178
2101D-140	7314150106394	340	65	5	178
2101D-140IP	7314150106325	340	65	5	178
2101D-160	7314150106400	340	65	5	178
2101D-160IP	7314150106318	340	65	5	178
2101D-180	7314150106417	340	65	5	178
2101D-180IP	7314150106448	340	65	5	178
2101G-125	7314150106462	340	65	5	178
2101G-125IP	7314150106516	340	65	5	178
2101G-140	7314150106479	340	65	5	178
2101G-140IP	7314150106288	340	65	5	178



2101G-160	7314150106486	340	65	5	178
2101G-160IP	7314150106295	340	65	5	178
2101G-180	7314150106493	340	65	5	178
2101G-180IP	7314150106523	340	65	5	178
2101GC-125IP	7314150106547	340	65	5	178
2101GC-140IP	7314150106554	340	65	5	178
2101GC-160IP	7314150106561	340	65	5	178
2101GC-180IP	7314150106578	340	65	5	178
2101PG-160	7314150113972	340	65	5	178
2101S-140	7314150106592	340	90	3	179
2101S-160	7314150106608	340	90	3	179
2101S-180	7314150106615	340	90	3	179
2101S-200	7314150106622	340	90	3	179
211035180	8413345000147	362	20	5	343
211042210	8413345000154	362	20	5	343
212027180	8413345000178	362	20	5	343
212033220	8413345129435	362	20	8	343
212202500	8413345110266	362	20	6	343
212302900	8413345110280	362	20	6	343
212502150	8413345110303	362	20	6	343
212602150	8413345110327	362	20	6	343
212602800	8413345129404	362	20	6	343
212704350	8413345122184	362	15	6	344
213026140	8413345000185	362	20	5	343
2145020D0	8413345097994	362	15	1	345
2145020L0	8413345098045	362	15	1	345
2145025C0	8413345098083	362	15	1	345
2145025D0	8413345098007	362	15	1	345
2145025L0	8413345098052	362	15	1	345
2145030D0	8413345098014	362	15	1	345
2145030L0	8413345098069	362	15	1	345
2145035D0	8413345098021	362	15	1	345
2145035L0	8413345098076	362	15	1	345
2145039C0	8413345098090	362	15	1	345
2145PD-150	7314150114009	340	65	5	179
215-150	7311518017576	328	20	5	349
215000030	8413345131971	362	10	12	341
215000040	8413345131988	362	10	12	341
215000050	8413345131995	362	10	12	341
215000060	8412243557944	362	10	12	341
215000070	8413345132008	362	10	12	341
215000080	8413345132015	362	10	12	341
215000090	8413345132022	362	10	12	341
215000100	8413345132039	362	10	12	341
215000120	8413345132046	362	10	12	341
215500300	7314150220120	362	10	12	341
215500400	8413345122627	362	10	12	341
215500500	8413345122641	362	10	12	341
215500600	8413345122665	362	10	12	341
215500700	8413345122689	362	10	12	341
215500800	8413345122702	362	10	12	341
215500900	8413345137478	362	10	12	341
215501000	8413345122726	362	10	12	341
216-150-R	7311518017583	328	20	5	349
216-300-R	7311518017798	328	20	5	349
216000300	8413345403658	362	10	12	341
216000400	8413345403665	362	10	12	341
216000500	8413345403672	362	10	12	341
216000600	8413345403689	362	10	12	341
216000700	8413345403696	362	10	12	341
216000800	8413345403702	362	10	12	341
216000900	8413345403719	362	10	12	341
216001000	8413345403726	362	10	12	341
216001200	8413345403740	362	10	12	341
216100040	8413345132053	362	10	12	341
216100060	8413345132091	362	10	12	341
216100080	8413345132060	362	10	12	341
216100100	8413345132077	362	10	12	341
216100120	8413345132084	362	10	12	341
216500300	8413345407274	362	10	12	341
216500500	8413345407281	362	10	12	341
216500750	8413345407298	362	10	12	341
216501000	8413345407304	362	10	12	341
2171G-140	7314150116232	340	65	5	179
2171G-160	7314150116133	340	65	5	179
2171G-180	7314150116140	340	65	5	179
2171V-160	7314150126798	340	90	2	314
2171V-180	7314150126804	340	90	2	314
218	7311518017521	328	20	10	349



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218-BULK	7311518140946	328	20	1	349
219	7311518140953	328	20	5	349
219.000	8412814219004	350	14	1	159
219.001	8412814219011	350	14	1	159
219.002	8412814219028	350	14	1	159
219.003	8412814109503	350	14	1	160
219.005	8412814121147	350	14	1	160
219.100	8412814219103	350	14	1	158
219.101	8412814219110	350	14	1	158
219.102	8412814219127	350	14	1	158
219.105	8412814107837	350	14	1	159
219.109	8412814219196	350	14	1	159
219.110	8412814219134	350	14	1	159
219.600	8412814219608	350	28	1	160
219.601	8412814107820	350	28	1	160
219.602	8412814119304	350	14	1	160
219.605	8412814219653	350	28	1	160
219001000	8413345029865	362	10	5	341
219001200	8413345029872	362	10	5	341
219001400	8413345029889	362	10	5	341
219001600	8413345029896	362	10	5	341
219002000	8413345029902	362	10	5	341
2190PD-150	7314150114016	340	65	5	179
2191V-180	7314150128716	340	90	2	314
2191V-200	7314150128723	340	90	2	314
219201000	8413345029667	362	10	5	342
219201200	8413345029674	362	10	5	342
219201400	8413345029681	362	10	5	342
219201600	8413345029698	362	10	5	342
219202000	8413345029704	362	10	5	342
219302500	8413345129466	362	10	1	342
219303000	8413345129473	362	10	1	342
219303500	8413345129480	362	10	1	342
21HDD-140	7314150231256	340	65	5	178
21HDD-140IP	7314150231263	340	65	5	178
21HDD-160	7314150231270	340	65	5	178
21HDD-160IP	7314150231287	340	65	5	178
21HDD-180	7314150231294	340	65	5	178
21HDD-180IP	7314150231300	340	65	5	178
21HDD-200	7314150231317	340	65	5	178
21HDD-200IP	7314150231324	340	65	5	178
21HDG-140	7314150231331	340	65	5	178
21HDG-140A	7314150237654	340	65	5	178
21HDG-140IP	7314150231348	340	65	5	178
21HDG-160	7314150231355	340	65	5	178
21HDG-160A	7314150237661	340	65	5	178
21HDG-160IP	7314150231362	340	65	5	178
21HDG-180	7314150231379	340	65	5	178
21HDG-180A	7314150237678	340	65	5	178
21HDG-180IP	7314150231386	340	65	5	178
21HDG-200	7314150231409	340	65	5	178
21HDG-200A	7314150238439	340	65	5	178
21HDG-200IP	7314150231416	340	65	5	178
21HDGC-140IP	7314150231423	340	65	5	178
21HDGC-160IP	7314150231430	340	65	5	178
21HDGC-180IP	7314150231447	340	65	5	178
21HDGC-200IP	7314150231454	340	65	5	178
221 D	7314150037070	340	75	5	199
221201200	8413345029711	362	10	5	342
221202000	8413345029728	362	10	5	342
221203000	8413345029735	362	10	5	342
221301200	8413345029742	362	10	5	342
221302000	8413345029759	362	10	5	342
221303000	8413345029766	362	10	5	342
222 D	7314150037087	340	75	5	199
22209004B	8413345401333	362	10	1	255
2223 D-150	7314150033591	340	25	5	186
2223 G-150	7314150113651	340	25	5	185
2223 S-150	7314150032983	340	90	5	186
2223GC-150	7314150123919	340	25	5	185
2223V-160	7314150134113	340	90	2	315
223 D	7314150037094	340	75	5	199
2233 D-160	7314150114023	340	25	5	193
2233 D-200	7314150114030	340	25	5	193
2233 D-240	7314150114047	340	25	5	193
2233D-160IP	7314150114054	340	25	5	193
2233D-200IP	7314150114061	340	25	10	193
2233D-240IP	7314150114078	340	25	5	193
2235-160	7314150179695	340	20	1	194









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224 D	7314150037100	340	75	5	199
225 D	7314150037117	340	75	5	199
225-PLUS	7311518029708	328	10	5	348
2250V-170	7314150128730	340	90	2	316
2250V-230	7314150128747	340	90	2	316
2252	7314151062224	350	46	1	169
2260 G-210	7314150205684	340	20	1	193
2260 S-210	7314150206759	340	90	2	316
2260V-210	7314150128754	340	90	2	316
228	7311518014995	328	20	5	349
228-15-5P	7311518031442	328	20	10	349
228-32-100P	7311518150990	328	20	1	349
228-32-10P	7311518010867	328	20	10	349
228-32-5P	7311518031459	328	20	10	349
228-BULK	7311518009069	328	20	5	349
228-SD	7311518277048	346	20	24	377
228-SET-SD	7314150217946	346	20	1	377
229-SD	7311518277055	346	20	24	377
23-15	7311518274665	316	15	10	358
23-21	7311518012274	316	15	10	358
23-24	7311518003852	316	15	10	358
23-30	7311518003869	316	15	10	358
23-32	7311518003876	316	15	10	358
23-36	7311518003883	316	15	10	358
230-SD	7311518280956	346	20	1	377
2301A0000	8413345091282	362	20	6	344
2301B0000	8413345091305	362	20	6	344
2301C0000	8413345091329	362	20	6	344
2302A0000	8413345091343	362	20	6	344
2302B0000	8413345091367	362	20	6	344
2302C0000	8413345091381	362	20	6	344
2303B0000	8413345091404	362	20	6	344
2303D0000	8413345091428	362	20	6	344
2303F0000	8413345091442	362	20	6	344
2303H0000	8413345091466	362	20	6	344
2303J0000	8413345091480	362	20	6	344
2303K0000	8413345091503	362	20	6	344
2303L0000	8413345091527	362	20	6	344
2304A0000	8413345091541	362	20	6	344
2304C0000	8413345091565	362	20	6	344
230713500	8413345091589	362	20	6	344
2308A0000	8413345091602	362	20	6	344
2308B0000	8413345091626	362	20	6	344
230912500	8413345091640	362	20	6	345
232-SD	7314150214839	346	20	1	377
232.030	8412814108735	350	46	1	147
233-300	7311518044015	330	15	5	355
233-300-A	7311518044039	330	15	5	355
233-400	7311518044022	330	15	5	355
2339 D	7314150032792	340	45	3	197
2339 DIP	7314150103508	340	45	5	197
2339-220IP	7314150101061	340	45	6	197
2339-250IP	7314150101078	340	45	5	197
2339-280IP	7314150101948	340	45	5	197
2339-300IP	7314150123865	340	45	5	197
234-A1	7311518013653	330	15	1	355
234-A2	7311518013660	330	15	1	355
234-SD	7314150214846	346	20	1	377
234-W1	7311518013608	330	15	10	355
234-W2	7311518013615	330	15	10	355
234-W3	7311518013622	330	15	10	355
236001200	8413345129077	362	20	6	345
236101200	8413345129060	362	20	6	345
238	7311518011314	328	20	5	348
239	7311518010874	328	20	5	348
2420 G-125	7314150102525	340	55	5	183
2421 D-140IP	7314150101979	340	55	5	184
2421 D-160	7314150032594	340	55	5	184
2421 D-160IP	7314150101986	340	55	5	184
2421 D-180IP	7314150101993	340	55	5	184
2421 G-140	7314150102532	340	55	5	183
2421 G-140IP	7314150102006	340	55	5	183
2421 G-160	7314150102549	340	55	5	183
2421 G-160 IP	7314150100576	340	55	5	183
2421 G-180	7314150102556	340	55	5	183
2421 G-180 IP	7314150100583	340	55	5	183
2421GC-160	7314150123902	340	55	5	184
2421GC-180IP	7314150233229	340	55	5	184
2421V-160	7314150126774	340	90	2	315



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2427 D-160	7314150032846	340	55	5
2427 D-200	7314150169030	340	55	5
2427 G-160	7314150100408	340	55	5
2427 G-160 IP	7314150100743	340	55	5
2427 G-200	7314150100415	340	55	5
2427 G-200 IP	7314150100750	340	55	5
2427 GC-160IP	7314150102051	340	55	5
2427 GC-200IP	7314150102075	340	55	5
2427 S-200	7314150033027	340	90	3
2427V-200	7314150126903	340	90	2
2430 D-140	7314150032853	340	55	5
2430 D-140 IP	7314150100774	340	55	5
2430 D-160	7314150032860	340	55	5
2430 D-160 IP	7314150100781	340	55	5
2430 D-200	7314150032884	340	55	5
2430 D-200 IP	7314150100804	340	55	5
2430 G-140	7314150102563	340	55	5
2430 G-140 IP	7314150102143	340	55	5
2430 G-160	7314150024070	340	55	5
2430 G-160 IP	7314150100811	340	55	5
2430 G-200	7314150100422	340	55	5
2430 G-200 IP	7314150100835	340	55	5
2430 GC-140 IP	7314150102150	340	55	5
2430 GC-160 IP	7314150102167	340	55	5
2430 GC-200 IP	7314150102174	340	55	5
2430 S-160	7314150206742	340	90	3
2430 S-200	7314150033010	340	90	3
2430V-160	7314150126880	340	90	2
2430V-200	7314150126897	340	90	2
244-20-U7/8-HP	7311518012519	330	10	10
244-22-U7/8-HP	7311518012526	330	10	10
2444	7311518286750	334	10	15
2446	7314150128648	334	10	15
2448	7314150136049	334	10	12
2449	7314150194056	334	10	12
244P-20-U7-HP	7311518235499	330	10	4
244P-22-U7-HP	7311518235482	330	10	10
2456 A	7314151063115	340	55	1
2456 AB	7314151063122	340	55	1
2456 AVDE	7314151598082	340	90	1
2456 B	7314151063153	340	55	1
2456 BB	7314151063160	340	55	1
2456 BVDE	7314151598167	340	90	1
2457	7314151063214	340	55	1
2457 B	7314151063221	340	55	1
2457 VDE	7314151498375	340	90	1
2458 B	7314151063269	340	55	1
2458 VDE	7314151586829	340	90	1
2460	7314151063467	340	30	1
2461 C19	7314151063498	340	30	1
2461 C40	7314151063504	340	30	1
2461 C8	7314151063481	340	30	1
2463 D19	7314151063511	340	30	1
2463 D40	7314151063528	340	30	1
2463 D8	7314151588878	340	30	1
2464 A10	7314151063535	340	30	1
2464 A19	7314151063542	340	30	1
2464 A3	7314151406516	340	30	1
2464 A40	7314151063559	340	30	1
2465D-200	7314150120826	340	30	1
2466 B10	7314151063573	340	30	1
2466 B19	7314151063580	340	30	1
2466 B3	7314151406868	340	30	1
2466 B40	7314151063597	340	30	1
2470 G-160	7314150116188	340	55	5
2470 G-200	7314150116195	340	55	5
2471 G-160	7314150116225	340	55	5
2477 AB	7314151063825	340	55	1
2477 BB	7314151063849	340	55	1
2477 G-200	7314150116201	340	55	5
2484-20	7314150233250	322	25	1
2484-30	7314150233267	322	25	1
2484-45	7314150233274	322	25	1
2484-60	7314150233281	322	25	1
2484/S4	7311518276553	322	25	1
2485	7314150242382	312	20	1
2487	7311518276058	312	30	12
2488	7311518276072	334	10	12
2489	7311518276065	334	10	12

		ACCOUNT SUBGROUP		
2491	7311518276096	334	10	12
2500-16-XT-HP	7311518160159	330	10	4
2500-19-XT-HP	7311518160722	330	10	4
2500-22-XT-HP	7311518140922	330	10	4
2500-24-XT7-HP	7311518181338	330	10	4
250005000	8413345129381	362	15	1
250400000	8413345129374	362	15	1
250501800	8413345128964	362	15	1
250502450	8413345128957	362	15	1
250703000	8413345129008	362	15	1
2509	7314151064280	322	10	1
2510	7314151064297	312	30	1
2520	7314150023752	340	20	1
2520 S	7314150033041	340	20	1
2520-SH	7311518197506	340	20	1
2521 D-140	7314150032907	340	55	5
2521 G-140	7314150100293	340	55	5
2521 G-160 IP	7314150100620	340	55	5
2521D-160	7314150127139	340	55	5
2521GC-160	7314150127146	340	55	5
2521V-160	7314150126781	340	90	2
2530-40	7314151317294	340	80	5
2535F1	7314151064495	322	10	1
2535F2	7314150233854	322	10	1
2535F3	7314150180233	322	10	1
255	7311518007843	330	10	1
255-15/29	7311518007850	330	10	1
2555	7311518276041	312	10	12
256-26	7311518000080	330	10	4
2600-16-XT11-HP	7311518239527	330	10	4
2600-19-XT-HP	7311518160760	330	10	4
2600-22-XT-HP	7311518160777	330	10	4
2619 LS-175	7314151809188	340	75	5
2619 LS-250	7314151809195	340	75	5
2619 LS-300	7314151809201	340	75	5
2619V-250	7314150128778	340	90	2
2619V-300	7314150128853	340	90	2
2620-80	7311518200947	340	20	1
2628 D-160	7314150123193	340	35	5
2628 D-180	7314150042661	340	35	5
2628 D-200	7314150123315	340	35	5
2628 G-160	7314150042999	340	35	5
2628 G-160IP	7314150055357	340	35	5
2628 G-180	7314150042678	340	35	5
2628 G-180IP	7314150044030	340	35	5
2628 G-200	7314150103539	340	35	5
2628 GC-160IP	7314150101863	340	35	5
2628 GC-180IP	7314150101870	340	35	5
2628 GC-200IP	7314150101887	340	35	5
2628 S-160	7314150206735	340	90	3
2628 S-180	7314150044054	340	90	3
2628 S-200	7314150043002	340	90	3
2628G-200IP	7314150101085	340	35	5
2630D-160	7314150123612	340	35	5
2630D-180	7314150123681	340	35	5
2630D-200	7314150123728	340	35	5
2630GC-160IP	7314150180165	340	35	5
2630GC-180IP	7314150180172	340	35	5
2630GC-200IP	7314150180189	340	35	5
2632	7314151065706	322	30	1
2633/S4	7311518276942	322	30	12
2633HD/S6	7314150205783	312	30	1
2633HD1	7314150230464	312	30	1
2633HD2	7314150230471	312	30	1
2633HD3	7314150230488	312	30	1
2633HD4	7314150230495	312	30	1
2633HD5	7314150230501	312	30	1
2633HD6	7314150230518	312	30	1
2633L/S4	7311518276959	322	30	12
2635	7311518276348	338	20	1
2640D-160	7314150123766	340	35	10
2640D-180	7314150123773	340	35	5
2640D-200	7314150123797	340	35	5
2646	7314151304638	340	10	1
2646 A	7314151304645	340	10	1
2646 AK	7314151396619	340	10	1
2646 K	7314151495862	340	10	1
2646 M	7314151487928	340	10	1
2646 MF	7314151573683	340	10	1



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2646 MS	7314151573768	340	10	1	191
2646 R	7314151304706	340	10	1	191
2646 RA	7314151834838	340	10	1	191
2646 RK	7314151496678	340	10	1	191
2648	7314151304713	340	10	1	191
2648 A	7314151304720	340	10	1	191
2649	7314150058013	340	10	1	191
2650	7314151065829	340	75	1	199
2650 B	7314151065843	340	75	1	199
2656	7314151304737	340	10	1	191
2656 R	7314151473976	340	10	1	191
2656 S	7314150058044	340	10	1	191
2665 B-160	7314151066000	340	35	1	181
2665 B-180	7314151066017	340	35	1	181
2665 B-200	7314151066024	340	35	1	181
2665 VDE-160	7314151542023	340	90	1	181
2665 VDE-180	7314151498610	340	90	1	181
2665 VDE-200	7314151498887	340	90	1	181
2666	7314150058006	340	10	1	191
2666 FK	7314151066079	340	10	1	191
2666 NB	7314151066093	340	65	1	179
2667 B	7314151066154	340	65	1	179
2674 NB	7314151066321	340	65	1	179
2674 NVDE	7314151498535	340	90	1	179
2676 B	7314151066390	340	65	1	179
2678 B	7314151066468	340	65	1	179
2678 G-160	7314150116157	340	35	5	181
2678 G-180	7314150116164	340	35	5	181
2678 G-200	7314150116171	340	35	5	181
2678V-160	7314150126835	340	90	2	315
2678V-180	7314150126842	340	90	2	315
2678V-200	7314150126859	340	90	2	315
268	7311518017538	328	20	5	348
2681	7311518276706	340	93	12	200
2681-2635/T8/2	7314150136889	356	25	1	289
2681-2635/T8/E	7314150137299	356	25	1	289
2686	7314151066598	340	50	1	180
2688D-250	7314150123520	340	35	1	181
2694 B	7314151066826	340	55	1	184
2694 VDE	7314151498023	340	90	1	184
2698 B	7314151066888	340	55	1	185
2698 VDE	7314151498290	340	90	1	185
26S-1216	7314151830236	366	30	1	60
26S-610	7314151830229	366	30	1	60
2700-22-XT7-HP	7311518191672	330	10	4	351
2700-24-XT7-HP	7311518191665	330	10	4	351
2705R	7314151821470	312	30	1	367
2713 A	7314151067069	340	55	1	184
2718	7314151067359	340	55	1	184
2718 B	7314151067380	340	55	1	184
2719 SB	7314151381189	340	55	1	182
2720	7314150179701	340	20	1	194
2720-SH	7314150179718	340	20	1	194
2724 B	7314151067601	340	55	1	184
2727	7314151067700	340	55	1	185
2727 B	7314151067731	340	55	1	185
2744	7314151809096	340	70	6	367
2784-2.5	7314150215607	350	40	1	167
2784-3.5	7314150215614	350	40	1	167
2784-4.5	7314150215621	350	40	1	167
2787 F	7314151474270	340	10	1	191
2787 G	7314150058020	340	10	1	191
27M-10-11	7314150180523	366	15	10	59
27M-12-13	7314150180547	366	15	10	59
27M-13-17	7314150180790	366	15	10	59
27M-14-15	7314150180554	366	15	10	59
27M-16-17	7314150180561	366	15	10	59
27M-16-18	7314150180806	366	15	10	59
27M-18-19	7314150180578	366	15	10	59
27M-20-22	7314150180585	366	15	10	59
27M-21-23	7314150180592	366	15	5	59
27M-21-24	7314150180813	366	15	5	59
27M-24-26	7314150180608	366	15	5	59
27M-24-27	7314150180820	366	15	5	59
27M-25-28	7314150180622	366	15	5	59
27M-27-29	7314150180639	366	15	5	59
27M-30-32	7314150180646	366	15	5	59
27M-6-7	7314150180509	366	15	10	59
27M-8-9	7314150180516	366	15	10	59






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27M/10	7314150180677	366	15	1	60
27M/12	7314150180684	366	15	1	60
27M/12T	7314150180783	366	15	1	60
27M/6	7314150180653	366	15	1	60
27M/8	7314150180660	366	15	1	60
27M/8T	7314150180776	366	15	1	60
28-29/S4	7314150179688	340	30	1	192
2800 N	7314151318338	340	20	1	193
2800-140	7314150121632	340	30	3	191
2800-150	7314150034567	340	30	3	191
2800-180	7314150034581	340	30	3	191
2800-225	7314150034604	340	30	3	191
2800-2900/T8/4	7314150136780	356	25	1	287
2800-2900/T8/E	7314150137206	356	25	1	287
2800-300	7314150122622	340	30	1	191
2801 N	7314151318352	340	20	1	193
2804	7314151692698	340	20	1	194
2804CC62	7314150122080	340	20	1	194
2804CC62-AS1	7314150214389	340	20	1	194
2804CC62-AS2	7314150214396	340	20	1	194
2804CC62-SB1	7314150214372	340	20	1	194
2804CC80	7314150122097	340	20	1	194
2804CC80-AS1	7314150214150	340	20	1	194
2804CC80-AS2	7314150214167	340	20	1	194
2804CC80-SB1	7314150214143	340	20	1	194
2805-280	7314151826123	340	20	1	194
2806-35V	7314150122103	340	90	1	316
2806-52V	7314150122110	340	90	1	316
2806CC35	7314150214211	340	20	1	194
2806CC35-AS1	7314150214235	340	20	1	194
2806CC35-AS2	7314150214242	340	20	1	194
2806CC35-SB1	7314150214228	340	20	1	194
2806CC52	7314150214259	340	20	1	194
2806CC52-AS1	7314150214273	340	20	1	194
2806CC52-AS2	7314150214280	340	20	1	194
2806CC52-SB1	7314150214266	340	20	1	194
2820EF1	7314150122042	334	10	12	370
2820EF2	7314150122059	334	10	12	370
2820EF3	7314150122066	334	10	1	371
2820EF4	7314150122073	334	10	1	371
2820EK	7314150122035	334	10	10	370
2820HSV1	7314150121878	328	25	1	319
2820HSV2	7314150121861	328	25	1	319
2820V13	7314150121823	366	35	1	318
2820V17	7314150121830	366	35	1	318
2820VBC	7314150121915	340	90	1	316
2820VDE	7314151605476	334	45	10	319
2820VFP	7314150121922	348	40	1	319
2820VGO5	7314150121953	348	40	1	320
2820VGO10	7314150121960	348	40	1	320
2820VGCOT	7314150121977	348	45	1	320
2820VHELP	7314150121908	334	45	1	319
2820VM	7314150121946	348	40	1	320
2820VP	7314150121885	334	45	2	319
2820VPC	7314150121892	334	45	2	319
2820VTEE	7314150121939	340	90	1	319
2855	7314151825805	340	93	1	200
2855 D	7314151822569	340	93	1	200
2890-125	7314150122639	340	30	3	192
2890-140	7314150034550	340	30	3	192
2890-180	7314150034574	340	30	3	192
2890-210	7314150034598	340	30	3	192
2890-300	7314150122646	340	30	1	192
28M-10	7314151834678	366	15	5	58
28M-11	7314151834685	366	15	5	58
28M-12	7314151834692	366	15	5	58
28M-13	7314151834708	366	15	5	58
28M-14	7314151834715	366	15	5	58
28M-15	7314151834722	366	15	5	58
28M-16	7314151834739	366	15	5	58
28M-17	7314151834746	366	15	5	58
28M-18	7314151834753	366	15	3	58
28M-19	7314151834760	366	15	3	58
28M-20	7314150122561	366	15	3	58
28M-21	7314151834777	366	15	3	58
28M-22	7314151834784	366	15	3	58
28M-23	7314150122578	366	15	3	58
28M-24	7314151834791	366	15	3	58
28M-25	7314150122585	366	15	3	58

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28M-26	7314150122592	366	15	3	58
28M-27	7314151834807	366	15	3	58
28M-28	7314150122608	366	15	1	58
28M-29	7314150122615	366	15	1	58
28M-30	7314151834814	366	15	1	58
28M-32	7314151834821	366	15	1	58
28M-6	7314151834630	366	15	5	58
28M-7	7314151834647	366	15	5	58
28M-8	7314151834654	366	15	5	58
28M-9	7314151834661	366	15	5	58
28M/11	7314151838126	366	15	1	59
28M/12	7314151838133	366	15	1	59
28M/15	7314151838140	366	15	1	59
28M/8	7314151838119	366	15	1	59
28M/T15/13	7314150178537	356	25	1	283
28M/T15/E	7314150178513	356	25	1	283
28M/T20/6	7314150178544	356	25	1	283
28M/T20/E	7314150178520	356	25	1	283
28MV-10	7314150121298	366	35	2	317
28MV-11	7314150121304	366	35	2	317
28MV-12	7314150121311	366	35	2	317
28MV-13	7314150121328	366	35	2	317
28MV-14	7314150121335	366	35	2	317
28MV-15	7314150121342	366	35	2	317
28MV-16	7314150121359	366	35	2	317
28MV-17	7314150121366	366	35	2	317
28MV-18	7314150121373	366	35	2	317
28MV-19	7314150121380	366	35	2	317
28MV-20	7314150121397	366	35	2	317
28MV-21	7314150121403	366	35	2	317
28MV-22	7314150121410	366	35	2	317
28MV-8	7314150121274	366	35	2	317
28MV-9	7314150121281	366	35	2	317
29-B	7311518277703	312	25	1	242
2900-140	7314150121045	340	30	3	192
2900-150	7314150034499	340	30	3	192
2900-180	7314150034512	340	30	3	192
2900-215	7314150034536	340	30	3	192
2900-300	7314150121076	340	30	1	192
2904CC25	7314150214020	340	20	1	194
2904CC25-SB1	7314150214174	340	20	1	194
2904CC25-SB2	7314150214181	340	20	1	194
2904CC35	7314150214037	340	20	1	194
2904CC35-SB1	7314150214198	340	20	1	194
2904CC35-SB2	7314150214204	340	20	1	194
2928-1	7314150056583	340	30	1	192
2928-160	7314150056514	340	30	1	192
2928-2	7314150056590	340	30	1	192
2928-200	7314150056521	340	30	1	192
2928-250	7314150056538	340	30	1	192
2928-3	7314150056606	340	30	1	192
2928-4	7314150056613	340	30	1	192
2949-190IP	7314150123926	340	93	1	197
2949-200IP	7314150123940	340	93	1	197
2949-240IP	7314150123957	340	93	1	197
2949-250IP	7314150123971	340	93	1	197
2950-250	7314150124039	340	60	1	195
2951-140	7314150124084	340	60	1	195
2951-180	7314150102204	340	60	1	195
2951-250	7314150102211	340	60	1	195
2951-300	7314150102228	340	60	1	195
2951/T8/3	7314150136865	356	25	1	288
2951/T8/E	7314150137275	356	25	1	288
2951BV	7314150207930	340	60	1	195
2951BV-250	7314150207923	340	60	1	195
2952-165	7314150103836	340	60	1	195
2952-235	7314150103843	340	60	1	195
2953-140	7314150124046	340	60	1	195
2953-200	7314150124053	340	60	1	195
2953-250	7314150124060	340	60	1	195
2953-300	7314150124077	340	60	1	195
2955-250	7314150102235	340	60	1	195
2957-250	7314150102259	340	60	1	195
2957-300	7314150124251	340	60	1	195
2958-140	7314150124107	340	60	1	196
2958-200	7314150124114	340	60	1	196
2958-250	7314150102242	340	60	1	196
2958-300	7314150124121	340	60	1	196
296	7311518034146	330	10	1	355

		ACCOUNT	SUBGROUP		
2963-280	7314150102280	340	60	1	196
2963-450	7314150124138	340	60	1	196
2963-630	7314150124145	340	60	1	196
2964-160	7314150124183	340	60	1	196
2964-280	7314150102297	340	60	1	196
2964-450	7314150124190	340	60	1	196
2964-600	7314150124206	340	60	1	196
2965-200	7314150124152	340	60	1	196
2965-280	7314150102266	340	60	1	196
2966-280	7314150102273	340	60	1	196
2967-180	7314150102396	340	60	1	196
2968-190	7314150124091	340	60	1	195
2968-235	7314150103850	340	60	1	195
2969-300	7314150207947	340	60	1	196
2970G-200	7314150134946	340	75	5	199
2971G-250	7314150117154	340	75	5	198
2979 D-180	7314150034246	340	55	5	185
2990-125	7314150121250	340	30	3	192
2990-140	7314150034482	340	30	3	192
2990-180	7314150034505	340	30	3	192
2990-200	7314150034529	340	30	3	192
2990-300	7314150121267	340	30	1	192
2997-250	7314150124237	340	60	1	197
2997-300	7314150124244	340	60	1	197
2998-250	7314150124213	340	60	1	196
2998-300	7314150124220	340	60	1	196
2998-SH	7314150207961	340	60	1	196
2999-250	7314150124169	340	60	1	196
2999-300	7314150124176	340	60	1	196
2999-SH	7314150207954	340	60	1	196
29M-10	7314150122318	366	15	5	59
29M-11	7314150122325	366	15	5	59
29M-12	7314150122332	366	15	5	59
29M-13	7314150122349	366	15	5	59
29M-14	7314150122356	366	15	5	59
29M-15	7314150122363	366	15	5	59
29M-16	7314150122370	366	15	5	59
29M-17	7314150122387	366	15	5	59
29M-18	7314150122394	366	15	3	59
29M-19	7314150122400	366	15	3	59
29M-20	7314150122417	366	15	3	59
29M-21	7314150122424	366	15	3	59
29M-22	7314150122431	366	15	3	59
29M-23	7314150122448	366	15	3	59
29M-24	7314150122455	366	15	3	59
29M-25	7314150122462	366	15	3	59
29M-26	7314150122479	366	15	3	59
29M-27	7314150122486	366	15	3	59
29M-28	7314150122493	366	15	1	59
29M-29	7314150122509	366	15	1	59
29M-30	7314150122516	366	15	1	59
29M-32	7314150122523	366	15	1	59
29M-6	7314150122271	366	15	5	59
29M-7	7314150122288	366	15	5	59
29M-8	7314150122295	366	15	5	59
29M-9	7314150122301	366	15	5	59
29M/10	7314150122547	366	15	1	59
29M/14	7314150122554	366	15	1	59
29M/8	7314150122530	366	15	1	59
29M/T15/13	7314150178551	356	25	1	284
29M/T20/6	7314150178568	356	25	1	284
2M-10-11	7314151001223	366	10	5	55
2M-10-13	7314151001513	366	10	5	55
2M-12-13	7314151001230	366	10	5	55
2M-13-17	7314151343972	366	10	5	55
2M-14-15	7314151001247	366	10	5	55
2M-16-17	7314151001254	366	10	5	55
2M-16-18	7314151001575	366	10	5	55
2M-17-19	7314151000844	366	10	5	55
2M-18-19	7314151001261	366	10	5	55
2M-19-22	7314151000868	366	10	5	55
2M-20-22	7314151001278	366	10	5	55
2M-21-23	7314151001285	366	10	5	55
2M-22-24	7314151001612	366	10	5	55
2M-24-26	7314151001292	366	10	5	55
2M-24-27	7314151000899	366	10	5	55
2M-25-28	7314151001308	366	10	5	55
2M-27-29	7314150205332	366	10	5	55
2M-27-30	7314151001636	366	10	5	55



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2M-27-32	7314151001322	366	10	5	55
2M-30-32	7314151000929	366	10	5	55
2M-32-36	7314151001667	366	10	1	55
2M-36-41	7314151001681	366	10	1	55
2M-41-46	7314151001704	366	10	1	55
2M-46-50	7314151001711	366	10	1	55
2M-6-7	7314151001209	366	10	5	55
2M-8-10	7314151001506	366	10	5	55
2M-8-9	7314151001216	366	10	5	55
2M-SBS30/T8/E	7314150136995	356	25	1	283
2M/10T	7314150212996	366	10	1	55
2M/12T	7314151001414	366	10	1	55
2M/13	7314150213016	366	10	1	55
2M/8T	7314151001391	366	10	1	55
2M/S8	7314151827335	366	10	1	55
2M/T10/5	7314150136544	356	25	1	283
2M/T10/E	7314150137008	356	25	1	283
2M/T8/7	7314150136537	356	25	1	283
2MV-10	7314150121113	366	35	5	317
2MV-11	7314150121120	366	35	5	317
2MV-12	7314150121137	366	35	5	317
2MV-13	7314150121144	366	35	5	317
2MV-14	7314150121151	366	35	5	317
2MV-15	7314150121168	366	35	5	317
2MV-16	7314150121175	366	35	5	317
2MV-17	7314150121182	366	35	3	317
2MV-18	7314150121199	366	35	3	317
2MV-19	7314150121205	366	35	3	317
2MV-21	7314150121212	366	35	3	317
2MV-22	7314150121229	366	35	3	317
2MV-23	7314150121236	366	35	3	317
2MV-24	7314150121243	366	35	3	317
2MV-6	7314150121069	366	35	5	317
2MV-7	7314150121083	366	35	5	317
2MV-8	7314150121090	366	35	5	317
2MV-9	7314150121106	366	35	5	317
2Z-1-1.1/8	7314151001827	366	10	1	55
2Z-1.1/16-1.1/4	7314151001834	366	10	1	55
2Z-1/2-9/16	7314151001445	366	10	1	55
2Z-1/4-5/16	7314151001421	366	10	1	55
2Z-13/16-7/8	7314151001797	366	10	1	55
2Z-15/16-1	7314151001810	366	10	1	55
2Z-3/4-7/8	7314151001773	366	10	1	55
2Z-3/8-7/16	7314151001438	366	10	1	55
2Z-5/16-3/8	7314151001728	366	10	1	55
2Z-5/8-11/16	7314151001452	366	10	1	55
2Z-9/16-5/8	7314151001735	366	10	1	55
2Z/7T	7314150213733	366	10	1	55
3-24-51	7315962500028	316	10	5	357
3-330-12-1-0	7311518020712	324	25	5	30
3-330-12-2-0	7311518020729	324	25	5	30
3-330-14-1-0	7311518020736	324	25	5	30
3-330-14-2-0	7311518020743	324	25	5	30
3-331-14-1-0	7311518020750	324	25	5	30
300-14-F15/16-HP	7311518005955	330	10	4	354
301	7311518001384	328	20	5	356
301-22	7311518293673	338	15	10	203
301-22-95	7311518295189	338	15	1	203
302	7311518013349	328	20	5	356
302-35	7311518293680	338	15	4	203
302-35-95	7314150188338	338	15	1	203
302-511W-12P	7311518207786	328	20	1	356
302-51W-12P	7311518013356	328	20	1	356
302-53W-12P	7311518013363	328	20	1	356
302-55W-12P	7311518013370	328	20	1	356
302-57W-12P	7311518013387	328	20	1	356
302-59W-12P	7311518207779	328	20	1	356
302-6X4P	7311518017590	328	20	1	356
302-71M-12P	7311518013394	328	20	1	356
302-73M-12P	7311518013400	328	20	1	356
302-75M-12P	7311518013417	328	20	1	356
302-76	7311518293697	338	15	4	204
302-76-95	7314150188345	338	15	1	204
302-77M-12P	7311518207793	328	20	1	356
302-81S-12P	7311518013677	328	20	1	356
302-83S-12P	7311518013684	328	20	1	356
302-85S-12P	7311518207809	328	20	1	356
303-5P	7311518031435	328	20	10	356
304	7311518265533	328	10	10	348



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3045/1VDE	7314151783815	391	30	1	320
3045V-1	7314150128785	391	30	1	320
3045V-2	7314150128792	391	30	1	303
3046-OP	7311518276980	312	30	12	330
3046-REF	7311518276966	312	30	1	231
3049-2	7314151848118	356	30	1	330
306	7311518265540	328	10	10	348
306-10	7314150120246	338	15	1	203
306-12	7314150120253	338	15	1	203
306-15	7311518297107	338	15	1	203
306-15-95	7311518297329	338	15	1	203
306-22	7311518297114	338	15	1	203
306403000	8413345216890	318	10	5	380
306404000	8413345098724	318	10	5	380
306405000	8413345216975	318	10	5	380
306406000	8413345098731	318	10	5	380
306408000	8413345098748	318	10	5	380
306601500	8413345098700	318	10	5	380
306602000	8413345098717	318	10	5	380
306602500	8413345217002	318	10	5	380
306603000	8413345217033	318	10	5	380
306604000	8413345217095	318	10	5	380
306702500	8413345123303	318	10	5	380
306703000	8413345217194	318	10	5	380
306703500	8413345123310	318	10	5	380
306704000	8413345098755	318	10	5	380
306705000	8413345098762	318	10	5	380
306706000	8413345098779	318	10	5	380
306707000	8413345123327	318	10	1	380
306708000	8413345098786	318	10	5	380
306710000	8413345098793	318	10	5	380
306712000	8413345123334	318	10	2	380
306715000	8413345123341	318	10	2	380
306803000	8413345098809	318	10	5	381
306803500	8413345123365	318	10	5	381
306804000	8413345098816	318	10	5	381
306805000	8413345098823	318	10	2	381
306806000	8413345098830	318	10	2	381
306807000	8413345123372	318	10	2	381
306808000	8413345098847	318	10	2	381
306809000	8413345123389	318	10	2	381
306810000	8413345098854	318	10	2	381
306812000	8413345098861	318	10	2	381
306815000	8413345098878	318	10	1	381
306820000	8413345098885	318	10	1	381
306903000	8413345123402	318	10	2	381
306904000	8413345123419	318	10	2	381
306905000	8413345123426	318	10	2	381
306906000	8413345123433	318	10	2	381
306907000	8413345123440	318	10	2	381
306908000	8413345123457	318	10	2	381
306910000	8413345123471	318	10	2	381
307900020	8413345126045	318	10	1	381
308504000	8413345035156	336	10	1	337
308505000	8413345035194	336	10	1	337
308506000	8413345035163	336	10	1	337
308508000	8413345035170	336	10	1	337
308510000	8413345035187	336	10	1	337
3090-20-XT11-HP	7311518181369	330	10	4	351
31	7314150004942	310	10	5	45
31 IP	7314150004959	310	10	50	45
3100TB	7314150125364	356	30	1	298
310M-24	7314151829612	366	20	1	58
310M-27	7314151829629	366	20	1	58
310M-30	7314151829636	366	20	1	58
310M-32	7314151829643	366	20	1	58
310M-36	7314151829650	366	20	1	58
310M-38	7314151829667	366	20	1	58
310M-41	7314151829674	366	20	1	58
310M-46	7314151829681	366	20	1	58
310M-50	7314151829698	366	20	1	58
310M-55	7314151829704	366	20	1	58
310M-60	7314151829711	366	20	1	58
310M-65	7314151829728	366	20	1	58
310M-70	7314151829735	366	20	1	58
310M-75	7314151829742	366	20	1	58
310M-80	7314151829759	366	20	1	58
310M-85	7314151829766	366	20	1	58
310M-90	7314151829773	366	20	1	58



310M-95	7314151829780	366	20	1	58
311-32	7314150120215	338	15	6	204
311-42	7311518295523	338	15	6	204
311-42-95	7311518295554	338	15	1	204
3140N	7314151070892	356	15	1	293
3141N	7314151070908	356	15	1	293
3149	7314151070922	356	15	1	293
3149-OR	7311518292249	356	15	1	293
3150-12-XT9-HP	7311518181406	330	10	4	352
315M-27	7314150133291	366	20	1	58
315M-30	7314150133307	366	20	1	58
315M-32	7314150133314	366	20	1	58
315M-36	7314150133321	366	20	1	58
315M-41	7314150133345	366	20	1	58
315M-46	7314150133352	366	20	1	58
315M-50	7314150133369	366	20	1	58
315M-55	7314150133376	366	20	1	58
315M-60	7314150133383	366	20	1	58
315M-65	7314150133390	366	20	1	58
315M-70	7314150133406	366	20	1	58
315M-75	7314150133413	366	20	1	58
315M-80	7314150133420	366	20	1	58
315Z-1.1/16	7314150133437	366	20	1	58
315Z-1.1/2	7314150133505	366	20	1	58
315Z-1.1/4	7314150133468	366	20	1	58
315Z-1.1/8	7314150133444	366	20	1	58
315Z-1.11/16	7314150133529	366	20	1	58
315Z-1.13/16	7314150133543	366	20	1	58
315Z-1.15/16	7314150133567	366	20	1	58
315Z-1.3/16	7314150133451	366	20	1	58
315Z-1.3/4	7314150133536	366	20	1	58
315Z-1.3/8	7314150133482	366	20	1	58
315Z-1.5/16	7314150133475	366	20	1	58
315Z-1.5/8	7314150133512	366	20	1	58
315Z-1.7/16	7314150133499	366	20	1	58
315Z-1.7/8	7314150133550	366	20	1	58
315Z-2	7314150133574	366	20	1	58
315Z-2.1/16	7314150133581	366	20	1	58
315Z-2.1/2	7314150133642	366	20	1	58
315Z-2.1/4	7314150133611	366	20	1	58
315Z-2.1/8	7314150133598	366	20	1	58
315Z-2.15/16	7314150133697	366	20	1	58
315Z-2.3/16	7314150133604	366	20	1	58
315Z-2.3/4	7314150133673	366	20	1	58
315Z-2.3/8	7314150133635	366	20	1	58
315Z-2.5/16	7314150133628	366	20	1	58
315Z-2.5/8	7314150133666	366	20	1	58
315Z-2.7/8	7314150133680	366	20	1	58
315Z-2.9/16	7314150133659	366	20	1	58
315Z-3	7314150133703	366	20	1	58
315Z-3.1/8	7314150133840	366	20	1	58
316-1	7311518296216	338	15	12	204
316-2	7311518296223	338	15	12	204
316-2-95	7311518296278	338	15	1	204
317	7311518240936	328	10	10	348
317-40	7311518296230	338	15	1	204
318-38	7311518296247	338	15	1	204
318-54	7311518296254	338	15	1	204
3180-14-XT11-HP	7311518181390	330	10	4	351
319	7311518240943	328	10	5	348
320	7311518265557	328	10	10	348
321	7311518001841	328	30	5	348
321-18-SB	7311518129125	328	30	10	350
321-24-SB	7311518129132	328	30	10	350
321-7-SB	7311518129149	328	30	10	350
322500300	8413345012829	340	85	1	327
322500500	8413345012836	340	85	1	327
322500800	8413345012843	340	85	1	327
322510300	8413345015899	340	85	1	327
322510400	8413345137386	340	85	1	327
322510500	8413345015905	340	85	1	327
322510600	8413345137393	340	85	1	327
322510700	8413345137409	340	85	1	327
322510800	8413345015912	340	85	1	327
3240-14-XT11-HP	7311518243005	330	10	4	351
325	7311518214852	328	10	5	348
325001000	8413345000505	340	85	1	327
3250010SH	8413345137492	340	85	1	327
326000200	8413345000529	340	85	1	327

326000300	8413345012881	340	85	1	327
326010200	8413345016100	340	85	1	327
326020200	8413345016117	340	85	1	327
326030200	8413345016124	340	85	1	327
327020400	8413345012898	340	85	1	328
328000000	8413345000734	340	85	1	328
3280M	7314151071318	312	10	1	54
329000330	8413345000741	340	85	1	328
329000500	8413345000758	340	85	1	328
329100540	8413345000772	340	85	1	328
329500300	7314150181001	340	85	1	327
329500350	7314150181049	340	85	1	327
329500400	7314150181018	340	85	1	327
329500450	7314150181056	340	85	1	327
329600100	7314150181063	340	85	1	327
329600200	7314150181070	340	85	1	327
329600500	7314150181025	340	85	1	327
329600800	7314150181032	340	85	1	327
331-15-23	7311518274658	316	10	5	357
331-21-51-KP	7311518003814	316	10	5	357
332-21-51	7311518229337	316	10	5	357
333	7311518005832	316	10	5	357
333-5	7311518005849	316	15	10	358
339-6T	7311518128371	330	20	4	413
340-6T	7311518002008	330	20	4	413
341	7314150113729	338	10	1	202
3416 A	7314150216260	340	25	1	186
3417 A	7314150216277	340	25	1	186
3417 NF	7314151072209	340	25	1	186
3417 NF B	7314151072216	340	25	1	186
3417 NF VDE	7314151498450	340	90	1	186
3418 A	7314150216284	340	25	1	186
3419 A	7314151812409	340	25	1	186
3419 B	7314151812416	340	25	1	187
3419 EB	7314151812621	340	25	1	187
342	7314150113736	338	10	1	202
343	7314150113743	338	10	1	202
344	7314150113750	338	10	1	202
349	7311518018924	330	20	4	413
350.008.1	8412814108070	350	46	1	151
350.008.2	8412814108087	350	46	1	151
350.011	8412814108032	350	46	1	151
3518 A	7314150216376	340	25	1	187
3518 A SH	7314150216383	340	25	1	187
3519 A	7314150217380	340	25	1	187
3519 A SH	7314150217397	340	25	1	187
3519 A SHB	7314150217403	340	25	1	187
3524	7314151073336	362	10	1	329
3524L-K	7314151339807	362	10	1	329
3525HB	7314151073350	362	10	5	329
36	7314150223381	340	45	5	197
361-10	7311518295202	338	10	1	203
361-12	7311518295219	338	10	1	203
361-14	7311518295226	338	10	1	203
361-18	7311518295233	338	10	1	203
361-24	7311518295240	338	10	1	203
361-36	7311518295257	338	10	1	203
361-8	7311518295196	338	10	1	203
3625AR-35	7314150214723	358	10	6	387
3625AR-50	7314150214730	358	10	6	387
3625AR-60	7314150214747	358	10	6	387
3625ARL-35	7314150214754	358	10	10	387
3625ARL-50	7314150214761	358	10	10	387
3625ARL-60	7314150214778	358	10	6	387
3625ARLH-35	7314150218677	358	10	10	387
3625ARLH-50	7314150218684	358	10	10	387
3625ARLH-60	7314150218691	358	10	10	387
3625N-22	7314151073602	358	10	5	386
3625N-27	7314151073626	358	10	5	386
3625N-32	7314151073640	358	10	5	386
3625N-35	7314151073664	358	10	5	386
3625N-40	7314151073688	358	10	5	386
3625N-50	7314151073701	358	10	1	386
3625N-60	7314151073718	358	10	1	386
3625NL-22	7314151073831	358	10	1	386
3625NL-27	7314151073848	358	10	1	386
3625NL-32	7314151073855	358	10	1	386
3625NL-35	7314151073862	358	10	1	386
3625NL-40	7314151073879	358	10	1	386



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3625NL-50	7314151073886	358	10	1	386
3625NL-60	7314151073893	358	10	1	386
3625PU-105	7314150170098	358	10	1	385
3625PU-30	7311518276119	358	10	12	385
3625PU-50	7311518276126	358	10	6	385
3625PU-60	7311518276133	358	10	6	385
3625RM-55	7314150120758	358	10	1	386
3625RM-65	7314150120765	358	10	1	386
3625RM-75	7314153019820	358	10	1	386
3625RM-90	7314150120390	358	10	1	386
3625S-28	7314150183906	358	10	6	387
3625S-35	7314150183913	358	10	6	387
3625S-44	7314150183920	358	10	6	387
3625W-22	7314150120406	358	10	6	387
3625W-28	7314150120413	358	10	6	387
3625W-35	7314150120420	358	10	1	387
3625W-44	7314150120437	358	10	6	387
3625W-55	7314150120444	358	10	6	387
3625WL-22	7314150120451	358	10	10	387
3625WL-28	7314150120468	358	10	10	387
3625WL-35	7314150120475	358	10	10	387
3625WL-44	7314150120482	358	10	10	387
3625WL-55	7314150120499	358	10	6	387
3625WLH-22	7314150219025	358	10	5	387
3625WLH-28	7314150218981	358	10	5	387
3625WLH-35	7314150218998	358	10	5	387
3625WLH-44	7314150219001	358	10	5	387
3625WLH-55	7314150219018	358	10	5	387
3625Y-22	7314151074074	358	10	1	386
3625Y-27	7314151074081	358	10	1	386
3625Y-32	7314151074098	358	10	1	386
3625Y-35	7314151074104	358	10	1	386
3625Y-40	7314151074111	358	10	1	386
3625Y-50	7314151074128	358	10	1	386
3625Y-60	7314151074135	358	10	1	386
3625YL-22	7314151074159	358	10	1	386
3625YL-27	7314151074166	358	10	1	386
3625YL-32	7314151074173	358	10	1	386
3625YL-35	7314151074180	358	10	1	386
3625YL-40	7314151074197	358	10	1	386
3625YL-50	7314151074203	358	10	1	386
3625YL-60	7314151074210	358	10	1	386
363-32	7311518295578	358	10	1	204
3640-150-C	7314150180691	358	15	6	389
3640-175-C	7314150180707	358	15	6	389
3640-200-C	7314150180714	358	15	5	389
3640-250-C	7314150180721	358	15	6	389
3640-300-C	7314150180738	358	15	6	389
3640/6T	7314150220052	358	15	1	389
3643-100	7314151074654	358	15	5	393
3643-120	7314151074678	358	15	5	393
3643-150	7314151074685	358	15	5	393
3644-120	7314151074708	358	15	5	393
3644-125	7314151074722	358	15	5	393
3644-130	7314151074746	358	15	5	393
3644-150	7314151074760	358	15	5	393
3644-165	7314151074777	358	15	5	393
3644-180	7314151074791	358	15	5	393
3644-200	7314151074807	358	15	5	393
3645-150-C	7314150180745	358	15	5	389
3645-200-C	7314150180752	358	15	6	389
3645-250-C	7314150180769	358	15	6	389
3646-115	7314151074937	358	15	5	393
3646-125	7314151074944	358	15	5	393
3646-150	7314151074951	358	15	5	393
3646-165	7314151074968	358	15	5	393
3646-180	7314151074975	358	15	5	393
3646-200	7314151074982	358	15	5	393
3646/6	7314151074999	358	15	1	393
3654BM-15	7314150220762	358	15	5	390
3654BM-20	7314150220779	358	15	5	390
3654BMS/7	7314150220816	358	15	1	390
3654R	7314151075132	358	15	1	394
3656/10	7314151075279	358	15	1	394
3658A-2	7314151075293	358	15	5	393
3658A-3	7314151075309	358	15	5	393
3658A-4	7314151075316	358	15	5	393
3658A-5	7314151075323	358	15	5	393
3658A-6	7314151075330	358	15	5	393









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3658A-8	7314151075347	358	15	5	393
3658A/6	7314151075354	358	15	1	393
3659-0.9	7314151075507	358	15	5	393
3659-1.4	7314151075514	358	15	5	393
3659-1.8	7314151597351	358	15	5	393
3659-2.4	7314151075538	358	15	5	393
3659-2.8	7314151597436	358	15	5	393
3659-3.4	7314151075552	358	15	5	393
3659-3.9	7314151075569	358	15	5	393
3659-6.0	7314151075576	358	15	5	393
3659/8	7314151075583	358	15	1	393
3659/8T	7314151472573	358	15	1	394
3680	7314151075835	322	25	1	276
3681-11	7314150132980	322	25	1	276
3681-16	7314150132997	322	25	1	276
3681-20	7314150133000	322	25	1	276
3683	7314151075866	322	25	1	276
3684-16	7314150133017	322	25	1	277
3684-18	7314150133024	322	25	1	277
3684-24	7314150133031	322	25	1	277
3684-30	7314150133048	322	25	1	277
369	7311518016524	330	10	4	355
369-BLADE	7311518016531	330	10	20	355
370-4	7311518296193	338	10	1	205
372-1.1/2	7314150133239	338	10	1	205
372-12	7314150133284	338	10	1	205
372-2.1/2	7314150133246	338	10	1	205
372-4	7314150133253	338	10	1	205
372-6	7314150133260	338	10	1	205
372-8	7314150133277	338	10	1	205
3733-2	7314151834371	358	15	5	391
3733-3	7314151834388	358	15	5	391
3733-4	7314151834395	358	15	5	391
3733-5	7314151834401	358	15	5	391
3733-6	7314151834418	358	15	5	391
3733S/5	7314150220809	358	15	1	392
3734-2	7314151834296	358	15	5	392
3734-3	7314151834319	358	15	5	392
3734-4	7314151834326	358	15	5	392
3734-5	7314151834333	358	15	5	392
3734-6	7314151834340	358	15	5	392
3734-8	7314151834357	358	15	5	392
3734BM-10	7314150220748	358	15	5	392
3734BM-2	7314150220687	358	15	5	392
3734BM-3	7314150220694	358	15	5	392
3734BM-4	7314150220700	358	15	5	392
3734BM-5	7314150220717	358	15	5	392
3734BM-6	7314150220724	358	15	5	392
3734BM-8	7314150220731	358	15	5	392
3734BMS/7	7314150220755	358	15	1	392
3734N-10-150	7314150218110	358	15	10	392
3734N-2-150	7314150218042	358	15	10	392
3734N-3-150	7314150218059	358	15	10	392
3734N-4-150	7314150218066	358	15	10	392
3734N-5-150	7314150218073	358	15	10	392
3734N-6-150	7314150218080	358	15	10	392
3734N-7-150	7314150218097	358	15	10	392
3734N-8-150	7314150218103	358	15	10	392
3734N-9-150	7314150218127	358	15	10	392
3734NS/9	7314150218134	358	15	20	392
3734S/6	7314151834470	358	15	1	393
3735-4-120	7314151834265	358	15	5	391
3735-5-120	7314151834272	358	15	5	391
3735-5-150	7314151834289	358	15	5	391
3735-AU	7314150125050	358	15	1	392
3735N-2-100	7314150217953	358	15	10	391
3735N-4-120	7314150217960	358	15	10	391
3735N-5-120	7314150217977	358	15	10	391
3735N-6-150	7314150217984	358	15	10	391
3735N-8-150	7314150217991	358	15	10	391
3735NS/4	7314150218004	358	15	50	391
3736M-200	7314150220878	358	15	5	390
3736M-250	7314151834142	358	15	5	390
3736M-300	7314151834159	358	15	5	390
3736M-400	7314151834166	358	15	5	390
3736MH-250	7314151834173	358	15	2	390
3736MH-300	7314151834180	358	15	2	390
3736MH-400	7314151834197	358	15	2	390
3736S/6	7314151834463	358	15	1	392



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3739-250	7314151834203	358	15	5	390
3739-300	7314151834210	358	15	5	390
3739-400	7314151834227	358	15	5	390
3739H-250	7314151834234	358	15	2	390
3739H-300	7314151834241	358	15	2	390
3739H-400	7314151834258	358	15	2	390
3740-100	7314151834005	358	15	5	389
3740-125	7314151834012	358	15	5	389
3740-150	7314151834029	358	15	5	389
3740-175	7314151834036	358	15	5	389
3740-200	7314151834043	358	15	5	389
3740-250	7314151834050	358	15	5	389
3740-300	7314151834067	358	15	5	389
3745-150	7314151834081	358	15	5	389
3745-175	7314151834098	358	15	5	389
3745-200	7314151834104	358	15	5	389
3745-250	7314151834111	358	15	5	389
375-8	7311518296209	338	10	1	205
3750	7314151834128	358	15	5	390
3750H	7314151834135	358	15	1	390
3755BM-4	7314150220663	358	15	5	391
3755BM-6	7314150220670	358	15	5	391
38	7314150021734	340	45	1	197
38-12	7314151831264	312	25	5	244
38-16	7314151831271	312	25	5	244
38-20	7314151831288	312	25	2	244
38-24	7314151831295	312	25	1	244
38-8	7314151831257	312	25	5	244
380-10	7314150133178	338	10	1	202
380-14	7314150133185	338	10	1	202
380-18	7314150133192	338	10	1	202
380-24	7314150133208	338	10	1	202
380-36	7314150133215	338	10	1	202
380-48	7314150133222	338	10	1	202
3802-300-25-1.25-10	7311518111229	342	15	10	12
3802-300-25-1.25-14	7311518111236	342	15	10	12
3802-300-25-1.25-6	7311518143299	342	15	10	12
3802-300-32-1.60-10	7311518111274	342	15	10	12
3802-300-32-1.60-6	7311518111298	342	15	10	12
3802-350-25-1.25-10	7311518111335	342	15	10	12
3802-350-25-1.25-14	7311518111342	342	15	10	12
3802-350-25-1.25-6	7311518111359	342	15	10	12
3802-350-32-1.60-10	7311518111397	342	15	10	12
3802-350-32-1.60-14	7311518111403	342	15	10	12
3802-350-32-1.60-4	7311518111410	342	15	10	12
3802-350-32-1.60-6	7311518111427	342	15	10	12
3802-350-32-1.60-8	7311518140908	342	15	10	12
3802-400-25-1.25-10	7311518111496	342	15	10	12
3802-400-25-1.25-14	7311518111502	342	15	10	12
3802-400-25-1.25-6	7311518111519	342	15	10	12
3802-400-32-1.60-10	7311518111557	342	15	10	12
3802-400-32-1.60-14	7311518111564	342	15	10	12
3802-400-32-1.60-4	7311518111571	342	15	10	12
3802-400-32-1.60-6	7311518111588	342	15	10	12
3802-400-32-1.60-8	7311518111595	342	15	10	12
3802-400-38-2.00-10	7311518111649	342	15	10	12
3802-400-38-2.00-4	7311518111656	342	15	10	12
3802-400-38-2.00-6	7311518111663	342	15	10	12
3802-425-32-1.60-10	7311518111694	342	15	10	12
3802-425-32-1.60-6	7311518111700	342	15	10	12
3802-450-32-1.60-10	7311518111731	342	15	10	13
3802-450-32-1.60-14	7311518111748	342	15	10	13
3802-450-32-1.60-4	7311518111755	342	15	10	12
3802-450-32-1.60-6	7311518111762	342	15	10	12
3802-450-38-2.00-10	7311518111816	342	15	10	13
3802-450-38-2.00-10-KA	7311518111823	342	15	10	13
3802-450-38-2.00-4	7311518111830	342	15	10	13
3802-450-38-2.00-4-KA	7311518111847	342	15	10	13
3802-450-38-2.00-6	7311518111854	342	15	10	13
3802-450-38-2.00-6-KA	7311518111861	342	15	10	13
3802-450-38-2.00-8	7311518111878	342	15	10	13
3802-450-38-2.00-8-KA	7311518111885	342	15	10	13
3802-475-38-2.00-8	7311518113117	342	15	10	13
3802-500-38-2.00-10	7311518111953	342	15	10	13
3802-500-38-2.00-4	7311518111960	342	15	10	13
3802-500-38-2.00-6	7311518111977	342	15	10	13
3802-500-38-2.00-8	7311518113070	342	15	10	13
3802-500-50-2.50-4	7311518112028	342	15	10	13
3802-500-50-2.50-4-KA	7311518112035	342	15	10	13

		ACCOUNT SUBGROUP 			
3802-500-50-2.50-6	7311518112042	342	15	10	13
3802-500-50-2.50-6-KA	7311518112059	342	15	10	13
3802-525-38-2.00-10	7311518112073	342	15	10	13
3802-525-38-2.00-6	7311518112097	342	15	10	13
3802-525-38-2.00-8	7311518112103	342	15	10	13
3802-550-38-2.00-6	7311518112158	342	15	10	13
3802-550-50-2.50-10	7311518112196	342	15	10	13
3802-550-50-2.50-4	7311518112202	342	15	10	13
3802-550-50-2.50-4-KA	7311518112219	342	15	10	13
3802-550-50-2.50-6	7311518112226	342	15	10	13
3802-550-50-2.50-8	7311518112240	342	15	10	13
3802-550-50-2.50-8-KA	7311518113315	342	15	10	13
3802-575-50-2.50-3-KA	7311518112301	342	15	10	13
3802-575-50-2.50-4	7311518112318	342	15	10	13
3802-575-50-2.50-4-KA	7311518112325	342	15	10	13
3802-575-50-2.50-6	7311518112332	342	15	10	13
3802-575-50-2.50-6-KA	7311518112349	342	15	10	13
3802-600-50-2.50-4	7311518112417	342	15	10	13
3802-600-50-2.50-6	7311518112431	342	15	10	13
3802-600-50-2.50-8	7311518112455	342	15	10	13
3802-650-50-2.50-4	7311518112509	342	15	5	13
3802-650-50-2.50-4-KA	7311518112523	342	15	5	13
3802-650-50-2.50-6	7311518112530	342	15	5	13
3802-650-50-2.50-6-KA	7311518112554	342	15	5	13
3802-700-50-2.50-2-KA	7311518112578	342	15	5	13
3802-700-50-2.50-3	7311518112585	342	15	5	13
3802-700-50-2.50-4	7311518112608	342	15	5	13
3802-700-50-2.50-4-KA	7311518112615	342	15	5	13
3802-700-50-2.50-6	7311518112622	342	15	5	13
3802-700-50-2.50-6-KA	7311518112639	342	15	5	13
3802-750-50-2.50-4	7311518112660	342	15	5	13
3802-750-50-2.50-6	7311518112677	342	15	5	13
3806-600-32	7311518018092	328	15	10	350
3809-300-25-1.25-10	7311518113711	342	10	10	11
3809-300-25-1.25-14	7311518113728	342	10	10	11
3809-300-32-1.60-10	7311518113735	342	10	10	11
3809-300-32-1.60-6	7311518113742	342	10	10	11
3809-350-25-1.25-10	7311518113759	342	10	10	11
3809-350-25-1.25-14	7311518113766	342	10	10	11
3809-350-25-1.25-6	7311518113773	342	10	10	11
3809-350-32-1.60-10	7311518113780	342	10	10	11
3809-350-32-1.60-14	7311518113797	342	10	10	11
3809-350-32-1.60-4	7311518113803	342	10	10	11
3809-350-32-1.60-6	7311518113810	342	10	10	11
3809-350-32-1.60-8	7311518113827	342	10	10	11
3809-350-32-2.00-10	7311518113834	342	10	10	11
3809-350-32-2.00-4	7311518113841	342	10	10	11
3809-350-32-2.00-6	7311518113858	342	10	10	11
3809-350-38-2.00-10	7311518113865	342	10	10	11
3809-350-38-2.00-6	7311518113889	342	10	10	11
3809-400-25-1.25-10	7311518178666	342	10	10	11
3809-400-32-1.60-10	7311518113896	342	10	10	11
3809-400-32-1.60-14	7311518113902	342	10	10	11
3809-400-32-1.60-4	7311518113919	342	10	10	11
3809-400-32-1.60-6	7311518113933	342	10	10	11
3809-400-32-1.60-8	7311518113940	342	10	10	11
3809-400-32-2.00-10	7311518113957	342	10	10	11
3809-400-32-2.00-4	7311518113964	342	10	10	11
3809-400-32-2.00-6	7311518113971	342	10	10	11
3809-400-32-2.00-6-KA	7311518158248	342	10	10	12
3809-400-32-2.00-8	7311518114152	342	10	10	12
3809-400-38-2.00-10	7311518113988	342	10	10	12
3809-400-38-2.00-4	7311518113995	342	10	10	11
3809-400-38-2.00-6	7311518114008	342	10	10	12
3809-425-32-1.60-10	7311518114015	342	10	10	12
3809-425-32-1.60-6	7311518197759	342	10	10	12
3809-450-32-1.60-10	7311518114022	342	10	10	12
3809-450-32-1.60-14	7311518114039	342	10	10	12
3809-450-32-1.60-4	7311518114046	342	10	10	12
3809-450-32-1.60-6	7311518114053	342	10	10	12
3809-450-32-2.00-10	7311518114060	342	10	10	12
3809-450-32-2.00-4	7311518114077	342	10	10	12
3809-450-32-2.00-6	7311518114084	342	10	10	12
3809-450-38-2.00-10	7311518114091	342	10	10	12
3809-450-38-2.00-10-KA	7311518114107	342	10	10	12
3809-450-38-2.00-4	7311518114114	342	10	10	12
3809-450-38-2.00-4-KA	7311518114121	342	10	10	12
3809-450-38-2.00-6	7311518114138	342	10	10	12
3809-450-38-2.00-6-KA	7311518114145	342	10	10	12



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3809-450-38-2.00-8	7311518114176	342	10	10	12
3809-450-45-2.25-4	7311518114206	342	10	10	12
3809-450-45-2.25-6	7311518114213	342	10	10	12
3809-475-45-2.25-6	7311518114237	342	10	10	12
3809-500-38-2.00-10	7311518114244	342	10	10	12
3809-500-38-2.00-4	7311518114251	342	10	10	12
3809-500-38-2.00-6	7311518114268	342	10	10	12
3809-500-45-2.25-4	7311518114275	342	10	10	12
3809-500-45-2.25-6	7311518114299	342	10	10	12
3809-500-45-2.25-6-KA	7311518114305	342	10	10	12
3809-500-50-2.50-4	7311518114312	342	10	10	12
3809-500-50-2.50-4-KA	7311518114329	342	10	10	12
3809-500-50-2.50-6	7311518114336	342	10	10	12
3809-500-50-2.50-6-KA	7311518114343	342	10	10	12
3809-500-50-2.50-8	7311518114350	342	10	10	12
3809-525-38-2.00-10	7311518114367	342	10	10	12
3809-525-38-2.00-6	7311518114374	342	10	10	12
3809-525-45-2.25-4	7311518114381	342	10	10	12
3809-525-45-2.25-6	7311518114398	342	10	10	12
3809-550-45-2.25-4	7311518114411	342	10	10	12
3809-550-45-2.25-6	7311518114428	342	10	10	12
3809-550-50-2.50-4	7311518114435	342	10	10	12
3809-550-50-2.50-4-KA	7311518114442	342	10	10	12
3809-550-50-2.50-6	7311518114459	342	10	10	12
3809-550-50-2.50-6-KA	7311518114466	342	10	10	12
3809-575-45-2.25-4	7311518114473	342	10	10	12
3809-575-50-2.50-10-KA	7311518114497	342	10	10	12
3809-575-50-2.50-3	7311518114602	342	10	10	12
3809-575-50-2.50-3-KA	7311518114503	342	10	10	12
3809-575-50-2.50-4	7311518114510	342	10	10	12
3809-575-50-2.50-4-KA	7311518114527	342	10	10	12
3809-575-50-2.50-6	7311518114534	342	10	10	12
3809-575-50-2.50-6-KA	7311518114541	342	10	10	12
3809-600-38-2.00-6	7311518227579	342	10	10	12
3809-600-45-2.25-4	7311518172275	342	10	10	12
3809-600-45-2.25-6	7311518114558	342	10	10	12
3809-600-50-2.50-3	7311518114565	342	10	10	12
3809-600-50-2.50-4	7311518114572	342	10	10	12
3809-600-50-2.50-4-KA	7311518114589	342	10	10	12
3809-600-50-2.50-6	7311518114596	342	10	10	12
3809-600-50-2.50-6-KA	7311518114626	342	10	10	12
3809-650-50-2.50-3-KA	7311518114640	342	10	5	12
3809-650-50-2.50-4	7311518114657	342	10	5	12
3809-650-50-2.50-4-KA	7311518114664	342	10	5	12
3809-650-50-2.50-6	7311518114671	342	10	5	12
3809-650-50-2.50-6-KA	7311518114688	342	10	5	12
3809-700-50-2.50-3-KA	7311518114695	342	10	5	12
3809-700-50-2.50-4	7311518114701	342	10	5	12
3809-700-50-2.50-4-KA	7311518114718	342	10	5	12
3809-700-50-2.50-6	7311518114725	342	10	5	12
3809-700-50-2.50-6-KA	7311518114732	342	10	5	12
3809-750-50-2.50-4	7311518114749	342	10	5	12
3809-750-50-2.50-6	7311518234409	342	10	5	12
3810-600-32	7311518002886	316	15	10	350
3815-200-2,0-32-1-03BW	7311518160258	346	10	1	21
3815-200-2,0-32-1-04BW	7311518160241	346	10	1	21
3815-225-2,0-32-1-03BW	7311518160319	346	10	1	21
3815-225-2,0-32-1-04BW	7311518158347	346	10	1	21
3815-225-2,0-32-1-05BW	7311518160302	346	10	1	21
3815-225-2,0-32-1-06C	7311518160296	346	10	1	21
3815-250-2,0-32-1-03BW	7311518160586	346	10	1	21
3815-250-2,0-32-1-03BWS	7311518167851	346	10	1	21
3815-250-2,0-32-1-04BW	7311518160579	346	10	1	21
3815-250-2,0-32-1-04BWS	7311518174392	346	10	1	21
3815-250-2,0-32-1-05BW	7311518158354	346	10	1	21
3815-250-2,0-32-1-06C	7311518160562	346	10	1	21
3815-250-2,0-40-2-03BW	7311518160340	346	10	1	21
3815-250-2,0-40-2-04BW	7311518174446	346	10	1	21
3815-250-2,0-40-2-05BW	7311518160333	346	10	1	21
3815-275-2,5-32-1-04BW	7311518160593	346	10	1	21
3815-275-2,5-32-1-04BWS	7311518185541	346	10	1	21
3815-275-2,5-32-1-05BW	7311518158361	346	10	5	21
3815-275-2,5-32-1-06C	7311518174590	346	10	1	21
3815-275-2,5-32-1-08C	7311518174583	346	10	1	21
3815-275-2,5-40-2-03BW	7311518176433	346	10	1	21
3815-275-2,5-40-2-04BW	7311518160623	346	10	1	21
3815-275-2,5-40-2-05BW	7311518158378	346	10	1	21
3815-275-2,5-40-2-06C	7311518160616	346	10	1	21
3815-275-2,5-40-2-08C	7311518160609	346	10	1	21



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3815-300-2.5-32-1-04BW	7311518160630	346	10	1	21
3815-300-2.5-32-1-05BW	7311518158385	346	10	1	21
3815-300-2.5-32-1-05C	7311518174699	346	10	1	21
3815-300-2.5-32-1-06C	7311518174705	346	10	1	21
3815-300-2.5-32-1-08C	7311518174712	346	10	1	21
3815-315-2.5-32-1-04BW	7311518160210	346	10	1	21
3815-315-2.5-32-1-05BW	7311518160203	346	10	1	21
3815-315-2.5-32-1-06C	7311518160197	346	10	1	21
3815-315-2.5-32-1-08C	7311518160401	346	10	1	21
3815-315-2.5-40-2-04BW	7311518160456	346	10	1	21
3815-315-2.5-40-2-05BW	7311518160449	346	10	1	21
3815-315-3,0-40-2-06C	7311518174842	346	10	1	21
3815-350-2.5-32-1-04BW	7311518197605	346	10	1	21
3815-350-2.5-32-1-06C	7311518197612	346	10	1	21
3815-370-3,0-50-4-08C	7311518174989	346	10	1	21
3815-370-3,0-50-4-10C	7311518174996	346	10	1	21
3815-400-3,5-50-4-10C	7311518160494	346	10	1	21
3816-300	7311518015749	328	20	5	349
383-6T	7311518128876	330	20	4	413
3830-102-C	7311518225612	332	10	1	14
3830-102-VIP	7311518042035	332	10	4	14
3830-105-C	7311518225629	332	10	1	14
3830-105-VIP	7311518042042	332	10	4	14
3830-108-C	7311518228521	332	10	1	14
3830-108-VIP	7311518042059	332	10	4	14
3830-111-C	7311518228538	332	10	1	14
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3830-14-VIP	7311518041618	332	10	6	14
3830-140-C	7311518228552	332	10	1	14
3830-140-VIP	7311518042110	332	10	1	14
3830-146-C	7311518228569	332	10	1	14
3830-146-VIP	7311518042127	332	10	1	14
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3830-168	7311518040659	332	10	1	14
3830-17-C	7311518228354	332	10	1	14
3830-17-VIP	7311518041632	332	10	6	14
3830-177-HIGH	7311518101329	332	10	1	14
3830-19-C	7311518225360	332	10	1	14
3830-19-VIP	7311518041649	332	10	6	14
3830-20-C	7311518225377	332	10	1	14
3830-20-VIP	7311518041656	332	10	6	14
3830-21-C	7311518228361	332	10	1	14
3830-21-VIP	7311518041663	332	10	6	14
3830-210	7311518040666	332	10	1	14
3830-22-C	7311518225384	332	10	1	14
3830-22-VIP	7311518041670	332	10	6	14
3830-24-C	7311518228378	332	10	1	14
3830-24-VIP	7311518041687	332	10	6	14
3830-25-C	7311518225391	332	10	1	14
3830-25-VIP	7311518041694	332	10	6	14
3830-27-C	7311518225407	332	10	1	14
3830-27-VIP	7311518041700	332	10	6	14
3830-29-C	7311518225414	332	10	1	14
3830-29-VIP	7311518041717	332	10	6	14
3830-30-C	7311518225421	332	10	1	14
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3830-32-VIP	7311518041731	332	10	6	14
3830-33-C	7311518228385	332	10	1	14
3830-33-VIP	7311518041748	332	10	6	14
3830-35-C	7311518225445	332	10	1	14
3830-35-VIP	7311518041755	332	10	6	14
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3830-37-VIP	7311518041762	332	10	6	14
3830-38-C	7311518225452	332	10	1	14
3830-38-VIP	7311518041779	332	10	6	14
3830-40-C	7311518228408	332	10	1	14

3830-40-VIP	7311518041786	332	10	6	14
3830-41-C	7311518225469	332	10	1	14
3830-41-VIP	7311518041793	332	10	6	14
3830-43-C	7311518228415	332	10	1	14
3830-43-VIP	7311518041809	332	10	6	14
3830-44-C	7311518225476	332	10	1	14
3830-44-VIP	7311518041816	332	10	6	14
3830-46-C	7311518228422	332	10	1	14
3830-46-VIP	7311518041823	332	10	6	14
3830-48-C	7311518225483	332	10	1	14
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3830-51-C	7311518225490	332	10	1	14
3830-51-VIP	7311518041847	332	10	6	14
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3830-54-C	7311518225506	332	10	1	14
3830-54-VIP	7311518041861	332	10	4	14
3830-55-C	7311518270919	332	10	1	14
3830-55-VIP	7311518270902	332	10	4	14
3830-56-C	7311518228446	332	10	1	14
3830-56-VIP	7311518152703	332	10	4	14
3830-57-C	7311518225513	332	10	1	14
3830-57-VIP	7311518041878	332	10	4	14
3830-59-C	7311518228453	332	10	1	14
3830-59-VIP	7311518041885	332	10	4	14
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3830-60-VIP	7311518041892	332	10	4	14
3830-62-VIP	7311518234645	332	10	4	14
3830-64-C	7311518225537	332	10	1	14
3830-64-VIP	7311518041908	332	10	4	14
3830-65-C	7311518228460	332	10	1	14
3830-65-VIP	7311518041915	332	10	4	14
3830-67-C	7311518225544	332	10	1	14
3830-67-VIP	7311518041922	332	10	4	14
3830-68-C	7311518228477	332	10	1	14
3830-68-VIP	7311518196530	332	10	4	14
3830-70-C	7311518225551	332	10	1	14
3830-70-VIP	7311518041939	332	10	4	14
3830-73-C	7311518228484	332	10	1	14
3830-73-VIP	7311518041946	332	10	4	14
3830-76-C	7311518225568	332	10	1	14
3830-76-VIP	7311518041953	332	10	4	14
3830-79-C	7311518228491	332	10	1	14
3830-79-VIP	7311518041960	332	10	4	14
3830-83-C	7311518225575	332	10	1	14
3830-83-VIP	7311518041977	332	10	4	14
3830-86-C	7311518228507	332	10	1	14
3830-86-VIP	7311518041984	332	10	4	14
3830-89-C	7311518225582	332	10	1	14
3830-89-VIP	7311518041991	332	10	4	14
3830-92-C	7311518225599	332	10	1	14
3830-92-VIP	7311518042004	332	10	4	14
3830-95-C	7311518225605	332	10	1	14
3830-95-VIP	7311518042011	332	10	4	14
3830-98-C	7311518228514	332	10	1	14
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3832-105	7311518558581	332	15	4	15
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3832-111	7311518558611	332	15	4	15
3832-114	7311518558628	332	15	4	15
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3832-127	7311518558666	332	15	1	15
3832-133	7311518558673	332	15	1	15
3832-14	7311518557744	332	15	6	14
3832-140	7311518558680	332	15	1	15
3832-146	7311518558697	332	15	1	15
3832-152	7311518558703	332	15	1	15
3832-16	7311518557768	332	15	6	14
3832-17	7311518557782	332	15	6	14
3832-19	7311518557805	332	15	6	14
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3832-57	7311518558246	332	15	4	14
3832-59	7311518558260	332	15	4	14
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3832-64	7311518558307	332	15	4	14
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3832-79	7311518558420	332	15	4	14
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3832-92	7311518558505	332	15	4	15
3832-95	7311518558529	332	15	4	15
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3833-105-C	7314150263905	332	17	1	15
3833-108-C	7314150263912	332	17	1	15
3833-109-C	7314150263929	332	17	1	15
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3833-114-C	7314150263943	332	17	1	15
3833-121-C	7314150263950	332	17	1	15
3833-127-C	7314150263967	332	17	1	15
3833-140-C	7314150263974	332	17	1	15
3833-152-C	7314150263981	332	17	1	15
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3833-19-C	7314150263561	332	17	1	15
3833-20-C	7314150263578	332	17	1	15
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3833-35-C	7314150263646	332	17	1	15
3833-38-C	7314150263653	332	17	1	15
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3833-64-C	7314150263745	332	17	1	15
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3833-67-C	7314150263769	332	17	1	15
3833-68-C	7314150263776	332	17	1	15
3833-70-C	7314150263783	332	17	1	15
3833-73-C	7314150263790	332	17	1	15
3833-76-C	7314150263806	332	17	1	15
3833-77-C	7314150263813	332	17	1	15
3833-79-C	7314150263820	332	17	1	15
3833-83-C	7314150263837	332	17	1	15
3833-86-C	7314150263844	332	17	1	15
3833-89-C	7314150263851	332	17	1	15
3833-92-C	7314150263868	332	17	1	15
3833-95-C	7314150263875	332	17	1	15
3833-98-C	7314150263882	332	17	1	15
3834-ADP	7311518454425	332	20	1	16

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3834-ARBR-11152	7311518015596	332	20	1	15
3834-ARBR-11152-C	7311518225698	332	20	1	15
3834-ARBR-11152QC	7311518167967	332	20	1	15
3834-ARBR-11152QC-C	7311518225711	332	20	1	15
3834-ARBR-1130	7311518015572	332	20	1	15
3834-ARBR-1130-C	7311518228583	332	20	1	15
3834-ARBR-16152	7311518015602	332	20	1	15
3834-ARBR-16152QC	7311518453152	332	20	1	15
3834-ARBR-630	7311518015558	332	20	1	15
3834-ARBR-630-C	7311518228576	332	20	1	15
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3834-ARBR-730-C	7311518225674	332	20	1	15
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3834-ARBR-9100-C	7311518228590	332	20	1	15
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3834-ARBR-9100ES	7314150265060	332	20	1	15
3834-ARBR-9100QC	7311518249830	332	20	1	15
3834-ARBR-9100QC-C	7311518225704	332	20	1	15
3834-ARBR-930	7311518015565	332	20	1	15
3834-ARBR-930-C	7311518225681	332	20	1	15
3834-ARBR-930EL	7314150265053	332	20	1	15
3834-ARBR-930ES	7314150265046	332	20	1	15
3834-ARBR-SD152QC	7311518203825	332	20	1	15
3834-ARBR-SD30	7311518203818	332	20	1	15
3834-DRL	7311518234638	332	20	1	15
3834-DRL-CT	7311518953201	332	20	1	15
3834-DRL-EL	7314150265114	332	20	1	16
3834-DRL-ES	7314150265091	332	20	1	16
3834-DRL-L	7314150265138	332	20	1	16
3834-ES	7311518454418	332	20	1	16
3834-EXT-1	7311518040673	332	20	1	16
3834-EXT-2	7311518168070	332	20	1	16
3834-SET-103	7314150134908	332	10	1	19
3834-SET-42	7311518241988	332	10	1	16
3834-SET-53	7314150127153	332	10	1	16
3834-SET-61	7311518266431	332	10	1	16
3834-SET-62	7311518228040	332	10	1	17
3834-SET-62-16/50	7311518258887	332	10	1	17
3834-SET-65-16/51	7311518159900	332	10	1	17
3834-SET-65-22/64	7311518159917	332	10	1	17
3834-SET-72	7311518044992	332	10	1	17
3834-SET-73	7311518254339	332	10	1	17
3834-SET-73-22/68	7314150134809	332	10	1	18
3834-SET-86	7311518224295	332	10	1	18
3834-SET-87	7311518181772	332	10	1	18
3834-SET-92	7311518044985	332	10	1	18
3834-SET-94	7311518166458	332	10	1	18
3834-SET-95	7311518159894	332	10	1	18
384-5T	7311518159795	330	20	4	413
384-6T	7311518002039	330	20	4	413
3840-100-10-ST-5P	7311518235840	346	35	5	19
3840-100-14-SC-5P	7311518235574	346	35	5	19
3840-100-14-ST-10P	7311518238650	346	35	1	19
3840-100-14-ST-5P	7311518235932	346	35	5	19
3840-100-18-SC-5P	7311518235581	346	35	5	19
3840-100-18-ST-10P	7311518238667	346	35	1	19
3840-100-18-ST-5P	7311518236052	346	35	5	19
3840-100-24-ST-10P	7311518238674	346	35	1	19
3840-100-24-ST-5P	7311518236168	346	35	5	19
3840-100-6-ST-5P	7311518235642	346	35	5	19
3840-150-10-HST-10P	7314150194827	346	35	1	19
3840-150-10-HST-5P	7314150194773	346	35	5	19
3840-150-10-ST-100P	7311518235895	346	35	1	19
3840-150-10-ST-10P	7311518238698	346	35	1	19
3840-150-10-ST-5P	7311518235871	346	35	5	19
3840-150-14-HST-10P	7314150194810	346	35	1	19
3840-150-14-HST-5P	7314150194766	346	35	5	19
3840-150-14-ST-100P	7311518235970	346	35	1	19
3840-150-14-ST-10P	7311518238704	346	35	1	19
3840-150-14-ST-5P	7311518235956	346	35	5	19
3840-150-18-HST-10P	7314150194803	346	35	1	19
3840-150-18-HST-5P	7314150194759	346	35	5	19
3840-150-18-ST-100P	7311518236090	346	35	1	19
3840-150-18-ST-10P	7311518238711	346	35	1	19
3840-150-18-ST-5P	7311518236076	346	35	5	19
3840-150-24-ST-100P	7311518236205	346	35	1	19
3840-150-24-ST-10P	7311518238728	346	35	1	19
3840-150-24-ST-5P	7311518236182	346	35	5	19
3840-150-4/6-SC-10P	7311518238735	346	35	1	19



ACCOUNT SUBGROUP



3840-150-4/6-SC-5P	7311518235598	346	35	5	19
3840-150-5/8-DSL-10P	7311518238742	346	35	1	19
3840-150-5/8-DSL-5P	7311518236212	346	35	5	19
3840-150-5/8-SL-100P	7311518235628	346	35	1	19
3840-150-5/8-SL-10P	7311518238759	346	35	1	19
3840-150-5/8-SL-5P	7311518235611	346	35	5	19
3840-150-6-ST-10P	7311518238766	346	35	1	19
3840-150-6-ST-5P	7311518235680	346	35	5	19
3840-150-8/12-ST-100P	7311518235772	346	35	1	19
3840-150-8/12-ST-10P	7311518238773	346	35	1	19
3840-150-8/12-ST-5P	7311518235758	346	35	5	19
3840-228-10-DSL-10P	7314150194964	346	35	1	19
3840-228-10-DSL-5P	7314150194957	346	35	5	19
3840-228-10-HST-10P	7314150194889	346	35	1	19
3840-228-10-HST-5P	7314150194834	346	35	5	19
3840-228-10-ST-100P	7311518235925	346	35	1	19
3840-228-10-ST-10P	7311518238780	346	35	1	19
3840-228-10-ST-5P	7311518235901	346	35	5	19
3840-228-10/14-PR09-100P	7311518255213	346	35	1	20
3840-228-10/14-PR09-10P	7311518255190	346	35	1	20
3840-228-10/14-PR13-100P	7311518255220	346	35	1	20
3840-228-10/14-PR13-10P	7311518255206	346	35	1	20
3840-228-14-HST-10P	7314150194872	346	35	1	19
3840-228-14-HST-5P	7314150194841	346	35	5	19
3840-228-14-ST-100P	7311518236007	346	35	1	19
3840-228-14-ST-10P	7311518238797	346	35	1	19
3840-228-14-ST-5P	7311518235987	346	35	5	19
3840-228-18-HST-10P	7314150194865	346	35	1	19
3840-228-18-HST-5P	7314150194858	346	35	5	19
3840-228-18-ST-100P	7311518236120	346	35	1	19
3840-228-18-ST-10P	7311518238803	346	35	1	19
3840-228-18-ST-5P	7311518236106	346	35	5	19
3840-228-5/8-DSL-10P	7311518238810	346	35	1	19
3840-228-5/8-DSL-5P	7311518236250	346	35	5	19
3840-228-6-SL-10P	7311518238827	346	35	1	19
3840-228-6-SL-5P	7311518235710	346	35	5	19
3840-228-8/12-ST-100P	7311518235802	346	35	1	19
3840-228-8/12-ST-10P	7311518238834	346	35	1	19
3840-228-8/12-ST-5P	7311518235789	346	35	5	19
3840-300-10-HST-10P	7314150194896	346	35	1	19
3840-300-10-HST-5P	7314150194940	346	35	5	19
3840-300-14-HST-10P	7314150194902	346	35	1	19
3840-300-14-HST-5P	7314150194933	346	35	5	19
3840-300-14-ST-100P	7311518236045	346	35	1	19
3840-300-14-ST-10P	7311518238841	346	35	1	19
3840-300-14-ST-5P	7311518236014	346	35	5	19
3840-300-18-HST-10P	7314150194919	346	35	1	19
3840-300-18-HST-5P	7314150194926	346	35	5	19
3840-300-18-ST-100P	7311518236151	346	35	1	19
3840-300-18-ST-10P	7311518238858	346	35	1	19
3840-300-18-ST-5P	7311518236137	346	35	5	19
3840-300-5/8-DSL-10P	7311518238865	346	35	1	19
3840-300-5/8-DSL-5P	7311518236274	346	35	5	19
3840-300-6-SL-10P	7311518238872	346	35	1	19
3840-300-6-SL-5P	7311518235734	346	35	5	19
3840-300-8/12-SL-10P	7311518238889	346	35	1	19
3840-300-8/12-SL-5P	7311518235826	346	35	5	19
3842-150-7-SL-10P	7311518238902	346	35	1	20
3842-150-7-SL-5P	7311518236298	346	35	5	20
3842-228-7-SL-10P	7311518238896	346	35	1	20
3842-228-7-SL-5P	7311518236311	346	35	5	20
3842-300-7-SL-10P	7311518238919	346	35	1	20
3842-300-7-SL-5P	7311518236335	346	35	5	20
3844-300-3-MEAT-1P	7311518267605	346	35	10	20
3845-18-10P	7311518101602	346	35	1	20
3845-24-10P	7311518101619	346	35	1	20
3845-32-10P	7311518101626	346	35	1	20
3846-100-G-ST-2P	7311518236410	346	35	5	20
3846-150-6-SL-1P	7311518236359	346	35	5	20
3846-150-G-ST-2P	7311518236427	346	35	5	20
3846-228-3-ST-1P	7311518236397	346	35	5	20
3846-300-3-ST-1P	7311518236403	346	35	5	20
385-6T	7311518002053	330	20	4	413
3851-10-0-6-10/14	7311518182717	314	10	1	6
3851-10-0-6-H-4	7311518282776	314	10	1	6
3851-10-0-6-H-6	7311518282806	314	10	1	6
3851-10-0-9-10/14	7311518182823	314	10	1	6
3851-10-0-9-H-4	7311518282851	314	10	1	6
3851-10-0-9-H-6	7311518282868	314	10	1	6



ACCOUNT SUBGROUP		ACCOUNT SUBGROUP		ACCOUNT SUBGROUP	
3851-13-0.5-10/14	7311518282813	314	10	1	6
3851-13-0.5-14/18	7311518282790	314	10	1	6
3851-13-0.5-R-10	7311518331306	314	10	1	6
3851-13-0.5-R-14	7311518331320	314	10	1	6
3851-13-0.5-R-18	7311518331344	314	10	1	6
3851-13-0.5-R-24	7311518282820	314	10	1	6
3851-13-0.6-10/14	7311518183271	314	10	1	6
3851-13-0.6-5/8	7311518183233	314	10	1	6
3851-13-0.6-6/10	7311518183240	314	10	1	6
3851-13-0.6-8/12	7311518185572	314	10	1	6
3851-13-0.6-H-4	7311518282745	314	10	1	6
3851-13-0.6-H-6	7311518282738	314	10	1	6
3851-13-0.6-HA-4	7311518282752	314	10	1	10
3851-13-0.6-HA-6	7311518282561	314	10	1	10
3851-13-0.9-10/14	7311518183868	314	10	1	6
3851-13-0.9-6/10	7311518183585	314	10	1	6
3851-13-0.9-H-3	7311518282936	314	10	1	6
3851-13-0.9-H-4	7311518282943	314	10	1	6
3851-13-0.9-HA-4	7311518281052	314	10	1	10
3851-20-0.9-10/14	7311518282585	314	10	1	6
3851-20-0.9-4/6	7311518183905	314	10	1	6
3851-20-0.9-5/8	7311518183929	314	10	1	6
3851-20-0.9-6/10	7311518183936	314	10	1	6
3851-20-0.9-8/12	7311518282578	314	10	1	6
3851-20-0.9-HA-3	7311518282646	314	10	1	10
3851-27-0.9-10/14	7311518165475	314	10	1	6
3851-27-0.9-2/3	7311518126377	314	10	1	6
3851-27-0.9-3/4	7311518126384	314	10	1	6
3851-27-0.9-4/6	7311518126391	314	10	1	6
3851-27-0.9-5/8	7311518126407	314	10	1	6
3851-27-0.9-6/10	7311518126414	314	10	1	6
3851-27-0.9-8/12	7311518160692	314	10	1	6
3851-27-0.9-HA-2	7311518282677	314	10	1	10
3851-27-0.9-HA-3	7311518282684	314	10	1	10
3851-27-0.9-PSG-2/3	7311518234379	314	10	1	7
3851-27-0.9-PSG-3/4	7311518234386	314	10	1	7
3851-27-0.9-PSG-4/6	7311518236618	314	10	1	7
3851-34-1.1-2/3	7311518126476	314	10	1	6
3851-34-1.1-3/4	7311518126483	314	10	1	6
3851-34-1.1-4/6	7311518126490	314	10	1	6
3851-34-1.1-5/8	7311518126506	314	10	1	6
3851-34-1.1-6/10	7311518165505	314	10	1	6
3851-34-1.1-PSG-2/3	7311518227173	314	10	1	7
3851-34-1.1-PSG-3/4	7311518227180	314	10	1	7
3851-34-1.1-PSG-4/6	7311518232368	314	10	1	7
3851-41-1.3-1.4/2	7311518211837	314	10	1	6
3851-41-1.3-2/3	7311518126568	314	10	1	6
3851-41-1.3-3/4	7311518126575	314	10	1	6
3851-41-1.3-4/6	7311518126582	314	10	1	6
3851-41-1.3-5/8	7311518262488	314	10	1	6
3851-41-1.3-PSG-1.4/2	7311518236625	314	10	1	7
3851-41-1.3-PSG-2/3	7311518227197	314	10	1	7
3851-41-1.3-PSG-3/4	7311518227203	314	10	1	7
3851-41-1.3-PSG-4/6	7311518234577	314	10	1	7
3851-54-1.3-2/3	7311518163716	314	10	1	6
3851-54-1.3-3/4	7311518163723	314	10	1	6
3851-54-1.3-4/6	7311518168025	314	10	1	6
3851-54-1.6-1.4/2	7311518211431	314	10	1	6
3851-54-1.6-1/1.4	7311518188542	314	10	1	6
3851-54-1.6-2/3	7311518126636	314	10	1	6
3851-54-1.6-3/4	7311518126643	314	10	1	6
3851-54-1.6-PSG-1.4/2	7311518236632	314	10	1	7
3851-54-1.6-PSG-2/3	7311518227210	314	10	1	7
3851-54-1.6-PSG-3/4	7311518227227	314	10	1	7
3851-6-0.6-10/14	7311518180652	314	10	1	6
3851-6-0.6-H-6	7311518282707	314	10	1	6
3851-6-0.9-10/14	7311518180768	314	10	1	6
3851-6-0.9-H-6	7311518282714	314	10	1	6
3851-67-1.6-7/1	7311518200909	314	10	1	6
3851-67-1.6-1/1.4	7311518178840	314	10	1	6
3851-67-1.6-3/4	7311518328597	314	10	1	6
3851-67-1.6-4/6	7311518194963	314	10	1	6
3851-80-1.6-7/1	7311518255367	314	10	1	6
3851-80-1.6-1.4/2	7311518255350	314	10	1	6
3851-80-1.6-1/1.4	7311518197377	314	10	1	6
3853-27-0.9-3/4	7311518285395	314	10	1	9
3853-27-0.9-4/6	7311518183998	314	10	1	9
3853-27-0.9-5/8	7311518202118	314	10	1	9

ACCOUNT SUBGROUP		ACCOUNT SUBGROUP		ACCOUNT SUBGROUP	
3853-34-1.1-2/3	7311518282875	314	10	1	9
3853-34-1.1-3/4	7311518184094	314	10	1	9
3853-34-1.1-4/6	7311518184087	314	10	1	9
3853-34-1.1-5/8	7311518202149	314	10	1	9
3853-41-1.3-2/3	7311518282882	314	10	1	9
3853-41-1.3-3/4	7311518185770	314	10	1	9
3853-41-1.3-4/6	7311518184100	314	10	1	9
3853-41-1.3-5/8	7311518202286	314	10	1	9
3853-54-1.6-2/3	7311518282899	314	10	1	9
3853-54-1.6-3/4	7311518216757	314	10	1	9
3853-54-1.6-4/6	7311518222055	314	10	1	9
3853-67-1.6-2/3	7311518282905	314	10	1	9
3853-67-1.6-3/4	7311518282912	314	10	1	9
3854-27-0.9-PHG-3/4	7311518243036	314	10	1	7
3854-27-0.9-PHG-4/6	7311518222673	314	10	1	7
3854-27-0.9-PQ-3/4	7314150137480	314	10	1	7
3854-27-0.9-PQ-4/6	7314150197828	314	10	1	7
3854-34-1.1-PHG-1.4/2	7311518287283	314	10	1	7
3854-34-1.1-PHG-2/3	7311518243043	314	10	1	7
3854-34-1.1-PHG-3/4	7311518243050	314	10	1	7
3854-34-1.1-PHG-4/6	7311518222598	314	10	1	7
3854-34-1.1-PQ-2/3	7311518287276	314	10	1	7
3854-34-1.1-PQ-3/4	7314150135813	314	10	1	7
3854-34-1.1-PQ-4/6	7314150197835	314	10	1	7
3854-41-1.3-PHG-1.4/2	7311518243067	314	10	1	7
3854-41-1.3-PHG-2/3	7311518243074	314	10	1	7
3854-41-1.3-PHG-3/4	7311518243081	314	10	1	7
3854-41-1.3-PHG-4/6	7311518331139	314	10	1	7
3854-41-1.3-PQ-1.4/2	7314150129355	314	10	1	7
3854-41-1.3-PQ-2/3	7311518280604	314	10	1	7
3854-41-1.3-PQ-3/4	7311518282950	314	10	1	7
3854-41-1.3-PQ-4/6	7314150197842	314	10	1	7
3854-54-1.6-PHG-7/1	7311518243654	314	10	1	7
3854-54-1.6-PHG-1.4/2	7311518243098	314	10	1	7
3854-54-1.6-PHG-2/3	7311518243104	314	10	1	7
3854-54-1.6-PQ-9/1.2	7314150133857	314	10	1	7
3854-54-1.6-PQ-1.4/2	7314150127092	314	10	1	7
3854-54-1.6-PQ-2/3	7311518265137	314	10	1	7
3854-54-1.6-PQ-3/4	7311518282929	314	10	1	7
3854-67-1.6-PHG-7/1	7311518243678	314	10	1	7
3854-67-1.6-PHG-1.4/2	7311518249052	314	10	1	7
3854-67-1.6-PHG-1/1.4	7311518249045	314	10	1	7
3854-67-1.6-PHG-2/3	7311518249069	314	10	1	7
3854-67-1.6-PQ-9/1.2	7314150133888	314	10	1	7
3854-67-1.6-PQ-1.4/2	7314150133901	314	10	1	7
3854-67-1.6-PQ-2/3	7311518290160	314	10	1	7
3854-80-1.6-PQ-9/1.2	7314150133895	314	10	1	7
3857-13-0.6-EZ-L	7311518264789	314	10	1	6
3857-13-0.6-EZ-M	7311518264772	314	10	1	6
3857-13-0.6-EZ-S	7311518264765	314	10	1	6
3857-20-0.9-EZ-L	7311518264819	314	10	1	6
3857-20-0.9-EZ-M	7311518264802	314	10	1	6
3857-20-0.9-EZ-S	7311518264796	314	10	1	6
3857-27-0.9-EZ-L	7311518264840	314	10	1	6
3857-27-0.9-EZ-M	7311518264833	314	10	1	6
3857-27-0.9-EZ-S	7311518264826	314	10	1	6
3857-34-1.1-EZ-L	7311518264871	314	10	1	6
3857-34-1.1-EZ-M	7311518264864	314	10	1	6
3857-34-1.1-EZ-S	7311518264857	314	10	1	6
386-6T	7311518152017	330	20	4	413
3860-27-0.9-TCA-2	7311518330743	314	15	1	9
3860-27-0.9-TCA-3	7311518330750	314	15	1	9
3860-27-0.9-TCT-3	7311518332877	314	15	1	9
3860-27-0.9-TCT-3/4	7311518330804	314	15	1	9
3860-34-1.1-TCA-2	7311518330767	314	15	1	9
3860-34-1.1-TCA-2/3	7311518330781	314	15	1	9
3860-34-1.1-TCA-3	7311518330774	314	15	1	9
3860-34-1.1-TCT-2/3	7311518330811	314	15	1	9
3860-34-1.1-TCT-3/4	7311518330828	314	15	1	9
3860-34-1.1-TCZ-2/3	7311518330880	314	15	1	9
3860-34-1.1-TCZ-3/4	7311518330897	314	15	1	9
3860-41-1.3-TCA-1.4/2	7311518330620	314	15	1	9
3860-41-1.3-TCA-2/3	7311518330675	314	15	1	9
3860-41-1.3-TCT-1.4/2	7311518330835	314	15	1	9
3860-41-1.3-TCT-1.9/2.1	7311518332891	314	15	1	9
3860-41-1.3-TCT-2/3	7311518330842	314	15	1	9
3860-41-1.3-TCT-3/4	7311518330859	314	15	1	9
3860-41-1.3-TCZ-2/3	7311518330903	314	15	1	9

# 3860-41-1.3-TCZ-3/4



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3860-41-1.3-TCZ-3/4	7311518330910	314	15	1	9
3860-41-1.3-TMC-1.4/2	7314150129379	314	15	1	8
3860-41-1.3-TMC-2/3	7311518330224	314	15	1	8
3860-54-1.6-TCA-1.4/2	7311518330798	314	15	1	9
3860-54-1.6-TCA-1/1.25	7311518330934	314	15	1	9
3860-54-1.6-TCT-1.4/2	7311518330866	314	15	1	9
3860-54-1.6-TCT-2/3	7311518330873	314	15	1	9
3860-54-1.6-TCT-3/4	7311518332884	314	15	1	9
3860-54-1.6-TMC-1.4/2	7314150137978	314	15	1	8
3860-54-1.6-TMC-1/1.25	7314150154340	314	15	1	8
3860-54-1.6-TMC-2/3	7314150189366	314	15	1	8
3860-67-1.6-TMC-1.4/2	7314150137985	314	15	1	8
3860-67-1.6-TMC-1/1.25	7314150154364	314	15	1	8
3860-67-1.6-TMC-2/3	7314150189359	314	15	1	8
3860-80-1.6-TMC-.7/1	7314150154371	314	15	1	8
3860-80-1.6-TMC-1.4/2	7314150182992	314	15	1	8
3860-80-1.6-TMC-1/1.25	7314150182336	314	15	1	8
3860-80-1.6-TMC-2/3	7314150215959	314	15	1	8
3868-34-1.1-TSS-2/3	7311518329266	314	15	1	8
3868-34-1.1-TSX-2/3	7311518255343	314	15	1	7
3868-34-1.1-TSX-3/4	7311518232375	314	15	1	7
3868-41-1.3-TSS-1.4/2	7311518243142	314	15	1	8
3868-41-1.3-TSS-2/3	7311518270643	314	15	1	8
3868-41-1.3-TSX-1.4/2	7311518214210	314	15	1	7
3868-41-1.3-TSX-1.6	7311518203092	314	15	1	7
3868-41-1.3-TSX-2/3	7311518232382	314	15	1	7
3868-41-1.3-TSX-3/4	7311518232399	314	15	1	7
3868-54-1.3-TSX-1.4/2	7311518214876	314	15	1	7
3868-54-1.6-TSS-1.4/2	7311518243166	314	15	1	8
3868-54-1.6-TSS-1/1.25	7311518243173	314	15	1	8
3868-54-1.6-TSX-1.4/2	7311518214869	314	15	1	7
3868-54-1.6-TSX-1.6	7311518203108	314	15	1	7
3868-54-1.6-TSX-1/1.25	7311518213114	314	15	1	7
3868-54-1.6-TSX-2/3	7311518232405	314	15	1	7
3868-54-1.6-TSX-3/4	7311518270360	314	15	1	7
3868-67-1.6-TSS-.7/1	7311518274115	314	15	1	8
3868-67-1.6-TSS-1.4/2	7311518243197	314	15	1	8
3868-67-1.6-TSS-1/1.25	7311518243180	314	15	1	8
3868-67-1.6-TSS-2/3	7311518328825	314	15	1	8
3868-67-1.6-TSX-.7/1	7311518212865	314	15	1	7
3868-67-1.6-TSX-1.4/2	7311518265496	314	15	1	7
3868-67-1.6-TSX-1/1.25	7311518213084	314	15	1	7
3868-67-1.6-TSX-2/3	7314150203536	314	15	1	7
3868-80-1.6-TSS-.7/1	7314150216253	314	15	1	8
3868-80-1.6-TSS-1.4/2	7314150203529	314	15	1	8
3868-80-1.6-TSX-.7/1	7311518212872	314	15	1	7
3868-80-1.6-TSX-2/3	7314150203543	314	15	1	7
3869-13-0.9-TS-3	7311518200589	314	15	1	10
3869-20-0.9-TS-3	7311518177300	314	15	1	10
3869-20-0.9-TS-4	7311518197742	314	15	1	10
3869-27-0.9-TS-3	7311518177348	314	15	1	10
3869-27-0.9-TS-4	7311518182595	314	15	1	10
3869-29-1.1-TS-2	7311518207366	314	15	1	10
3869-34-1.1-TS-3	7311518177355	314	15	1	10
3870-BANDCALC	7311518238926	314	10	1	11
3870-BRUSH-100-10	7311518269876	314	10	4	10
3870-BRUSH-100-12	7311518269883	314	10	4	10
3870-BRUSH-60-6	7311518279523	314	10	4	10
3870-BRUSH-80-10	7311518278311	314	10	4	10
3870-BRUSH-80-6	7311518269906	314	10	4	10
3870-BRUSH-80-8	7311518269890	314	10	4	10
3870-REFRACTOMETER	7311518192129	314	10	1	11
3870-TACHO METER	7311518145620	314	10	1	10
3870-TENSION METER	7311518145637	314	10	1	11
3870-WEDGE-3	7311518262747	314	10	1	11
3875-BP1	7314150187737	348	45	10	298
3875-BP2	7314150187744	348	45	8	298
3875-HB30	7314150187720	348	45	1	299
3875-HB60	7314150187713	348	45	1	299
3875-LY1	7314150191253	348	45	8	306
3875-LY2	7314150191260	348	45	8	306
3875-LY3	7314150191284	348	45	8	306
3875-MHP4	7314150187805	348	45	1	295
3875-MHP6	7314150187812	348	45	1	295
3875-QL1	7314150191307	348	45	8	306
3875-QRL1	7314150194797	348	45	1	306
3875-RL1	7314150194780	348	45	1	306
3875-WL1	7314150191291	348	45	8	306
3881-34-1.1-THQ-2/3	7311518265793	314	15	1	8



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3881-41-1.3-THQ-1.4/2	7314150129447	314	15	1	8
3881-41-1.3-THQ-2/3	7314150129454	314	15	1	8
3881-41-1.3-THS-1.4/2	7311518273712	314	15	1	8
3881-54-1.6-THQ-1.4/2	7314150128860	314	15	1	8
3881-54-1.6-THQ-2/3	7314150138739	314	15	1	8
3881-54-1.6-THS-1.4/2	7314150138784	314	15	1	8
3881-54-1.6-THS-1/1.25	7311518269050	314	15	1	8
3881-67-1.6-THQ-1.4/2	7314150120369	314	15	1	8
3881-67-1.6-THS-1.4/2	7314150138791	314	15	1	8
3881-67-1.6-THS-1/1.25	7311518269043	314	15	1	8
3881-67-1.6-THS-2/3	7311518328849	314	15	1	8
3881-80-1.6-THQ-1/1.25	7314150133918	314	15	1	8
3881-80-1.6-THS-.7/1	7311518279202	314	15	1	8
3881-80-1.6-THS-1.4/2	7314150195312	314	15	1	8
3881-80-1.6-THS-2/3	7314150215942	314	15	1	8
38A-12	7314150237944	312	25	1	245
38A-15	7314150237951	312	25	1	245
38A-21	7314150237968	312	25	1	245
38A-26	7314150237975	312	25	1	245
38C-26	7314150237982	312	25	1	245
39-24	7314151831301	312	25	1	244
3905-250-24-100	7311518299255	328	15	100	349
3905-300-14-100	7311518292201	328	15	100	349
3905-300-18-100	7311518292218	328	15	100	349
3905-300-24-100	7311518292225	328	15	100	349
3905-300-24-2P	7311518299248	328	15	10	349
3905-300-32-100	7311518292232	328	15	100	349
3906-250-18-100	7311518250997	328	15	100	349
3906-250-24-100	7311518251000	328	15	100	349
3906-250-32-100	7311518251017	328	15	100	349
3906-300-14-100	7311518233563	328	15	100	349
3906-300-18-100	7311518233570	328	15	100	349
3906-300-18-10P	7311518233723	328	15	10	349
3906-300-18-2P	7311518233617	328	15	10	349
3906-300-18-5P	7314150265572	328	15	10	349
3906-300-24-100	7311518233587	328	15	100	349
3906-300-24-10P	7311518233730	328	15	10	349
3906-300-24-2P	7311518233624	328	15	10	349
3906-300-24-5P	7311518237417	328	15	10	349
3906-300-32-100	7311518233594	328	15	100	349
3906-300-32-10P	7311518233747	328	15	10	349
3906-300-32-2P	7311518233631	328	15	10	349
3906-300-32-5P	7311518237424	328	15	10	349
3906-300-3P	7311518233754	328	15	10	349
396-BLADE	7311518299057	330	20	100	355
396-HP	7311518152284	330	20	4	413
396-HP-BLADE	7311518156404	330	20	1	414
396-JS	7311518223250	330	20	4	412
396-JS-BLADE	7311518223267	330	20	1	414
396-JT	7311518168056	330	20	4	412
396-JT-BLADE	7311518168063	330	20	1	414
396-LAP	7311518172367	330	20	10	355
4-138-06-1-0	7311518020927	324	45	10	30
4-138-06-1-2	7311518000592	324	45	5	30
4-138-08-1-0	7311518020934	324	45	10	30
4-138-08-1-2	7311518000615	324	45	5	30
4-138-10-1-0	7311518020958	324	45	10	30
4-138-10-1-2	7311518000646	324	45	5	30
4-138-12-1-0	7311518020965	324	45	5	30
4-138-12-1-2	7311518194734	324	45	5	30
4-140-06-1-0	7311518020989	324	45	10	30
4-140-08-1-0	7311518020996	324	45	10	30
4-140-08-1-2	7311518028169	324	45	5	30
4-140-10-1-0	7311518022488	324	45	10	30
4-140-10-1-2	7311518194741	324	45	5	30
4-142-06-1-0	7311518021016	324	45	10	31
4-142-08-1-0	7311518021023	324	45	10	31
4-142-10-1-0	7311518021030	324	45	10	31
4-144-08-2-0	7311518021054	324	45	10	30
4-144-08-2-2	7311518201319	324	45	5	31
4-152-08-2-2	7311518000691	324	45	5	31
4-153-08-1-2	7311518000707	324	45	5	31
4-154-08-2-2	7311518000714	324	45	10	31
4-155-08-2-0	7311518116194	324	45	10	31
4-155-10-2-0	7311518116200	324	45	10	31
4-183-04-2-0	7311518021108	324	45	10	31
4-183-04-2-2	7311518201401	324	45	5	31
4-183-05-2-0	7311518021122	324	45	10	31
4-183-05-2-2	7311518201418	324	45	5	31



		ACCOUNT SUBGROUP			
4-183-06-2-0	7311518021139	324	45	10	31
4-183-06-2-2	7311518000769	324	45	5	31
4-183-07-2-0	7311518021146	324	45	10	31
4-183-07-2-2	7311518194710	324	45	5	31
4-183-08-2-0	7311518021153	324	45	10	31
4-183-08-2-2	7311518194727	324	45	5	31
4-183-10-2-0	7311518021160	324	45	10	31
4-183-45-2-0	7311518021115	324	45	10	31
4-186-04-2-0	7311518021191	324	45	10	31
4-186-04-2-2	7311518201425	324	45	5	32
4-186-05-2-0	7311518021214	324	45	10	31
4-186-05-2-2	73115180228213	324	45	5	32
4-186-06-2-0	7311518021221	324	45	10	31
4-186-06-2-2	7311518000837	324	45	5	32
4-186-07-2-0	7311518021238	324	45	10	31
4-186-08-2-0	7311518021245	324	45	10	31
4-186-45-2-0	7311518021207	324	45	10	31
4-187-04-2-0	7311518021269	324	45	10	32
4-187-05-2-0	7311518021283	324	45	10	32
4-187-05-2-2	7311518201449	324	45	5	32
4-187-06-2-0	7311518021290	324	45	10	32
4-187-06-2-2	7311518022464	324	45	5	32
4-187-07-2-0	7311518021306	324	45	10	32
4-187-45-2-0	7311518021276	324	45	10	32
4-188-05-2-0	7311518021337	324	45	10	32
4-188-05-2-2	7311518201456	324	45	5	32
4-188-06-2-0	7311518021344	324	45	10	32
4-190-06-2-0	7311518021368	324	45	10	32
4-190-06-2-2	7311518000899	324	45	5	32
4-190-07-2-0	7311518021375	324	45	10	32
4-190-07-2-2	7311518000905	324	45	5	32
4-190-08-2-0	7311518021382	324	45	10	32
4-190-08-2-2	7311518000912	324	45	5	32
4-192-06-2-0	7311518021412	324	45	10	32
4-192-06-2-2	7311518201463	324	45	5	32
4-192-07-2-0	7311518021429	324	45	10	32
4-192-08-2-0	7311518021436	324	45	10	32
4-192-08-2-2	7311518201487	324	45	5	32
4-202-85-2-0	7311518021474	324	45	10	33
4-203-85-2-0	7311518021481	324	45	10	33
4-204-85-2-0	7311518021498	324	45	10	33
4-272-05-3-2	7311518201500	324	45	5	33
4-272-06-3-0	7311518021597	324	45	10	33
4-272-06-3-2	7311518001025	324	45	5	33
400.003.020	8412814403205	338	20	1	205
400.003.030	8412814403304	338	20	1	205
4003M	7314151077372	354	25	1	94
4020L-M-3	7314151077693	366	10	5	48
4020L-M-3.2	7314151405038	366	10	1	48
4020L-M-3.5	7314151077709	366	10	5	48
4020L-M-4	7314151077716	366	10	5	48
4020L-M-4.5	7314151077723	366	10	5	48
4020L-M-5	7314151077730	366	10	5	48
4020L-M-5.5	7314151077747	366	10	5	48
4040M-10-11	7314151078287	366	15	1	60
4040M-10-13	7314153000750	366	15	1	60
4040M-12-13	7314151078294	366	15	1	60
4040M-13-17	7314151804565	366	15	1	60
4040M-14-15	7314151078300	366	15	1	60
4040M-16-17	7314151078317	366	15	1	60
4040M-16-18	7314151839635	366	15	1	60
4040M-17-19	7314151804572	366	15	1	60
4040M-18-19	7314151078324	366	15	1	60
4040M-20-22	7314151078331	366	15	1	60
4040M-21-23	7314151078348	366	15	1	60
4040M-24-27	7314151831974	366	15	1	60
4040M-6-7	7314151831967	366	15	1	60
4040M-8-9	7314151078270	366	15	1	60
4040M-SBS50/T12/E	7314150137022	356	25	1	284
4040M/6T	7314150112197	366	15	1	60
4040M/S6	7314150112180	366	15	1	60
4040M/T12/8	7314150136575	356	25	1	284
4040Z-1/2-9/16	7314151831998	366	15	1	60
4040Z-3/8-7/16	7314151831981	366	15	1	60
4040Z-5/8-11/16	7314151832001	366	15	1	60
4040Z-5/8-3/4	7314153001023	366	15	1	60
406-300	7314150183678	336	15	5	336
406-300-M	7314150186358	336	15	5	336
406-400	7314150183685	336	15	5	336

		ACCOUNT SUBGROUP			
406-400-M	7314150183838	336	15	5	336
406-500	7314150183692	336	15	5	336
406-500-M	7314150186365	336	15	5	336
406-600	7314150245819	336	15	5	336
406-600-M	7314150245840	336	15	1	336
406-800	7314150245826	336	15	1	336
407007000	8413345011815	358	10	6	384
407010000	8413345001182	358	10	4	384
407013000	8413345001199	358	10	4	384
40B-165-230	7314150214587	366	30	1	61
40B-22-35	7314150214563	366	30	1	61
40B-35-60	7314150213726	366	30	1	61
40B-60-90	7314150213733	366	30	1	61
40B-95-155	7314150214570	366	30	1	61
4106-155-230	7314150213801	366	30	1	61
4106-20-35	7314150213764	366	30	1	61
4106-35-60	7314150213771	366	30	1	61
4106-60-90	7314150213788	366	30	1	61
4106-90-155	7314150213795	366	30	1	61
4124-JT-H	7311518267803	330	20	4	412
4128-JT-H	7311518267810	330	20	4	412
4130	7314150100019	340	10	3	187
413005000	8413345011860	358	10	6	385
413010000	8413345011877	358	10	6	385
413015000	8413345011884	358	10	6	385
413020000	8413345011891	358	10	6	385
413030000	8413345119986	358	10	1	385
413040000	8413345119993	358	10	1	385
4131	7314150100026	340	10	3	187
414-10	7311518238148	364	20	4	361
414-12	7311518238155	364	20	4	361
414-14	7311518238162	364	20	4	361
414-15	7311518238179	364	20	4	361
414-16	7311518238186	364	20	4	361
414-18	7311518238193	364	20	4	361
414-20	7311518238209	364	20	4	361
414-22	7311518238216	364	20	4	361
414-25	7311518238223	364	20	4	361
414-28	7311518238230	364	20	4	361
414-30	7311518238247	364	20	4	361
414-32	7311518238254	364	20	4	361
414-35	7311518238261	364	20	4	361
414-38	7311518238278	364	20	4	361
414-6	7311518238117	364	20	4	361
414-8	7311518238131	364	20	4	361
414-S3-EUR	7311518249205	364	20	1	361
41RM-10	7314153014429	366	25	1	50
41RM-11	7314153014436	366	25	1	50
41RM-12	7314153014443	366	25	1	50
41RM-13	7314153014450	366	25	1	50
41RM-14	7314153014467	366	25	1	50
41RM-17	7314153014474	366	25	1	50
41RM-19	7314153014481	366	25	1	50
41RM-21	7314150219742	366	25	1	50
41RM-8	7314153014412	366	25	1	50
41RM/SH8	7314150220656	366	25	10	51
420-100-200	7311518011178	318	10	10	380
420-120-1000	7311518127398	318	10	5	380
420-120-1250	7311518035235	318	10	1	380
420-120-1500	7311518035242	318	10	1	380
420-120-250	7311518011185	318	10	10	380
420-120-300	7311518011277	318	10	10	380
420-120-400	7311518011284	318	10	10	380
420-120-500	7311518011192	318	10	10	380
420-120-600	7311518011215	318	10	5	380
420-120-800	7311518011291	318	10	5	380
420-140-400	7311518043841	318	10	5	380
420-175-400	7311518011222	318	10	10	380
420-50-100	7311518011253	318	10	10	380
420-50-200	7311518011260	318	10	10	380
420-60-120	7311518043827	318	10	5	380
420-60-300	7311518043834	318	10	5	380
420-80-160	7311518011161	318	10	10	380
420SC-25	7314150169825	318	10	10	381
420SC-50	7314150169832	318	10	5	381
4211-11-6T	7311518152000	330	20	4	413
4211-14-6T	7311518128883	330	20	4	413
4212-11-6T	7311518002060	330	20	4	413
4212-14-6T	7311518002077	330	20	4	413



ACCOUNT SUBGROUP



422P-10	7311518248369	364	35	4	362
422P-12	7311518248376	364	35	4	362
422P-16	7311518248383	364	35	4	362
422P-20	7311518248390	364	35	4	362
422P-25	7311518248406	364	35	4	362
422P-6	7311518248352	364	35	4	362
4231	7314150100033	340	10	3	187
4239	7314150100088	340	10	3	187
424P-10	7311518238315	364	15	4	360
424P-12	7311518238322	364	15	4	360
424P-14	7311518238339	364	15	4	360
424P-15	7311518238346	364	15	4	360
424P-16	7311518238353	364	15	4	360
424P-18	7311518238360	364	15	4	360
424P-20	7311518238377	364	15	4	360
424P-22	7311518238384	364	15	4	360
424P-24	7311518238391	364	15	4	360
424P-25	7311518238407	364	15	4	360
424P-26	7311518238414	364	15	4	360
424P-28	7311518238421	364	15	4	360
424P-30	7311518238438	364	15	4	360
424P-32	7311518238445	364	15	4	360
424P-35	7311518238452	364	15	4	360
424P-38	7311518238469	364	15	4	360
424P-4	7311518238285	364	15	4	360
424P-40	7311518238476	364	15	4	360
424P-6	7311518238292	364	15	4	360
424P-8	7311518238308	364	15	4	360
424P-S3-EUR	7311518249199	364	15	1	360
424P-S6-EUR	7311518269968	364	15	1	360
424P-S8-EUR	7311518276393	364	15	1	360
425-081	7311518010669	364	25	1	361
425-082	7311518010676	364	25	1	361
425-083	7311518010683	364	25	1	361
425-10	7311518004613	364	25	4	361
425-12	7311518004620	364	25	4	361
425-14	7311518004637	364	25	4	361
425-15	7311518017767	364	25	4	361
425-16	7311518004644	364	25	4	361
425-18	7311518004651	364	25	4	361
425-20	7311518004668	364	25	4	361
425-22	7311518004675	364	25	4	361
425-24	7311518005993	364	25	4	361
425-25	7311518004682	364	25	4	361
425-26	7311518006006	364	25	4	361
425-28	7311518004699	364	25	4	361
425-30	7311518004705	364	25	4	361
425-32	7311518004712	364	25	4	361
425-35	7311518017774	364	25	4	361
425-38	7311518004729	364	25	4	361
425-4	7311518030810	364	25	4	361
425-40	7311518017781	364	25	4	361
425-6	7311518004590	364	25	4	361
425-8	7311518004606	364	25	4	361
4250A0030	8413345033633	320	10	1	396
4250M0020	8413345079365	320	10	1	396
4250M0030	8413345033626	320	10	6	396
4250MM000	8413345033909	320	10	6	396
4255A0020	8413345079402	320	10	6	396
4255A0030	8413345033657	320	10	6	396
4255M0020	8413345079396	320	10	6	396
4255M0030	8413345033640	320	10	1	396
426-1000	7311518004309	336	15	1	335
426-1200	7311518004316	336	15	1	335
426-400	7311518004255	336	15	1	335
426-600	7311518004279	336	15	1	335
426-600-3	7311518004286	336	15	1	335
426-800	7311518004293	336	15	1	335
426TOR9	7314150125319	336	15	10	335
427-16	7311518025410	358	10	4	384
427-20	7311518025427	358	10	4	384
428-13	7311518012243	358	10	4	384
428-16	7311518012380	358	10	4	384
428-20	7311518012397	358	10	4	384
428000000	8413345033923	320	10	1	396
428005200	8413345033619	320	10	6	396
429-13	7311518012250	358	10	4	384
429-16	7311518012403	358	10	4	384
429-20	7311518012410	358	10	4	384



ACCOUNT SUBGROUP



429-8	7311518040703	358	10	4	384
430000000	8413345040013	320	10	6	396
430002600	8413345036016	320	10	6	396
4307	7314151079444	366	30	1	61
4310	7314151079451	366	30	1	61
434-10	7311518238506	364	10	4	360
434-12	7311518238513	364	10	4	360
434-14	7311518238520	364	10	4	360
434-15	7311518238537	364	10	4	360
434-16	7311518238544	364	10	4	360
434-18	7311518238551	364	10	4	360
434-20	7311518238568	364	10	4	360
434-22	7311518238575	364	10	4	360
434-25	7311518238582	364	10	4	360
434-28	7311518238599	364	10	4	360
434-30	7311518238605	364	10	4	360
434-32	7311518238612	364	10	4	360
434-35	7311518238629	364	10	4	360
434-38	7311518238636	364	10	4	360
434-6	7311518238483	364	10	4	360
434-8	7311518238490	364	10	4	360
434-S3-EUR	7311518249212	364	10	1	360
434-S6-EUR	7311518267544	364	10	1	360
439000000	8413345129282	348	45	1	306
4400-11	7311518200596	330	20	10	414
4400-11-BULK	7311518200633	330	20	10	414
4400-14	7311518200602	330	20	10	414
4400-14-BULK	7311518200640	330	20	10	414
440005000	8413345011952	358	20	1	394
440006000	8413345011969	358	20	1	394
440007000	8413345011976	358	20	1	394
440008000	8413345011983	358	20	1	394
440010000	8413345011990	358	20	1	394
440012000	8413345005449	358	20	1	394
440015000	8413345098960	358	20	1	394
440102500	8413345098977	358	20	10	394
440103000	8413345098991	358	20	10	394
441-1.0-CA	7311518031848	346	20	5	376
441-1.5-CA	7311518031855	346	20	1	376
441-10.0-CA	7311518032067	346	20	1	376
441-10.5-CA	7311518032074	346	20	5	376
441-11.0-CA	7311518032081	346	20	5	376
441-11.5-CA	7311518032098	346	20	5	376
441-12.0-CA	7311518034429	346	20	1	376
441-12.5-CA	7311518032104	346	20	1	376
441-13.0-CA	7311518032111	346	20	5	376
441-14.0-CA	7311518046071	346	20	5	376
441-2.0-CA	7311518031862	346	20	1	376
441-2.5-CA	7311518031879	346	20	1	376
441-3.0-CA	7311518031886	346	20	1	376
441-3.2-CA	7311518031893	346	20	5	376
441-3.3-CA	7311518031909	346	20	5	376
441-3.3-P-CA	7311518130992	346	20	5	376
441-3.5-CA	7311518031916	346	20	1	376
441-4.0-CA	7311518031923	346	20	1	376
441-4.1-P-CA	7311518131074	346	20	5	376
441-4.2-CA	7311518031930	346	20	5	376
441-4.5-CA	7311518031947	346	20	1	376
441-4.8-CA	7311518031954	346	20	5	376
441-5.0-CA	7311518031961	346	20	1	376
441-5.5-CA	7311518031978	346	20	1	376
441-6.0-CA	7311518031985	346	20	1	376
441-6.5-CA	7311518031992	346	20	1	376
441-6.8-CA	7311518121921	346	20	5	376
441-7.0-CA	7311518032005	346	20	1	376
441-7.5-CA	7311518032012	346	20	5	376
441-8.0-CA	7311518032029	346	20	1	376
441-8.5-CA	7311518032036	346	20	5	376
441-9.0-CA	7311518032043	346	20	1	376
441-9.5-CA	7311518032050	346	20	5	376
442	7311518002848	362	10	10	340
442 B	7314150008957	338	10	1	202
4420-11	7311518200619	330	20	10	414
4420-11-BULK	7311518200657	330	20	10	414
4420-14	7311518200626	330	20	10	414
4420-14-BULK	7311518200664	330	20	10	414
443 B	7314150008971	338	10	1	202
4430	7314150100040	340	10	3	187
444 B	7314150009008	338	10	1	202



	FAN	ACCOUNT	SUBGROUP			
446-1000	7311518001834	336	15	1	335	
446-400	7311518001803	336	15	1	335	
446-600	7311518001810	336	15	1	335	
446-800	7311518001827	336	15	1	335	
4480/2-ZD	7311518276911	338	15	1	205	
449	7311518005337	362	10	10	340	
450-130	7314150165186	318	10	8	381	
450-80	7311518298531	318	10	6	381	
451	7311518014506	362	10	10	340	
451-1,5-10	7311518038335	346	20	10	376	
451-1-10	7311518038281	346	20	10	376	
451-10,2-10	7311518039196	346	20	10	376	
451-10,5-5	7311518039202	346	20	5	376	
451-10-10	7311518039189	346	20	10	376	
451-11,5-5	7311518039240	346	20	5	376	
451-11-5	7311518039226	346	20	5	376	
451-12,5-5	7311518039288	346	20	5	376	
451-12-5	7311518039264	346	20	5	376	
451-13,5-5	7311518039325	346	20	5	376	
451-13-5	7311518039301	346	20	5	376	
451-14-5	7311518039349	346	20	5	376	
451-16-2	7311518101015	346	20	2	376	
451-18-2	7311518101022	346	20	2	376	
451-2,5-10	7311518038434	346	20	10	376	
451-2-10	7311518038380	346	20	10	376	
451-20-2	7311518101039	346	20	2	376	
451-3,2-10	7311518038502	346	20	10	376	
451-3,5-10	7311518038533	346	20	10	376	
451-3,8-10	7311518038564	346	20	10	376	
451-3-10	7311518038489	346	20	10	376	
451-4,2-10	7311518038601	346	20	10	376	
451-4,5-10	7311518038632	346	20	10	376	
451-4,8-10	7311518038663	346	20	10	376	
451-4-10	7311518038588	346	20	10	376	
451-5,5-10	7311518038731	346	20	10	376	
451-5-10	7311518038687	346	20	10	376	
451-6,5-10	7311518038830	346	20	10	376	
451-6-10	7311518038786	346	20	10	376	
451-7,5-10	7311518038939	346	20	10	376	
451-7-10	7311518038885	346	20	10	376	
451-8,5-10	7311518039035	346	20	10	376	
451-8-10	7311518038984	346	20	10	376	
451-9,5-10	7311518039134	346	20	10	376	
451-9-10	7311518039080	346	20	10	376	
451-MB-1	7311518026141	346	20	1	376	
451-MB-2	7311518026158	346	20	1	376	
451-MB-3	7311518026165	346	20	1	376	
451-PB-1	7311518007034	346	20	1	376	
451-PB-2	7311518007041	346	20	1	376	
4518-3	7314151716547	322	10	1	271	
4518-4	7314151716622	322	10	1	271	
4518-5	7314151716899	322	10	1	271	
4519-1	7314151716974	322	10	1	273	
4519-1/B	7314150225149	322	35	1	273	
4519-1/S	7314151843762	322	35	1	271	
4519-2	7314151717193	322	10	1	273	
4519-2/S	7314151843977	322	35	1	273	
4519-23/B	7314150225156	322	35	1	273	
4519-3	7314151717278	322	10	1	273	
4519K1	7314150225163	322	35	1	273	
4519K2	7314150225170	322	35	1	273	
4519K3	7314150225187	322	35	1	273	
4521N-0	7314151837723	322	10	1	272	
4521N-00	7314151837716	322	10	1	272	
4521N-A	7314151837730	322	10	1	272	
4521N-B	7314151837747	322	10	1	272	
4521N-C	7314151837754	322	10	1	272	
4521N-D	7314151837761	322	10	1	272	
4521N-E	7314151837778	322	10	1	272	
4521N-F	7314151837785	322	10	1	272	
4521N-G	7314151837792	322	10	1	272	
4521N-H	7314151837808	322	10	1	272	
4521N-I	7314151837815	322	10	1	272	
4521N-K	7314151837822	322	10	1	272	
4521N-L	7314151837839	322	10	1	272	
4521N-M	7314151837846	322	10	1	272	
4521N-S	7314151839789	322	10	1	272	
4521N-T	7314151839796	322	10	1	272	
4521N/7	7314151839802	322	10	1	273	



	FAN	ACCOUNT	SUBGROUP			
4522-1	7314151081591	322	10	1	272	
4522-1/B	7314150225033	322	35	1	272	
4522-1/S	7314150225064	322	35	1	272	
4522-2	7314151081614	322	10	1	272	
4522-2/B	7314150225057	322	35	1	272	
4522-2/S	7314150225071	322	35	1	272	
4522K1	7314150225088	322	35	1	272	
4522K2	7314150225095	322	35	1	272	
4523G	7314151846695	322	10	1	273	
4524G	7314151718596	322	10	1	273	
4528-1	7314151718671	322	10	1	271	
4528-1/B	7314150224692	322	35	1	271	
4528K1	7314151837662	322	35	1	271	
4528K2	7314151837679	322	35	1	271	
4528K3	7314151837686	322	35	1	271	
4528K4	7314151837693	322	35	1	271	
4528K5	7314151837709	322	35	1	271	
4528M1	7314151718916	322	10	1	271	
4528M1/B	7314150224654	322	35	1	271	
4528M2	7314151719050	322	10	1	271	
4528M2/B	7314150224661	322	35	1	271	
4528M3	7314151719135	322	10	1	271	
4528M345/B	7314150224678	322	35	1	271	
4528M4	7314151719210	322	10	1	271	
4528M5	7314151719487	322	10	1	271	
4528MK5	7314150224685	322	35	1	271	
4529-15	7314151719647	322	10	1	270	
4529-8	7314151719562	322	10	1	270	
4530	7314150100095	340	10	3	188	
4532-0	7314151719722	322	10	1	270	
4532-A	7314151082109	322	10	1	270	
4532-A/B	7314150224401	322	35	1	270	
4532-AL	7314150221912	322	10	1	270	
4532-B	7314151082116	322	10	1	270	
4532-B/B	7314150224418	322	35	1	270	
4532-BL	7314150221929	322	10	1	270	
4532-C	7314151082123	322	10	1	270	
4532-C/B	7314150224425	322	35	1	270	
4532-CD/S	7314151818067	322	35	1	270	
4532-CL	7314150221936	322	10	1	270	
4532-D	7314151082130	322	10	1	270	
4532-D/B	7314150224432	322	35	1	270	
4532-E	7314151082147	322	10	1	270	
4532-E/B	7314150224449	322	35	1	270	
4532-EFG/S	7314151838386	322	35	1	270	
4532-F	7314151082154	322	10	1	270	
4532-F/B	7314150224456	322	35	1	270	
4532-G	7314151082161	322	10	1	270	
4532-G/B	7314150224463	322	35	1	270	
4532-H	7314151719999	322	10	1	270	
4532-H/B	7314150224470	322	35	1	270	
4532-H/S	7314151838393	322	35	1	270	
4532-O/B	7314150224388	322	35	1	270	
4532-OAB/S	7314151818050	322	35	1	270	
4532K1	7314151082185	322	35	1	270	
4532K2	7314151082192	322	35	1	270	
4532K3	7314151082208	322	35	1	270	
4532K4	7314151720148	322	35	1	270	
4532K0	7314151720063	322	35	1	270	
4532LK1	7314151082215	322	35	1	270	
4532LK2	7314151082222	322	35	1	270	
4532LK3	7314151082239	322	35	1	270	
4532LK4	7314151082246	322	35	1	270	
4532LK5	7314151720223	322	35	1	270	
4532ST/5	7314151720490	322	10	1	270	
4533HP	7314151793043	322	10	1	270	
4533HP/S	7314150224487	322	35	1	270	
4533HPK	7314150224500	322	35	1	270	
4533M	7314151793050	322	10	1	270	
4533M/S	7314150224494	322	35	1	270	
4533MK	7314150224517	322	35	1	270	
4537-1	7314151720650	322	10	1	270	
4537-1/B	7314150224562	322	35	1	270	
4537-2	7314151720735	322	10	1	270	
4537-2/B	7314150224579	322	35	1	270	
4537-3	7314151720810	322	10	1	270	
4537-34/B	7314150224586	322	35	1	270	
4537-4	7314151721039	322	10	1	270	
4537K1	7314150224593	322	35	1	270	



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4537K2	7314150224609	322	35	1	270
4537K3	7314150224616	322	35	1	270
4537K4	7314150224623	322	35	1	270
4540-17	7314150125005	322	10	1	272
4540-17/K1	7314150225231	322	35	1	272
4540-17/K2	7314150225224	322	35	1	272
4540-17/K3	7314150225217	322	35	1	272
4540-17/K4	7314150225200	322	35	1	272
4540-17/S	7314150225248	322	35	1	272
4540-25	7314150125012	322	10	1	272
4540-25/K1	7314150225279	322	35	1	272
4540-25/K2	7314150239238	322	35	1	272
4540-25/K3	7314150225262	322	35	1	272
4540-25/K4	7314150225255	322	35	1	272
4541-A	7314151082413	322	10	1	270
4541-A/B	7314150224524	322	35	1	270
4541-B	7314151082420	322	10	1	270
4541-B/B	7314150224531	322	35	1	270
4541KA	7314150224548	322	35	1	270
4541KB	7314150224555	322	35	1	270
4542-A	7314151082451	322	10	1	271
4542-A/B	7314150224630	322	35	1	271
4542-B	7314151082468	322	10	1	271
4542-B/B	7314150224647	322	35	1	271
4543-1	7314151082499	322	10	1	271
4543-1/S	7314151818623	322	35	1	271
4543-10	7314151721466	322	10	1	271
4543-1020/B	7314150224715	322	35	1	271
4543-12/B	7314150224708	322	35	1	271
4543-2	7314151082505	322	10	1	271
4543-2/S	7314151818661	322	35	1	271
4543-20	7314151721541	322	10	1	271
4543-3	7314151721381	322	10	1	271
4543-3/B	7314150224739	322	35	1	271
4543-3/S	7314151818708	322	35	1	271
4543-30	7314151721626	322	10	1	271
4543-30/B	7314150224722	322	35	1	271
4543K110	7314150224746	322	35	1	271
4543K220	7314150224753	322	35	1	271
4543K330	7314150224760	322	35	1	271
4544-1	7314151844004	322	10	1	271
4544-1/B	7314150224845	322	35	1	271
4544-10	7314151844042	322	10	1	271
4544-10/B	7314150224883	322	35	1	271
4544-110/S	7314150224777	322	35	1	271
4544-2	7314151844011	322	10	1	271
4544-2/B	7314150224852	322	35	1	271
4544-20	7314151844059	322	10	1	271
4544-20/B	7314150224890	322	35	1	271
4544-220/S	7314150224784	322	35	1	271
4544-3	7314151844028	322	10	1	271
4544-3/B	7314150224869	322	35	1	271
4544-30	7314151844066	322	10	1	271
4544-30/B	7314150224906	322	35	1	271
4544-4	7314151844035	322	10	1	271
4544-4/B	7314150224876	322	35	1	271
4544-440/S	7314150224791	322	35	1	271
4544K110	7314150224807	322	35	1	271
4544K220	7314150224814	322	35	1	271
4544K330	7314150224821	322	35	1	271
4544K440	7314150224838	322	35	1	271
4545-1	7314151082543	322	10	1	272
4545-2	7314151082550	322	10	1	272
4545-3	7314151082567	322	10	1	272
4545-4	7314151722272	322	10	1	272
4545-5	7314151722357	322	10	1	272
4545-N1	7314151722432	322	10	1	272
4545-N1/S	7314150224913	322	35	1	272
4545-N11	7314150249169	322	10	1	272
4545-N2	7314151804947	322	10	1	272
4545-N2/S	7314150224920	322	35	1	272
4545-N21	7314150249176	322	10	1	272
4551-A	7314151082628	322	10	1	272
4551-A/S	7314150224937	322	35	1	272
4551-B	7314151722784	322	10	1	272
4551-B/S	7314150224944	322	35	1	272
4551-C	7314151082642	322	10	1	272
4551-C/S	7314150224951	322	35	1	272
4551-D	7314151082659	322	10	1	272






ACCOUNT SUBGROUP



4551-D/S	7314150224968	322	35	1	272
4552-1	7314151722944	322	10	1	272
4552-1/B	7314150224975	322	35	1	272
4552-2	7314151723088	322	10	1	272
4552-2/B	7314150224982	322	35	1	272
4552-3	7314151723163	322	10	1	272
4552-3/B	7314150224999	322	35	1	272
4552K1	7314150225002	322	35	1	272
4552K2	7314150225019	322	35	1	272
4552K3	7314150225026	322	35	1	272
4553	7314151830649	322	15	1	274
4559-12	7314150113132	340	15	1	194
4559-12A JC	7314150223909	340	15	1	194
4559-18	7314150224513	340	15	8	194
4559-18B JC	7314150113880	340	15	1	194
4559-24	7314150024520	340	15	6	194
4559-24B JC	7314150113897	340	15	1	194
4559-30	7314150024537	340	15	5	194
4559-30B JC	7314150113903	340	15	1	194
4559-36	7314150024544	340	15	1	194
4559-36B JC	7314150113910	340	15	1	194
4559-42	7314150024551	340	15	1	194
4559-42A JC	7314150208876	340	15	1	194
4560-210	7314150178995	340	20	1	195
4574	7314151799014	322	10	1	274
4577	7314151838348	322	10	1	274
4578	7314150222308	322	10	1	273
4579	7314150222018	322	10	1	274
4580N/7	7314151301361	322	10	1	273
4581N-1	7314151724139	322	10	1	273
4581NA	7314151301200	322	35	1	273
4581NB	7314151301217	322	35	1	273
4581NB2	7314151724726	322	35	1	273
4581NC	7314151301224	322	35	1	273
4582N-1	7314151724214	322	10	1	273
4582N-2	7314151724481	322	10	1	273
4582NA	7314151301248	322	35	1	273
4582NB	7314151301255	322	35	1	273
4583N-1	7314151724566	322	35	1	273
4583N-2	7314151724641	322	35	1	273
4583NA	7314151301279	322	35	1	273
4583NB	7314151301286	322	35	1	273
4591	7314151804039	322	15	1	274
4592	7314151804046	322	15	1	274
4593	7314151804053	322	15	1	274
45S/H1.5	7314150218530	350	50	1	135
45S/H2	7314150218547	350	50	1	135
45S/H2.5	7314150218554	350	50	1	135
45S/H3	7314150218561	350	50	1	135
45S/PH1	7314150218516	350	50	1	135
45S/PH2	7314150218523	350	50	1	135
460-10-CA	7311518006570	346	30	1	375
460-11-CA	7311518018320	346	30	1	375
460-12-CA	7311518006587	346	30	1	375
460-13-CA	7311518018337	346	30	1	375
460-14-CA	7311518006594	346	30	1	375
460-15-CA	7311518018344	346	30	1	375
460-16-CA	7311518006600	346	30	1	375
460-18-CA	7311518018351	346	30	1	375
460-20-CA	7311518018368	346	30	1	375
460-3-CA	7311518006518	346	30	1	375
460-4-CA	7311518006525	346	30	1	375
460-5-CA	7311518006532	346	30	1	375
460-6-CA	7311518006549	346	30	1	375
460-7-CA	7311518006556	346	30	1	375
460-8-CA	7311518006563	346	30	1	375
460-9-CA	7311518018313	346	30	1	375
460-PB-1	7311518007058	346	30	1	375
460-PB-2	7311518007065	346	30	1	375
4610-1	7314151724993	322	20	1	274
4611-2	7314151725372	322	20	1	274
4611-2/B	7314150237500	322	35	1	274
4611-2/S	7314150237494	322	35	1	274
4611-3	7314150125043	322	20	1	274
4611-3/B	7314150237524	322	35	1	274
4611-3/S	7314150237517	322	35	1	274
4614-1	7314151725457	322	10	1	273
4614-1/B	7314150225101	322	35	1	273
4614-2	7314151725532	322	10	1	273

		ACCOUNT SUBGROUP			
4614-2/B	7314150225118	322	35	1	273
4614K1	7314150225125	322	35	1	273
4614K2	7314150225132	322	35	1	273
463-10-120	7311518024918	346	25	1	375
463-10-200	7311518025038	346	25	1	375
463-10-400	7311518025076	346	25	1	375
463-11-150	7311518024925	346	25	1	375
463-12-150	7311518024932	346	25	1	375
463-12-200	7311518025045	346	25	1	375
463-12-400	7311518025083	346	25	1	375
463-13-150	7311518024949	346	25	1	375
463-14-150	7311518024956	346	25	1	375
463-14-400	7311518025090	346	25	1	375
463-15-150	7311518127381	346	25	1	375
463-16-150	7311518024963	346	25	1	375
463-16-400	7311518025106	346	25	1	375
463-18-160	7311518024970	346	25	1	375
463-18-400	7311518025113	346	25	1	375
463-20-160	7311518024987	346	25	1	375
463-20-400	7311518025120	346	25	1	375
463-22-160	7311518024994	346	25	1	375
463-25-160	7311518025007	346	25	1	375
463-3,5-60	7311518024826	346	25	1	375
463-3-60	7311518024819	346	25	1	375
463-4,5-85	7311518024840	346	25	1	375
463-4-75	7311518024833	346	25	1	375
463-5,5-85	7311518024857	346	25	1	375
463-5-85	7311518026547	346	25	1	375
463-6,5-100	7311518024871	346	25	1	375
463-6,5-400	7311518025052	346	25	1	375
463-6-100	7311518024864	346	25	1	375
463-6-200	7311518025014	346	25	1	375
463-7-100	7311518024888	346	25	1	375
463-8-120	7311518024895	346	25	1	375
463-8-200	7311518025021	346	25	1	375
463-8-400	7311518025069	346	25	1	375
463-9-120	7311518024901	346	25	1	375
463-PB	7311518249281	346	25	1	375
4630	7314150216154	338	20	1	206
464-10-120	7311518117269	346	25	1	375
464-12-150	7311518117283	346	25	1	375
464-14-150	7311518004354	346	25	1	375
464-16-150	7311518117306	346	25	1	375
464-4-75	7311518117368	346	25	1	375
464-5,5-85	7311518117375	346	25	5	375
464-5-85	7311518117382	346	25	1	375
464-6,5-100	7311518117399	346	25	1	375
464-6-100	7311518117412	346	25	1	375
464-7-100	7311518117429	346	25	1	375
464-8-120	7311518117436	346	25	1	375
464-9-120	7311518117443	346	25	1	375
464-PB-1	7311518175436	346	25	1	376
466-1000	7314150128327	336	15	4	336
466-1000-M	7314150186105	336	15	4	336
466-1200	7314150128334	336	15	4	336
466-1200-M	7314150186129	336	15	4	336
466-1800	7314150128341	336	15	4	336
466-2000	7314150129836	336	15	4	336
466-250	7314150128655	336	15	10	335
466-400	7314150128297	336	15	4	336
466-400-M	7314150128358	336	15	4	336
466-600	7314150128303	336	15	4	336
466-600-M	7314150128365	336	15	4	336
466-800	7314150128310	336	15	4	336
466-800-M	7314150186082	336	15	4	336
466-BE1	7314150215218	336	15	12	336
466-COMBI	7311518018306	346	30	1	376
466-LINE	7314150215249	336	15	12	336
466-POST	7314150215232	336	15	6	336
4724-JT	7311518265847	330	20	1	413
4728-JT	7311518265854	330	20	1	413
474-125-0.60	7311518029050	362	10	10	341
474-125-0.80	7311518029869	362	10	10	341
474-150-0.60	7311518029876	362	10	10	341
474-150-0.80	7311518029883	362	10	10	341
4750-2PP-1	7314153014733	356	30	1	295
4750-3PB-1	7314153014719	356	30	1	294
4750-3PB-2	7314150187782	348	45	1	294
4750-BAPA-1	7314153015310	356	30	1	298

		ACCOUNT SUBGROUP			
4750-BAPA-2	7314153015327	356	30	1	298
4750-BWC-1	7314153018809	356	30	1	297
4750-DHO-1	7314153014740	356	30	1	295
4750-DHO-2	7314150187775	348	45	1	295
4750-EP-1	7314153014726	356	30	1	295
4750-FOLTC-1	7314153019271	356	30	1	297
4750-HDB-1	7314153014955	356	30	1	296
4750-HDBS-1	7314153015259	356	30	1	294
4750-HDLB-1	7314153014757	356	30	1	296
4750-HHO-2	7314153014863	356	30	1	295
4750-HHO-3	7314150187751	348	45	1	295
4750-HMPH-1	7314153014801	356	30	1	296
4750-HMPH-2	7314153016010	356	30	1	296
4750-JU3PB-1	7314153015747	356	30	1	294
4750-KNHO-1	7314153015839	356	30	1	295
4750-KP-1	7314153014771	348	45	1	297
4750-LBLL-1	7314153018830	356	30	1	296
4750-LBLLM-1	7314153018823	356	30	1	296
4750-LBBRL-1	7314153018854	356	30	1	296
4750-LBBRM-1	7314153018847	356	30	1	296
4750-LUBA-1	7314153015266	356	30	1	298
4750-MOSBA-1	7314153015334	356	30	1	298
4750-MTHO-1	7314153015846	356	30	1	295
4750-QRLB-1	7314153014764	356	30	1	296
4750-ROCO-1	7314153015273	356	30	1	298
4750-SLTC-1	7314153019264	356	30	1	297
4750-TOBA-1	7314153015303	356	30	1	298
4750-TOCS-1	7314153015280	356	30	1	297
4750-TOCSAE-1	7314153015297	356	30	1	297
4750-TOCSSL-1	7314153016232	356	30	1	297
4750-TOCST-1	7314153018779	356	30	1	297
4750-UP-1	7314153014795	356	30	1	295
4750-UP-2	7314150187768	348	45	1	295
4750-VMPH-1	7314153014818	356	30	1	296
4750-VMPH-2	7314153017475	356	30	1	296
4750RC01	7314150220151	356	15	1	294
4750RC02	7314150220168	356	15	1	294
4750RC021	7314150226641	356	15	1	294
4750RCHD-AC1	7314150229857	356	15	1	294
4750RCHD01	7314150227426	356	15	1	293
4750RCHD001	7314150229802	356	15	1	293
4750RCHD01AC1	7314150229819	356	15	1	293
4750RCHD01AC2	7314150229826	356	15	1	293
4750RCHDW01	7314150227433	356	15	1	293
4750RCHDW01AC1	7314150229833	356	15	1	293
4750RCHDW01AC2	7314150229840	356	15	1	294
4750RCHDW02	7314150227440	356	15	1	294
4750RCW01	7314150220182	356	15	1	294
4750RCW011	7314150226627	356	15	1	294
476-250	7314150215126	336	15	10	335
479-08	7311518025441	358	10	6	386
479-12	7311518025458	358	10	6	386
479-16	7311518025465	358	10	6	386
479-24	7311518025472	358	10	6	386
479-32	7311518025489	358	10	6	386
480-08	7311518025496	358	10	4	384
480-10	7311518025502	358	10	4	384
480-12	7311518025519	358	10	4	384
480-14	7311518025526	358	10	4	384
481-100	7311518005030	358	10	6	385
481-1000	7311518005092	358	10	6	385
481-1500	7311518025533	358	10	6	385
481-200	7311518005047	358	10	6	385
481-300	7311518005054	358	10	6	385
481-400	7311518005061	358	10	6	385
481-500	7311518005078	358	10	6	385
481-800	7311518025540	358	10	6	385
482-25	7311518025557	358	10	6	386
482-28	7311518025564	358	10	4	386
482-30	7311518025571	358	10	6	386
482-35	7311518025595	358	10	4	386
482-40	7311518025601	358	10	4	386
482-45	7311518027551	358	10	6	386
483-16	7311518024314	358	10	6	384
483-20	7311518024321	358	10	6	384
483-22	7311518005108	358	10	6	384
483-25	7311518005115	358	10	6	384
483-28	7311518024284	358	10	6	384
483-30	7311518024291	358	10	6	384



		ACCOUNT	SUBGROUP		
4830	7314150100057	340	10	3	188
4831	7314150103393	340	10	3	188
4833	7314150100064	340	10	3	188
484-1000	7311518005122	358	10	6	385
484-1250	7311518005139	358	10	6	385
484-1500	7311518005146	358	10	6	385
484-2000	7311518024338	358	10	6	385
485	7311518005153	358	10	4	384
486	7311518005160	358	10	4	385
487-1300	7314150133123	358	10	1	386
487-1800	7314150133130	358	10	1	386
487-2300	7314150133147	358	10	1	386
487-5200	7314150133154	358	10	1	386
487-5900	7314150133161	358	10	1	386
487-650	7314150133116	358	10	1	386
489-1100	7314150133055	358	10	1	385
489-1800	7314150133062	358	10	1	385
489-2700	7314150133079	358	10	1	385
489-3600	7314150133086	358	10	1	385
489-4500	7314150133093	358	10	1	385
489-5400	7314150133109	358	10	1	385
490-3.5	7311518025373	358	10	4	386
492-3.5	7311518025380	358	10	4	386
494-600	7311518025397	358	10	4	385
4M-10-11	7314151829438	366	10	10	56
4M-12-13	7314151829445	366	10	10	56
4M-14-15	7314151829476	366	10	10	56
4M-16-17	7314151829490	366	10	10	56
4M-17-19	7314151829506	366	10	10	56
4M-18-19	7314151829513	366	10	10	56
4M-20-22	7314151829520	366	10	10	56
4M-21-23	7314150205363	366	10	5	56
4M-24-26	7314150205370	366	10	1	56
4M-24-27	7314151829551	366	10	1	56
4M-25-28	7314150205387	366	10	1	56
4M-27-29	7314150205394	366	10	1	56
4M-30-32	7314151829575	366	10	1	56
4M-6-7	7314151829407	366	10	10	56
4M-8-9	7314151829414	366	10	10	56
4M/10C	7314150212972	366	10	1	56
4M/10T	7314151829605	366	10	1	56
4M/12C	7314150212989	366	10	1	56
4M/8	7314150180493	366	10	1	56
5-600-21-D-1P	7311518189341	324	35	10	29
5-610-21-D-1P	7311518189358	324	35	1	29
5-630-21-D-1P	7311518189365	324	35	1	29
5-670-21-D-1P	7311518189389	324	35	1	29
502	7311518130589	328	20	5	356
502-SET2	7311518130664	328	20	5	356
502-SET6	7311518130633	328	20	5	356
5050	7314151083359	312	30	1	268
51-12	7311518044565	316	15	10	358
51-21	7311518003906	316	15	10	358
51-24	7311518003913	316	15	10	358
51-30	7311518003920	316	15	10	358
51-32	7311518003937	316	15	10	358
51-36	7311518003944	316	15	10	358
510031	7314150216338	350	40	5	167
510033	7314150216345	350	40	5	167
510034	7314150216314	350	40	10	167
5124-JS-H	7311518219352	330	20	4	412
5128-JS-H	7311518219369	330	20	4	412
52	7311518276027	312	10	12	42
5223 DC	7314150120321	340	75	5	198
5224 DC	7314150120338	340	75	5	198
5225 DC	7314150120345	340	75	2	198
5226 DC	7314150120352	340	75	1	198
527 D-160	7314150032723	340	50	3	180
527 D-200	7314150032730	340	50	3	180
527 GC-160	7314150205653	340	50	3	180
527 GC-200	7314150205660	340	50	3	180
527V-160	7314150126811	340	90	2	314
527V-200	7314150126828	340	90	2	314
528-700	7311518188993	364	40	1	362
528-COM	7311518188986	364	40	1	362
529-16-L	7314150198139	358	10	4	384
529-16-XL	7314150198146	358	10	4	384
529-20-L	7314150198160	358	10	4	384
529-20-XL	7314150198153	358	10	4	384

		ACCOUNT	SUBGROUP		
541 D-150	7314150032754	340	45	5	197
541 D-200	7314150032761	340	45	5	197
541 D-250	7314150032778	340	45	5	197
5418	7314151084370	312	30	1	328
5419/6T	7314151821562	312	30	1	328
541D-180	7314150127160	340	45	5	197
541D-225	7314150127290	340	45	5	197
5423	7314151509088	312	10	1	329
5463 AMT	7314151085025	340	80	5	323
5463 R	7314151085063	340	80	5	324
5463-120	7314151085001	340	80	5	324
5464 R	7314151085100	340	80	5	324
5464-105	7314151085087	340	80	5	324
54640	7314150215720	350	52	5	136
5465 AMT	7314151085148	340	80	5	324
5465 R	7314151085162	340	80	5	324
5467 AM	7314151085209	340	80	5	324
5467 R	7314151085223	340	80	5	324
5468-112	7314151085247	340	80	5	322
5469 AMI	7314151337803	340	80	5	324
5469 AMT	7314151085308	340	80	5	324
5469 B	7314151085322	340	80	5	322
5469 BI	7314151085346	340	80	5	322
5469 BR	7314151085384	340	80	5	322
5469 I	7314151085407	340	80	5	322
5469 R	7314151085421	340	80	5	322
5469-127	7314151085285	340	80	5	322
5470 I-140	7314151085506	340	80	5	324
5470 I-160	7314151085520	340	80	5	324
5470 R-140	7314151085568	340	80	5	324
5470 R-160	7314151085582	340	80	5	324
5470-120	7314151085452	340	80	5	324
5470-140	7314151085445	340	80	5	324
5470-160	7314151085469	340	80	5	324
5471 F-120	7314151085681	340	80	5	322
5471 F-145	7314151085704	340	80	5	322
5471 F-200	7314151085728	340	80	5	322
5471 F-250	7314151085742	340	80	5	322
5471 F-300	7314151085766	340	80	5	322
5471 FI-120	7314151085780	340	80	5	322
5471 FI-145	7314151085803	340	80	5	322
5471 FI-200	7314151085827	340	80	5	322
5471 FR-120	7314151085889	340	80	5	322
5471 FR-145	7314151085902	340	80	5	322
5473-90	7314151086183	340	80	5	324
5475 K	7314151086244	340	80	5	322
5475 R	7314151086268	340	80	5	322
5476 H	7314151086305	340	80	5	325
5479-130	7314151086398	340	80	5	324
5484 R	7314151086633	340	80	5	325
5488 AM	7314151821166	340	80	5	326
5489 AM	7314151821173	340	80	5	326
5490 AM	7314151821180	340	80	5	326
5491 AM	7314151821197	340	80	5	326
5492 AM	7314151821227	340	80	5	326
5493-115	7314151821234	340	80	5	326
5515B	7314151086978	312	30	5	330
5515GV	7314151481483	312	30	1	330
5515L	7314151481568	312	30	5	329
5515M	7314151086985	312	30	1	329
5515T	7314151589172	312	30	1	330
5515T-52	7314153021939	312	30	1	330
5516	7314151086992	340	80	5	322
5516 I	7314151087029	340	80	5	322
5517	7314151573843	340	80	5	325
5517 I	7314151573928	340	80	5	325
5518	7314151087043	340	80	5	325
5521	7314150215713	350	46	1	135
5540 AM	7314151821319	340	80	5	322
5541 AM	7314151821326	340	80	5	322
5543 AM	7314151821340	340	80	5	322
5544 AM	7314151821357	340	80	5	322
5545 AM	7314151821364	340	80	5	323
5546 AM	7314151821371	340	80	5	323
5547 AM	7314151821388	340	80	5	323
5549 AM	7314151821401	340	80	5	323
5550-3.2	7314151475673	350	40	10	328
5550-4.5	7314151475758	350	40	5	328
5551	7314151378479	350	40	1	329



		ACCOUNT	SUBGROUP		
5552	7314151378554	350	40	1	329
5553	7314151378639	350	40	1	329
5554	7314151378714	350	40	1	329
5568/5	7314151821210	340	80	1	326
5570/7	7314151473891	340	80	1	326
5571-145	7314151472818	340	80	5	325
5572-145	7314151473037	340	80	5	325
5573-145	7314151473112	340	80	5	325
5574-145	7314151473389	340	80	5	325
5575-145	7314151473464	340	80	5	325
5576-145	7314151473549	340	80	5	326
5576-145R	7314150115686	340	80	5	326
5577-145	7314151574062	340	80	5	326
5578-115	7314151547769	340	80	5	325
5579-115	7314151547844	340	80	5	325
5583 AM	7314151821296	340	80	5	323
5584 AM	7314151821302	340	80	5	323
5586 AM	7314151821289	340	80	5	323
5587 GAM	7314151821425	340	80	5	323
5588 AM	7314151821432	340	80	5	323
5589 AM	7314151821449	340	80	5	323
5590 AM	7314151821456	340	80	5	323
5600/4	7314151436773	350	40	1	329
5724-JS	7311518216085	330	20	1	413
5728-JS	7311518216092	330	20	1	413
5750	7311518280949	312	40	1	250
583D	7314150023721	340	70	4	366
584D	7314150023745	340	70	4	366
585D	7314150104185	340	70	4	366
586D	7314150104208	340	70	4	366
59/S28-4	7314151847173	350	48	1	135
59/S31	7311518276713	350	48	6	132
59S/0.5-3.0	7314150199815	350	48	1	125
59S/0.5-4.0	7314150199822	350	48	1	125
59S/0.6-3.5	7314150199839	350	48	1	125
59S/0.6-4.5	7314150199801	350	48	1	125
59S/0.6-4.5-3P	7314150201600	350	48	1	125
59S/0.8-5.5	7314150199849	350	48	1	125
59S/0.8-5.5-3P	7314150201624	350	48	1	125
59S/1.0-5.5	7314150199863	350	48	1	125
59S/1.2-6.5	7314150199887	350	48	1	125
59S/1.2-8.0	7314150199800	350	48	1	125
59S/1.6-10	7314150199846	350	48	1	125
59S/1.6-9.0	7314150199853	350	48	1	125
59S/125PH1	7314150206834	350	48	1	126
59S/125PH2	7314150204298	350	48	1	126
59S/125PH3	7314150204304	350	48	1	126
59S/125PZ1	7314150200733	350	48	1	126
59S/125PZ2	7314150200740	350	48	1	126
59S/125PZ3	7314150200757	350	48	1	126
59S/150T15	7314150200764	350	48	1	127
59S/150T20	7314150200771	350	48	1	127
59S/150T25	7314150200788	350	48	1	127
59S/150T30	7314150200795	350	48	1	127
59S/17-1	7314150191499	350	48	1	133
59S/17-2	7314150191505	350	48	1	133
59S/17-3	7314150191512	350	48	1	133
59S/22-1	7314150204229	350	48	12	134
59S/22-2	7314150204236	350	48	12	135
59S/31-1	7314150191451	350	48	12	132
59S/31-2	7314150191468	350	48	12	132
59S/31-3	7314150191475	350	48	12	132
59S/50/0.6-3.5	7314150199976	350	48	1	125
59S/50/0.8-4.0	7314150200009	350	48	1	125
59S/50/0.8-5.5	7314150200023	350	48	1	125
59S/50/1.0-6.0	7314150200047	350	48	1	125
59S/50/1.2-6.5	7314150200061	350	48	1	125
59S/50H1/16	7314150248926	350	48	1	128
59S/50H1/4	7314150249015	350	48	1	128
59S/50H1/8	7314150248964	350	48	1	128
59S/50H2	7314150200160	350	48	1	128
59S/50H2.5	7314150200177	350	48	1	128
59S/50H3	7314150200184	350	48	1	128
59S/50H3/16	7314150248995	350	48	1	128
59S/50H3/32	7314150248940	350	48	1	128
59S/50H3/8	7314150249039	350	48	1	128
59S/50H4	7314150200191	350	48	1	128
59S/50H5	7314150200207	350	48	1	128
59S/50H5/16	7314150249022	350	48	1	128

		ACCOUNT	SUBGROUP		
59S/50H5/32	7314150248988	350	48	1	128
59S/50H5/64	7314150248933	350	48	1	128
59S/50H6	7314150200214	350	48	1	128
59S/50H7/32	7314150249008	350	48	1	128
59S/50H7/64	7314150248957	350	48	1	128
59S/50H8	7314150200221	350	48	1	128
59S/50H9/64	7314150248971	350	48	1	128
59S/50PH1	7314150199860	350	48	1	125
59S/50PH1-2P	7314150203642	350	48	1	125
59S/50PH2	7314150199877	350	48	1	125
59S/50PH2-2P	7314150203758	350	48	1	125
59S/50PH3	7314150199891	350	48	1	125
59S/50PH3-2P	7314150203802	350	48	1	125
59S/50PZ1	7314150199914	350	48	1	126
59S/50PZ2	7314150199938	350	48	1	126
59S/50PZ3	7314150199952	350	48	1	126
59S/50R1	7314150200238	350	48	1	129
59S/50R2	7314150200245	350	48	1	129
59S/50R3	7314150200252	350	48	1	129
59S/50T10	7314150200092	350	48	1	127
59S/50T10-2P	7314150201723	350	48	1	127
59S/50T15	7314150200108	350	48	1	127
59S/50T15-2P	7314150201730	350	48	1	127
59S/50T20	7314150200115	350	48	1	127
59S/50T20-2P	7314150201747	350	48	1	127
59S/50T25	7314150200122	350	48	1	127
59S/50T25-2P	7314150201754	350	48	1	127
59S/50T27	7314150200139	350	48	1	127
59S/50T30	7314150200146	350	48	1	127
59S/50T30-2P	7314150201761	350	48	1	127
59S/50T40	7314150200153	350	48	1	127
59S/50T8	7314150200085	350	48	1	127
59S/7-1	7314150191536	350	48	1	133
59S/7-2	7314150191543	350	48	1	133
59S/7-3	7314150191550	350	48	1	134
59S/7-4	7314150191567	350	48	1	134
59S/70PH1	7314150200269	350	48	1	125
59S/70PH2	7314150200276	350	48	1	125
59S/70PZ1	7314150200283	350	48	1	126
59S/70PZ2	7314150200290	350	48	1	126
59S/70PZ3	7314150200306	350	48	1	126
59S/70T10	7314150200313	350	48	1	127
59S/70T15	7314150200566	350	48	1	127
59S/70T20	7314150200573	350	48	1	127
59S/70T20-2P	7314150201839	350	48	1	127
59S/70T25	7314150200580	350	48	1	127
59S/70T27	7314150200597	350	48	1	127
59S/70T30	7314150200603	350	48	1	127
59S/70T40	7314150200610	350	48	1	127
59S/70TR15	7314150200627	350	48	1	128
59S/70TR20	7314150200634	350	48	1	128
59S/70TR25	7314150200641	350	48	1	128
59S/70TR27	7314150200658	350	48	1	128
59S/70TR30	7314150200665	350	48	1	128
59S/70TR40	7314150200672	350	48	1	128
59S/H1.5	7314150198924	350	48	1	128
59S/H1/16	7314150204205	350	48	1	128
59S/H1/4	7314150199266	350	48	1	128
59S/H1/8	7314150199174	350	48	1	128
59S/H10	7314150199075	350	48	1	128
59S/H2	7314150198955	350	48	1	128
59S/H2.5	7314150198962	350	48	1	128
59S/H3	7314150198986	350	48	1	128
59S/H3-3P	7314150201662	350	48	1	128
59S/H3/16	7314150199228	350	48	1	128
59S/H3/32	7314150199136	350	48	1	128
59S/H3/8	7314150204212	350	48	1	128
59S/H3BALL	7314150200689	350	48	1	129
59S/H4	7314150198993	350	48	1	128
59S/H4-3P	7314150201679	350	48	1	128
59S/H4-IPB	7314150225767	350	48	500	128
59S/H4BALL	7314150200696	350	48	1	129
59S/H5	7314150199013	350	48	1	128
59S/H5-3P	7314150201686	350	48	1	128
59S/H5/16	7314150199273	350	48	1	128
59S/H5/32	7314150199204	350	48	1	128
59S/H5/64	7314150199112	350	48	1	128
59S/H5BALL	7314150200702	350	48	1	129
59S/H6	7314150199037	350	48	1	128



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59S/H6-3P	7314150201693	350	48	1	128
59S/H6BALL	7314150200719	350	48	1	129
59S/H7/32	7314150199242	350	48	1	128
59S/H7/64	7314150199150	350	48	1	128
59S/H8	7314150199051	350	48	1	128
59S/H8-3P	7314150201709	350	48	1	128
59S/H8BALL	7314150200726	350	48	1	129
59S/H9/64	7314150199198	350	48	1	128
59S/HBALL-3P	7314150201716	350	48	1	129
59S/M3	7314150199730	350	48	1	129
59S/M4	7314150199754	350	48	1	129
59S/M5	7314150199778	350	48	1	129
59S/M6	7314150199792	350	48	1	129
59S/M8	7314150199808	350	48	1	129
59S/PH0	7314150198177	350	48	1	125
59S/PH1	7314150198313	350	48	1	125
59S/PH1-30P	7314150200801	350	48	1	125
59S/PH1-3P	7314150201396	350	48	1	125
59S/PH1-IP	7314150206780	350	48	100	125
59S/PH1-IPB	7314150225743	350	48	500	125
59S/PH1COMBI-2P	7314150215669	350	48	1	129
59S/PH2	7314150198320	350	48	1	125
59S/PH2-30P	7314150200818	350	48	1	125
59S/PH2-3P	7314150201402	350	48	1	125
59S/PH2-IP	7314150206797	350	48	100	125
59S/PH2-IPB	7314150204038	350	48	500	125
59S/PH2COMBI-2P	7314150203604	350	48	1	129
59S/PH2G	7314150204182	350	48	1	126
59S/PH2G-30P	7314150200832	350	48	1	126
59S/PH3	7314150198351	350	48	1	125
59S/PH3-30P	7314150200825	350	48	1	125
59S/PH3-3P	7314150201419	350	48	1	125
59S/PH3-IPB	7314150225750	350	48	500	125
59S/PH3COMBI-2P	7314150203611	350	48	1	129
59S/PH4	7314150198368	350	48	1	125
59S/PZ0	7314150198375	350	48	1	126
59S/PZ1	7314150198382	350	48	1	126
59S/PZ1-30P	7314150200849	350	48	1	126
59S/PZ1-3P	7314150201426	350	48	1	126
59S/PZ1-IP	7314150206803	350	48	100	126
59S/PZ1-IPB	7314150204373	350	48	500	126
59S/PZ2	7314150198405	350	48	1	126
59S/PZ2-30P	7314150200856	350	48	1	126
59S/PZ2-3P	7314150201433	350	48	1	126
59S/PZ2-IP	7314150206810	350	48	100	126
59S/PZ2-IPB	7314150204380	350	48	500	126
59S/PZ3	7314150198429	350	48	1	126
59S/PZ3-30P	7314150200863	350	48	1	126
59S/PZ3-3P	7314150201440	350	48	1	126
59S/PZ3-IPB	7314150225736	350	48	500	126
59S/PZ4	7314150198436	350	48	1	126
59S/R1	7314150199310	350	48	1	129
59S/R1-3P	7314150201631	350	48	1	129
59S/R2	7314150199341	350	48	1	129
59S/R2-3P	7314150201648	350	48	1	129
59S/R3	7314150199365	350	48	1	129
59S/R3-3P	7314150201655	350	48	1	129
59S/R4	7314150232109	350	48	1	129
59S/T10	7314150198528	350	48	1	127
59S/T10-30P	7314150200870	350	48	1	127
59S/T10-3P	7314150201457	350	48	1	127
59S/T15	7314150198535	350	48	1	127
59S/T15-30P	7314150200887	350	48	1	127
59S/T15-3P	7314150201464	350	48	1	127
59S/T20	7314150198542	350	48	1	127
59S/T20-30P	7314150200894	350	48	1	127
59S/T20-3P	7314150201471	350	48	1	127
59S/T25	7314150198566	350	48	1	127
59S/T25-30P	7314150200900	350	48	1	127
59S/T25-3P	7314150201488	350	48	1	127
59S/T27	7314150198580	350	48	1	127
59S/T27-3P	7314150201495	350	48	1	127
59S/T3	7314150198443	350	48	1	127
59S/T30	7314150198597	350	48	1	127
59S/T30-30P	7314150200924	350	48	1	127
59S/T30-3P	7314150201501	350	48	1	127
59S/T4	7314150198450	350	48	1	127
59S/T40	7314150198610	350	48	1	127
59S/T40-30P	7314150200931	350	48	1	127



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59S/T40-3P	7314150201518	350	48	1	127
59S/T45	7314150198641	350	48	1	127
59S/T5	7314150198467	350	48	1	127
59S/T50	7314150198658	350	48	1	127
59S/T6	7314150198474	350	48	1	127
59S/T7	7314150198498	350	48	1	127
59S/T8	7314150198504	350	48	1	127
59S/T9	7314150198511	350	48	1	127
59S/TR10	7314150198702	350	48	1	128
59S/TR10-3P	7314150201525	350	48	1	128
59S/TR15	7314150198719	350	48	1	128
59S/TR15-3P	7314150201532	350	48	1	128
59S/TR20	7314150198726	350	48	1	128
59S/TR20-3P	7314150201549	350	48	1	128
59S/TR25	7314150198740	350	48	1	128
59S/TR25-3P	7314150201556	350	48	1	128
59S/TR27	7314150198757	350	48	1	128
59S/TR27-3P	7314150201570	350	48	1	128
59S/TR30	7314150198771	350	48	1	128
59S/TR30-3P	7314150201587	350	48	1	128
59S/TR40	7314150198795	350	48	1	128
59S/TR40-3P	7314150201594	350	48	1	128
59S/TR7	7314150198672	350	48	1	128
59S/TR8	7314150198689	350	48	1	128
59S/TR9	7314150198696	350	48	1	128
59S/TS-0	7314150199389	350	48	1	129
59S/TS-1	7314150199396	350	48	1	129
59S/TS-1/4	7314150199594	350	48	1	129
59S/TS-10	7314150199570	350	48	1	129
59S/TS-2	7314150199419	350	48	1	129
59S/TS-3	7314150199433	350	48	1	129
59S/TS-4	7314150199457	350	48	1	129
59S/TS-5	7314150199518	350	48	1	129
59S/TS-6	7314150199532	350	48	1	129
59S/TS-8	7314150199556	350	48	1	129
59S/TW0	7314150199617	350	48	1	129
59S/TW1	7314150199631	350	48	1	129
59S/TW2	7314150199655	350	48	1	129
59S/TW3	7314150199679	350	48	1	129
59S/TW4	7314150199693	350	48	1	129
59S/TW5	7314150199716	350	48	1	129
6	8412814220048	350	46	1	169
6-342-06-2-0	7311518021719	324	40	10	34
6-342-06-2-2	7311518244170	324	40	5	34
6-342-08-1-0	7311518021726	324	40	10	34
6-342-08-1-2	7311518022822	324	40	5	34
6-342-08-2-0	7311518021733	324	40	10	34
6-342-08-2-2	7311518005375	324	40	5	34
6-342-10-1-0	7311518021757	324	40	10	34
6-342-10-1-2	7311518005382	324	40	5	34
6-342-10-2-0	7311518021764	324	40	10	34
6-342-10-2-2	7311518005399	324	40	5	34
6-343-08-2-0	7311518021801	324	40	5	34
6-343-08-2-2	7311518001070	324	40	5	34
6-343-08-3-0	7311518021818	324	40	10	34
6-343-10-2-0	7311518021825	324	40	10	34
6-343-10-2-2	7311518001094	324	40	5	34
6-343-10-3-0	7311518021832	324	40	10	34
6-344-08-2-0	7311518021887	324	40	12	34
6-344-08-2-2	7311518005344	324	40	5	34
6-344-10-2-0	7311518021900	324	40	10	34
6-344-10-2-2	7311518005351	324	40	5	34
6-345-08-1-2	7311518028312	324	40	5	35
6-345-08-2-0	7311518021948	324	40	10	34
6-345-08-2-2	7311518005412	324	40	5	35
6-345-10-1-2	7311518005429	324	40	5	35
6-345-10-2-0	7311518021955	324	40	10	34
6-470-08-2-2	7311518242008	324	40	5	27
600-10	7311518293642	338	15	1	203
600-10-95	7311518295158	338	15	1	203
600-12	7311518293659	338	15	1	203
600-12-95	7311518295165	338	15	1	203
600-15	7311518293666	338	15	1	203
600-15-95	7311518295172	338	15	1	203
600-3	7314150124787	350	20	1	162
600.003.010	8412814600000	322	30	1	276
600.005.012	8412814600017	322	30	1	276
600S/T10/9	7314150136681	356	25	1	286
600S/T10/E	7314150137121	356	25	1	286

ACCOUNT SUBGROUP					
601000800	8413345202299	318	15	1	381
601001000	8413345202305	318	15	1	381
601001250	8413345202312	318	15	1	381
601001500	8413345202329	318	15	1	381
6010H0800	8413345015769	318	15	1	382
6010H1000	8413345015776	318	15	1	382
6010H1250	8413345015783	318	15	1	382
6010H1500	8413345015790	318	15	1	382
6010M0800	8413345015806	318	15	1	382
6010M1000	8413345116619	318	15	1	382
6010M1250	8413345015820	318	15	1	382
6010M1500	8413345015837	318	15	1	382
602-4	7314150124794	350	20	1	162
604-5	7314150124800	350	20	1	162
6040H0630	8413345124119	318	15	1	382
6040M0630	8413345124126	318	15	1	382
605-6	7314150153770	350	20	1	162
606-6	7314150124824	350	20	1	162
6070H1000	8413345030656	318	15	1	382
6070H1250	8413345084833	318	15	1	382
6070H1500	8413345030663	318	15	1	382
6070H1750	8413345030670	318	15	1	382
607201000	8413345030533	318	15	1	381
607201250	8413345030540	318	15	1	381
607201500	8413345030557	318	15	1	381
607201750	8413345030564	318	15	1	381
6072M1000	8413345015813	318	15	1	382
6072M1500	8413345137454	318	15	1	382
6072M1750	8413345030687	318	15	1	382
608-6	7314150124831	350	20	1	162
60T/17-1	7314150191529	350	48	1	133
60T/31-1	7314150191482	350	48	12	132
60T/7-1	7314150191574	350	48	1	134
60T/PH1	7314150199488	350	48	1	122
60T/PH1-2P	7314150201136	350	48	1	122
60T/PH2	7314150199495	350	48	1	122
60T/PH2-2P	7314150201143	350	48	1	122
60T/PH3	7314150199501	350	48	1	122
60T/PH3-2P	7314150201150	350	48	1	122
60T/PZ1	7314150199525	350	48	1	122
60T/PZ1-2P	7314150201167	350	48	1	122
60T/PZ2	7314150199549	350	48	1	122
60T/PZ2-2P	7314150201174	350	48	1	122
60T/PZ3	7314150199563	350	48	1	122
60T/PZ3-2P	7314150201181	350	48	1	122
60T/T10	7314150199648	350	48	1	122
60T/T10-2P	7314150201198	350	48	1	122
60T/T15	7314150199662	350	48	1	122
60T/T15-2P	7314150201204	350	48	1	122
60T/T20	7314150199686	350	48	1	122
60T/T20-2P	7314150201211	350	48	1	122
60T/T25	7314150199709	350	48	1	122
60T/T25-2P	7314150201228	350	48	1	122
60T/T27	7314150199723	350	48	1	122
60T/T30	7314150199747	350	48	1	122
60T/T30-2P	7314150201235	350	48	1	122
60T/T40	7314150199761	350	48	1	122
60T/T40-2P	7314150201242	350	48	1	122
60T/T7	7314150199587	350	48	1	122
60T/T8	7314150199600	350	48	1	122
60T/T9	7314150199624	350	48	1	122
610-6	7314150124848	350	20	1	163
611-10-200	7314150124428	350	20	10	161
611-3.5-100	7314150124336	350	20	10	161
611-3.5-50	7314150124312	350	20	10	161
611-3.5-75	7314150124329	350	20	10	161
611-4-100	7314150124350	350	20	10	161
611-4-75	7314150124343	350	20	10	161
611-5.5-100	7314150124367	350	20	10	161
611-5.5-125	7314150124381	350	20	10	161
611-6.5-125	7314150124374	350	20	10	161
611-6.5-150	7314150124398	350	20	10	161
611-6.5-25	7314150124602	350	20	10	161
611-8-150	7314150124404	350	20	10	161
611-8-175	7314150124411	350	20	10	161
612-5	7314150124817	350	20	1	163
613-3-100	7314150124442	350	20	10	161
613-3-75	7314150124435	350	20	10	161
613-3.5-100	7314150124459	350	20	10	161

ACCOUNT SUBGROUP					
613-4-100	7314150124466	350	20	10	161
613-4-125	7314150124473	350	20	10	161
613-5.5-125	7314150124480	350	20	10	161
613-5.5-150	7314150124497	350	20	10	161
613-6.5-150	7314150124503	350	20	10	161
614-100	7314150124688	350	20	10	161
615-0-75	7314150124558	350	20	10	161
615-1-100	7314150124565	350	20	10	161
615-2-125	7314150124572	350	20	10	161
615-2-25	7314150124596	350	20	10	161
615-3-150	7314150124589	350	20	10	161
616-0-75	7314150124510	350	20	10	161
616-1-100	7314150124527	350	20	10	161
616-2-125	7314150124534	350	20	10	161
616-3-150	7314150124541	350	20	10	161
617-100	7314150124695	350	20	10	161
618-10-75	7314150124619	350	20	10	161
618-15-100	7314150124626	350	20	10	161
618-20-100	7314150124633	350	20	10	161
618-25-125	7314150124640	350	20	10	161
618-27-125	7314150124657	350	20	10	161
618-30-150	7314150124664	350	20	10	161
618-40-150	7314150124671	350	20	10	161
61H/50PH1	7314150200382	350	48	1	123
61H/50PH2	7314150200399	350	48	1	123
61H/50PH3	7314150200405	350	48	1	123
61H/50PZ1	7314150200412	350	48	1	123
61H/50PZ2	7314150200429	350	48	1	123
61H/50PZ3	7314150200436	350	48	1	123
61H/50T10	7314150200443	350	48	1	123
61H/50T15	7314150200450	350	48	1	123
61H/50T20	7314150200467	350	48	1	123
61H/50T25	7314150200474	350	48	1	123
61H/50T30	7314150200481	350	48	1	123
61H/50T40	7314150200498	350	48	1	123
61H/PH1	7314150199006	350	48	1	123
61H/PH2	7314150199020	350	48	1	123
61H/PH2-2P	7314150201082	350	48	1	123
61H/PH3	7314150199044	350	48	1	123
61H/PZ1	7314150199068	350	48	1	123
61H/PZ2	7314150199082	350	48	1	123
61H/PZ2-2P	7314150201099	350	48	1	123
61H/PZ3	7314150199105	350	48	1	123
61H/T10	7314150199129	350	48	1	123
61H/T15	7314150199143	350	48	1	123
61H/T20	7314150199167	350	48	1	123
61H/T25	7314150199181	350	48	1	123
61H/T30	7314150199211	350	48	1	123
61H/T40	7314150199235	350	48	1	123
620-6	7314150128594	350	34	1	163
6224 DC	7314150120307	340	75	5	198
6224 GC	7314150120314	340	75	5	198
6224V	7314150128761	340	90	2	316
623-3-100	7314150128518	350	34	10	161
623-3.5-100	7314150128525	350	34	10	161
623-4-100	7314150128532	350	34	10	161
623-5.5-125	7314150128549	350	34	10	161
623-6.5-150	7314150128556	350	34	10	161
625	7311518221614	362	10	5	340
625-0-100	7314150128563	350	34	10	161
625-1-150	7314150128570	350	34	10	161
625-2-175	7314150128587	350	34	10	161
625-DROP	7311518221638	362	10	10	340
625-PEAR	7311518221621	362	10	10	340
625-ROUND	7311518221645	362	10	10	340
62TIN/50PH1	7314150200504	350	48	1	121
62TIN/50PH2	7314150200511	350	48	1	121
62TIN/50PH3	7314150200528	350	48	1	121
62TIN/50PZ1	7314150200535	350	48	1	122
62TIN/50PZ2	7314150200542	350	48	1	122
62TIN/50PZ3	7314150200559	350	48	1	122
62TIN/7-1	7314150203505	350	48	1	134
62TIN/PH1	7314150199259	350	48	1	121
62TIN/PH2	7314150199297	350	48	1	121
62TIN/PH3	7314150199303	350	48	1	121
62TIN/PZ1	7314150199327	350	48	1	121
62TIN/PZ1-2P	7314150201105	350	48	1	121
62TIN/PZ2	7314150199334	350	48	1	121
62TIN/PZ2-2P	7314150201112	350	48	1	121



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62TIN/PZ3	7314150199358	350	48	1	121
62TIN/PZ3-2P	7314150201129	350	48	1	121
62TIN/T10	7314150199372	350	48	1	122
62TIN/T15	7314150199402	350	48	1	122
62TIN/T20	7314150199426	350	48	1	122
62TIN/T25	7314150199440	350	48	1	122
62TIN/T30	7314150199464	350	48	1	122
62TIN/T40	7314150199471	350	48	1	122
6330M	7314151087753	350	40	1	330
63D/50PH1	7314150200351	350	48	1	120
63D/50PH2	7314150200368	350	48	1	120
63D/50PH3	7314150200375	350	48	1	120
63D/50PZ1	7314150200320	350	48	1	121
63D/50PZ2	7314150200337	350	48	1	121
63D/50PZ3	7314150200344	350	48	1	121
63D/7-1	7314150191604	350	48	1	134
63D/PH1	7314150198917	350	48	1	120
63D/PH1-2P	7314150201051	350	48	1	120
63D/PH2	7314150198931	350	48	1	120
63D/PH2-2P	7314150201068	350	48	1	120
63D/PH2G	7314150198979	350	48	1	120
63D/PH2G-2P	7314150201075	350	48	1	120
63D/PH3	7314150198948	350	48	1	120
63D/PZ1	7314150198856	350	48	1	121
63D/PZ1-2P	7314150201037	350	48	1	121
63D/PZ2	7314150198870	350	48	1	121
63D/PZ2-2P	7314150201044	350	48	1	121
63D/PZ3	7314150198894	350	48	1	121
63D/T10	7314150198665	350	48	1	121
63D/T15	7314150198733	350	48	1	121
63D/T15-2P	7314150201006	350	48	1	121
63D/T20	7314150198764	350	48	1	121
63D/T20-2P	7314150201013	350	48	1	121
63D/T25	7314150198818	350	48	1	121
63D/T25-2P	7314150201020	350	48	1	121
63D/T30	7314150198788	350	48	1	121
63D/T40	7314150198832	350	48	1	121
64A/PH1	7314150198481	350	48	1	123
64A/PH1-2P	7314150200948	350	48	1	124
64A/PH2	7314150198559	350	48	1	123
64A/PH2-2P	7314150200955	350	48	1	124
64A/PH3	7314150198573	350	48	1	123
64A/PH3-2P	7314150200962	350	48	1	124
64A/PZ1	7314150198603	350	48	1	124
64A/PZ1-2P	7314150200979	350	48	1	124
64A/PZ2	7314150198627	350	48	1	124
64A/PZ2-2P	7314150200986	350	48	1	124
64A/PZ3	7314150198634	350	48	1	124
64A/PZ3-2P	7314150200993	350	48	1	124
650	7311518221591	362	10	5	340
65I/7-1	7314150204113	350	48	1	134
65I/PH1	7314150199785	350	48	1	124
65I/PH1-2P	7314150207985	350	48	1	124
65I/PH2	7314150199884	350	48	1	124
65I/PH2-2P	7314150201259	350	48	1	124
65I/PH3	7314150199907	350	48	1	124
65I/PH3-2P	7314150201266	350	48	1	124
65I/PZ1	7314150199921	350	48	1	124
65I/PZ1-2P	7314150201273	350	48	1	124
65I/PZ2	7314150199945	350	48	1	124
65I/PZ2-2P	7314150201280	350	48	1	124
65I/PZ3	7314150199969	350	48	1	124
65I/PZ3-2P	7314150201297	350	48	1	124
65I/T10	7314150199983	350	48	1	124
65I/T10-2P	7314150201303	350	48	1	124
65I/T15	7314150199990	350	48	1	124
65I/T15-2P	7314150201310	350	48	1	124
65I/T20	7314150200016	350	48	1	124
65I/T20-2P	7314150201327	350	48	1	124
65I/T25	7314150200030	350	48	1	124
65I/T25-2P	7314150201334	350	48	1	124
65I/T30	7314150200054	350	48	1	124
65I/T30-2P	7314150201341	350	48	1	124
65I/T40	7314150200078	350	48	1	124
65I/T40-2P	7314150201358	350	48	1	124
665	7311518221607	362	10	5	340
6700SM-10	7314151088026	354	10	5	64
6700SM-11	7314151088033	354	10	5	64
6700SM-12	7314151088040	354	10	5	64



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6700SM-13	7314151088057	354	10	5	64
6700SM-14	7314151088064	354	10	5	64
6700SM-4	7314151087944	354	10	5	64
6700SM-4.5	7314151087951	354	10	5	64
6700SM-5	7314151087968	354	10	5	64
6700SM-5.5	7314151087975	354	10	5	64
6700SM-6	7314151087982	354	10	5	64
6700SM-7	7314151087999	354	10	5	64
6700SM-8	7314151088002	354	10	5	64
6700SM-9	7314151088019	354	10	5	64
6700SM/T4/19	7314150136629	356	25	1	285
6700SM/T4/E	7314150137060	356	25	1	285
6700SZ-1/2	7314151088194	354	10	5	64
6700SZ-1/4	7314151088132	354	10	5	64
6700SZ-11/32	7314151088163	354	10	5	64
6700SZ-3/16	7314151088118	354	10	5	64
6700SZ-3/8	7314151088170	354	10	5	64
6700SZ-5/16	7314151088156	354	10	5	64
6700SZ-5/32	7314151808556	354	10	5	64
6700SZ-7/16	7314151088187	354	10	5	64
6700SZ-7/32	7314151088125	354	10	5	64
6700SZ-9/16	7314151088200	354	10	5	64
6700SZ-9/32	7314151088149	354	10	5	64
6700TORX-E10	7314153011725	354	10	5	66
6700TORX-E4	7314153011671	354	10	5	66
6700TORX-E5	7314153011688	354	10	5	66
6700TORX-E6	7314153011695	354	10	5	66
6700TORX-E7	7314153011701	354	10	5	66
6700TORX-E8	7314153011718	354	10	5	66
6706TE	7314150220199	354	25	1	66
6708DMB	7314150220205	354	25	1	64
6709F-4.5	7314151830762	354	10	5	66
6709F-5.5	7314151830779	354	10	5	66
6709F-6.5	7314150220397	354	10	5	66
6709F-8	7314151830786	354	10	5	66
6709M-3	7314151830656	354	10	5	66
6709M-4	7314151830663	354	10	5	66
6709M-5	7314151830670	354	10	5	66
6709M-6	7314151830687	354	10	5	66
6709M-8	7314151830694	354	10	5	66
6709PH-1	7314151830700	354	10	5	66
6709PH-2	7314151830717	354	10	5	66
6709PH-3	7314151830724	354	10	5	66
6709PZ-1	7314151830731	354	10	5	66
6709PZ-2	7314151830748	354	10	5	66
6709PZ-3	7314151830755	354	10	5	66
6709TORX-R-T10	7314153002471	354	10	1	66
6709TORX-R-T15	7314153002488	354	10	1	66
6709TORX-R-T20	7314153002495	354	10	1	66
6709TORX-R-T25	7314153002501	354	10	1	66
6709TORX-R-T8	7314153002464	354	10	1	66
6709TORX-T10	7314151811679	354	10	5	66
6709TORX-T15	7314151811686	354	10	5	66
6709TORX-T20	7314151811693	354	10	5	66
6709TORX-T25	7314151811709	354	10	5	66
6709TORX-T27	7314151811716	354	10	5	66
6709TORX-T30	7314151811723	354	10	5	66
6709TORX-T40	7314153002457	354	10	5	66
6709TORX-T8	7314153002440	354	10	5	66
6709TORX-T9	7314151811662	354	10	5	66
671002600	8413345128971	362	15	1	346
671002850	8413345128988	362	15	1	346
6711MB	7314150220298	354	25	1	65
6712R	7314151838225	354	25	1	70
6712RN	7314151838232	354	25	1	70
6713MH	7314150220212	354	25	1	64
6715GE	7314151831370	354	25	1	72
6715GJ	7314151831363	354	25	1	73
6715MG	7314151831349	354	25	1	72
6715MGS	7314151831332	354	25	1	70
6715MZ	7314153003218	354	25	1	73
6715PZ	7314151837525	354	25	1	72
6717MBP	7314150218806	354	25	1	71
6719MHP	7314150218790	354	25	1	72
6719MHR	7314150218783	354	25	1	71
6719SM	7314151820817	354	25	1	71
6720NM	7314151088262	354	25	1	73
6721NM	7314151088309	354	25	1	72
6722M	7314151594411	354	25	1	72



6729MHP	7314150218752	354	25	1	71
6729MHR	7314150218769	354	25	1	71
6729SM	7314153003225	354	25	1	73
6729SZ	7314153003232	354	25	1	74
6730MBP	7314150218776	354	25	1	71
6821NZ	7314151089269	354	25	1	73
6852-1	7314151827519	360	15	1	104
6852-20	7314151845490	360	10	1	104
6852-5	7314150125463	360	10	1	108
6852-5/S17	7314150135875	360	10	1	106
6876N	7314151845575	360	25	1	108
6878N	7314151845582	360	25	1	108
6880N	7314151845599	360	25	1	108
6881B	7314151816438	360	25	1	107
6881D	7314151816636	360	25	1	107
690000160	8413345008068	338	20	1	206
690000200	8413345008082	338	20	1	206
690000220	8413345008099	338	20	1	206
690000250	8413345008105	338	20	1	206
690000300	8413345008129	338	20	1	206
690000320	8413345008746	338	20	1	206
690000350	8413345008136	338	20	1	206
690000400	8413345008143	338	20	1	206
690000500	8413345008167	338	20	1	206
690000630	8413345111065	338	20	1	206
69079019P	8413345111089	338	20	1	206
690900080	8413345016209	338	20	1	206
690900100	8413345016216	338	20	1	206
690900120	8413345016223	338	20	1	206
690900140	8413345016230	338	20	1	206
690900200	8413345016247	338	20	1	206
6950	7314151089641	354	20	1	67
6950-SPARE	7314150187867	354	20	1	69
6950RN	7314151831189	354	20	1	67
6950RN-SPARE	7314150209149	354	20	1	69
6950SL	7314150197668	354	20	1	67
6950SL-SPARE	7314150210251	354	20	1	70
6951	7314151089764	354	20	1	67
6952	7314151089771	354	15	1	67
6954	7314151089795	354	15	1	68
6956	7314151089825	354	15	1	68
6958	7314151089849	354	15	1	68
6960	7314151089856	354	15	1	68
6960-W	7314153010506	354	15	1	68
6961	7314151089870	354	15	1	68
6962	7314151089894	354	15	1	68
6962-W	7314153010520	354	15	1	68
6962L	7314151089917	354	15	1	68
6963	7314151089931	354	15	1	68
6966	7314151089986	354	15	1	69
6968	7314150128426	354	15	1	69
6972H	7314151215934	354	35	5	112
6973	7314150212804	350	52	5	130
6973N	7314151845605	360	25	1	107
6975A	7314151827489	360	25	1	108
6976A	7314151807795	360	25	1	108
6976AN	7314151808457	360	25	1	108
6976CN	7314151808471	360	25	1	108
6976E/1	7314151808785	360	35	1	107
6976E/2	7314151808792	360	35	1	107
6976N	7314151845612	360	25	1	107
6978N	7314151845629	360	25	1	107
69DTT-5	7314150184132	360	35	1	109
6M-10-11	7314151832094	366	10	10	52
6M-10-13	7314151832117	366	10	10	52
6M-12-13	7314151832131	366	10	10	52
6M-12-14	7314151832148	366	10	10	52
6M-13-14	7314151832155	366	10	10	52
6M-13-15	7314151832162	366	10	10	52
6M-13-16	7314151832179	366	10	10	52
6M-13-17	7314151832186	366	10	10	52
6M-14-15	7314151832193	366	10	10	52
6M-14-17	7314151832209	366	10	10	52
6M-16-17	7314151832216	366	10	10	52
6M-16-18	7314151832223	366	10	10	52
6M-17-19	7314151832230	366	10	10	52
6M-18-19	7314151832247	366	10	10	52
6M-19-22	7314151832261	366	10	10	52
6M-19-24	7314151832278	366	10	10	52

6M-20-22	7314151832285	366	10	10	52
6M-21-23	7314151832292	366	10	10	52
6M-21-24	7314151838072	366	10	10	52
6M-22-24	7314151832308	366	10	10	52
6M-24-26	7314151832315	366	10	10	52
6M-24-27	7314151832322	366	10	10	52
6M-24-30	7314151832339	366	10	5	52
6M-25-28	7314151832353	366	10	5	52
6M-27-29	7314150189861	366	10	5	52
6M-27-30	7314151832360	366	10	5	52
6M-27-32	7314151832377	366	10	5	52
6M-30-32	7314151832384	366	10	5	52
6M-30-36	7314151832407	366	10	5	52
6M-32-36	7314151832414	366	10	5	52
6M-34-36	7314151832421	366	10	1	52
6M-36-41	7314151832438	366	10	1	52
6M-38-42	7314151832445	366	10	1	52
6M-4-5	7314151832018	366	10	10	52
6M-4-5-5.5	7314151832025	366	10	10	52
6M-41-46	7314151832452	366	10	1	52
6M-46-50	7314151832469	366	10	1	52
6M-5-5.5	7314151832032	366	10	10	52
6M-5-5-7	7314151832049	366	10	10	52
6M-6-7	7314151832056	366	10	10	52
6M-7-8	7314151832063	366	10	10	52
6M-8-10	7314151832087	366	10	10	52
6M-8-9	7314151832070	366	10	10	52
6M-SBS10/T3/E	7314150136919	356	25	1	282
6M/10C	7314150212934	366	10	1	53
6M/12C	7314150212941	366	10	1	53
6M/6C	7314150212910	366	10	1	53
6M/8C	7314150212927	366	10	1	53
6M/S8	7314151832483	366	10	1	53
6M/SH12	7314153013439	366	10	1	53
6M/SH8	7314150201365	366	10	1	53
6M/T12/7	7314150136391	356	25	1	282
6M/T12/E	7314150136926	356	25	1	282
6M/T3/5	7314150136384	356	25	1	282
6MV-10	7314150120871	366	35	5	317
6MV-11	7314150120888	366	35	5	317
6MV-12	7314150120895	366	35	5	317
6MV-13	7314150120901	366	35	5	317
6MV-14	7314150120918	366	35	5	317
6MV-15	7314150120925	366	35	5	317
6MV-16	7314150120932	366	35	5	317
6MV-17	7314150120949	366	35	3	317
6MV-18	7314150120956	366	35	3	317
6MV-19	7314150120963	366	35	3	317
6MV-20	7314150120970	366	35	3	317
6MV-21	7314150120987	366	35	3	317
6MV-22	7314150120994	366	35	3	317
6MV-23	7314150121007	366	35	3	317
6MV-24	7314150121014	366	35	3	317
6MV-27	7314150121021	366	35	2	317
6MV-30	7314150121038	366	35	2	317
6MV-32	7314150121052	366	35	2	317
6MV-6	7314150120833	366	35	5	317
6MV-7	7314150120840	366	35	5	317
6MV-8	7314150120857	366	35	5	317
6MV-9	7314150120864	366	35	5	317
6MV/10T	7314150213023	366	35	1	317
6MV/8T	7314150122141	366	35	1	317
6Z-1-1.1/8	7314151832674	366	10	1	53
6Z-1.1/16-1.1/4	7314151832681	366	10	1	53
6Z-1.1/4-1.3/8	7314151832698	366	10	1	53
6Z-1/2-9/16	7314151832568	366	10	5	53
6Z-1/4-5/16	7314151832520	366	10	5	53
6Z-11/16-3/4	7314151832612	366	10	5	53
6Z-13/16-7/8	7314151832643	366	10	5	53
6Z-15/16-1	7314151832667	366	10	5	53
6Z-19/32-11/16	7314151832582	366	10	5	53
6Z-25/32-13/16	7314151832636	366	10	5	53
6Z-3/4-7/8	7314151832629	366	10	5	53
6Z-3/8-7/16	7314151832544	366	10	5	53
6Z-5/16-11/32	7314151832537	366	10	5	53
6Z-5/8-3/4	7314151832605	366	10	5	53
6Z-7/16-1/2	7314151832551	366	10	5	53
6Z-7/8-15/16	7314151832650	366	10	5	53
6Z-9/16-5/8	7314151832575	366	10	5	53



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6Z/8C	7314150212958	366	10	1	53
700-1-50	7314153017673	350	40	5	165
700-1.2-50	7314153017680	350	40	5	165
700-1.5-50	7314153017697	350	40	5	165
700-1.8-50	7314153017703	350	40	5	165
700-2-50	7314153017710	350	40	5	165
700-2-75	7314153017727	350	40	5	165
700-2.5-100	7314153017758	350	40	5	165
700-2.5-50	7314153017741	350	40	5	165
700-3-100	7314153017772	350	40	5	165
700-3-200	7314153017789	350	40	5	165
700-3-50	7314153017765	350	40	5	165
700-3.5-75	7314153017796	350	40	5	165
700-4-250	7314153017819	350	40	5	165
700-4-75	7314153017802	350	40	5	165
701-0-200	7314153017857	350	40	5	165
701-0-50	7314153017840	350	40	5	165
701-00-50	7314153017833	350	40	5	165
701-1-250	7314153017871	350	40	5	165
701-1-75	7314153017864	350	40	5	165
702-0-50	7314153017888	350	40	5	166
702-1-75	7314153017895	350	40	5	166
703-10-50	7314153017963	350	40	5	166
703-15-75	7314153017970	350	40	5	166
703-20-75	7314153017987	350	40	5	166
703-4-50	7314153017901	350	40	5	166
703-5-50	7314153017918	350	40	5	166
703-6-50	7314153017925	350	40	5	166
703-7-50	7314153017932	350	40	5	166
703-8-50	7314153017949	350	40	5	166
703-9-50	7314153017956	350	40	5	166
704-1.5-50	7314153017994	350	40	5	166
704-2-50	7314153018007	350	40	5	166
704-2.5-50	7314153018014	350	40	5	166
704-3-75	7314153018021	350	40	5	166
704Z-3/32	7314150137428	350	40	5	166
705.1/4.125	8412814705002	350	14	5	157
706-1	7314153018045	350	40	1	166
706-2	7314153018052	350	40	1	166
706-3	7314153018069	350	40	1	166
706-4	7314153018076	350	40	1	166
706-5	7314153018083	350	40	1	166
70S/1.2-8.0	7314150218387	350	50	1	136
70S/1.6-10.0	7314150218394	350	50	1	136
70S/1.6-9.0	7314150218400	350	50	1	136
70S/2.0-12.0	7314150218417	350	50	1	136
70S/2.5-14.0	7314150218424	350	50	1	136
70S/H10	7314150218486	350	50	1	136
70S/H12	7314150218493	350	50	1	136
70S/H14	7314150218509	350	50	1	136
70S/H4	7314150218431	350	50	1	136
70S/H5	7314150218448	350	50	1	136
70S/H6	7314150218455	350	50	1	136
70S/H7	7314150218462	350	50	1	136
70S/H8	7314150218479	350	50	1	136
70S/PH1	7314150217557	350	50	1	136
70S/PH2	7314150217564	350	50	1	136
70S/PH3	7314150217571	350	50	1	136
70S/PH4	7314150217588	350	50	1	136
70S/PZ1	7314150217595	350	50	1	136
70S/PZ2	7314150217601	350	50	1	136
70S/PZ3	7314150217724	350	50	1	136
70S/PZ4	7314150217731	350	50	1	136
70S/T20	7314150217748	350	50	1	136
70S/T25	7314150217755	350	50	1	136
70S/T27	7314150217762	350	50	1	136
70S/T30	7314150217779	350	50	1	136
70S/T40	7314150217786	350	50	1	136
70S/T45	7314150217793	350	50	1	136
70S/T50	7314150217809	350	50	1	136
70S/T55	7314150217816	350	50	1	136
70S/TS1/4	7314150218349	350	50	1	136
70S/TS10	7314150218356	350	50	1	136
70S/TS5/16	7314150218363	350	50	1	136
70S/TS8	7314150218370	350	50	1	136
7106J0080	8413345025164	354	15	1	79
7106S0080	8413345025171	354	15	1	89
7190	7314150052479	340	10	10	420
7190 CO	7314150052790	340	10	10	420









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7191	7314150052509	340	10	10	420
7191 CO	7314150052806	340	10	10	420
7223	7314150237722	340	75	5	198
7224	7311518274733	340	75	5	198
7225	7314150237739	340	75	2	198
7280	7314150052523	340	10	10	420
7285	7314150052530	340	10	10	420
7290	7314150052547	340	10	10	421
7291	7314150052554	340	10	10	421
7292	7314150052578	340	10	10	421
7293	7314150052592	340	10	10	421
7372I-2-63	7314151398668	350	40	10	167
7372I-2.5-75	7314151399047	350	40	10	167
7372I-3-80	7314151341602	350	40	10	167
7400SM-10	7314151092955	354	10	5	74
7400SM-11	7314151092962	354	10	5	74
7400SM-12	7314151092979	354	10	5	74
7400SM-13	7314151092986	354	10	5	74
7400SM-14	7314151092993	354	10	5	74
7400SM-15	7314151093006	354	10	5	74
7400SM-16	7314151831127	354	10	5	74
7400SM-17	7314151093020	354	10	5	74
7400SM-18	7314151831134	354	10	5	74
7400SM-19	7314151093044	354	10	5	74
7400SM-20	7314153002570	354	10	5	74
7400SM-21	7314153002587	354	10	5	74
7400SM-22	7314153002594	354	10	5	74
7400SM-6	7314151092917	354	10	5	74
7400SM-7	7314151092924	354	10	5	74
7400SM-8	7314151092931	354	10	5	74
7400SM-9	7314151092948	354	10	5	74
7400SM/T8/23	7314150136643	356	25	1	285
7400SM/T8/E	7314150137084	356	25	1	285
7400SR/S12	7314153003294	354	25	1	74
7400TORX-E10	7314153003058	354	10	5	76
7400TORX-E11	7314153003065	354	10	5	76
7400TORX-E12	7314153003072	354	10	5	76
7400TORX-E14	7314153003089	354	10	5	76
7400TORX-E16	7314153003096	354	10	5	76
7400TORX-E18	7314153003102	354	10	5	76
7400TORX-E8	7314150118243	354	10	5	76
7400TORX-ER/S7	7314153003300	354	25	1	76
7406ZZ-16	7314153011992	312	10	1	220
7406ZZ-21	7314153012005	312	10	1	220
7407H	7314151218249	354	35	1	113
7408H	7314151218300	354	35	1	113
7408MD	7314150220328	354	25	1	75
7409BH-10	7314153002112	354	10	5	77
7409BH-4	7314153002075	354	10	5	77
7409BH-5	7314153002082	354	10	1	77
7409BH-6	7314153002099	354	10	5	77
7409BH-8	7314153002105	354	10	5	77
7409F-10	7314153002143	354	10	5	76
7409F-6.5	7314153002129	354	10	5	76
7409F-8	7314153002136	354	10	5	76
7409H	7314151218355	354	35	1	113
7409M-10	7314153001962	354	10	5	77
7409M-3	7314153002235	354	10	5	77
7409M-4	7314153001900	354	10	5	77
7409M-5	7314153001917	354	10	5	77
7409M-6	7314153001924	354	10	5	77
7409M-7	7314153001931	354	10	5	77
7409M-8	7314153001948	354	10	5	77
7409MB	7314150220236	354	25	1	75
7409MR/S7	7314153003256	354	25	1	77
7409PH-1	7314153002150	354	10	5	76
7409PH-2	7314153002167	354	10	5	76
7409PH-3	7314153002174	354	10	5	76
7409TORX-R-T27	7314153001856	354	10	5	77
7409TORX-R-T30	7314153001863	354	10	5	77
7409TORX-R-T40	7314153001870	354	10	5	77
7409TORX-R-T45	7314153001887	354	10	5	77
7409TORX-R-T50	7314153001894	354	10	5	77
7409TORX-T20	7314150220403	354	10	5	76
7409TORX-T25	7314153001771	354	10	5	76
7409TORX-T25-L	7314153011237	354	10	5	77
7409TORX-T27	7314153001788	354	10	5	76
7409TORX-T30	7314153001795	354	10	5	76
7409TORX-T30-L	7314153011244	354	10	5	77



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7409TORX-T40	7314153001801	354	10	5
7409TORX-T40-L	7314153011251	354	10	5
7409TORX-T45	7314153001818	354	10	5
7409TORX-T45-L	7314153011268	354	10	5
7409TORX-T50	7314153001825	354	10	5
7409TORX-T50-L	7314153011275	354	10	5
7409TORX-TRR/S5	7314153003263	354	25	1
7415MBP	7314150218813	354	25	1
7420RE	7314153014962	354	25	1
7422MBP	7314150218837	354	25	1
7422MBR	7314150218844	354	25	1
7422MHP	7314150218851	354	25	1
7422MHR	7314150218868	354	25	1
7429JDE	7314153003348	354	25	1
7430GE	7314153014979	354	25	1
7440ME	7314153014986	354	25	1
7444SG-M-100	7314151830014	366	20	1
7444SG-M-105	7314151830021	366	20	1
7444SG-M-110	7314151830038	366	20	1
7444SG-M-115	7314151830045	366	20	1
7444SG-M-120	7314151830052	366	20	1
7444SG-M-125	7314151830069	366	20	1
7444SG-M-130	7314151830076	366	20	1
7444SG-M-135	7314151830083	366	20	1
7444SG-M-140	7314151830090	366	20	1
7444SG-M-145	7314151830106	366	20	1
7444SG-M-150	7314151830113	366	20	1
7444SG-M-155	7314151830120	366	20	1
7444SG-M-160	7314150132508	366	20	1
7444SG-M-165	7314150132515	366	20	1
7444SG-M-170	7314150132522	366	20	1
7444SG-M-175	7314150132539	366	20	1
7444SG-M-24	7314150205400	366	20	1
7444SG-M-27	7314151829834	366	20	1
7444SG-M-30	7314151829841	366	20	1
7444SG-M-32	7314151829858	366	20	1
7444SG-M-34	7314151838560	366	20	1
7444SG-M-36	7314151829865	366	20	1
7444SG-M-38	7314150180936	366	20	1
7444SG-M-41	7314151829872	366	20	1
7444SG-M-42	7314151829889	366	20	1
7444SG-M-46	7314151829896	366	20	1
7444SG-M-50	7314151829919	366	20	1
7444SG-M-55	7314151829926	366	20	1
7444SG-M-60	7314151829933	366	20	1
7444SG-M-65	7314151829940	366	20	1
7444SG-M-70	7314151829957	366	20	1
7444SG-M-75	7314151829964	366	20	1
7444SG-M-80	7314151829971	366	20	1
7444SG-M-85	7314151829988	366	20	1
7444SG-M-90	7314151829995	366	20	1
7444SG-M-95	7314151830007	366	20	1
7444SG-Z-1.1/16	7314150132546	366	20	1
7444SG-Z-1.1/2	7314150132614	366	20	1
7444SG-Z-1.1/4	7314150132577	366	20	1
7444SG-Z-1.1/8	7314150132553	366	20	1
7444SG-Z-1.11/16	7314150132638	366	20	1
7444SG-Z-1.13/16	7314150132652	366	20	1
7444SG-Z-1.3/16	7314150132560	366	20	1
7444SG-Z-1.3/4	7314150132645	366	20	1
7444SG-Z-1.3/8	7314150132591	366	20	1
7444SG-Z-1.5/16	7314150132584	366	20	1
7444SG-Z-1.5/8	7314150132621	366	20	1
7444SG-Z-1.7/16	7314150132607	366	20	1
7444SG-Z-1.7/8	7314150132669	366	20	1
7444SG-Z-2	7314150132676	366	20	1
7444SG-Z-2.1/16	7314150132683	366	20	1
7444SG-Z-2.1/4	7314150132713	366	20	1
7444SG-Z-2.1/8	7314150132690	366	20	1
7444SG-Z-2.3/16	7314150132706	366	20	1
7444SG-Z-2.3/4	7314150132768	366	20	1
7444SG-Z-2.3/8	7314150132720	366	20	1
7444SG-Z-2.5/8	7314150132751	366	20	1
7444SG-Z-2.9/16	7314150132744	366	20	1
7444SG-Z-3	7314150132775	366	20	1
7444SG-Z-3.1/2	7314150132805	366	20	1
7444SG-Z-3.1/8	7314150132782	366	20	1
7444SG-Z-3.3/4	7314150132812	366	20	1
7444SG-Z-3.3/8	7314150132799	366	20	1

		ACCOUNT SUBGROUP		
7444SG-Z-3.7/8	7314150132829	366	20	1
7444SG-Z-4	7314150132836	366	20	1
7444SG-Z-4.1/2	7314150132850	366	20	1
7444SG-Z-4.1/8	7314150132843	366	20	1
744T00000	8413345210638	354	20	1
744T01190	8413345206761	354	20	1
7451-100	7314151845469	360	10	1
7451-20	7314151845452	360	10	1
7451-60	7314150124879	360	10	1
7452-1	7314151703646	360	15	1
7452-10	7314151848736	360	15	1
7452-100	7314151845506	360	10	1
7452-2	7314150136377	360	15	1
7452-6-5/16	7314150214693	360	15	1
7452-7-1/2	7314150258192	360	15	1
7452-7-1/4	7314150258154	360	15	1
7452-7-10	7314151705855	360	15	1
7452-7-11	7314151705930	360	15	1
7452-7-11/16	7314150258222	360	15	1
7452-7-12	7314150214648	360	15	1
7452-7-13	7314151706074	360	15	1
7452-7-14	7314151706159	360	15	1
7452-7-15	7314151707989	360	15	1
7452-7-16	7314151708016	360	15	1
7452-7-17	7314151708283	360	15	1
7452-7-18	7314151839321	360	15	1
7452-7-19	7314151708368	360	15	1
7452-7-3/4	7314150258239	360	15	1
7452-7-3/8	7314150258178	360	15	1
7452-7-5/16	7314150258161	360	15	1
7452-7-5/8	7314150258215	360	15	1
7452-7-7	7314151713010	360	15	1
7452-7-7/16	7314150258185	360	15	1
7452-7-8	7314151713287	360	15	1
7452-7-9	7314151705770	360	15	1
7452-7-9/16	7314150258208	360	15	1
7452-8-10	7314151706586	360	15	1
7452-8-11	7314151706661	360	15	1
7452-8-12	7314151706746	360	15	1
7452-8-13	7314151706821	360	15	1
7452-8-14	7314151707040	360	15	1
7452-8-15	7314151708443	360	15	1
7452-8-17	7314151708528	360	15	1
7452-8-19	7314151708795	360	15	1
7452-8-22	7314150214655	360	15	1
7452-8-7	7314151706234	360	15	1
7452-8-8	7314151706319	360	15	1
7452-9-10	7314151707125	360	15	1
7452-9-11	7314151707392	360	15	1
7452-9-12	7314151707477	360	15	1
7452-9-13	7314151707552	360	15	1
7452-9-14	7314151707637	360	15	1
7452-9-16	7314151848590	360	15	1
7452-9-17	7314151708870	360	15	1
7452-9-18	7314151708955	360	15	1
7452-9-19	7314151709099	360	15	1
7452P-100	7314150260300	360	10	1
7452P-20	7314150260287	360	10	1
7452P-60	7314150260294	360	10	1
7453-20-10	7314150119486	360	10	1
7453-20-6	7314150119479	360	10	1
7453-20-6F	7314150119462	360	10	1
7454-140	7314150119547	360	10	1
7454-1400	7314150119592	360	10	1
7454-1400E	7314150119615	360	10	1
7454-18	7314150119516	360	10	1
7454-240	7314150119554	360	10	1
7454-3	7314150119493	360	10	1
7454-35	7314150119523	360	10	1
7454-350	7314150119561	360	10	1
7454-480	7314150119578	360	10	1
7454-70	7314150119530	360	10	1
7454-800	7314150119585	360	10	1
7454-800E	7314150119608	360	10	1
7454-9	7314150119509	360	10	1
7455-100	7314150125111	360	10	1
7455-15	7314150119646	360	10	1
7455-1500	7314150125166	360	10	1
7455-20	7314150125074	360	10	1



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7455-200	7314150125128	360	10	1	104
7455-25	7314150125081	360	10	1	104
7455-2500	7314150125173	360	10	1	104
7455-300	7314150125104	360	10	1	104
7455-340	7314150125135	360	10	1	104
7455-5	7314150119639	360	10	1	104
7455-500	7314150125142	360	10	1	104
7455-60	7314150125098	360	10	1	104
7455-800	7314150125159	360	10	1	104
7456-80LB	7314150119783	360	10	1	104
7490	7314150052646	340	10	10	421
7490 CO	7314150052875	340	10	10	421
74DTT-100	7314150184149	360	35	1	109
74S/H10	7314150218622	350	50	1	136
74S/H12	7314150218639	350	50	1	136
74S/H14	7314150218646	350	50	1	136
74S/H17	7314150218653	350	50	1	136
74S/H4	7314150218578	350	50	1	136
74S/H5	7314150218585	350	50	1	136
74S/H6	7314150218592	350	50	1	136
74S/H7	7314150218608	350	50	1	136
74S/H8	7314150218615	350	50	1	136
7590	7314150052660	340	10	1	421
7590 CO	7314150052882	340	10	10	421
7710	73141515551445	354	20	1	78
7710-SO/1	7314151809744	354	20	1	80
7750	7314151096427	354	20	1	77
7750-SPARE	7314150187874	354	20	1	80
7750RN	7314151831240	354	20	1	77
7750RN-SPARE	7314150209361	354	20	1	80
7750SL	7314150197675	354	20	1	78
7750SL-SPARE	7314150210268	354	20	1	80
7752	7314151096533	354	15	1	78
7754	7314151096557	354	15	1	78
7755-3/8	7314153002372	354	20	1	77
7755-SO/1	7314153010728	354	20	1	80
7757	7314151096588	354	15	1	78
7758	7314151096595	354	15	1	78
7759	7314151096601	354	15	1	78
7760	7314151096618	354	15	1	78
7760-W	7314150107155	354	15	1	78
7761	7314151096632	354	15	1	78
7761-W	7314150107162	354	15	1	78
7762	7314151096649	354	15	1	78
7764	7314151096670	354	15	1	79
7765	7314151096687	354	15	1	69
7766	7314151096694	354	15	1	79
7767	7314153003577	354	15	1	69
7768	7314150128433	354	15	1	79
7800DM-10	7314151096991	354	10	10	84
7800DM-11	7314151097011	354	10	10	84
7800DM-12	7314151097035	354	10	10	84
7800DM-13	7314151097059	354	10	10	84
7800DM-14	7314151097073	354	10	10	84
7800DM-15	7314151097097	354	10	10	84
7800DM-16	7314151097110	354	10	10	84
7800DM-17	7314151097134	354	10	10	84
7800DM-18	7314151097158	354	10	10	84
7800DM-19	7314151097172	354	10	10	84
7800DM-20	7314151097196	354	10	10	84
7800DM-21	7314151097219	354	10	10	84
7800DM-22	7314151097233	354	10	10	84
7800DM-23	7314151097257	354	10	5	84
7800DM-24	7314151097271	354	10	5	84
7800DM-25	7314151097295	354	10	5	84
7800DM-26	7314151097318	354	10	5	84
7800DM-27	7314151097332	354	10	5	84
7800DM-28	7314151097356	354	10	5	84
7800DM-29	7314151097363	354	10	5	84
7800DM-30	7314151097370	354	10	5	84
7800DM-32	7314151097387	354	10	5	84
7800DM-36	7314151097400	354	10	1	84
7800DM-8	7314151830854	354	10	10	84
7800DM-9	7314151830861	354	10	10	84
7800DM/T12/27	7314150136605	356	25	1	284
7800DM/T12/E	7314150137046	356	25	1	284
7800DMV-10	7314150121656	354	40	10	318
7800DMV-11	7314150121663	354	40	10	318
7800DMV-12	7314150121670	354	40	10	318



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7800DMV-13	7314150121687	354	40	10	318
7800DMV-14	7314150121694	354	40	10	318
7800DMV-15	7314150121700	354	40	10	318
7800DMV-16	7314150121717	354	40	10	318
7800DMV-17	7314150121724	354	40	10	318
7800DMV-18	7314150121731	354	40	10	318
7800DMV-19	7314150121748	354	40	10	318
7800DMV-20	7314150121755	354	40	10	318
7800DMV-21	7314150121762	354	40	10	318
7800DMV-22	7314150121779	354	40	10	318
7800DMV-24	7314150121786	354	40	5	318
7800DMV-27	7314150121793	354	40	5	318
7800DMV-30	7314150121809	354	40	5	318
7800DMV-32	7314150121816	354	40	5	318
7800DMV-8	7314150121649	354	40	10	318
7800DZ-1	7314151097561	354	10	5	84
7800DZ-1.1/1/16	7314151097578	354	10	1	84
7800DZ-1.1/4	7314151097608	354	10	5	84
7800DZ-1.1/8	7314151097585	354	10	5	84
7800DZ-1.3/1/16	7314151097592	354	10	1	84
7800DZ-1/2	7314151097455	354	10	10	84
7800DZ-11/16	7314151097493	354	10	5	84
7800DZ-13/16	7314151097523	354	10	5	84
7800DZ-15/16	7314151097554	354	10	5	84
7800DZ-19/32	7314151097479	354	10	5	84
7800DZ-25/32	7314151097516	354	10	5	84
7800DZ-3/4	7314151097509	354	10	5	84
7800DZ-3/8	7314151097431	354	10	10	84
7800DZ-5/8	7314151097486	354	10	5	84
7800DZ-7/16	7314151097448	354	10	10	84
7800DZ-7/8	7314151097530	354	10	5	84
7800DZ-9/16	7314151097462	354	10	10	84
7800SM-10	7314151097851	354	10	10	82
7800SM-11	7314151097868	354	10	10	82
7800SM-12	7314151097875	354	10	10	82
7800SM-13	7314151097882	354	10	10	82
7800SM-14	7314151097899	354	10	10	82
7800SM-15	7314151097905	354	10	10	82
7800SM-16	7314151097912	354	10	10	82
7800SM-17	7314151097929	354	10	10	82
7800SM-18	7314151097936	354	10	10	82
7800SM-19	7314151097943	354	10	10	82
7800SM-20	7314150166206	354	10	10	82
7800SM-21	7314151097967	354	10	10	82
7800SM-22	7314151097974	354	10	10	83
7800SM-23	7314151097981	354	10	5	83
7800SM-24	7314151097998	354	10	5	83
7800SM-25	7314151098001	354	10	5	83
7800SM-26	7314151830823	354	10	5	83
7800SM-27	7314151098025	354	10	5	83
7800SM-28	7314151830830	354	10	5	83
7800SM-29	7314150166213	354	10	1	83
7800SM-30	7314151098056	354	10	5	83
7800SM-32	7314151098063	354	10	5	83
7800SM-34	7314153011305	354	10	5	83
7800SM-36	7314151098087	354	10	1	83
7800SM-8	7314151830793	354	10	10	82
7800SM-9	7314151830809	354	10	10	82
7800SM/T12/26	7314150136599	356	25	1	284
7800SM/T12/E	7314150137039	356	25	1	284
7800SZ-1	7314150166107	354	10	10	83
7800SZ-1.1/1/16	7314150166114	354	10	10	83
7800SZ-1.1/4	7314150166121	354	10	10	83
7800SZ-1.1/8	7314150166138	354	10	5	83
7800SZ-1.3/1/16	7314150166145	354	10	10	83
7800SZ-1/2	7314150166169	354	10	10	83
7800SZ-11/16	7314150166176	354	10	10	83
7800SZ-13/16	7314150166183	354	10	10	83
7800SZ-15/16	7314150166190	354	10	10	83
7800SZ-3/4	7314150166220	354	10	10	83
7800SZ-3/8	7314150166237	354	10	10	83
7800SZ-5/16	7314150169399	354	10	10	83
7800SZ-5/8	7314150166244	354	10	10	83
7800SZ-7/16	7314150166251	354	10	10	83
7800SZ-7/8	7314150166268	354	10	10	83
7800SZ-9/16	7314150166275	354	10	10	83
7800TORX-E10	7314150166084	354	10	5	85
7800TORX-E11	7314150220359	354	10	5	85
7800TORX-E12	7314153011800	354	10	5	85

7800TORX-E14	7314153011756	354	10	5	85
7800TORX-E16	7314153011763	354	10	5	85
7800TORX-E18	7314153011770	354	10	5	85
7800TORX-E20	7314153011787	354	10	5	85
7800TORX-E24	7314153011794	354	10	5	85
7800TORX-E8	7314150166091	354	10	5	85
7805DM-10	7314151822101	354	10	5	84
7805DM-12	7314151098452	354	10	5	84
7805DM-13	7314151098469	354	10	5	84
7805DM-14	7314151098476	354	10	5	84
7805DM-15	7314151098483	354	10	5	84
7805DM-16	7314151098490	354	10	5	84
7805DM-17	7314151098506	354	10	5	84
7805DM-18	7314151098513	354	10	5	84
7805DM-19	7314151098520	354	10	5	84
7805DM-21	7314151098544	354	10	1	84
7805DM-22	7314151098551	354	10	1	84
7805DM-24	7314151098568	354	10	1	84
7805DM-26	7314151098582	354	10	1	84
7805DM-27	7314151098599	354	10	1	84
7805DM-30	7314151098605	354	10	1	84
7805DM/T6/6	7314150165995	356	25	1	285
7805DM/T6/6/E	7314150166008	356	25	1	285
7805SM-10	7314153011312	354	10	5	83
7805SM-12	7314153011329	354	10	5	83
7805SM-13	7314153011336	354	10	5	83
7805SM-14	7314153011343	354	10	5	83
7805SM-15	7314153011350	354	10	5	83
7805SM-16	7314153011367	354	10	5	83
7805SM-17	7314153011374	354	10	5	83
7805SM-18	7314153011381	354	10	5	83
7805SM-19	7314153011398	354	10	5	83
7805SM-20	7314153011404	354	10	5	83
7805SM-21	7314153011411	354	10	1	83
7805SM-22	7314153011428	354	10	1	83
7805SM-23	7314153011435	354	10	1	83
7805SM-24	7314153011442	354	10	1	83
7805SM-25	7314153011459	354	10	1	83
7805SM-26	7314153011466	354	10	1	83
7805SM-27	7314153011473	354	10	1	83
7805SM-28	7314153011480	354	10	1	83
7805SM-29	7314153011497	354	10	1	83
7805SM-30	7314153011503	354	10	1	83
7805SM-32	7314153011527	354	10	1	83
7805ZZ-16	7314151822767	312	10	1	220
7805ZZ-21	7314151347338	312	10	1	220
7806	7314153012012	354	10	1	222
7806MD	7314150220335	354	25	1	84
7806TE	7314150220342	354	25	1	85
7806XZN	7314150220441	354	25	1	86
7807	7314153012029	354	10	1	222
7807H	7314151232764	354	35	1	115
7808H	7314151232771	354	35	1	115
7808HM	7314150220434	354	25	1	86
7809F-10	7314151830892	354	10	5	85
7809F-8	7314151830885	354	10	5	85
7809H	7314151232788	354	35	1	115
7809M-10	7314151815608	354	10	5	86
7809M-10-140	7314151831011	354	10	5	86
7809M-12	7314151815615	354	10	5	86
7809M-12-100	7314150220410	354	10	1	86
7809M-14	7314151815622	354	10	5	86
7809M-17	7314151831028	354	10	5	86
7809M-19	7314151831035	354	10	5	86
7809M-4	7314150214600	354	10	1	86
7809M-5	7314151815561	354	10	5	86
7809M-5-180	7314151830922	354	10	5	86
7809M-6	7314151815578	354	10	5	86
7809M-6-140	7314151830946	354	10	5	86
7809M-6-220	7314150220427	354	10	1	86
7809M-7	7314151815585	354	10	5	86
7809M-7-100	7314151830960	354	10	5	86
7809M-8	7314151815592	354	10	5	86
7809M-8-120	7314151830984	354	10	5	86
7809M-9	7314151830991	354	10	5	86
7809M/10	7314151831448	354	25	1	94
7809M/T8/15	7314150136803	356	25	1	288
7809M/T8/E	7314150137220	356	25	1	288
7809PH-2	7314151830908	354	10	5	85

7809PH-3	7314151830915	354	10	5	85
7809PH-4	7314153003423	354	10	5	85
7809PZ-2	7314153003430	354	10	5	85
7809PZ-3	7314153003447	354	10	5	85
7809T-2/T2/6	7314150165971	356	25	1	287
7809T-2/T2/6/E	7314150165988	356	25	1	287
7809T/T3/9	7314150136797	356	25	1	287
7809T/T3/E	7314150137213	356	25	1	287
7809TO	7314150220465	354	25	1	86
7809TORX-T20	7314151811730	354	10	5	85
7809TORX-T25	7314151811747	354	10	5	85
7809TORX-T27	7314151811754	354	10	5	85
7809TORX-T30	7314151811761	354	10	5	85
7809TORX-T40	7314151811778	354	10	5	85
7809TORX-T40-120	7314150220564	354	10	5	85
7809TORX-T45	7314151811785	354	10	5	85
7809TORX-T45-120	7314150220557	354	10	5	85
7809TORX-T50	7314151811792	354	10	5	85
7809TORX-T50-100	7314150220540	354	10	5	85
7809TORX-T55	7314151811808	354	10	5	85
7809TORX-T55-140	7314150220533	354	10	5	85
7809TORX-T60	7314151811815	354	10	5	85
7809TORX-T70-140	7314150220526	354	10	5	85
7809TORX/10	7314151831455	354	25	1	94
7809XZN-10	7314151831080	354	10	5	86
7809XZN-10-100	7314151831097	354	10	1	86
7809XZN-12	7314151831103	354	10	1	86
7809XZN-12-100	7314151831110	354	10	1	86
7809XZN-14	7314153004574	354	10	1	86
7809XZN-14-100	7314153004567	354	10	1	86
7809XZN-16	7314150220458	354	10	1	86
7809XZN-6	7314150214617	354	10	1	86
7809XZN-8	7314151831066	354	10	1	86
7809XZN-8-100	7314151831073	354	10	1	86
7809Z-1/2	7314153003515	354	10	5	86
7809Z-1/4	7314153003478	354	10	5	86
7809Z-19/32	7314153003546	354	10	5	86
7809Z-3/16	7314153003461	354	10	5	86
7809Z-3/8	7314153003492	354	10	5	86
7809Z-5/16	7314153003485	354	10	5	86
7809Z-5/8	7314153003553	354	10	5	86
7809Z-7/16	7314153003508	354	10	5	86
7809Z-9/16	7314153003539	354	10	5	86
7809Z/10	7314153003560	354	10	1	94
7810MB	7314150220380	354	25	1	84
7810MHV	7314150220373	354	25	1	83
7811DMV	7314150122134	354	40	1	318
7813MHP	7314150218875	354	25	1	90
7816MBR	7314150218882	354	25	1	90
7816MHP	7314150218899	354	25	1	91
7818MBP	7314150218905	354	25	1	91
7818MHR	7314150218912	354	25	1	91
7819DME	7314151838270	354	25	1	90
7819DRN	7314151831547	354	25	1	92
7819DZ	7314151831516	354	25	1	93
7819DZE	7314151838287	354	25	1	93
7819HNRE	7314151837938	354	25	1	91
7819HRN	7314151831493	354	25	1	92
7819JE	7314151837976	354	25	1	93
7819SRE	7314151837921	354	25	1	90
782-U	7311518276447	312	25	1	42
7823	7314150218141	350	46	16	136
7825MBP	7314150218929	354	25	1	92
7825MBR	7314150218936	354	25	1	92
7825MHP	7314150218943	354	25	1	92
7825MHR	7314150218950	354	25	1	92
783	7311518276034	312	25	1	42
7835 G-160	7314150050253	340	55	5	184
7851-100	7314150124886	360	10	1	104
7851-200	7314151845476	360	10	1	104
7851-340	7314151845483	360	10	1	104
7851-G	7314150124909	360	10	1	108
7851-M	7314150124893	360	10	1	108
7852-1	7314151703998	360	15	1	104
7852-10	7314151848743	360	15	1	105
7852-200	7314151845513	360	10	1	104
7852-340	7314151845520	360	10	1	104
7852-7-1	7314150258321	360	15	1	105
7852-7-1.1/4	7314150258345	360	15	1	105



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7852-7-1.1/8	7314150258338	360	15	1	105
7852-7-1/2	7314150258246	360	15	1	105
7852-7-11/16	7314150258277	360	15	1	105
7852-7-13	7314151709334	360	15	1	105
7852-7-13/16	7314150258291	360	15	1	105
7852-7-14	7314151709419	360	15	1	105
7852-7-15	7314151709686	360	15	1	105
7852-7-15/16	7314150258314	360	15	1	105
7852-7-17	7314151709761	360	15	1	105
7852-7-18	7314151839338	360	15	1	105
7852-7-19	7314151709846	360	15	1	105
7852-7-22	7314151839345	360	15	1	105
7852-7-24	7314151710187	360	15	1	105
7852-7-27	7314151710262	360	15	1	105
7852-7-3/4	7314150258284	360	15	1	105
7852-7-30	7314151839352	360	15	1	105
7852-7-32	7314151808693	360	15	1	105
7852-7-5/8	7314150258260	360	15	1	105
7852-7-7/8	7314150258307	360	15	1	105
7852-7-9/16	7314150258253	360	15	1	105
7852-8-13	7314151710347	360	15	1	105
7852-8-14	7314151710422	360	15	1	105
7852-8-15	7314151710699	360	15	1	105
7852-8-17	7314151710774	360	15	1	105
7852-8-19	7314151710859	360	15	1	105
7852-8-22	7314151713362	360	15	1	105
7852-8-24	7314151710934	360	15	1	105
7852-8-27	7314151711078	360	15	1	105
7852-8-30	7314151808716	360	15	1	105
7852-8-32	7314151808723	360	15	1	105
7852-8-36	7314150214662	360	15	1	105
7852-8-41	7314150214679	360	15	1	105
7852P-200A	7314150260317	360	10	1	104
7852P-340	7314150260324	360	10	10	104
7865	7311518276720	350	46	1	136
78802	7314150218202	350	46	1	190
78803	7314150216024	350	46	1	190
7886DME	7314151837952	354	25	1	91
7886DZE	7314151837969	354	25	1	93
7886SME	7314151837945	354	25	1	91
7888DM	7314151820923	354	25	1	93
7888SM	7314151820916	354	25	1	93
7890	7314150052691	340	10	10	421
7890 CO	7314150052899	340	10	10	421
7891	7314150052714	340	10	10	421
7891 CO	7314150052905	340	10	10	421
7892	7314150052738	340	10	10	421
7893	7314150052769	340	10	10	421
78DTT-340	7314150182626	360	35	1	109
790450A	7314150214716	340	25	1	187
790455A	7314150214709	340	25	1	187
7993M0170	8413345115353	354	30	1	118
7993M0190	8413345115377	354	30	1	118
7993M0220	8413345115391	354	30	1	118
7993M0270	8413345115414	354	30	1	118
7993S0050	8413345115070	354	30	1	115
7993S0060	8413345115094	354	30	1	115
7993S0080	8413345115117	354	30	1	115
7993S0100	8413345115131	354	30	1	115
7993S0120	8413345115155	354	30	1	115
7993S0140	8413345115179	354	30	1	115
7993S0170	8413345115193	354	30	1	115
7993S0190	8413345115216	354	30	1	115
7993T0120	8413345115230	354	30	1	117
7993T0140	8413345115254	354	30	1	117
7993T0170	8413345115278	354	30	1	117
7993T0190	8413345115292	354	30	1	117
7993T0220	8413345115315	354	30	1	117
7993T0240	8413345115339	354	30	1	117
7994S0300	8413345129305	354	30	1	115
7994S0400	8413345129312	354	30	1	115
7994S0450	8413345129329	354	30	1	115
7994S0500	8413345129336	354	30	1	115
7994S0550	8413345129343	354	30	1	115
7994S0600	8413345129350	354	30	1	115
800-4	7314151846497	350	12	1	153
800S/T10/9	7314150136674	356	25	1	286
800S/T10/E	7314150137114	356	25	1	286
800S/T8/9	7314150136711	356	25	1	286



ACCOUNT SUBGROUP



800S/T8/E	7314150137152	356	25	1	286
8010SL-2P	7314150243853	350	38	1	165
8020-2P	7314150246601	350	10	1	144
8030-2P	7314150246618	350	10	1	144
804-5-BL	7314150216888	350	12	1	155
804-6	7314151846510	350	12	1	153
804-6-BL	7314150216925	350	12	1	155
804-6-TS	7314150216901	350	12	1	155
8040-2P	7314150246625	350	10	1	144
8040L-2P	7314150246670	350	10	1	145
8040SL-2P	7314150243877	350	38	1	313
8045LVDE	7314151509163	350	46	10	168
8045VDE	7314151317256	350	46	10	168
805-6	7314150138685	350	12	1	154
8050SL-2P	7314150243884	350	38	1	313
8052	7314151318406	350	46	5	164
806-1-1	7311518003760	350	46	6	168
806-1-2	7314150183258	350	46	6	168
806-1-3	7314150183265	350	46	6	168
806-5-BL	7314150216895	350	12	1	155
806-6	7314151846527	350	12	1	154
8069	7314150007028	310	10	5	44
8069 C	7314150007035	310	10	5	45
8069 C IP	7314150101634	310	10	5	45
8069 IP	7314150007042	310	10	50	44
8069 R-1	7314150239658	310	10	1	45
8069 R-2	7314150238736	310	10	1	45
8069-1	7314150239511	310	10	1	45
8069-2	7314150238590	310	10	1	45
807-5	7314153010704	350	12	1	154
8070	7314150007110	310	10	5	44
8070 C	7314150007127	310	10	5	45
8070 C IP	7314150101641	310	10	5	45
8070 IP	7314150007134	310	10	40	44
8070 R-1	7314150239665	310	10	1	45
8070 R-2	7314150238743	310	10	1	45
8070-1	7314150239528	310	10	1	45
8070-2	7314150238606	310	10	1	45
8070V	7314150121519	310	25	2	317
8070VL	7314150213511	310	25	1	317
8071	7314150007202	310	10	5	44
8071 C	7314150007219	310	10	5	45
8071 C IP	7314150101658	310	10	5	45
8071 IP	7314150007226	310	10	50	44
8071 R-1	7314150239672	310	10	1	45
8071 R-2	7314150238750	310	10	1	45
8071-1	7314150239535	310	10	1	45
8071-2	7314150238613	310	10	1	45
8071V	7314150121526	310	25	2	317
8071VL	7314150213535	310	25	1	317
8071VLT	7314150121564	310	25	1	317
8072	7314150007288	310	10	5	44
8072 C	7314150007295	310	10	5	45
8072 C IP	7314150101665	310	10	5	45
8072 IP	7314150007301	310	10	30	44
8072 R-1	7314150239689	310	10	1	45
8072 R-2	7314150238767	310	10	1	45
8072-1	7314150239542	310	10	1	45
8072-2	7314150238620	310	10	1	45
8072V	7314150121533	310	25	2	317
8072VL	7314150213542	310	25	1	317
8072VLT	7314150121571	310	25	1	317
8073	7314150007363	310	10	5	44
8073 C	7314150007370	310	10	3	45
8073 C IP	7314150101672	310	10	3	45
8073 IP	7314150007387	310	10	20	44
8073 R-1	7314150239696	310	10	1	45
8073 R-2	7314150238774	310	10	1	45
8073-1	7314150239559	310	10	1	45
8073-2	7314150238637	310	10	1	45
8073V	7314150121540	310	25	2	317
8073VL	7314150213559	310	25	1	317
8073VLT	7314150121588	310	25	1	317
8074	7314150007448	310	10	3	44
8074 C	7314150007455	310	10	3	45
8074 C IP	7314150101689	310	10	3	45
8074 IP	7314150007462	310	10	20	44
8074-1	7314150239566	310	10	1	45
8074-2	7314150238644	310	10	1	45



		ACCOUNT	SUBGROUP			
8074V	7314150121557	310	25	2	317	
8075	7314150007523	310	10	3	44	
8075 C	7314150007530	310	10	3	45	
8075 C IP	7314150101696	310	10	3	45	
8075 IP	7314150007547	310	10	10	44	
8075-1	7314150239573	310	10	1	45	
8075-2	7314150238651	310	10	1	45	
808-10	7314153010797	350	12	1	154	
808-9	7314151846534	350	12	1	154	
808050	7314153017642	350	38	1	164	
808050/T6/41	7314150136902	356	25	1	289	
808050/T6/E	7314150137312	356	25	1	289	
808050A	7314150127306	350	46	1	164	
808050L	7314150128075	350	38	25	164	
808050L-SP1	7314150129218	350	38	1	164	
808050P	7314150128105	350	38	50	164	
808050P-25	7314150165179	350	38	10	164	
808050S	7314150128082	350	38	1	164	
808050S-18	7314150128921	350	38	30	164	
808050S-22	7314150128938	350	38	30	164	
808050TORX	7314150127313	350	46	50	164	
808050TS	7314150128099	350	38	1	164	
808060	7314150243822	350	38	1	165	
808061	7314150243839	350	38	5	164	
808062	7314150243846	350	38	5	165	
809-5	7314150218172	350	12	1	155	
810-5	7314151846541	350	12	1	155	
810-6	7314150216918	350	12	1	154	
811-10-200	7311518013776	350	12	10	151	
811-12-250	7314150216437	350	12	10	151	
811-14-250	7314150216444	350	12	10	151	
811-4-100	7314150216413	350	12	10	151	
811-4-75	7314150216406	350	12	10	151	
811-5.5-25	7314151845971	350	12	10	151	
811-5.5-100	7311518013738	350	12	10	151	
811-5.5-125	7311518013745	350	12	10	151	
811-6.5-125	7314151845865	350	12	10	151	
811-6.5-150	7311518013752	350	12	10	151	
811-6.5-25	7311518013783	350	12	10	151	
811-8-150	7314151845872	350	12	10	151	
811-8-175	7314150216420	350	12	10	151	
8110-1/2	7314151808853	354	20	1	87	
8110-SO/1	7314151809751	354	20	1	90	
8110H-1/2	7314153015860	354	20	1	87	
813	7314150055852	340	10	1	420	
813-2.5-75	7314151845889	350	12	10	152	
813-3-100	7314151845896	350	12	10	152	
813-3-200	7314150216451	350	12	10	152	
813-3-75	7311518013844	350	12	10	152	
813-3.5-100	7311518013851	350	12	10	152	
813-4-100	7314151845902	350	12	10	152	
813-4-125	7311518013868	350	12	10	152	
813-4-250	7314150216468	350	12	10	152	
813-5.5-125	7314150216475	350	12	10	152	
813-5.5-150	7311518013875	350	12	10	152	
813-5.5-300	7314150216482	350	12	10	152	
813-6.5-150	7314150216505	350	12	10	152	
8130	7314150050918	340	10	10	419	
8131	7314150050925	340	10	10	419	
8131 CO	7314150051519	340	10	10	419	
8132	7314150050932	340	10	10	419	
813VDE-10-200	7314151846237	350	26	10	153	
813VDE-12-200	7314151846244	350	26	10	153	
813VDE-2.5-100	7314150216864	350	26	10	153	
813VDE-3.5-100	7314151846183	350	26	10	153	
813VDE-3-100	7314151846176	350	26	10	153	
813VDE-4-100	7314151846190	350	26	10	153	
813VDE-5.5-125	7314151846206	350	26	10	153	
813VDE-6.5-150	7314151846213	350	26	10	153	
813VDE-8-175	7314151846220	350	26	10	153	
814	7314150055845	340	10	1	420	
814-100	7314151846572	350	12	10	153	
8140	7314150050949	340	10	10	419	
8140 CO	7314150051533	340	10	10	419	
8141	7314150050987	340	10	10	419	
8141 CO	7314150051557	340	10	10	419	
8142	7314150051007	340	10	10	419	
8142 CO	7314150051564	340	10	10	419	

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8143	7314150051021	340	10	10	419	
8144	7314150051045	340	10	10	419	
8144 CO	7314150051601	340	10	10	419	
8145	7314150051052	340	10	10	419	
8146	7314150051076	340	10	10	420	
8147	7314150051083	340	10	10	420	
8148	7314150051090	340	10	10	420	
8148 CO	7314150051656	340	10	10	420	
8149	7314150051106	340	10	10	420	
815-0-200	7314150216512	350	12	10	152	
815-0-75	7314151845919	350	12	10	152	
815-1-100	7314151845926	350	12	10	152	
815-1-25	7311518013967	350	12	10	152	
815-1-250	7314150216529	350	12	10	152	
815-2-125	7314151845933	350	12	10	152	
815-2-25	7311518013974	350	12	10	152	
815-2-300	7314150216536	350	12	10	152	
815-3-150	7311518013943	350	12	10	152	
815-4-200	7314150216543	350	12	10	152	
8150	7314150051113	340	10	10	419	
8150 CO	7314150051670	340	10	10	419	
8150 J	7314150051137	340	10	10	419	
8150-1/2	7314151105006	354	20	1	86	
8150-1/2-SPARE	7314150187881	354	20	1	89	
8150-1/2V	7314150121601	354	40	1	318	
8150RN-1/2	7314151831202	354	20	1	87	
8150RN-1/2-SPARE	7314150209378	354	20	1	89	
8150SL	7314150197682	354	20	1	87	
8150SL-SPARE	7314150210275	354	20	1	90	
8151	7314150051199	340	10	10	419	
8151 CO	7314150051694	340	10	10	419	
8151-1/2	7314151105112	354	20	1	87	
8152	7314150052097	340	10	10	419	
8152-1/2	7314151105129	354	15	1	87	
8153	7314150051205	340	10	10	419	
8154	7314150052103	340	10	10	419	
8154 CO	7314150052233	340	10	10	419	
8154-1/2	7314151105143	354	15	1	88	
8154-1/2V	7314150121595	354	40	1	318	
8155	7314150052110	340	10	10	419	
8155-1/2	7314151827595	354	20	1	86	
8155-SO/1	7314153000811	354	20	1	89	
8156	7314150051212	340	10	10	420	
8157	7314150052127	340	10	10	420	
8158	7314150052134	340	10	10	420	
8158-1/2	7314151105167	354	15	1	87	
8158-SO/1	7314150111039	354	15	1	90	
8159-1/2	7314151105198	354	15	5	88	
8159-W	7314150107186	354	15	1	88	
815VDE-0-100	7314151846251	350	26	10	153	
815VDE-1-150	7314151846268	350	26	10	153	
815VDE-2-175	7314151846275	350	26	10	153	
815VDE-3-200	7314151846282	350	26	10	153	
815VDE-4-200	7314151846299	350	26	10	153	
816-0-75	7314151845940	350	12	10	152	
816-1-100	7314151845957	350	12	10	152	
816-1-25	7311518014032	350	12	10	152	
816-2-125	7314151845964	350	12	10	152	
816-2-25	7311518014049	350	12	10	152	
816-3-150	7311518014018	350	12	10	152	
8160	7314150051229	340	10	10	419	
8160 CO	7314150051724	340	10	10	419	
8160 J	7314150051250	340	10	10	419	
8160-1/2	7314151105204	354	15	5	88	
8160-1/2V	7314150121618	354	40	1	318	
8160-B	7314150182565	354	15	1	88	
8160-W	7314150107193	354	15	1	88	
8161	7314150051328	340	10	10	419	
8161 CO	7314150051748	340	10	10	419	
8162	7314150051335	340	10	10	419	
8162-1/2	7314151105211	354	15	5	88	
8162-1/2V	7314150121625	354	40	1	318	
8162-W	7314150107209	354	15	1	88	
8163	7314150051342	340	10	10	419	
8163 CO	7314150051762	340	10	10	419	
8164	7314150052141	340	10	10	419	
8164-1/2	7314151105266	354	15	1	79	
8165	7314150052158	340	10	10	419	
8165 CO	7314150052288	340	10	10	419	



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8165-1/2	7314151105273	354	15	5	89
8166-1/2	7314151105280	354	15	5	88
8167	7314153003584	354	15	1	79
8167-1/2	7314150181094	354	15	1	88
8168	7314150128440	354	15	1	88
816VDE-0-100	7314151846138	350	26	10	153
816VDE-1-150	7314151846145	350	26	10	153
816VDE-2-175	7314151846152	350	26	10	153
816VDE-3-200	7314151846169	350	26	10	153
817-10-125	7314150216680	350	12	5	152
817-100	7311518014254	350	12	10	153
817-11-125	7314150216697	350	12	5	152
817-12-125	7314150216703	350	12	5	152
817-13-125	7314150216710	350	12	5	152
817-5-125	7314150216628	350	12	5	152
817-5.5-125	7314150216635	350	12	5	152
817-6-125	7314150216642	350	12	5	152
817-7-125	7314150216659	350	12	5	152
817-8-125	7314150216666	350	12	5	152
817-9-125	7314150216673	350	12	5	152
817V-10	7314150129003	350	26	5	153
817V-13	7314150129010	350	26	5	153
817V-6	7314150128976	350	26	5	153
817V-7	7314150128983	350	26	5	153
817V-8	7314150128990	350	26	5	153
818-10-75	7314151846015	350	12	10	152
818-15-100	7314151846022	350	12	10	152
818-20-100	7314151846039	350	12	10	152
818-25-125	7314151846046	350	12	10	152
818-27-125	7314150216550	350	12	10	152
818-30-150	7314151846053	350	12	10	152
818-40-150	7314150216567	350	12	10	152
818-6-75	7314151846565	350	12	10	152
818-7-75	7314151845988	350	12	10	152
818-8-75	7314151845995	350	12	10	152
818-9-75	7314151846008	350	12	10	152
818-TR10-75	7314150216574	350	12	10	152
818-TR15-100	7314150216581	350	12	10	152
818-TR20-100	7314150216598	350	12	10	152
818-TR25-125	7314150216604	350	12	10	152
818-TR30-150	7314150216611	350	12	10	152
819-2.5-100	7314151846077	350	12	10	152
819-2-100	7314151846060	350	12	10	152
819-3-100	7314151846084	350	12	10	152
819-4-100	7314151846091	350	12	10	152
819-5-100	7314151846107	350	12	10	152
819-6-125	7314151846114	350	12	10	152
819-8-150	7314151846121	350	12	5	152
8193-1/2	7314151831219	354	20	1	87
8194-1/2	7314151831226	354	15	1	87
820-1/4-125	7314150216734	350	12	5	153
820-1/4-35	7314150216741	350	12	5	153
820VDE-5	7314153001146	350	26	1	156
8211	7314150101030	340	10	10	420
8220SL-2P	7314150243860	350	38	1	313
8223	7314150112685	340	75	5	198
8223 IP	7314150113149	340	75	5	198
8224	7314150000012	340	75	5	198
8224 IP	7314150101757	340	75	5	198
8224-9072/T6/E	7314150137268	356	25	1	288
8224-9072P/T6/2	7314150136841	356	25	1	288
8224C-9072C/T6/2	7314150136858	356	25	1	288
8224CIP	7314150103607	340	75	5	198
8225	7314150000029	340	75	5	198
8225 IP	7314150101764	340	75	5	198
8225CIP	7314150103614	340	75	5	198
8226	7314150115853	340	75	1	198
822VDE-5	7314153002365	350	26	1	156
8231	7311518266509	340	75	5	198
8231 IP	7311518270285	340	75	5	198
8242-2P	7314150243686	350	10	1	144
8242L-2P	7314150246687	350	10	1	145
8247	7314150051397	340	10	10	420
8247 CO	7314150051809	340	10	10	420
8248	7314150051427	340	10	10	420
8248 CO	7314150051823	340	10	10	420
824VDE-6	7314150216932	350	26	1	156
8252-2P	7314150243693	350	10	1	144
8252L-2P	7314150246694	350	10	1	145



ACCOUNT SUBGROUP



826VDE-6-BL	7314150216949	350	26	1	156
833AJ-4	7311518286927	318	15	1	382
833AJ-5	7311518286934	318	15	1	382
833AJ-6	7311518286941	318	15	1	382
833FJ-4	7311518286965	318	15	1	382
833FJ-5	7311518286972	318	15	1	382
833FJ-6	7311518286989	318	15	1	382
833PJ-4	7311518286897	318	15	1	382
833PJ-5	7311518286903	318	15	1	382
833PJ-67	7311518286910	318	15	1	382
833SB-4	7311518286859	318	15	1	382
833SB-5	7311518286866	318	15	1	382
833SB-6	7311518286873	318	15	1	382
833SB-7	7311518286880	318	15	1	382
834V-2	7314150124992	318	15	1	381
834V-4	7311518286811	318	15	1	381
834V-5	7311518286828	318	15	1	381
834V-6	7311518286835	318	15	1	381
834V-7	7311518286842	318	15	1	381
850-1	7311518292737	362	10	10	340
8501-10	7311518004828	346	10	1	21
8501-10F	7311518220945	346	10	1	21
8501-12	7311518004842	346	10	1	21
8501-12F	7311518220952	346	10	1	21
8501-13	7311518004859	346	10	1	21
8501-13F	7311518220969	346	10	1	21
8501-15	7311518004873	346	10	1	21
8501-15F	7311518220976	346	10	1	21
8501-16	7311518004880	346	10	1	21
8501-16F	7311518220983	346	10	1	21
8501-16SW	7314150258642	346	10	1	21
8501-17	7311518004897	346	10	1	21
8501-17F	7311518220990	346	10	1	21
8501-17S	7311518221027	346	10	1	21
8501-18S	7311518221034	346	10	1	21
8501-18SW	7311518221058	346	10	1	21
8501-2	7311518004743	346	10	1	21
8501-22	7311518178888	346	10	1	21
8501-22F	7311518221003	346	10	1	21
8501-23	7311518004958	346	10	1	21
8501-23F	7311518018887	346	10	1	21
8501-28	7311518018894	346	10	1	21
8501-28F	7311518221010	346	10	1	21
8501-28S	7311518221041	346	10	1	21
8501-28SW	7311518221065	346	10	1	21
8501-28XF	7311518281946	346	10	1	21
8501-3	7311518004750	346	10	1	21
8501-30	7311518237479	346	10	1	21
8501-30F	7311518237462	346	10	1	21
8501-30S	7311518282240	346	10	1	21
8501-30SW	7311518282196	346	10	1	21
8501-30XF	7311518281984	346	10	1	21
8501-31	7311518237455	346	10	1	21
8501-31F	7311518237448	346	10	1	21
8501-4	7311518008079	346	10	1	21
8501-40	7311518282042	346	10	1	21
8501-4F	7311518220914	346	10	1	21
8501-4XF	7311518281786	346	10	1	21
8501-5	7311518004774	346	10	1	21
8501-5F	7311518220921	346	10	1	21
8501-7	7311518004798	346	10	1	21
8501-7F	7311518220938	346	10	1	21
8510SL-2P	7314150245758	350	38	1	165
8520SL-2P	7314150245765	350	38	1	165
86	7314150005376	310	10	1	45
86-1	7314150254996	310	10	1	45
86-2	7314150255009	310	10	1	45
8600-2P	7314150246564	350	10	1	144
8610-2P	7314150243648	350	10	1	144
8610L-2P	7314150246700	350	10	1	145
8610SL-2P	7314150243891	350	38	1	165
8620-2P	7314150243662	350	10	1	144
8620L-2P	7314150246717	350	10	1	145
8620SL-2P	7314150243907	350	38	1	313
8630-2P	7314150246571	350	10	1	144
864002450	8413345129022	362	15	1	345
864102400	8413345129015	362	15	1	346
865-1	7311518292744	362	10	10	340
869102000	8413345083645	340	70	6	365



		ACCOUNT SUBGROUP			
869102500	8413345083669	340	70	6	365
869103000	8413345116640	340	70	6	365
869203000	8413345137508	340	70	6	365
8697M0260	8413345129763	340	70	1	364
8698M0250	8413345129787	340	70	1	364
87	7314150005406	310	10	1	45
87-1	7314150255016	310	10	1	45
87-2	7314150255023	310	10	1	45
8703-2P	7314150246632	350	10	10	145
8704-2P	7314150246649	350	10	1	145
8705-2P	7314150246656	350	10	1	145
8706-2P	7314150246663	350	10	1	145
8710SL-2P	7314150245772	350	38	1	165
8720SL-2P	7314150245789	350	38	1	165
874002000	8413345024938	358	15	5	390
874002500	8413345024945	358	15	5	390
874003000	8413345024952	358	15	5	390
874003500	8413345024969	358	15	5	390
874004000	8413345024976	358	15	5	390
874005000	8413345024983	358	15	5	390
874102000	8413345080989	358	15	6	390
874102500	8413345081009	358	15	5	390
874103000	8413345081023	358	15	5	390
874103500	8413345081047	358	15	4	390
874104000	8413345081061	358	15	5	390
874602000	8413345024990	358	15	5	391
874602500	8413345025003	358	15	5	391
874603000	8413345025065	358	15	5	391
874603500	8413345025072	358	15	5	391
874604000	8413345025089	358	15	5	391
874900010	8413345025102	358	25	1	391
876002000	8413345025119	358	15	10	391
876002500	8413345025126	358	15	5	391
877002400	8413345025140	358	15	8	391
8800-2P	7314150246588	350	10	1	145
8810-2P	7314150243655	350	10	1	145
8810L-2P	7314150246724	350	10	1	145
8810SL-2P	7314150243914	350	38	1	165
8820-2P	7314150243679	350	10	1	145
8820L-2P	7314150246731	350	10	1	145
8820SL-2P	7314150243921	350	38	1	165
8821MB	7314150220571	354	25	1	97
8830-2P	7314150246595	350	10	1	145
8840M	7314151105495	354	25	1	97
8845DM	7314151105525	354	25	1	97
8845NM	7314151810955	354	25	1	96
8900DM-19	7314151105730	354	10	1	94
8900DM-22	7314151105754	354	10	1	94
8900DM-23	7314150166374	354	10	1	94
8900DM-24	7314151105778	354	10	1	94
8900DM-25	7314151105785	354	10	1	94
8900DM-26	7314150219797	354	10	1	94
8900DM-27	7314151105822	354	10	1	94
8900DM-28	7314151105846	354	10	1	94
8900DM-29	7314150219803	354	10	1	94
8900DM-30	7314151105884	354	10	1	94
8900DM-32	7314151105891	354	10	1	94
8900DM-33	7314150166398	354	10	1	94
8900DM-34	7314151838478	354	10	1	94
8900DM-35	7314150219810	354	10	1	94
8900DM-36	7314151105914	354	10	1	95
8900DM-38	7314150219827	354	10	1	95
8900DM-40	7314150166411	354	10	1	95
8900DM-41	7314151105938	354	10	1	95
8900DM-42	7314150166428	354	10	5	95
8900DM-46	7314151105952	354	10	1	95
8900DM-50	7314151105969	354	10	1	95
8900DM-55	7314151105983	354	10	1	95
8900DM-60	7314151106003	354	10	1	95
8900DZ-1	7314151106058	354	10	1	95
8900DZ-1.1/16	7314151106065	354	10	1	95
8900DZ-1.1/2	7314151106133	354	10	1	95
8900DZ-1.1/4	7314151106096	354	10	1	95
8900DZ-1.1/8	7314151106072	354	10	1	95
8900DZ-1.11/16	7314150166282	354	10	1	95
8900DZ-1.13/16	7314151106188	354	10	1	95
8900DZ-1.3/16	7314151106089	354	10	1	95
8900DZ-1.3/4	7314151106171	354	10	1	95
8900DZ-1.3/8	7314151106119	354	10	1	95

		ACCOUNT SUBGROUP			
8900DZ-1.5/16	7314151106102	354	10	1	95
8900DZ-1.5/8	7314151106157	354	10	1	95
8900DZ-1.7/16	7314151106126	354	10	1	95
8900DZ-1.7/8	7314151106195	354	10	1	95
8900DZ-15/16	7314151106034	354	10	1	95
8900DZ-2	7314151106201	354	10	1	95
8900DZ-2.1/16	7314150166312	354	10	1	95
8900DZ-2.1/4	7314150166329	354	10	1	95
8900DZ-2.1/8	7314150166336	354	10	1	95
8900DZ-7/8	7314150166473	354	10	1	95
8900SM-19	7314150166633	354	10	1	94
8900SM-22	7314151810795	354	10	1	94
8900SM-23	7314150219834	354	10	1	94
8900SM-24	7314151810801	354	10	1	94
8900SM-26	7314150219841	354	10	1	94
8900SM-27	7314151810818	354	10	1	94
8900SM-28	7314150166657	354	10	1	94
8900SM-29	7314150219858	354	10	1	94
8900SM-30	7314151810825	354	10	1	94
8900SM-32	7314151810832	354	10	1	94
8900SM-33	7314150166671	354	10	1	94
8900SM-34	7314151838461	354	10	1	94
8900SM-35	7314150166688	354	10	1	94
8900SM-36	7314151810849	354	10	1	94
8900SM-38	7314151810856	354	10	1	94
8900SM-41	7314151810863	354	10	1	94
8900SM-42	7314150219865	354	10	1	94
8900SM-46	7314151810870	354	10	1	94
8900SM-50	7314151810887	354	10	1	94
8900SM-55	7314151810894	354	10	1	94
8900SM-60	7314151810900	354	10	1	94
8905-TM	7314150125470	360	30	1	109
8905S-1000	7314150125579	360	30	1	109
8910-2P	7314150243709	350	10	1	145
8910SL-2P	7314150243938	350	38	1	165
8915-2P	7314150243716	350	10	1	145
8915SL-2P	7314150243945	350	38	1	165
8920-2P	7314150243723	350	10	1	145
8920SL-2P	7314150243952	350	38	1	165
8925-2P	7314150243730	350	10	1	145
8925SL-2P	7314150243969	350	38	1	165
8927-2P	7314150243747	350	10	1	145
8930-2P	7314150243754	350	10	1	145
8930SL-2P	7314150243976	350	38	1	165
8940-2P	7314150243761	350	10	1	145
894M-10	7314151833039	366	10	10	54
894M-100	7314151833305	366	10	1	54
894M-105	7314151833312	366	10	1	54
894M-11	7314151833046	366	10	10	54
894M-110	7314151833329	366	10	1	54
894M-115	7314151833336	366	10	1	54
894M-12	7314151833053	366	10	10	54
894M-120	7314151833343	366	10	1	54
894M-125	7314150132478	366	10	1	54
894M-13	7314151833060	366	10	10	54
894M-130	7314150132485	366	10	1	54
894M-135	7314150132492	366	10	1	54
894M-14	7314151833077	366	10	10	54
894M-15	7314151833084	366	10	10	54
894M-16	7314150139569	366	10	10	54
894M-17	7314151833091	366	10	10	54
894M-19	7314151833107	366	10	10	54
894M-21	7314150223220	366	10	5	54
894M-22	7314151833114	366	10	5	54
894M-24	7314151833121	366	10	5	54
894M-27	7314151833138	366	10	5	54
894M-30	7314151833145	366	10	5	54
894M-32	7314151833152	366	10	5	54
894M-34	7314150139583	366	10	1	54
894M-36	7314151833169	366	10	5	54
894M-38	7314151833176	366	10	1	54
894M-41	7314151833183	366	10	1	54
894M-46	7314151833190	366	10	1	54
894M-50	7314151833206	366	10	1	54
894M-55	7314151833213	366	10	1	54
894M-60	7314151833220	366	10	1	54
894M-65	7314151833237	366	10	1	54
894M-7	7314151833008	366	10	10	54
894M-70	7314151833244	366	10	1	54



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894M-75	7314151833251	366	10	1	54
894M-8	7314151833015	366	10	10	54
894M-80	7314151833268	366	10	1	54
894M-85	7314151833275	366	10	1	54
894M-9	7314151833022	366	10	10	54
894M-90	7314151833282	366	10	1	54
894M-95	7314151833299	366	10	1	54
8950N	7314151810931	354	20	1	95
8950N/A	7314151810948	354	20	1	95
8950NA-SO/2	7314151816605	354	20	1	96
8951	7314151106782	354	20	1	95
8951-F-800	7314150125456	360	10	1	104
8951-M	7314150124916	360	10	1	108
8952-1	7314151815493	360	15	1	104
8952-3	7314151848644	360	15	1	105
8952F	7314151808433	360	10	1	104
8952N	7314150180196	354	20	1	95
8952N/A	7314150180202	354	20	1	95
8952N/B	7314150180219	354	15	1	95
8953	7314151106799	354	15	1	95
8954	7314151106805	354	15	1	95
8954A	7314151106812	354	15	1	95
8958	7314151106829	354	15	1	96
8958A	7314151106836	354	15	1	96
895M-10-11	7314151832742	366	10	10	55
895M-10-13	7314151832759	366	10	10	55
895M-13-17	7314151832803	366	10	5	55
895M-17-19	7314151832827	366	10	5	55
895M-19-22	7314151832834	366	10	5	55
895M-19-24	7314151832841	366	10	5	55
895M-22-24	7314151832858	366	10	5	55
895M-24-27	7314151832865	366	10	5	55
895M-24-30	7314151832872	366	10	5	55
895M-27-32	7314151832889	366	10	5	55
895M-30-32	7314151832896	366	10	5	55
895M-30-36	7314151832902	366	10	1	55
895M-32-36	7314151832919	366	10	1	55
895M-36-41	7314151832926	366	10	1	55
895M-41-46	7314151832933	366	10	1	55
895M-46-50	7314151832940	366	10	1	55
895M-50-55	7314151832957	366	10	1	55
895M-55-60	7314151832964	366	10	1	55
895M-6-7	7314151832711	366	10	10	55
895M-65-70	7314151832971	366	10	1	55
895M-8-10	7314151832735	366	10	10	55
895M-8-9	7314151832728	366	10	10	55
8961	7314151106850	354	15	1	96
8962	7314151106867	354	15	1	96
8963	7314150181087	354	15	1	96
8964	7314151106874	354	15	1	89
8965	7314151106881	354	15	1	96
8966	7314151106898	354	15	1	96
8967	7314153003591	354	15	1	89
8967/S3	7314153003607	354	25	1	69
89DTT-800	7314150184156	360	35	1	109
9-12-51/3806-KP	7311518044558	316	10	5	357
9-462-14-0-0	7311518020873	324	20	5	35
9-463-14-0-0	7311518327750	324	55	1	35
9-467-00-0-0	7311518020897	324	55	1	35
9-469-00-0-0	7311518020903	324	55	1	35
9-484-3.2-10	7311518193348	324	50	10	35
9-484-3.2-1P	7311518193522	324	50	10	35
9-484-5.2-10	7311518193355	324	50	10	35
9-484-5.2-1P	7311518193331	324	50	10	35
9-485-06-10	7311518193508	324	50	10	35
9-485-06-1P	7311518193492	324	50	10	35
9-485-09-10	7311518193386	324	50	10	35
9-485-09-1P	7311518193362	324	50	20	35
9-485-13-10	7311518193393	324	50	10	35
9-485-13-1P	7311518193379	324	50	10	35
9-486-04-10	7311518193430	324	50	10	36
9-486-04-1P	7311518193409	324	50	10	36
9-486-05-10	7311518193461	324	50	10	36
9-486-05-1P	7311518193447	324	50	10	36
9-486-07-10	7311518249373	324	50	10	36
9-486-07-1P	7311518249359	324	50	10	36
9-486-08-10	7311518270933	324	50	10	36
9-486-C-10	7311518209599	324	50	10	36
9-486-C-1P	7311518209605	324	50	10	36



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9-488-02-10	7311518194772	324	50	10	29
900T-020-100	7314153018106	350	42	5	167
900T-025-100	7314153018113	350	42	5	167
900T-030-100	7314153018120	350	42	5	167
900T-040-150	7314153018137	350	42	5	167
900T-050-150	7314153018144	350	42	5	167
900T-060-200	7314153018151	350	42	5	167
900T-080-200	7314153018168	350	42	5	167
900T-100-200	7314153018175	350	42	5	167
900T/T18/8	7314150136735	356	25	1	286
900T/T18/E	7314150137176	356	25	1	286
901T-006-100	7314153018182	350	42	5	167
901T-007-100	7314153018199	350	42	5	167
901T-008-100	7314153018205	350	42	5	167
901T-009-100	7314153018212	350	42	5	167
901T-010-100	7314153018229	350	42	5	167
901T-015-150	7314153018236	350	42	5	167
901T-020-150	7314153018243	350	42	5	167
901T-025-150	7314153018250	350	42	5	167
901T-027-150	7314153018267	350	42	5	167
901T-030-200	7314153018274	350	42	5	167
901T-040-200	7314153018281	350	42	5	167
901T-045-200	7314153018298	350	42	5	167
901T-050-200	7314153018304	350	42	5	167
901T/T18/7	7314150136742	356	25	1	287
901T/T18/E	7314150137183	356	25	1	287
9029	7314153010612	310	10	5	44
9029 C	7314153010629	310	10	5	44
9029-1	7314150239580	310	10	1	45
9029-2	7314150238668	310	10	1	45
9029-T	7314150189076	310	10	5	44
902T-050-150	7314153018311	350	42	5	167
902T-055-150	7314153018328	350	42	5	167
902T-060-150	7314153018335	350	42	5	167
902T-070-175	7314153018342	350	42	5	167
902T-080-175	7314153018359	350	42	5	167
902T-090-175	7314153018366	350	42	5	167
902T-100-175	7314153018373	350	42	5	167
902T-110-175	7314153018380	350	42	5	167
902T-120-175	7314153018397	350	42	5	167
902T-130-175	7314153018403	350	42	5	167
9031	7314150110988	310	10	5	44
9031 C	7314150113507	310	10	5	44
9031 P-1	7314150266302	310	10	1	45
9031-1	7314150239597	310	10	1	45
9031-T	7314150131648	310	10	5	44
9031P	7314150187539	310	10	5	44
9033	7314150181414	310	10	5	44
9035	7314150181421	310	10	5	44
903T-1	7314153018410	350	42	1	168
903T-2	7314153018427	350	42	1	168
903T-3	7314153018434	350	42	1	168
9045-B-200	7311518012175	336	10	6	337
9045-B-250	7311518012182	336	10	6	337
9045-B-300	7311518012199	336	10	6	337
9045-B-400	7311518178123	336	10	1	337
9048-200	7314150138159	336	10	10	337
9048-250	7314150138166	336	10	10	337
9048-300	7314150138173	336	10	10	337
9048-350	7314150180349	336	10	10	337
9048-400	7314150138180	336	10	10	337
904T-060-150	7314153019837	350	42	5	167
905T-060-100	7314153019844	350	42	5	168
9070	7314150100170	310	10	5	44
9070 P	7314150103416	310	10	5	44
9070 P-1	7314150239610	310	10	1	45
9070 PC	7314150103423	310	10	5	44
9070C	7314150100187	310	10	5	44
9071	7314150100194	310	10	5	44
9071 P	7314150103430	310	10	5	44
9071 P-1	7314150239627	310	10	1	45
9071 PC	7314150103447	310	10	5	44
9071C	7314150100200	310	10	5	44
9072	7314150055609	310	10	5	44
9072 C	7314150055616	310	10	5	44
9072 P	7314150056354	310	10	5	44
9072 P-1	7314150239634	310	10	1	45
9072 PC	7314150056361	310	10	5	44
9073	7314150101702	310	10	5	44

		ACCOUNT	SUBGROUP		
9073 C	7314150101719	310	10	3	44
9073 P	7314150101726	310	10	5	44
9073 P-1	7314150239641	310	10	1	45
9073 PC	7314150101733	310	10	3	44
91-023-5P	7311518032593	346	40	1	20
91-027-5P	7311518032616	346	40	1	20
91-143-5P	7311518032630	346	40	1	20
91-148-5P	7311518032654	346	40	1	20
91-223-5P	7311518032661	346	40	1	20
91-226-5P	7311518032685	346	40	1	20
91-233-5P	7311518260057	346	40	1	20
91-243-5P	7311518032692	346	40	1	20
91-2PW-5P	7311518260163	346	40	1	20
91-3PM-5P	7311518260156	346	40	1	20
91-412-5P	7311518260040	346	40	1	20
91-433-5P	7311518260101	346	40	1	20
91-434-5P	7311518260026	346	40	1	20
91-443-5P	7311518032722	346	40	1	20
91-444-5P	7311518260033	346	40	1	20
91-4PWM-5P	7311518260170	346	40	1	20
91-502-5P	7311518032746	346	40	1	20
91-512-5P	7311518032753	346	40	1	20
91-517-5P	7311518032777	346	40	1	20
91-522-5P	7311518032784	346	40	1	20
91-611-5P	7311518260071	346	40	1	20
91-612-5P	7311518032814	346	40	1	20
91-622-5P	7311518260088	346	40	1	20
91-623-5P	7311518260064	346	40	1	20
91-7V1-5P	7311518260118	346	40	1	20
91C	7314150182381	310	15	5	46
9210	7311518278182	344	15	1	404
9210-1	7311518278212	344	15	1	404
9210-10	7311518278229	344	15	1	405
9210-1060177	7311518295424	344	15	1	406
9210-1060238	7311518295394	344	15	20	406
9210-1230219	7311518295387	344	15	20	406
9210-1230235	7311518295325	344	15	1	405
9210-1320281	7311518295431	344	15	10	406
9210-1640142	7311518295356	344	15	1	405
9210-1690148	7311518295332	344	15	1	405
9210-1700118	7311518295363	344	15	1	405
9210-1710266	7311518295417	344	15	1	406
9210-1720100	7311518295295	344	15	1	405
9210-1730107	7311518295349	344	15	10	405
9210-1770106	7311518295370	344	15	10	405
9210-1830137	7311518295400	344	15	1	406
9210-20	7311518278236	344	15	1	405
92C	7314150182398	310	15	5	46
9320	7311518292126	344	25	1	404
93C	7314150182404	310	15	5	46
94C	7314150182411	310	15	3	46
9500SM-41	7314153013699	354	10	1	97
9500SM-46	7314153013705	354	10	1	97
9500SM-50	7314153013712	354	10	1	97
9500SM-54	7314153013729	354	10	1	97
9500SM-55	7314153013736	354	10	1	97
9500SM-58	7314153013743	354	10	1	97
9500SM-60	7314153013750	354	10	1	97
9500SM-63	7314153013767	354	10	1	97
9500SM-65	7314153013774	354	10	1	97
9500SM-67	7314153013781	354	10	1	97
9500SM-70	7314153013798	354	10	1	97
9500SM-71	7314153013804	354	10	1	97
9500SM-75	7314153013811	354	10	1	97
9500SM-77	7314153013828	354	10	1	97
9500SM-80	7314153013835	354	10	1	97
9500SM-82	7314153013842	354	10	1	97
9505-1700	7314150125494	360	30	1	109
9505-3400	7314150125517	360	30	1	109
9505-TM	7314150125487	360	30	1	109
9505S-3000	7314150125609	360	30	1	109
950800000	8413345107129	356	30	1	297
9515S-3000	7314150125616	360	30	1	109
9525-10	7311518031817	346	30	1	374
9525-1700	7314150125500	360	30	1	109
9525-3400	7314150125524	360	30	1	109
9525-7	7311518031800	346	30	1	374
9525S-1500	7314150125586	360	30	1	109
9526-10	7311518011086	346	30	25	374

		ACCOUNT	SUBGROUP		
9526-11	7311518011093	346	30	16	374
9526-12	7311518012588	346	30	16	374
9526-13	7311518011031	346	30	16	374
9526-14	7311518012595	346	30	16	374
9526-15	7311518012601	346	30	16	374
9526-16	7311518011109	346	30	16	374
9526-17	7311518012618	346	30	18	374
9526-18	7311518012625	346	30	18	374
9526-19	7311518011048	346	30	18	374
9526-20	7311518012632	346	30	18	374
9526-22	7311518011116	346	30	18	374
9526-24	7311518012649	346	30	14	374
9526-25	7311518011055	346	30	14	374
9526-26	7311518012656	346	30	14	374
9526-28	7311518101206	346	30	14	374
9526-30	7311518012670	346	30	14	374
9526-32	7311518011123	346	30	14	374
9526-35	7311518276409	346	30	14	374
9526-38	7311518276416	346	30	1	374
9526-6	7311518011062	346	30	25	374
9526-7	7311518013271	346	30	25	374
9526-8	7311518011079	346	30	25	374
9527-10-CA	7311518045555	346	30	18	374
9527-12-CA	7311518045562	346	30	18	374
9527-13-CA	7311518045579	346	30	18	374
9527-14-CA	7311518045586	346	30	18	374
9527-16-CA	7311518045593	346	30	18	374
9527-18-CA	7311518045609	346	30	20	374
9527-19-CA	7311518045616	346	30	20	374
9527-20-CA	7311518045623	346	30	20	374
9527-22-CA	7311518045630	346	30	20	374
9527-24-CA	7311518045647	346	30	1	374
9527-25-CA	7311518045654	346	30	1	374
9527-26-CA	7311518045661	346	30	1	374
9527-28-CA	7311518045678	346	30	1	374
9527-32-CA	7311518045692	346	30	1	374
9527-6-CA	7311518045531	346	30	18	374
9527-8-CA	7311518045548	346	30	18	374
9528-MD-15-45	7311518007447	346	30	10	375
9528-MD-22-76	7311518041441	346	30	10	375
9529-10	7311518045753	346	30	10	374
9529-12	7311518045760	346	30	10	374
9529-13	7311518045777	346	30	10	374
9529-14	7311518045784	346	30	10	374
9529-16	7311518045791	346	30	10	374
9529-17	7311518045807	346	30	10	374
9529-18	7311518045814	346	30	10	374
9529-19	7311518045821	346	30	10	374
9529-20	7311518045838	346	30	10	374
9529-22	7311518046590	346	30	10	374
9529-24	7311518046606	346	30	10	374
9529-25	7311518046613	346	30	10	374
9529-26	7311518046620	346	30	10	374
9529-28	7311518046637	346	30	10	374
9529-30	7311518046644	346	30	10	374
9529-32	7311518046651	346	30	10	374
9529-35	7311518046668	346	30	10	374
9529-38	7311518046675	346	30	10	374
9529-40	7311518046682	346	30	10	374
9529-6	7311518043308	346	30	10	374
9529-8	7311518045746	346	30	10	374
9531-10-CA	7311518045395	346	30	10	374
9531-12-CA	7311518045401	346	30	10	374
9531-13-CA	7311518045418	346	30	10	374
9531-14-CA	7311518045425	346	30	10	374
9531-16-CA	7311518045432	346	30	10	374
9531-18-CA	7311518045449	346	30	10	374
9531-19-CA	7311518045456	346	30	10	374
9531-20-CA	7311518045463	346	30	10	374
9531-22-CA	7311518045470	346	30	10	374
9531-24-CA	7311518045487	346	30	10	374
9531-25-CA	7311518045494	346	30	10	374
9531-28-CA	7311518045500	346	30	10	374
9531-30-CA	7311518045517	346	30	10	374
9531-32-CA	7311518045524	346	30	10	374
9531-35-CA	7311518013035	346	30	10	374
9531-38-CA	7311518013042	346	30	10	374
9531-6-CA	7311518045371	346	30	10	374
9531-8-CA	7311518045388	346	30	10	374



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9540MB	7314153014108	354	25	1	98
9540MBL	7314153014115	354	25	1	98
9550AB	7314153014009	354	20	1	97
9550AB-SO/1	7314153014016	354	20	1	98
9551	7314153014030	354	20	1	97
9552AB	7314153014023	354	15	1	97
9555	7314153014047	354	15	1	98
9555AB	7314153014061	354	15	1	98
956	7314150025190	364	30	1	362
9560AB	7314153014078	354	15	1	98
9563AB	7314153014085	354	15	1	98
9564	7314151107543	354	15	1	96
9565AB	7314153014092	354	15	1	98
9566A	7314150220618	354	25	1	98
9570	7314150178575	310	15	5	46
9570C	7314150191215	310	15	5	46
9571	7314150178582	310	15	5	46
9571C	7314150191222	310	15	5	46
9572	7314150178599	310	15	5	46
9572-200	7311518004231	336	10	6	336
9572-250	7311518004248	336	10	6	336
9572C	7314150191239	310	15	5	46
9573	7314150178605	310	15	3	46
9573C	7314150191246	310	15	3	46
9574-200	7314150138197	336	10	10	337
9574-250	7314150138203	336	10	10	337
9574-300	7314150180356	336	10	10	337
9575-250	7314150185894	336	15	6	337
95C	7314150182428	310	15	1	46
960000010	8413345005968	356	15	1	293
960000030	8413345005982	356	15	1	293
960000040	8413345005999	356	15	1	293
960000050	8413345028738	356	15	1	293
960100010	8413345031073	356	15	1	293
960100020	8413345031080	356	15	1	293
960100030	8413345031097	356	15	1	293
960100050	8413345031103	356	15	1	293
960100060	8413345031110	356	15	1	293
9605-6000	7314150125531	360	30	1	109
9625-6000	7314150125548	360	30	1	109
9625-9500	7314150125555	360	30	1	109
9625S-6000	7314150125647	360	30	1	109
9675S-6000	7314150125630	360	30	1	109
96C	7314150134120	310	15	1	46
9710-10-175	7314151785789	350	44	5	163
9710-3.5-75	7314151785192	350	44	10	163
9710-5.5-100	7314151785352	350	44	10	163
9710-6.5-125	7314151785437	350	44	10	163
9710-8-150	7314151785512	350	44	5	163
9710/S6	7314151802301	350	44	1	163
9715-14-250	7314153010148	350	18	5	163
9733	7314150103256	340	10	1	188
9778-1	7314151793524	350	44	5	163
9778-2	7314151793531	350	44	10	163
9778-3	7314151793548	350	44	5	163
9778PZD-1	7314151823535	350	44	10	163
9778PZD-2	7314151823542	350	44	10	163
97C	7314150128211	310	15	1	46
9801-BL	7314150217335	340	96	1	200
9802-BL	7314150217342	340	96	1	200
981001100	7314150219902	356	20	1	299
982000170	7314150219926	356	30	1	303
982000320	7314150219919	356	30	1	301
982000350	7314150219933	356	30	1	302
983000320	7314150219940	356	15	1	302
983100320	7314150219964	356	15	1	302
984010320	7314150219971	356	15	1	302
9841	7314150107445	356	30	1	302
9845	7314150107476	356	30	1	302
9848	7314150111015	356	30	1	303
9850	7314150111343	356	15	1	303
985001100	7314150219988	356	20	1	301
985011100	7314150219995	356	20	1	301
98505	7314150216321	350	40	5	167
985101100	7314150220007	356	20	1	301
9852	7314150114092	356	30	1	302
985200000	8413345006071	356	20	1	292
9853	7314150103287	340	30	1	199
985315000	8413345023412	356	20	1	292



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985318500	8413345023429	356	20	1	292
9854	7314150111831	340	80	1	428
985415000	8413345023436	356	20	1	292
985418500	8413345023443	356	20	1	292
9854W	7314150112760	340	80	1	428
9855	7314150111848	340	80	1	428
985515000	7314150220847	356	20	1	292
985518500	7314150220021	356	20	1	292
9855W	7314150112777	340	80	1	428
9856	7314150111855	340	80	1	428
9857	7314150114283	340	80	1	429
9858	7314150111862	340	80	1	429
9858W	7314150112784	340	80	1	429
9859	7314150113057	340	80	1	429
9860S	7314150140732	340	96	1	199
9873	7314150058082	310	10	1	199
9883	7314150043293	364	30	1	361
9897	7314150058068	340	96	1	199
9938	7314150056491	340	30	1	192
9938/T8/6	7314150167296	356	25	1	287
9938/T8/E	7314150167302	356	25	1	287
A0313C03	7311518023713	346	15	1	36
A0313F03	7311518023690	346	15	1	36
A0313F03E	7311518212780	346	15	1	36
A0313M03	7311518023706	346	15	1	36
A0313M03E	7311518192150	346	15	1	36
A0313M03X	7311518182038	346	15	1	36
A0313M03XE	7311518181475	346	15	1	36
A0313M03XE-60	7311518184513	346	15	1	36
A0313M03XE-80	7311518201357	346	15	1	36
A0320M03X	7311518197773	346	15	1	40
A0408F03D	7311518197926	346	15	1	39
A0610F06D	7311518197933	346	15	1	39
A0613M03X	7311518197872	346	15	1	36
A0616AL06E	7311518181802	346	15	1	39
A0616C06	7311518023782	346	15	1	36
A0616F06	7311518023720	346	15	1	36
A0616M06	7311518023737	346	15	1	36
A0616M06DE	7311518212629	346	15	1	36
A0616M06E	7311518023751	346	15	1	36
A0616M06X	7311518023768	346	15	1	36
A0616M06XE	7311518181468	346	15	1	36
A0625M06X	7311518197780	346	15	1	40
A0810F06D	7311518197957	346	15	1	39
A0820C06	7311518023850	346	15	1	36
A0820F06	7311518023799	346	15	1	36
A0820F06E	7311518212803	346	15	1	36
A0820M06	7311518023805	346	15	1	36
A0820M06E	7311518023829	346	15	1	36
A0820M06X	7311518023836	346	15	1	36
A0820M06XE	7311518181994	346	15	1	36
A1020C06	7311518023928	346	15	1	36
A1020F06	7311518023867	346	15	1	36
A1020M06	7311518023874	346	15	1	36
A1020M06E	7311518023898	346	15	1	36
A1020M06X	7311518023904	346	15	1	36
A1020M06XE	7311518182007	346	15	1	36
A1040M06X	7311518233129	346	15	1	36
A1050M06X	7311518233136	346	15	1	36
A1225AL06E	7311518187620	346	15	1	39
A1225AL08E	7311518181819	346	15	1	39
A1225C06	7311518023997	346	15	1	36
A1225C08	7311518100544	346	15	1	36
A1225F06	7311518023935	346	15	1	36
A1225F06E	7311518212810	346	15	1	36
A1225F08	7311518024000	346	15	1	36
A1225M06	7311518023942	346	15	1	36
A1225M06DE	7311518212636	346	15	1	36
A1225M06E	7311518023966	346	15	1	36
A1225M06X	7311518023973	346	15	1	36
A1225M06XE	7311518182014	346	15	1	36
A1225M08	7311518100506	346	15	1	36
A1225M08E	7311518100520	346	15	1	36
A1225M08X	7311518187989	346	15	1	36
A1225M08XE	7311518192174	346	15	1	36
A1625C06	7311518192204	346	15	1	36
A1625C08	7311518100612	346	15	1	36
A1625F06	7311518192198	346	15	1	36
A1625F08	7311518100551	346	15	1	36





A1625M06	7311518192181	346	15	1	36
A1625M06X	7311518187361	346	15	1	36
A1625M06XE	7311518187354	346	15	1	36
A1625M08	7311518100568	346	15	1	36
A1625M08E	7311518100582	346	15	1	36
A1625M08X	7311518100599	346	15	1	36
A1625M08XE	7311518182021	346	15	1	36
A6700DM-10	7314151821722	354	10	5	64
A6700DM-11	7314151821739	354	10	5	64
A6700DM-12	7314151821746	354	10	5	64
A6700DM-13	7314151821753	354	10	5	64
A6700DM-14	7314151821760	354	10	5	64
A6700DM-5	7314150220632	354	10	5	64
A6700DM-5.5	7314151821678	354	10	5	64
A6700DM-6	7314151821685	354	10	5	64
A6700DM-7	7314151821692	354	10	5	64
A6700DM-8	7314151821708	354	10	5	64
A6700DM-9	7314151821715	354	10	5	64
A6700DZ-1/2	7314151751883	354	10	5	65
A6700DZ-1/4	7314151751371	354	10	5	65
A6700DZ-11/32	7314151819842	354	10	5	65
A6700DZ-3/16	7314151751029	354	10	5	65
A6700DZ-3/8	7314151751616	354	10	5	65
A6700DZ-5/16	7314151751531	354	10	5	65
A6700DZ-7/16	7314151819859	354	10	5	65
A6700DZ-7/32	7314151751296	354	10	5	65
A6700DZ-9/16	7314151751968	354	10	5	65
A6700DZ-9/32	7314151751456	354	10	5	65
A6709M-2.5	7314151753740	354	10	1	67
A6709M-3	7314151753825	354	10	1	67
A6709M-4	7314151754129	354	10	1	67
A6709M-5	7314151754471	354	10	1	67
A6709M-6	7314151754556	354	10	1	67
A6709Z-1/8	7314151755447	354	10	1	67
A6709Z-3/16	7314151755874	354	10	1	67
A6709Z-5/32	7314151755799	354	10	1	67
A6709Z-9/64	7314151755522	354	10	1	67
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A6710DM-14	7314151757144	354	10	1	65
A6710DM-5.5	7314151756178	354	10	1	65
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A6710DM-8	7314151756413	354	10	1	65
A6710DM-9	7314151756680	354	10	1	65
A6710DZ-1/2	7314151820466	354	10	1	65
A6710DZ-1/4	7314151757229	354	10	1	65
A6710DZ-11/32	7314151757571	354	10	1	65
A6710DZ-3/16	7314151820435	354	10	1	65
A6710DZ-3/8	7314151757656	354	10	1	65
A6710DZ-5/16	7314151757496	354	10	1	65
A6710DZ-7/16	7314151757731	354	10	1	65
A6710DZ-7/32	7314151820442	354	10	1	65
A6710DZ-9/16	7314151820473	354	10	1	65
A6710DZ-9/32	7314151820459	354	10	1	65
A6716DM	7314151820824	354	25	1	70
A6716DZ	7314151820831	354	25	1	73
A6800DM-10	7314151821845	354	10	1	64
A6800DM-11	7314151821852	354	10	1	64
A6800DM-12	7314151821869	354	10	1	64
A6800DM-13	7314151821876	354	10	1	64
A6800DM-14	7314151821883	354	10	1	64
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A6800DM-5.5	7314151821791	354	10	1	64
A6800DM-6	7314151821807	354	10	1	64
A6800DM-7	7314151821814	354	10	1	64
A6800DM-8	7314151821821	354	10	1	64
A6800DM-9	7314151821838	354	10	1	64
A6800DZ-1/2	7314151758899	354	10	1	65
A6800DZ-1/4	7314151758387	354	10	1	65
A6800DZ-11/32	7314151803872	354	10	1	65
A6800DZ-3/16	7314151758035	354	10	1	65
A6800DZ-3/8	7314151758622	354	10	1	65
A6800DZ-5/16	7314151758547	354	10	1	65
A6800DZ-7/16	7314151803889	354	10	1	65
A6800DZ-7/32	7314151758110	354	10	1	65



A6800DZ-9/16	7314151758974	354	10	1	65
A6800DZ-9/32	7314151758462	354	10	1	65
A7400DM-10	7314151819972	354	10	5	74
A7400DM-11	7314151819989	354	10	5	74
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A7400DM-16	7314151820039	354	10	5	75
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A7400DM-19	7314151820060	354	10	5	75
A7400DM-20	7314151820077	354	10	5	75
A7400DM-21	7314151820084	354	10	5	75
A7400DM-22	7314151820091	354	10	5	75
A7400DM-6	7314150118212	354	10	5	74
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A7400DM-8	7314150118236	354	10	5	74
A7400DM-9	7314151819965	354	10	5	74
A7400DZ-1/2	7314151759780	354	10	5	75
A7400DZ-1/4	7314151759193	354	10	5	75
A7400DZ-11/16	7314151819897	354	10	5	75
A7400DZ-13/16	7314151819910	354	10	5	75
A7400DZ-17/32	7314151819866	354	10	5	75
A7400DZ-19/32	7314151819873	354	10	5	75
A7400DZ-3/4	7314151819903	354	10	5	75
A7400DZ-3/8	7314151759438	354	10	5	75
A7400DZ-5/16	7314151759278	354	10	5	75
A7400DZ-5/8	7314151819880	354	10	5	75
A7400DZ-7/16	7314151759513	354	10	5	75
A7400DZ-7/8	7314151819927	354	10	5	75
A7400DZ-9/16	7314151759865	354	10	5	75
A7402DM-10	7314151820138	354	10	1	75
A7402DM-11	7314151820145	354	10	1	75
A7402DM-12	7314151820152	354	10	1	75
A7402DM-13	7314151820169	354	10	1	75
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A7402DM-19	7314151820220	354	10	1	75
A7402DM-7	7314150220243	354	10	1	75
A7402DM-8	7314150220250	354	10	1	75
A7402DM-9	7314150220267	354	10	1	75
A7402DZ-1/2	7314151760526	354	10	1	76
A7402DZ-1/4	7314151759940	354	10	1	76
A7402DZ-11/16	7314151820114	354	10	1	76
A7402DZ-13/16	7314153003027	354	10	1	76
A7402DZ-19/32	7314153003041	354	10	1	76
A7402DZ-3/4	7314151820121	354	10	1	76
A7402DZ-3/8	7314151760366	354	10	1	76
A7402DZ-5/16	7314151760014	354	10	1	76
A7402DZ-5/8	7314151820107	354	10	1	76
A7402DZ-7/16	7314151760441	354	10	1	76
A7402DZ-7/8	7314153003034	354	10	1	76
A7402DZ-9/16	7314151760793	354	10	1	76
A7410DZ-1/2	7314153006301	354	10	1	75
A7410DZ-11/16	7314153006332	354	10	1	75
A7410DZ-3/4	7314153006349	354	10	1	75
A7410DZ-3/8	7314153006288	354	10	1	75
A7410DZ-5/16	7314153006271	354	10	1	75
A7410DZ-5/8	7314153006325	354	10	1	75
A7410DZ-7/16	7314153006295	354	10	1	75
A7410DZ-9/16	7314153006318	354	10	1	75
A7435DME	7314153015006	354	25	1	81
A7440DME	7314153015419	354	25	1	81
A7440DZE	7314153014993	354	25	1	81
A7535DZE	7314153015013	354	25	1	82
ADJPT10/4	7314150165926	356	25	1	288
ADJPT10/4/E	7314150165933	356	25	1	288
ADJUST 3	7314150103515	310	10	1	44
ADJUST 3-90	7314150236336	310	10	1	44
AP-234-F	7311518289027	352	30	2	409
AP-3M	7311518152062	352	30	1	409
AP-5M	7311518152079	352	30	1	409
B400.002	8412814119441	338	20	1	205
B400.003	8412814119458	338	20	1	205
B400.004	8412814119465	338	20	1	205



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B400.005	8412814119472	338	20	1	205
B400.006	8412814119489	338	20	1	205
B400.007	8412814119496	338	20	1	205
B400.008	8412814119502	338	20	1	205
B400.009	8412814119519	338	20	1	205
B400.010	8412814119526	338	20	1	205
B400.011	8412814119533	338	20	1	205
B400.012	8412814119540	338	20	1	205
B400.013	8412814119557	338	20	1	205
B400.014	8412814119564	338	20	1	205
B400.015	8412814119571	338	20	1	205
B400.016	8412814119588	338	20	1	205
B400.017	8412814119595	338	20	1	205
B400.018	8412814119601	338	20	1	205
B400.019	8412814119618	338	20	1	205
B400.020	8412814119625	338	20	1	205
B400.021	8412814119632	338	20	1	205
B400.022	8412814119649	338	20	1	205
B400.023	8412814119656	338	20	1	205
B400.024	8412814119663	338	20	1	205
B400.025	8412814119670	338	20	1	205
B400.026	8412814119687	338	20	1	205
B400.027	8412814119694	338	20	1	205
B400.028	8412814119700	338	20	1	205
B400.029	8412814119717	338	20	1	205
B400.030	8412814119724	338	20	1	205
B400.031	8412814119731	338	20	1	205
B400.032	8412814119748	338	20	1	205
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B400.034	8412814119762	338	20	1	205
B400.035	8412814119779	338	20	1	205
B400.036	8412814119786	338	20	1	205
B400.037	8412814119793	338	20	1	205
B400.038	8412814119809	338	20	1	205
B400.039	8412814119816	338	20	1	205
B400.040	8412814119823	338	20	1	205
B400.041	8412814119830	338	20	1	205
B400.042	8412814119847	338	20	1	205
B400.043	8412814119854	338	20	1	205
B400.044	8412814119861	338	20	1	205
B400.045	8412814119878	338	20	1	205
B400.046	8412814119885	338	20	1	205
B400.047	8412814119892	338	20	1	205
B400.048	8412814119908	338	20	1	205
B400.049	8412814119915	338	20	1	205
B400.050	8412814119922	338	20	1	205
BAC007	7314150242337	312	30	1	235
BB10	7314150240586	312	10	1	247
BB12-760	7314150169269	312	10	1	246
BBA12-1200	7314150254330	312	10	1	246
BBA1224-1700	7314150254347	312	10	1	246
BBBC2A	7314150181520	312	10	1	246
BBBC4A	7314150181537	312	10	1	246
BBBCAB-AUZ	7314150183944	312	10	1	247
BBBCAB-EU	7314150186648	312	10	1	247
BBBCAB-UK	7314150183937	312	10	1	247
BBC420	7314150243235	312	10	1	247
BBC620	7314150243242	312	10	1	247
BBJL1630	7314150244898	312	10	1	247
BBJL2535	7314150209453	312	10	1	247
BBJL3545	7314150209460	312	10	1	247
BBL12-800	7314150244843	312	10	1	246
BBR110	7314150170562	312	25	1	240
BBR201P6	7314150205752	312	25	1	239
BBR201P64014	7314150237852	312	25	1	239
BBR201P64016	7314150237753	312	25	1	239
BBR201P64018	7314150237760	312	25	1	239
BBR201P67814	7314150237777	312	25	1	239
BBR201P67816	7314150237784	312	25	1	239
BBR201P67818	7314150237791	312	25	1	239
BBR202P4	7314150205769	312	25	1	239
BBR202P410	7314150207688	312	25	1	239
BBR202P414	7314150207695	312	25	1	239
BBR202P419	7314150207701	312	25	1	239
BBR202P455	7314150231393	312	25	1	239
BBR203P9	7314150208081	312	25	1	239
BBR203P920	7314150231102	312	25	1	239
BBR203P925	7314150231119	312	25	1	239
BBR203P927	7314150231126	312	25	1	239



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BBR203P930	7314150231133	312	25	1	239
BBR203P940	7314150231140	312	25	1	239
BBR203P945	7314150231157	312	25	1	239
BBR203P950	7314150231164	312	25	1	239
BBR203P955	7314150231171	312	25	1	239
BBR203P960	7314150231188	312	25	1	239
BBR210P3	7314150206056	312	25	1	240
BBR300P43	7314150169894	312	25	1	239
BBR320	7314150169887	312	25	1	239
BBR350	7314150169900	312	25	1	240
BBR6131	7314150239443	312	25	1	240
BBR6135	7314150239450	312	25	1	240
BBRS210P	7314150206070	312	25	1	240
BBRS210P2	7314150206063	312	25	1	240
BBS075	7314150249824	312	20	12	251
BBS100	7314150169870	312	20	1	255
BBS10001	7314150207183	312	20	1	255
BBS10002	7314150207190	312	20	1	255
BBS10003	7314150207206	312	20	1	255
BBS10004	7314150207213	312	20	1	255
BBS10005	7314150207220	312	20	1	255
BBS100057	7314150186655	312	10	1	255
BBS10006	7314150207237	312	20	1	255
BBS10007	7314150207244	312	20	1	255
BBS10008	7314150207251	312	20	1	255
BBS10009	7314150207268	312	20	1	255
BBS10010	7314150207275	312	20	1	255
BBS101	7314150243525	312	20	1	252
BBS102	7314150243518	312	20	1	252
BBS103	7314150243488	312	20	1	252
BBS10450	7314150243501	312	20	1	252
BBS105	7314150250868	312	20	1	251
BBS106	7314150243495	312	20	1	252
BBS107	7314150250875	312	20	1	252
BBS108	7314150250882	312	20	1	252
BBS12SH	7314150243563	312	20	1	251
BBS150	7314150169849	312	20	1	251
BBS150R	7314150244959	312	20	1	252
BBS150S	7314150244973	312	20	1	252
BBS150T	7314150244966	312	20	1	252
BBS165	7314150205615	312	20	10	251
BBS165SP4	7314150205622	312	20	50	251
BBS170P13	7314150205608	312	20	1	251
BBS170P131	7314150231843	312	20	1	251
BBS170P132	7314150231850	312	20	1	251
BBS170P133	7314150231867	312	20	1	251
BBS170P134	7314150231874	312	20	1	251
BBS170P135	7314150231881	312	20	1	251
BBS170P136	7314150231898	312	20	1	251
BBS170P137	7314150231904	312	20	1	251
BBS170P138	7314150231911	312	20	1	251
BBS170P139	7314150231928	312	20	1	251
BBS200	7314150239498	312	20	10	255
BBS20P12	7314150169856	312	20	1	255
BBS210	7314150215362	312	20	1	255
BBS210U06	7314150217656	312	20	1	255
BBS210U08	7314150217663	312	20	1	255
BBS210UA06	7314150217670	312	20	1	255
BBS210UA08	7314150217687	312	20	1	255
BBS210V06	7314150217632	312	20	1	255
BBS210V08	7314150217649	312	20	1	255
BBS210W06	7314150218738	312	20	1	255
BBS210W08	7314150218745	312	20	1	255
BBS3BH	7314150251254	312	40	1	250
BBS3UH	7314150242351	312	40	1	250
BBS50	7314150169863	312	20	1	255
BBSDA	7314150247127	312	20	1	254
BBSDC	7314150247158	312	20	1	254
BBSDD	7314150247165	312	20	1	254
BBSDH	7314150247141	312	20	1	254
BBSDHR	7314150249299	312	20	1	254
BBSDT	7314150247134	312	20	1	254
BBSDW	7314150247110	312	20	1	254
BBSH1F	7314150247189	312	20	1	253
BBSH1M	7314150247196	312	20	1	253
BBSH2C	7314150247202	312	20	1	253
BBSH2CA	7314150247219	312	20	1	253
BBSH2CP	7314150247226	312	20	1	253
BBSH2F	7314150247172	312	20	1	252





	ACCOUNT	SUBGROUP			
BBSH3CF	7314150247240	312	20	1	253
BBSH3CF30	7314150247264	312	20	1	253
BBSH3FS	7314150247257	312	20	1	253
BBSH3MF	7314150247233	312	20	1	253
BBSS1	7314150247288	312	20	1	254
BBSS2	7314150247271	312	20	1	254
BBSS2L	7314150247295	312	20	1	255
BBT20	7314150166961	312	10	1	247
BBT30	7314150164981	312	10	1	247
BBT40	7314150164974	312	10	1	247
BE-3529	7314151847845	350	10	5	328
BE-6400M-4	7314153011145	350	10	5	140
BE-6400M-5	7314153011169	350	10	5	140
BE-6400M-5.5	7314153011176	350	10	5	140
BE-6400M-7	7314153011190	350	10	5	140
BE-6902	7314150242641	350	10	5	140
BE-6903	7314150242665	350	10	5	140
BE-6925	7314150242658	350	10	5	140
BE-6990-AH	7314151848651	360	25	1	108
BE-6990-IP10	7314151846763	360	25	1	106
BE-6990-IP10-KL	7314151847531	360	25	10	107
BE-6990-IP15	7314151846770	360	25	1	106
BE-6990-IP15-KL	7314151847548	360	25	10	107
BE-6990-IP20	7314151848606	360	25	1	107
BE-6990-IP20-KL	7314151848668	360	25	10	107
BE-6990-IP6	7314151846725	360	25	1	106
BE-6990-IP6-KL	7314151847494	360	25	10	107
BE-6990-IP7	7314151846732	360	25	1	106
BE-6990-IP7-KL	7314151847500	360	25	10	107
BE-6990-IP8	7314151846749	360	25	1	106
BE-6990-IP8-KL	7314151847517	360	25	10	107
BE-6990-IP9	7314151846756	360	25	1	106
BE-6990-IP9-KL	7314151847524	360	25	10	107
BE-6990-IPSET	7314153019356	360	25	1	107
BE-6990TX-T10KL	7314151847760	360	25	10	107
BE-6990TX-T15KL	7314151847777	360	25	10	107
BE-6990TX-T20KL	7314151848682	360	25	10	107
BE-6990TX-T6-KL	7314151847722	360	25	10	107
BE-6990TX-T7-KL	7314151847739	360	25	10	107
BE-6990TX-T8-KL	7314151847746	360	25	10	107
BE-6990TX-T9-KL	7314151847753	360	25	10	107
BE-7515	7314150242528	350	10	5	139
BE-7520	7314150242535	350	10	5	139
BE-7525	7314150242542	350	10	5	139
BE-7527	7314150242559	350	10	5	139
BE-7530	7314150242566	350	10	5	139
BE-7540	7314150242573	350	10	5	139
BE-7606	7314151839017	350	10	5	140
BE-7607	7314151839024	350	10	5	140
BE-7608	7314151839031	350	10	5	140
BE-7675	7314150123896	350	54	1	175
BE-7715	7314150242580	350	10	5	139
BE-7720	7314150242597	350	10	5	139
BE-7725	7314150242603	350	10	5	139
BE-7727	7314150242610	350	10	5	139
BE-7730	7314150242627	350	10	5	139
BE-7740	7314150242634	350	10	5	139
BE-7803	7314151838867	350	10	5	141
BE-7804	7314151838881	350	10	5	141
BE-7805	7314151838904	350	10	5	141
BE-7806	7314151838928	350	10	5	141
BE-7806S	7314150242986	350	10	5	141
BE-7807	7314151838935	350	10	5	141
BE-7807S	7314150242993	350	10	5	141
BE-7808	7314151838942	350	10	5	141
BE-7808S	7314150243006	350	10	5	141
BE-7809	7314151838959	350	10	5	141
BE-7809S	7314150243013	350	10	5	141
BE-7810	7314151838966	350	10	5	141
BE-7810S	7314150243020	350	10	5	141
BE-7811	7314151838973	350	10	5	141
BE-7812	7314151838980	350	10	5	141
BE-7813	7314151838997	350	10	5	141
BE-7814	7314151839000	350	10	5	141
BE-7835	7314151838874	350	10	5	141
BE-7845	7314151838898	350	10	5	141
BE-7855	7314151838911	350	10	5	141
BE-7855S	7314150242979	350	10	5	141
BE-7907	7314153010964	350	10	5	139



	ACCOUNT	SUBGROUP			
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BE-7909	7314153010988	350	10	5	139
BE-7910	7314151838799	350	10	5	139
BE-7915	7314151838805	350	10	5	139
BE-7920	7314151838812	350	10	5	139
BE-7925	7314151838829	350	10	5	139
BE-7927	7314151838836	350	10	5	139
BE-7930	7314151838843	350	10	5	139
BE-7940	7314151838850	350	10	5	139
BE-8002	7314150242825	350	10	5	138
BE-8010	7314150010615	350	10	5	138
BE-8010S	7314150033058	350	24	5	141
BE-8020	7314150010639	350	10	5	138
BE-8020L	7314151838591	350	10	5	138
BE-8022	7314150242474	350	10	5	138
BE-8030	7314150010653	350	10	5	138
BE-8040	7314150010677	350	10	5	138
BE-8040S	7314150033089	350	24	5	141
BE-8050S	7314150033096	350	24	5	141
BE-8065S	7314150033119	350	24	5	141
BE-8080-1	7314153010995	350	10	5	140
BE-8080-10	7314153011060	350	10	5	140
BE-8080-2	7314153011008	350	10	5	140
BE-8080-3	7314153011015	350	10	5	140
BE-8080-4	7314153011022	350	10	5	140
BE-8080-5	7314153011039	350	10	5	140
BE-8080-6	7314153011046	350	10	5	140
BE-8080-8	7314153011053	350	10	5	140
BE-8150	7314150010707	350	10	5	138
BE-8155	7314150010721	350	10	5	138
BE-8158	7314153010858	350	10	5	138
BE-8159	7314153010865	350	10	5	138
BE-8160	7314150010745	350	10	5	138
BE-8210	7314151838584	350	10	5	138
BE-8220	7314150047741	350	10	5	138
BE-8220S	7314150048243	350	24	5	141
BE-8225	7314150242443	350	10	5	138
BE-8230	7314150047758	350	10	5	138
BE-8230S	7314150048250	350	24	5	141
BE-8235	7314150242450	350	10	5	138
BE-8240	7314150047765	350	10	5	138
BE-8241	7314150242467	350	10	5	138
BE-8242	7314153010803	350	10	5	138
BE-8250	7314150047772	350	10	5	138
BE-8250L	7314151838607	350	10	5	138
BE-8251	7314150242481	350	10	5	138
BE-8252	7314153010810	350	10	5	138
BE-8255	7314150047789	350	10	5	138
BE-8255S	7314150048281	350	24	5	141
BE-8256	7314153010827	350	10	5	138
BE-8257	7314153010834	350	10	5	138
BE-8258	7314153010841	350	10	5	138
BE-8258S	7314150242818	350	24	5	141
BE-8259S	7314150242832	350	24	5	141
BE-8260	7314150047796	350	10	5	138
BE-8330	7314151838614	350	10	5	138
BE-8340	7314151838621	350	10	5	138
BE-8350	7314151838638	350	10	5	138
BE-8355	7314151838652	350	10	5	138
BE-8360	7314151838676	350	10	5	138
BE-8450	7314151838645	350	10	5	138
BE-8455	7314151838669	350	10	5	138
BE-8510S	7314150126507	350	24	5	141
BE-8520S	7314150126514	350	24	5	141
BE-8571	7314150244652	350	10	1	145
BE-8572	7314150244669	350	10	1	145
BE-8573	7314150244676	350	10	1	145
BE-8575	7314150244638	350	10	1	144
BE-8576	7314150245741	350	10	1	146
BE-8577	7314151839048	350	10	5	140
BE-8600	7314150010769	350	10	5	138
BE-8600S	7314150033126	350	24	5	141
BE-8601	7314151838706	350	10	5	138
BE-8602	7314151838713	350	10	5	138
BE-8605	7314150242498	350	10	5	138
BE-8608	7314150242504	350	10	5	138
BE-8610	7314150010776	350	10	5	138
BE-8610L	7314151838683	350	10	5	138
BE-8610S	7314150033133	350	24	5	141



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BE-8612S	7314150242856	350	24	5	141
BE-8620	7314150010783	350	10	5	138
BE-8620L	7314151838690	350	10	5	138
BE-8620S	7314150033140	350	24	5	141
BE-8621	7311518292324	350	10	5	138
BE-8621S	7314150242863	350	24	5	141
BE-8622	7314150242511	350	10	5	138
BE-8622S	7314150242870	350	24	5	141
BE-8623	7314153010872	350	10	5	138
BE-8624	7314153010889	350	10	5	138
BE-8628	7314153010896	350	10	5	138
BE-8629	7314153010902	350	10	5	138
BE-8630	7314150010790	350	10	5	138
BE-8630S	7314150033157	350	24	5	141
BE-8640	7314150010806	350	10	5	138
BE-8640S	7314150033164	350	24	5	141
BE-8675	7314150123872	350	54	1	174
BE-8700-1/4	7314150242689	350	10	5	140
BE-8700-3/16	7314150242696	350	10	5	140
BE-8700-3/8	7314150242702	350	10	5	140
BE-8700-5/16	7314150242719	350	10	5	140
BE-8700-5/32	7314150242726	350	10	5	140
BE-8700-7/32	7314150242733	350	10	5	140
BE-8702	7314151838768	350	10	5	139
BE-8703	7314150027651	350	10	5	139
BE-8703S	7314151839130	350	24	5	141
BE-8704	7314150027668	350	10	5	139
BE-8704S	7314151839147	350	24	5	141
BE-8705	7314150027675	350	10	5	139
BE-8705S	7314151839154	350	24	5	141
BE-8706	7314150027682	350	10	5	139
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BE-8708	7314150027699	350	10	5	139
BE-8708S	7314151839178	350	24	5	141
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BE-8710S	7314150126521	350	24	5	141
BE-8715	7314150242672	350	10	5	139
BE-8720S	7314150126538	350	24	5	141
BE-8725	7314151838775	350	10	5	139
BE-8725S	7314151839123	350	24	5	141
BE-8800	7314150042012	350	10	5	139
BE-8800S	7314151839055	350	24	5	141
BE-8801	7314151838744	350	10	5	139
BE-8802	7314151838751	350	10	5	139
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BE-8810L	7314151838720	350	10	5	139
BE-8810S	7314150048298	350	24	5	141
BE-8811	7311518292331	350	10	5	139
BE-8812S	7314150242894	350	24	5	141
BE-8820	7314150010820	350	10	5	139
BE-8820L	7314151838737	350	10	5	139
BE-8820S	7314150048304	350	24	5	141
BE-8821	7311518292348	350	10	5	139
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BE-8822S	7314150242917	350	24	5	141
BE-8823	7314153010919	350	10	5	139
BE-8824	7314153010926	350	10	5	139
BE-8828	7314153010933	350	10	5	139
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BE-8830	7314150010837	350	10	5	139
BE-8830S	7314150048311	350	24	5	141
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BE-8840S	7314151839062	350	24	5	141
BE-8865	7314150010851	350	10	5	138
BE-8870	7314150010875	350	10	5	138
BE-8880	7314150010899	350	10	5	138
BE-8890	7314150010905	350	10	5	138
BE-8904	7314153010957	350	10	5	139
BE-8905	7314153010049	350	10	5	139
BE-8905S	7314150242924	350	24	5	141
BE-8906	7314150027729	350	10	5	139
BE-8906S	7314150242931	350	24	5	141
BE-8907	7314150027736	350	10	5	139
BE-8907S	7314150242948	350	24	5	141
BE-8908	7314150027743	350	10	5	139
BE-8908S	7314150242955	350	24	5	141
BE-8909	7314150027750	350	10	5	139
BE-8909S	7314150242962	350	24	5	141



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BE-8910S	7314151839079	350	24	5	141
BE-8915	7314150027774	350	10	5	139
BE-8915S	7314151839086	350	24	5	141
BE-8920	7314150027781	350	10	5	139
BE-8920S	7314151839093	350	24	5	141
BE-8925	7314150027798	350	10	5	139
BE-8925S	7314151839109	350	24	5	141
BE-8927	7314150027804	350	10	5	139
BE-8930	7314150027811	350	10	5	139
BE-8930S	7314151839116	350	24	5	141
BE-8940	7314150027828	350	10	5	139
BE-8945	7314151838782	350	10	5	139
BE-8975	7314150056576	350	54	6	173
BE-8975B	7314150188741	350	54	6	173
BE-8976B	7314150216369	350	54	6	174
BE-8980	7314153010681	350	10	5	140
BE-8985	7314153010698	350	10	5	140
BE-8986	7314150267026	350	10	5	140
BE-9001	7311518269005	350	10	1	140
BE-9002	7311518269012	350	10	5	140
BE-9003	7311518269029	350	10	5	140
BE-9100	7314150242757	350	10	5	140
BE-9101	7314150242764	350	10	5	140
BE-9102	7314150242771	350	10	5	140
BE-9103	7314150242788	350	10	5	140
BE-9104	7314150242795	350	10	5	140
BE-9105	7314150242801	350	10	5	140
BE-9575	7314150123841	350	54	1	173
BE-9578	7314150123803	350	54	1	171
BE-9585	7314150123858	350	54	1	173
BE-9586	7314150216000	350	54	1	171
BE-9588	7314150123810	350	54	1	171
BE-9675	7314150123889	350	54	1	174
BE-9676	7314150216017	350	54	1	172
BE-9678	7314150123827	350	54	1	172
BE-9688	7314150123834	350	54	1	172
BE-9765	7314150055128	350	54	3	172
BE-9770	7314150027712	350	54	3	172
BE-9775	7314150056330	350	54	3	172
BE-9776	7314150056545	350	54	6	171
BE-9776B	7314150216352	350	54	6	172
BE-9777	7314150056552	350	54	6	171
BE-9777B	7314150188734	350	54	6	171
BE-9778	7314150123780	350	54	1	169
BE-9780	7314150033386	350	54	3	172
BE-9785	7314150056347	350	54	3	172
BE-9787	7314150056569	350	54	6	172
BE-9871	7314150234707	350	10	1	143
BE-9873	7314150235742	350	10	1	143
BE-9878	7314150186259	350	54	1	170
BE-9880	7314150238569	350	54	3	170
BE-9881	7314150043279	350	10	1	142
BE-9881S	7314151839307	350	24	1	143
BE-9882	7314151839284	350	10	1	142
BE-9882S	7314151839314	350	24	1	143
BE-9884	7314150243068	350	10	1	142
BE-9884S	7314150236602	350	24	1	144
BE-9885	7314150048465	350	10	1	142
BE-9885S	7314150126491	350	24	1	143
BE-9886	7314150048472	350	10	1	142
BE-9887S	7314150244744	350	24	1	144
BE-9888S	7314153006158	350	24	1	143
BE-9889S	7314150244751	350	24	1	144
BE-9890S	7314150237715	350	24	1	144
BE-9893	7314150243075	350	10	1	142
BE009/T10/9	7314150136667	356	25	1	285
BE009/T10/E	7314150137107	356	25	1	285
BE009/T12/8	7314150136728	356	25	1	286
BE009/T12/E	7314150137169	356	25	1	286
BE009/T6/7	7314150136698	356	25	1	286
BE009/T6/E	7314150137138	356	25	1	286
BE009/T8/5	7314150136704	356	25	1	286
BE009/T8/E	7314150137145	356	25	1	286
BE100	7314150177912	312	30	1	221
BE1100	7314150205929	312	10	8	220
BE110001	7314150230228	312	10	1	220
BE110002	7314150230242	312	10	1	220
BE110014	7314150230204	312	10	1	220



BE110015	7314150230211	312	10	1	220
BE110038	7314150230259	312	10	1	220
BE1100AC1	7314150230266	312	10	1	220
BE1200P6	7314150205516	312	10	1	221
BE1200P6AC1	7314150205523	312	10	1	221
BE1205	7314150205554	312	10	1	221
BE1210P11	7314150209101	312	10	1	221
BE1210P9AC1	7314150205547	312	10	1	221
BE1300	7314150205578	312	30	1	222
BE1300SH	7314150205585	312	30	10	222
BE1305P450	7314150206032	312	30	1	222
BE1310P4	7314150205707	312	30	1	222
BE1310P425	7314150233649	312	30	1	222
BE1310P427	7314150233656	312	30	1	222
BE1310P429	7314150233663	312	30	1	222
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BE1311P13	7314150235414	312	30	1	222
BE1315P7	7314150205776	312	30	1	221
BE1315P71	7314150230273	312	30	1	221
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BE1315P75	7314150230310	312	30	1	221
BE1315P76	7314150230327	312	30	1	221
BE1315P77	7314150230334	312	30	1	221
BE13ZL11	7314150239733	312	30	1	223
BE1FLDS	7314150250783	312	30	1	223
BE1FTW	7314150251209	312	20	1	223
BE1GP5	7314150170043	312	30	1	220
BE1GP5-T	7314150170050	312	30	10	221
BE1GP510	7314150207732	312	30	1	221
BE1GP512	7314150207749	312	30	1	221
BE1GP514	7314150207756	312	30	1	221
BE1GP58	7314150207718	312	30	1	221
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BE1P	7314150170067	312	10	1	220
BE1SP14L	7314150170074	312	10	1	220
BE1T14	7314150167630	312	10	1	220
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BE1T21	7314150167654	312	30	1	220
BE200	7314150165148	312	30	1	268
BE200CAB250SH10	7314150165452	312	30	1	268
BE200CAB250SH25	7314150165469	312	30	1	268
BE200CAB250SH3	7314150165445	312	30	1	268
BE200CAB40F1	7314150165391	312	30	1	268
BE200CAB55F1	7314150165407	312	30	1	268
BE200CAB55F3	7314150165414	312	30	1	268
BE200CAB58SR1	7314150165421	312	30	1	268
BE200CAB58SR3	7314150165438	312	30	1	268
BE200CAB80SR1	7314150165384	312	30	1	268
BE200CAB80SR3	7314150165476	312	30	1	268
BE200MAG55	7314150165513	312	30	1	268
BE200MAG80	7314150165551	312	30	1	268
BE200MIR5535	7314150165483	312	30	1	268
BE200MIR5545	7314150165490	312	30	1	268
BE200MIR5555	7314150165506	312	30	1	268
BE200MIR8035	7314150165520	312	30	1	268
BE200MIR8045	7314150165537	312	30	1	268
BE200MIR8055	7314150165544	312	30	1	268
BE210	7314150165155	312	30	1	268
BE220	7314150170005	312	30	1	268
BE230	7314150182633	312	30	1	229
BE239	7314150243143	312	30	1	229
BE240	7314150239917	312	30	1	229
BE250	7314150169924	312	30	1	231
BE251	7314150239429	312	30	1	231
BE251200	7314150249343	312	25	1	244
BE2512005	7314150249350	312	25	1	244
BE2512008	7314150249367	312	25	1	244
BE253	7314150250806	312	30	1	231
BE254	7314150236244	312	30	1	230
BE2541	7314150251797	312	30	1	230
BE2542	7314150251803	312	30	1	230
BE255	7314150180257	312	30	1	231
BE256-155	7314150205875	312	30	1	232
BE256-178	7314150205882	312	30	1	232
BE256-250	7314150205899	312	30	1	232
BE256M	7314150205851	312	30	1	232
BE256P3	7314150205868	312	30	1	232



BE257	7314150205844	312	30	8	232
BE25710	7314150230549	312	30	1	232
BE25718	7314150230532	312	30	1	232
BE2572	7314150230556	312	30	1	232
BE2576	7314150230525	312	30	1	232
BE258	7314150251780	312	30	1	231
BE300	7314150182312	312	30	1	230
BE310	7314150205943	312	30	8	230
BE400P24	7314150205806	312	30	1	230
BE400P2401	7314150230600	312	30	1	230
BE400P2402	7314150230617	312	30	1	230
BE400P2403	7314150230624	312	30	1	230
BE400P2404	7314150230631	312	30	1	230
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BE400P2406	7314150230655	312	30	1	230
BE400P2407	7314150230662	312	30	1	230
BE400P2408	7314150230679	312	30	1	230
BE400P2409	7314150230686	312	30	1	230
BE400P241	7314150230563	312	30	1	230
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BE400P2413	7314150230723	312	30	1	230
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BE400P2419	7314150230785	312	30	1	230
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BE401	7314150240593	312	30	1	231
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BE5008	7314150239344	312	30	1	223
BE5008-10	7314150239269	312	30	1	223
BE5008-15	7314150239276	312	30	1	223
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BE5008-25	7314150239290	312	30	1	223
BE5008-27	7314150239306	312	30	1	223
BE5008-30	7314150239313	312	30	1	223
BE5008-40	7314150239320	312	30	1	223
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BE504902	7314150184583	312	30	1	233
BE5049H10	7314150184705	312	30	1	232



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BE5049H4	7314150184590	312	30	1	232
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BE5049H6	7314150184637	312	30	1	232
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BE5049M5	7314150184743	312	30	1	233
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BE52002	7314150230440	312	30	1	231
BE52003	7314150230457	312	30	1	231
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BE523047	7314150177950	312	30	1	226
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BE523055	7314150178018	312	30	1	225
BE52305650	7314150178216	312	30	1	227
BE52305801	7314150177967	312	30	1	227
BE52305802	7314150178285	312	30	1	227
BE52306100	7314150178001	312	30	1	224
BE52306110	7314150178025	312	30	1	228
BE52306120	7314150178223	312	30	1	228
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BE52306929	7314150178315	312	30	1	226
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BE52311102	7314150178117	312	30	1	225
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BE523160	7314150178254	312	30	1	225
BE523161	7314150178193	312	30	1	227
BE52316150	7314150178209	312	30	1	228
BE52316190	7314150178179	312	30	1	227
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BE523161B	7314150178230	312	30	1	228
BE52316230	7314150178186	312	30	1	227
BE52316404	7314150177974	312	30	1	229
BE523166	7314150178308	312	30	1	226
BE523167	7314150177998	312	30	1	226
BE523171	7314150178346	312	30	1	225
BE52317301	7314150178131	312	30	1	226
BE523174	7314150178261	312	30	1	226
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BE523360	7314150178278	312	30	1	225
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BE5350C1	7314150230389	312	30	1	222
BE5350C2	7314150230396	312	30	1	222
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BE5401D	7314150245062	312	30	1	232
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BE61110-1	7314150167463	312	30	1	238
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BE61155-1	7314150167470	312	30	1	238
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BE630386F	7314150169634	312	30	1	237
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BE630666F	7314150232116	312	30	1	237
BE6306814F	7314150232154	312	30	1	237
BE6307314F	7314150232161	312	30	1	237
BE6307415F	7314150232178	312	30	1	237
BE630747615F	7314150232307	312	30	1	237
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BE6307614F	7314150232369	312	30	1	237
BE6307630F	7314150232437	312	30	1	237
BE630768F	7314150232468	312	30	1	237
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BE6309015F	7314150232529	312	30	1	237
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BE66152	7314150247639	312	30	6	238
BE68	7314150237876	312	30	1	236
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BE74-57125	7314150169511	312	30	1	223
BE74-57125L	7314150169535	312	30	1	223
BE74-80120	7314150169740	312	30	1	223
BE74-90175	7314150169528	312	30	1	223
BE76101	7314150240005	312	30	1	235
BE76105	7314150239412	312	30	1	235
BE78/T10/8	7314150136834	356	25	1	286
BE78/T10/E	7314150137251	356	25	1	286
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BELMS24	7314150239221	312	10	25	249
BELP1224	7314150177882	312	10	1	248
BELS12	7314150170579	312	10	1	249
BELT10	7314150170623	312	10	1	248
BELT1213	7314150170616	312	10	1	248
BELT127	7314150177899	312	10	1	248
BELT2415	7314150170609	312	10	1	248
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BELTKEY	7314150177875	312	10	1	248
BELTRP16	7314150169917	312	10	1	248
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BELTRP1605	7314150231973	312	10	1	248
BELTRP1606	7314150231980	312	10	1	248
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BELTRP1616	7314150232093	312	10	1	248
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BH11500	7314150178797	312	40	1	260
BH12000	7314150178803	312	40	1	260
BH13000	7314150178810	312	40	1	260
BH15000	7314150170531	312	40	1	260
BH1A1500	7314150257706	312	40	1	260
BH1A2500	7314150170555	312	40	1	260
BH1CB1000	7314150243204	312	40	1	260
BH1EU3000	7314150245000	312	40	1	260
BH1M1000	7314150237845	312	40	1	259
BH230	7314150264070	312	40	1	261
BH23015	7314150178759	312	40	1	261
BH23015C	7314150178742	312	40	1	261
BH2402010	7314150178766	312	40	1	261
BH2604020	7314150178773	312	40	1	261
BH2AC60-140	7314150168958	312	40	1	261
BH2AC60V110	7314150178933	312	40	1	261
BH33000	7314150178674	312	40	1	262
BH36000	7314150178681	312	40	1	262
BH3A10000	7314150234660	312	40	1	262
BH3A3000	7314150234646	312	40	1	262
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BH3HD16000	7314150170524	312	40	1	262
BH3HD20000	7314150170517	312	40	1	262
BH3HD8000	7314150170494	312	40	2	262
BH3SQ15000	7314150234684	312	40	1	262
BH3SQ7000	7314150234677	312	40	2	262
BH410	7314150178711	312	40	1	259
BH415	7314150178728	312	40	1	259
BH42	7314150178698	312	40	1	259
BH420	7314150178735	312	40	1	259
BH430	7314150178780	312	40	1	259
BH45	7314150178704	312	40	1	259
BH4S12	7314150237920	312	40	3	259
BH4S2	7314150237883	312	40	6	259
BH4S20	7314150237937	312	40	1	259
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BH4S6	7314150237906	312	40	1	259
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BH5SP500	7314150170432	312	40	1	259
BH5US500	7314150170449	312	40	1	259
BH6AC1-680	7314150178667	312	40	1	259
BH6FC1000	7314150178650	312	40	1	258
BH6FC2000	7314150234639	312	40	1	258
BH6PC600	7314150234622	312	40	1	259
BH715	7314150237555	312	40	1	258
BH715-13	7314150239191	312	40	1	258
BH720	7314150235650	312	40	1	258
BH720-22	7314150236961	312	40	1	258
BH720SG	7314150238477	312	40	1	258
BH730	7314150235667	312	40	1	258
BH730SG	7314150238484	312	40	1	258
BH750	7314150235674	312	40	1	258
BH750SG	7314150238491	312	40	1	258
BH8AC1-500	7314150170463	312	40	1	262
BH8AC2-450	7314150170470	312	40	1	262
BH8AC3-500	7314150170487	312	40	1	262
BH8BC1	7314150242276	312	20	1	250
BH8BC2	7314150242283	312	20	1	250
BH8BC3	7314150242290	312	20	1	251
BH8BC4	7314150242306	312	20	1	251
BH8BC5	7314150242313	312	20	1	251
BH8PR10000	7314150178957	312	40	1	262



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BH9BJ22SSH	7314150247462	312	40	1	261
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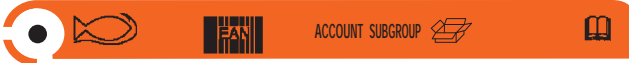


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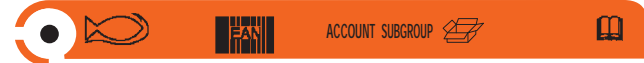


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C1225C08	7311518100889	346	15	1	37
C1225F06	7311518100803	346	15	1	37
C1225F08	7311518100858	346	15	1	37
C1225M06	7311518100810	346	15	1	37
C1225M06X	7311518100834	346	15	1	37
C1225M08	7311518100865	346	15	1	37
C1225M08X	7311518187996	346	15	1	37



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C1625C06	7311518192273	346	15	1	37
C1625C08	7311518100933	346	15	1	37
C1625F06	7311518192259	346	15	1	37
C1625F08	7311518100896	346	15	1	37
C1625M06	7311518192266	346	15	1	37
C1625M06X	7311518187378	346	15	1	37
C1625M08	7311518100902	346	15	1	37
C1625M08X	7311518100926	346	15	1	37
CHALK-300-B	7314150215096	336	10	6	336
CHALK-300-R	7314150215089	336	10	6	336
CHALK-300-W	7314150215102	336	10	6	336
CHALK-300-Y	7314150215119	336	10	6	336
CL-1221	7314150127122	336	10	6	336
CL-1221-SET	7314150188574	336	10	4	336
CLIPS-1/2	7314153003201	354	15	25	90
CLIPS-1/4	7314153003188	354	15	25	70
CLIPS-3/8	7314153003195	354	15	25	80
CR B 01	7314150215409	340	40	5	188
CR B 02	7314150215416	340	40	5	188
CR B 03	7314150215423	340	40	5	188
CR B 05	7314150215454	340	40	2	188
CR B 06	7314150215461	340	40	2	188
CR HL 01	7314150215850	340	40	1	189
CR HL 02	7314150215867	340	40	1	189
CR HL 03	7314150215874	340	40	1	190
CR HL 04	7314150215881	340	40	1	190
CR HL 05	7314150215898	340	40	1	190
CR HL 06	7314150215904	340	40	1	190
CR L 01	7314150215911	340	40	1	190
CR L 02	7314150215928	340	40	1	190
CR L 03	7314150215935	340	40	1	190
CR W 01	7314150215492	340	40	1	189
CR W 02	7314150215508	340	40	1	189
CR W 03	7314150215515	340	40	1	189
CR W 04	7314150215522	340	40	1	189
CR W 05	7314150215539	340	40	1	189
CR W 06	7314150215546	340	40	1	189
CR W 07	7314150215553	340	40	1	189
CS150	7314150125241	336	10	12	337
CS300	7314150125258	336	10	12	337
CS400	7314150125265	336	10	12	337
CTTG/T15/5	7314150136896	356	25	1	289
CTTG/T15/E	7314150137305	356	25	1	289
D-DD/S20	7311518280345	354	30	4	114
D/S10	7311518280307	354	30	6	113
D/S14	7311518280314	354	30	6	113
D0303C03	7311518100964	346	15	1	37
D0303F03	7311518100940	346	15	1	37
D0303M03	7311518100957	346	15	1	37
D0303M03X	7311518182052	346	15	1	37
D0605M03X	7311518197896	346	15	1	37
D0606C06	7311518043872	346	15	1	37
D0606F06	7311518100971	346	15	1	37
D0606M06	7311518100988	346	15	1	37
D0606M06X	7311518101008	346	15	1	37
D0807C06	7311518043933	346	15	1	37
D0807F06	7311518043889	346	15	1	37
D0807M06	7311518043896	346	15	1	37
D0807M06X	7311518043919	346	15	1	37
D1009C06	7311518035310	346	15	1	37
D1009F06	7311518043926	346	15	1	37
D1009M06	7311518035280	346	15	1	37
D1009M06X	7311518035297	346	15	1	37
D1211AL06	7311518187644	346	15	1	39
D1211AL08	7311518181840	346	15	1	39
D1211C06	7311518035365	346	15	1	37
D1211F06	7311518035327	346	15	1	37
D1211F06D	7311518266424	346	15	1	37
D1211M06	7311518035334	346	15	1	37
D1211M06X	7311518035358	346	15	1	37
D1614C06	7311518192341	346	15	1	37
D1614C08	7311518035419	346	15	1	37
D1614F06	7311518192334	346	15	1	37
D1614F08	7311518035372	346	15	1	37
D1614M06	7311518192327	346	15	1	37
D1614M06X	7311518187385	346	15	1	37
D1614M08	7311518035389	346	15	1	37
D1614M08X	7311518035402	346	15	1	37
DD/S10	7311518280321	354	30	6	114



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DD/S14	7311518280338	354	30	4	114
DOW 175-1	7314152202728	338	10	1	202
DOW 175-11/2	7314152202995	338	10	1	202
DOW 175-2	7314152203022	338	10	1	202
DOW 175-3	7314152203299	338	10	1	202
DOW 176-1	7314152206047	338	10	1	202
DOW 176-11/2	7314152206122	338	10	1	202
DOW 176-2	7314152206399	338	10	1	202
DOW 177-1/2-1	73141522816383	338	10	1	202
DOW 177-11/2	7314152816468	338	10	1	202
DOW 177-2	7314152816543	338	10	1	202
E0308C03	7311518035440	346	15	1	37
E0308F03	7311518035426	346	15	1	37
E0308M03	7311518035433	346	15	1	37
E0308M03X	7311518192372	346	15	1	37
E0614C06	7311518035495	346	15	1	37
E0614F06	7311518035457	346	15	1	37
E0614M06	7311518035464	346	15	1	37
E0614M06X	7311518035488	346	15	1	37
E0816C06	7311518035549	346	15	1	37
E0816F06	7311518035501	346	15	1	37
E0816M06	7311518035518	346	15	1	37
E0816M06X	7311518035532	346	15	1	37
E1018C06	7311518035594	346	15	1	37
E1018F06	7311518035556	346	15	1	37
E1018M06	7311518035563	346	15	1	37
E1018M06X	7311518035587	346	15	1	37
E1222C06	7311518035648	346	15	1	37
E1222C08	7311518035686	346	15	1	37
E1222F06	7311518035600	346	15	1	37
E1222F08	7311518035655	346	15	1	37
E1222M06	7311518035617	346	15	1	37
E1222M06X	7311518035631	346	15	1	37
E1222M08	7311518172558	346	15	1	37
E1222M08X	7311518199302	346	15	1	37
E1625C06	7311518192464	346	15	1	37
E1625C08	7311518035730	346	15	1	37
E1625F06	7311518192457	346	15	1	37
E1625F08	7311518035693	346	15	1	37
E1625M06	7311518192440	346	15	1	37
E1625M06X	7311518187392	346	15	1	37
E1625M08	7311518035709	346	15	1	37
E1625M08X	7311518035723	346	15	1	37
ECO-LUBE100	7311518249434	352	35	4	415
EF-1/T8/5	7314150136810	356	25	1	288
EF-1/T8/E	7314150137237	356	25	1	288
EPCP-P/T8/E	7314150137190	356	25	1	287
EPCP/T8/4	7314150136759	356	25	1	287
EPP/T8/4	7314150136766	356	25	1	287
EX-14-TEN-C	7311518298333	330	10	10	351
EX-14-VEN-C	7311518298340	330	10	10	351
EX-16-GNP-C	7311518298685	330	10	10	350
EX-19-XT9-C	7311518298302	330	10	10	350
EX-20-LAM-C	7311518298326	330	10	10	350
EX-20-XT11-C	7311518298319	330	10	10	350
EX-22-PLS-C	7311518298357	330	10	10	350
EX-22-U7	7311518300890	330	10	10	351
EX-22-XT7-C	7311518298289	330	10	10	350
EX-22-XT9-C	7311518298296	330	10	10	350
EX-24-XT7-C	7311518298272	330	10	10	350
EX-244P-22	7311518298456	330	10	10	351
EX-LL	7311518298494	330	10	4	350
EX-NPP-22	7311518324162	330	10	10	351
EX-RL	7311518298487	330	10	4	350
EX-RM	7311518298470	330	10	4	350
F0313C03	7311518035761	346	15	1	37
F0313F03	7311518035747	346	15	1	37
F0313M03	7311518035754	346	15	1	37
F0313M03X	7311518192495	346	15	1	37
F0612C04	7311518192525	346	15	1	37
F0612F04	7311518192518	346	15	1	37
F0612M04	7311518035778	346	15	1	37
F0612M04X	7311518188474	346	15	1	37
F0613M03X	7311518196608	346	15	1	37
F0618AL06	7311518181857	346	15	1	39
F0618C06	7311518035822	346	15	1	37
F0618F06	7311518035785	346	15	1	37
F0618M06	7311518035792	346	15	1	37
F0618M06X	7311518035815	346	15	1	37



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F0820C06	7311518035877	346	15	1	37
F0820F06	7311518035846	346	15	1	37
F0820M06	7311518035839	346	15	1	37
F0820M06X	7311518035860	346	15	1	37
F1020C06	7311518035921	346	15	1	37
F1020F06	7311518035884	346	15	1	37
F1020M06	7311518035891	346	15	1	37
F1020M06X	7311518035914	346	15	1	37
F1225AL06	7311518187651	346	15	1	39
F1225AL08	7311518181864	346	15	1	39
F1225C06	7311518035969	346	15	1	37
F1225C08	7311518036010	346	15	1	37
F1225F06	7311518035938	346	15	1	37
F1225F08	7311518035976	346	15	1	37
F1225M06	7311518035945	346	15	1	37
F1225M06X	7311518036003	346	15	1	37
F1225M08	7311518035983	346	15	1	37
F1225M08X	7311518192563	346	15	1	37
F1625C06	7311518192594	346	15	1	37
F1625C08	7311518036065	346	15	1	37
F1625F06	7311518192587	346	15	1	37
F1625F08	7311518036027	346	15	1	37
F1625M06	7311518192570	346	15	1	37
F1625M06X	7311518187408	346	15	1	37
F1625M08	7311518036034	346	15	1	37
F1625M08X	7311518036058	346	15	1	37
FCP-1.8-810	7311518123970	326	15	4	387
FCP-2.3-860	7311518123994	326	15	2	387
FCT128	7314150138838	356	25	1	290
FCT169	7314150138845	356	25	1	290
FCT238	7314150138852	356	25	1	290
FCT71	7314150138821	356	25	1	290
FFSS-1.5-900FG	7311518275884	326	15	4	388
FGS-1.0-600	7311518123796	326	15	4	387
FGS-1.25-700	7311518123802	326	15	4	387
FGS-1.6-810	7311518123819	326	15	4	387
FGS-1.8-810	7311518123826	326	15	4	387
FM10	7311518010881	324	25	5	30
FP-3M	7311518168612	352	30	1	409
FS-5	7311518266455	334	35	10	412
FS-7.5	7311518266479	334	35	10	412
FS-8	7311518266462	334	35	10	412
G0313C03	7311518036096	346	15	1	38
G0313F03	7311518036072	346	15	1	38
G0313M03	7311518036089	346	15	1	38
G0313M03X	7311518182069	346	15	1	38
G0613M03X	7311518196592	346	15	1	38
G0618C06	7311518036140	346	15	1	38
G0618F06	7311518036102	346	15	1	38
G0618M06	7311518036119	346	15	1	38
G0618M06X	7311518036133	346	15	1	38
G0645M4.9X	7311518195380	346	15	1	40
G0820C06	7311518172572	346	15	1	38
G0820F06	7311518036157	346	15	1	38
G0820M06	7311518036164	346	15	1	38
G0820M06X	7311518036188	346	15	1	38
G0845M6.6X	7311518195403	346	15	1	40
G1020C06	7311518036249	346	15	1	38
G1020F06	7311518036201	346	15	1	38
G1020M06	7311518036218	346	15	1	38
G1020M06X	7311518036232	346	15	1	38
G1050M8.3X	7311518195397	346	15	1	40
G1225C06	7311518036348	346	15	1	38
G1225C08	7311518036386	346	15	1	38
G1225F06	7311518036300	346	15	1	38
G1225F08	7311518036355	346	15	1	38
G1225M06	7311518036317	346	15	1	38
G1225M06X	7311518036331	346	15	1	38
G1225M08	7311518036362	346	15	1	38
G1225M08X	7311518188009	346	15	1	38
G1625C06	7311518192662	346	15	1	38
G1625C08	7311518036430	346	15	1	38
G1625F06	7311518192655	346	15	1	38
G1625F08	7311518036393	346	15	1	38
G1625M06	7311518192648	346	15	1	38
G1625M06X	7311518187415	346	15	1	38
G1625M08	7311518036409	346	15	1	38
G1625M08X	7311518036423	346	15	1	38
GL008-10	7314150167050	348	20	6	306



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GL008-8	7314150167043	348	20	6	306
GL010-10	7314150167098	348	20	6	306
GL010-8	7314150167081	348	20	6	306
GL012-10	7314150167104	348	20	6	306
GL012-8	7314150167111	348	20	6	306
GS-180-F	7311518275488	352	25	6	411
GS-76	7311518010782	352	25	6	411
H0613M03X	7311518196615	346	15	1	38
H1025C06	7311518182328	346	15	1	38
H1025F06	7311518182335	346	15	1	38
H1025M06	7311518182304	346	15	1	38
H1025M06X	7311518182311	346	15	1	38
H1025M08	7311518273439	346	15	1	38
H1232M06	7311518182076	346	15	1	38
H1232M06X	7311518181758	346	15	1	38
H1635C06	7311518192754	346	15	1	38
H1635C08	7311518192785	346	15	1	38
H1635F06	7311518192747	346	15	1	38
H1635F08	7311518192778	346	15	1	38
H1635M06	7311518192730	346	15	1	38
H1635M06X	7311518187422	346	15	1	38
H1635M08	7311518182083	346	15	1	38
H1635M08X	7311518182090	346	15	1	38
HFGPS-0,7-400FG	7311518275877	326	15	4	387
HGPS-0,6-360	7311518123680	326	15	4	387
HGPS-0,8-380	7311518123697	326	15	4	387
HGPS-1,0-400	7311518123703	326	15	4	387
HRFM10	7311518010898	324	25	5	30
HS6000	7314150113781	340	10	10	421
HSSG-A0616M	7311518023379	346	15	1	40
HSSG-A0616M-S	7311518022501	346	15	1	40
HSSG-A1020M	7311518023386	346	15	1	40
HSSG-A1020M-S	7311518022518	346	15	1	40
HSSG-A1225EC	7311518023409	346	15	1	40
HSSG-A1225EC-S	7311518022532	346	15	1	40
HSSG-A1225M	7311518023393	346	15	1	40
HSSG-A1225M-S	7311518022525	346	15	1	40
HSSG-A1625M	7311518023416	346	15	1	40
HSSG-A1625M-S	7311518022549	346	15	1	40
HSSG-C0616M	7311518023423	346	15	1	40
HSSG-C0616M-S	7311518022556	346	15	1	40
HSSG-C1020M	7311518023430	346	15	1	40
HSSG-C1020M-S	7311518022563	346	15	1	40
HSSG-C1225EC	7311518023454	346	15	1	40
HSSG-C1225EC-S	7311518022587	346	15	1	40
HSSG-C1225M	7311518023447	346	15	1	40
HSSG-C1225M-S	7311518022570	346	15	1	40
HSSG-D0606M	7311518023461	346	15	1	40
HSSG-D0606M-S	7311518022594	346	15	1	40
HSSG-D0807M	7311518023478	346	15	1	40
HSSG-D0807M-S	7311518022600	346	15	1	40
HSSG-D1009M	7311518023485	346	15	1	40
HSSG-D1009M-S	7311518022617	346	15	1	40
HSSG-D1211EC	7311518023508	346	15	1	40
HSSG-D1211EC-S	7311518022631	346	15	1	40
HSSG-D1211M	7311518023492	346	15	1	40
HSSG-D1211M-S	7311518022624	346	15	1	40
HSSG-D1614M	7311518023515	346	15	1	40
HSSG-E0614M	7311518023522	346	15	1	40
HSSG-E1222EC	7311518023546	346	15	1	40
HSSG-E1222EC-S	7311518022679	346	15	1	40
HSSG-E1222M	7311518023539	346	15	1	40
HSSG-E1222M-S	7311518022662	346	15	1	40
HSSG-E1625M	7311518023553	346	15	1	40
HSSG-E1625M-S	7311518022686	346	15	1	40
HSSG-F0618M	7311518023560	346	15	1	41
HSSG-F0618M-S	7311518022693	346	15	1	41
HSSG-F1225M	7311518023577	346	15	1	41
HSSG-F1225M-S	7311518022709	346	15	1	41
HSSG-F1625M	7311518023584	346	15	1	41
HSSG-G0618M	7311518023591	346	15	1	41
HSSG-G0618M-S	7311518022716	346	15	1	41
HSSG-G0645MX	7311518195496	346	15	1	40
HSSG-G1220M	7311518023607	346	15	1	41
HSSG-G1220M-S	7311518022723	346	15	1	41
HSSG-G1225EC	7311518023621	346	15	1	41
HSSG-G1225M	7311518023614	346	15	1	41
HSSG-G1225M-S	7311518022730	346	15	1	41
HSSG-M0618M	7311518023638	346	15	1	41



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HSSG-M0618M-S	7311518022754	346	15	1	41
HSSG-M1227M	7311518023645	346	15	1	41
HSSG-M1227M-S	7311518022761	346	15	1	41
HSSG-N1230M	7311518188016	346	15	1	41
HSSG-O1218M	7311518188030	346	15	1	41
HSSG-P0622M	7311518188054	346	15	1	41
HSSG-P1230M	7311518188078	346	15	1	41
HUS-0,6-380	7311518123659	326	15	4	387
HUS-0,8-500	7311518123666	326	15	4	387
HUS-1,0-650	7311518123673	326	15	4	387
IZO-D-135	7314151845827	360	20	1	106
IZO-D-200	7314151846831	360	20	1	106
IZO-D-30	7314151846824	360	20	1	106
IZO-D-340	7314151846848	360	20	1	106
IZO-DAG-135	7314153016270	360	20	1	106
IZO-DM-135	7314151848200	360	20	1	106
IZO-DM-200	7314151846916	360	20	1	106
IZO-DM-30	7314151846909	360	20	1	106
IZO-DM-340	7314151846923	360	20	1	106
IZO-DR-810	7314151846817	360	20	1	106
IZO-DRM-810	7314151846893	360	20	1	106
J0604C06	7311518036515	346	15	1	38
J0604F06	7311518036492	346	15	1	38
J0604M06	7311518036508	346	15	1	38
J1010C06	7311518036553	346	15	1	38
J1010F06	7311518036522	346	15	1	38
J1010M06	7311518172473	346	15	1	38
J1212M06	7311518036577	346	15	1	38
J1616C06	7311518192822	346	15	1	38
J1616C08	7311518036638	346	15	1	38
J1616F06	7311518192815	346	15	1	38
J1616F08	7311518036607	346	15	1	38
J1616M06	7311518187439	346	15	1	38
J1616M08	7311518036614	346	15	1	38
K-AP-1	7311518030117	334	13	10	371
K-GP-1	7311518030131	334	13	10	371
K0602C06	7311518036669	346	15	1	38
K0602F06	7311518036645	346	15	1	38
K0602M06	7311518036652	346	15	1	38
K1008C06	7311518036706	346	15	1	38
K1008F06	7311518036676	346	15	1	38
K1008M06	7311518036683	346	15	1	38
K1210C06	7311518036744	346	15	1	38
K1210F06	7311518036713	346	15	1	38
K1210M06	7311518036720	346	15	1	38
K1612C06	7311518193973	346	15	1	38
K1612C08	7311518036782	346	15	1	38
K1612F06	7311518193966	346	15	1	38
K1612F08	7311518036751	346	15	1	38
K1612M06	7311518193959	346	15	1	38
K1612M08	7311518036768	346	15	1	38
K18NF-2	7314151347161	350	50	5	132
K19P2D-2M5	7314151693237	350	50	10	132
K19P2D-2NF	7314151586157	350	50	10	132
K20TORX-T25	7314151825799	350	50	10	132
K560F-1	7314151825492	354	35	5	112
K560F-2	7314151825324	354	35	5	113
K560F-3	7314151825331	354	35	5	113
K560F-4	7314151825348	354	35	5	115
K560F-5	7314151825355	354	35	5	115
K560F-6	7314151825362	354	35	5	117
K560F-7	7314151825379	354	35	5	118
K560F-8	7314151825508	354	35	5	118
K560F-9	7314151846688	354	35	5	120
K66100-1/4	7314150204540	350	52	1	130
K66100-3/8	7314150204564	350	52	1	130
K6625-1/4	7314150204496	350	52	1	130
K6638-3/8	7314150204557	350	52	1	130
K6650-1/2	7314150204519	350	52	1	130
K6650-1/4	7314150204526	350	52	1	130
K6650-1/4-1P	7314150204533	350	52	1	130
K6650-3/8	7314150204502	350	52	1	130
K6660-QR-1P	7314150204571	350	52	1	130
K6701M-10	7314151778149	354	30	1	112
K6701M-11	7314151778224	354	30	1	112
K6701M-12	7314151811891	354	30	1	112
K6701M-13	7314151778491	354	30	1	112
K6701M-14	7314151844172	354	30	1	112
K6701M-6	7314151813260	354	30	1	112





	ACCOUNT	SUBGROUP			
K6701M-7	7314151777920	354	30	1	112
K6701M-8	7314151778064	354	30	1	112
K6701M-9	7314151815110	354	30	1	112
K6750-1/4	7314150204663	350	48	1	130
K6750-10	7314150204700	350	48	1	130
K6750-13	7314150204823	350	48	1	130
K6750-3/8	7314150204656	350	48	1	130
K6750-6	7314150204670	350	48	1	130
K6750-7	7314150204687	350	48	1	130
K6750-8	7314150204694	350	48	1	130
K6964C	7314151215170	354	35	1	112
K7401M-10	7314151780128	354	30	1	112
K7401M-11	7314151780395	354	30	1	112
K7401M-12	7314151811907	354	30	1	112
K7401M-13	7314151780470	354	30	1	112
K7401M-14	7314151780555	354	30	1	112
K7401M-15	7314151812140	354	30	1	112
K7401M-16	7314151780630	354	30	1	112
K7401M-17	7314151780715	354	30	1	112
K7401M-18	7314151812157	354	30	1	112
K7401M-19	7314151812164	354	30	1	112
K7401M-20	7314151844271	354	30	1	112
K7401M-21	7314151845216	354	30	1	112
K7401M-22	7314151845223	354	30	1	112
K7401M-24	7314151844295	354	30	1	112
K7401M-7	7314151812126	354	30	1	112
K7401M-8	7314151780043	354	30	1	112
K7401M-9	7314151812133	354	30	1	112
K7406M-10	7314151844479	354	30	1	112
K7406M-13	7314151844486	354	30	1	112
K7406M-17	7314151844493	354	30	1	112
K7760C-1	7314151222369	354	35	1	112
K7760C-2	7314151222376	354	35	1	112
K7764D	7314151222475	354	35	1	115
K7767S	7314151222512	354	35	1	112
K7801M-10	7314151778576	354	30	1	113
K7801M-11	7314151778651	354	30	1	113
K7801M-12	7314151815790	354	30	1	113
K7801M-13	7314151778736	354	30	1	113
K7801M-14	7314151778811	354	30	1	113
K7801M-15	7314151815806	354	30	1	113
K7801M-16	7314151779030	354	30	1	113
K7801M-17	7314151779115	354	30	1	113
K7801M-18	7314151779382	354	30	1	113
K7801M-19	7314151779467	354	30	1	113
K7801M-20	7314151844509	354	30	1	113
K7801M-21	7314151779542	354	30	1	113
K7801M-22	7314151779627	354	30	1	113
K7801M-23	7314151844516	354	30	1	113
K7801M-24	7314151779894	354	30	1	113
K7801M-25	7314151844523	354	30	1	113
K7801M-26	7314151844530	354	30	1	113
K7801M-27	7314151779979	354	30	1	113
K7801M-30	7314151811914	354	30	1	113
K7801M-32	7314151825157	354	30	1	113
K7801M-34	7314151844547	354	30	1	113
K7801M-36	7314151844554	354	30	1	113
K7801M-8	7314151845230	354	30	1	113
K7801M-9	7314151845247	354	30	1	113
K7801TORX-E10	7314151811587	354	30	1	114
K7801TORX-E12	7314151811594	354	30	1	114
K7801TORX-E14	7314151811600	354	30	1	114
K7801TORX-E16	7314151811617	354	30	1	114
K7801TORX-E18	7314151811624	354	30	1	114
K7801TORX-E20	7314151811631	354	30	1	114
K7801TORX-E24	7314151811648	354	30	1	114
K7801VM-17	7314151781521	354	30	1	113
K7801VM-19	7314151781798	354	30	1	113
K7801VM-22	7314151781873	354	30	1	113
K7801VM-24	7314151781958	354	30	1	113
K7801VM/S4	7314151799090	354	30	1	113
K7801Z-1	7314151844639	354	30	1	114
K7801Z-1.1/16	7314151844646	354	30	1	114
K7801Z-1.1/2	7314150137701	354	30	5	114
K7801Z-1.1/4	7314151844660	354	30	1	114
K7801Z-1.1/8	7314151844653	354	30	1	114
K7801Z-1.3/8	7314150137688	354	30	5	114
K7801Z-1.5/16	7314150137671	354	30	5	114
K7801Z-1.7/16	7314150137695	354	30	5	114



	ACCOUNT	SUBGROUP			
K7801Z-1/2	7314151822620	354	30	1	114
K7801Z-11/16	7314151844592	354	30	1	114
K7801Z-13/16	7314151844608	354	30	1	114
K7801Z-15/16	7314151844622	354	30	1	114
K7801Z-3/4	7314151822668	354	30	1	114
K7801Z-3/8	7314151822606	354	30	1	114
K7801Z-5/8	7314151844585	354	30	1	114
K7801Z-7/16	7314151844561	354	30	1	114
K7801Z-7/8	7314151844615	354	30	1	114
K7801Z-9/16	7314151822637	354	30	1	114
K7801Z/10	7314150165018	354	30	1	114
K7806M-10	7314151844677	354	30	1	113
K7806M-11	7314151844684	354	30	1	113
K7806M-12	7314151844691	354	30	1	113
K7806M-13	7314151805944	354	30	1	113
K7806M-14	7314151844707	354	30	1	113
K7806M-16	7314151844714	354	30	1	113
K7806M-17	7314151805951	354	30	1	113
K7806M-18	7314151844721	354	30	1	113
K7806M-19	7314151805968	354	30	1	113
K7806M-21	7314151823597	354	30	1	113
K7806M-22	7314151805975	354	30	1	113
K7806M-23	7314151844738	354	30	1	113
K7806M-24	7314151805982	354	30	1	113
K7806M-27	7314151805999	354	30	1	113
K7806M-30	7314151844578	354	30	1	113
K7806M-32	7314150220304	354	30	1	113
K7806M-36	7314150220311	354	30	1	113
K7806M/S4	7314151813222	354	30	1	114
K7806Z-1	7314150137817	354	30	5	114
K7806Z-1.1/16	7314150137824	354	30	5	114
K7806Z-1.1/2	7314150137886	354	30	5	114
K7806Z-1.1/4	7314150137848	354	30	5	114
K7806Z-1.1/8	7314150137831	354	30	5	114
K7806Z-1.3/8	7314150137862	354	30	5	114
K7806Z-1.5/16	7314150137855	354	30	5	114
K7806Z-1.7/16	7314150137879	354	30	5	114
K7806Z-1/2	7314150137749	354	30	10	114
K7806Z-11/16	7314150137770	354	30	5	114
K7806Z-13/16	7314150137794	354	30	5	114
K7806Z-15/16	7314150137718	354	30	5	114
K7806Z-3/4	7314150137787	354	30	5	114
K7806Z-3/8	7314150137725	354	30	10	114
K7806Z-5/8	7314150137763	354	30	5	114
K7806Z-7/16	7314150137732	354	30	10	114
K7806Z-7/8	7314150137800	354	30	5	114
K7806Z-9/16	7314150137756	354	30	10	114
K7806Z/10	7314150165025	354	30	1	114
K8160D-1	7314151237400	354	35	1	115
K8160D-2	7314151237417	354	35	1	115
K8160D-3	7314151237424	354	35	1	115
K8164C	7314151237523	354	35	1	112
K8164F	7314151237554	354	35	1	117
K8167S	7314151237592	354	35	1	115
K8901M-17	7314151803155	354	30	1	115
K8901M-18	7314151844189	354	30	1	115
K8901M-19	7314151803162	354	30	1	115
K8901M-21	7314151803179	354	30	1	115
K8901M-22	7314151803186	354	30	1	115
K8901M-23	7314151803193	354	30	1	115
K8901M-24	7314151803209	354	30	1	115
K8901M-27	7314151803216	354	30	1	115
K8901M-28	7314151803223	354	30	1	115
K8901M-29	7314151803230	354	30	1	115
K8901M-30	7314151803247	354	30	1	115
K8901M-32	7314151803254	354	30	1	115
K8901M-33	7314151803261	354	30	1	115
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K8901M-36	7314151803285	354	30	1	115
K8901M-38	7314151803292	354	30	1	115
K8901M-41	7314151803308	354	30	1	115
K8901M-46	7314151803315	354	30	1	115
K8901M-50	7314151846398	354	30	1	115
K8901M-55	7314151846404	354	30	1	115
K8901M-60	7314151846411	354	30	1	115
K8901M/8	7314150165032	354	30	1	116
K8901Z-1	7314151844752	354	30	1	116
K8901Z-1.1/16	7314151844769	354	30	1	116
K8901Z-1.1/2	7314151844820	354	30	1	116

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K8901Z-1.1/4	7314151844783	354	30	1	116
K8901Z-1.1/8	7314151844776	354	30	1	116
K8901Z-1.11/16	7314150130269	354	30	1	116
K8901Z-1.15/16	7314150130290	354	30	1	116
K8901Z-1.3/16	7314150130245	354	30	1	116
K8901Z-1.3/4	7314151844844	354	30	1	116
K8901Z-1.3/8	7314151844806	354	30	1	116
K8901Z-1.5/16	7314151844790	354	30	1	116
K8901Z-1.5/8	7314151844837	354	30	1	116
K8901Z-1.7/16	7314151844813	354	30	1	116
K8901Z-1.7/8	7314150130283	354	30	1	116
K8901Z-11/16	7314150130238	354	30	1	116
K8901Z-13/16	7314151844226	354	30	1	116
K8901Z-15/16	7314151844745	354	30	1	116
K8901Z-2	7314150130306	354	30	1	116
K8901Z-2.1/16	7314150130313	354	30	1	116
K8901Z-2.1/4	7314150130344	354	30	1	116
K8901Z-2.3/16	7314150130337	354	30	1	116
K8901Z-2.3/8	7314150130351	354	30	1	116
K8901Z-3/4	7314151844202	354	30	1	116
K8901Z-7/8	7314151844301	354	30	1	116
K8901Z/8	7314150165049	354	30	1	116
K8906M-17	7314151803056	354	30	1	116
K8906M-19	7314151803063	354	30	1	116
K8906M-21	7314151844851	354	30	1	116
K8906M-22	7314151803070	354	30	1	116
K8906M-24	7314151803087	354	30	1	116
K8906M-27	7314151803094	354	30	1	116
K8906M-30	7314151803117	354	30	1	116
K8906M-32	7314151803124	354	30	1	116
K8906M-33	7314151844868	354	30	1	116
K8906M-34	7314151844875	354	30	1	116
K8906M-36	7314151803148	354	30	1	116
K8906M-41	7314151845254	354	30	1	116
K8906M-46	7314150220601	354	30	1	116
K8906M/8	7314150165056	354	30	1	116
K8906Z-1	7314150130436	354	30	1	116
K8906Z-1.1/16	7314150130443	354	30	1	116
K8906Z-1.1/2	7314150130511	354	30	1	116
K8906Z-1.1/4	7314150130474	354	30	1	116
K8906Z-1.1/8	7314150130450	354	30	1	116
K8906Z-1.3/4	7314150130559	354	30	1	116
K8906Z-1.3/8	7314150130498	354	30	1	116
K8906Z-1.5/16	7314150130481	354	30	1	116
K8906Z-1.5/8	7314150130535	354	30	1	116
K8906Z-1.7/16	7314150130504	354	30	1	116
K8906Z-13/16	7314150130405	354	30	1	116
K8906Z-15/16	7314150130429	354	30	1	116
K8906Z-2	7314150130580	354	30	1	116
K8906Z-3/4	7314150130399	354	30	1	116
K8906Z-7/8	7314150130412	354	30	1	116
K8906Z/8	7314150165063	354	30	1	116
K8909H-5	7314151619343	354	35	1	117
K8909ML-12	7314151232863	354	30	1	118
K8909ML-14	7314151232870	354	30	1	118
K8909ML-17	7314151232887	354	30	1	118
K8960F-2	7314151268138	354	35	1	116
K8960F-3	7314151268145	354	35	1	116
K8960F-4	7314150220625	354	30	10	116
K8964D	7314151268237	354	35	1	115
K8964G	7314151268268	354	35	1	118
K8967S	7314151268329	354	35	1	117
K9501M-22	7314151844882	354	30	1	117
K9501M-24	7314151802677	354	30	1	117
K9501M-27	7314151802684	354	30	1	117
K9501M-30	7314151802714	354	30	1	117
K9501M-32	7314151802721	354	30	1	117
K9501M-33	7314151802738	354	30	1	117
K9501M-34	7314151802745	354	30	1	117
K9501M-36	7314151802752	354	30	1	117
K9501M-38	7314151802769	354	30	1	117
K9501M-41	7314151802776	354	30	1	117
K9501M-42	7314151802783	354	30	1	117
K9501M-46	7314151802790	354	30	1	117
K9501M-50	7314151802806	354	30	1	117
K9501M-55	7314151802813	354	30	1	117
K9501M-60	7314151802820	354	30	1	117
K9501M-65	7314151802837	354	30	1	117
K9501M-70	7314151802844	354	30	1	117



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K9501M-80	7314151802868	354	30	1	117
K9501Z-1	7314151844912	354	30	1	117
K9501Z-1.1/16	7314150130634	354	30	1	117
K9501Z-1.1/2	7314151844943	354	30	1	117
K9501Z-1.1/4	7314151844929	354	30	1	117
K9501Z-1.1/8	7314150130641	354	30	1	117
K9501Z-1.11/16	7314150130696	354	30	1	117
K9501Z-1.13/16	7314151844967	354	30	1	117
K9501Z-1.15/16	7314150130719	354	30	1	117
K9501Z-1.3/16	7314150130658	354	30	1	117
K9501Z-1.3/4	7314150130702	354	30	1	117
K9501Z-1.3/8	7314150130672	354	30	1	117
K9501Z-1.5/16	7314150130665	354	30	1	117
K9501Z-1.5/8	7314151844950	354	30	1	117
K9501Z-1.7/16	7314151844936	354	30	1	117
K9501Z-1.7/8	7314151844974	354	30	1	117
K9501Z-1.9/16	7314150130689	354	30	1	117
K9501Z-2	7314150130726	354	30	1	117
K9501Z-2.1/4	7314150130764	354	30	1	117
K9501Z-2.1/8	7314150130740	354	30	1	117
K9501Z-2.3/16	7314150130757	354	30	1	117
K9501Z-2.3/4	7314150130832	354	30	1	117
K9501Z-2.5/16	7314150130771	354	30	1	117
K9501Z-2.9/16	7314150130801	354	30	1	117
K9506M-22	7314151844998	354	30	1	118
K9506M-24	7314151802530	354	30	1	118
K9506M-27	7314151802547	354	30	1	118
K9506M-30	7314151802554	354	30	1	118
K9506M-32	7314151802561	354	30	1	118
K9506M-33	7314151802578	354	30	1	118
K9506M-34	7314151845018	354	30	1	118
K9506M-36	7314151802585	354	30	1	118
K9506M-38	7314151802592	354	30	1	118
K9506M-41	7314151802608	354	30	1	118
K9506M-46	7314151802615	354	30	1	118
K9506M-50	7314151802622	354	30	1	118
K9506M-55	7314151802639	354	30	1	118
K9506M-60	7314151802646	354	30	1	118
K9506Z-1	7314150131686	354	30	1	118
K9506Z-1.1/16	7314150131693	354	30	1	118
K9506Z-1.1/2	7314150131761	354	30	1	118
K9506Z-1.1/4	7314150131723	354	30	1	118
K9506Z-1.13/16	7314150131808	354	30	1	118
K9506Z-1.3/16	7314150131716	354	30	1	118
K9506Z-1.5/8	7314150131785	354	30	1	118
K9506Z-1.7/16	7314150131754	354	30	1	118
K9506Z-1.7/8	7314150131815	354	30	1	118
K9509H5	7314151619428	354	35	1	118
K9509ML-19	7314151618964	354	30	1	118
K9509ML-22	7314151619183	354	30	1	118
K9509ML-24	7314151619268	354	30	1	118
K9560G-1	7314151285944	354	35	1	118
K9560G-2	7314151285951	354	35	1	118
K9560G-3	7314151285968	354	35	1	118
K9560G-4	7314150133970	354	35	6	118
K9560G-5	7314150133987	354	35	1	118
K9564F	7314151286026	354	35	1	117
K9567S	7314151286095	354	35	1	118
K9598H	7314150133956	354	35	1	120
K9801M-100	7314151845162	354	30	1	119
K9801M-105	7314151845179	354	30	1	119
K9801M-110	7314151845186	354	30	1	119
K9801M-115	7314151845193	354	30	1	119
K9801M-120	7314151845209	354	30	1	119
K9801M-125	7314150167159	354	30	1	119
K9801M-130	7314150167166	354	30	1	119
K9801M-135	7314150167173	354	30	1	119
K9801M-140	7314150167180	354	30	1	119
K9801M-145	7314150167197	354	30	1	119
K9801M-150	7314150167203	354	30	1	119
K9801M-155	7314150167210	354	30	1	119
K9801M-46	7314151845056	354	30	1	119
K9801M-50	7314151845063	354	30	1	119
K9801M-55	7314151845070	354	30	1	119
K9801M-60	7314151845087	354	30	1	119
K9801M-65	7314151845094	354	30	1	119
K9801M-70	7314151845100	354	30	1	119
K9801M-75	7314151845117	354	30	1	119





K9801M-80	7314151845124	354	30	1	119
K9801M-85	7314151845131	354	30	1	119
K9801M-90	7314151845148	354	30	1	119
K9801M-95	7314151845155	354	30	1	119
K9801Z-1.1/2	7314150131976	354	30	1	119
K9801Z-1.11/16	7314150132003	354	30	1	119
K9801Z-1.13/16	7314150132027	354	30	1	119
K9801Z-1.15/16	7314150132041	354	30	1	119
K9801Z-1.3/4	7314150132010	354	30	1	119
K9801Z-1.3/8	7314150131952	354	30	1	119
K9801Z-1.5/8	7314150131990	354	30	1	119
K9801Z-1.7/16	7314150131969	354	30	1	119
K9801Z-1.7/8	7314150132034	354	30	1	119
K9801Z-1.9/16	7314150131983	354	30	1	119
K9801Z-2	7314150132058	354	30	1	119
K9801Z-2.1/16	7314150132065	354	30	1	119
K9801Z-2.1/2	7314150132133	354	30	1	119
K9801Z-2.1/4	7314150132096	354	30	1	119
K9801Z-2.1/8	7314150132072	354	30	1	119
K9801Z-2.11/16	7314150132164	354	30	1	119
K9801Z-2.13/16	7314150132188	354	30	1	119
K9801Z-2.15/16	7314150132201	354	30	1	119
K9801Z-2.3/16	7314150132089	354	30	1	119
K9801Z-2.3/4	7314150132171	354	30	1	119
K9801Z-2.3/8	7314150132119	354	30	1	119
K9801Z-2.5/16	7314150132102	354	30	1	119
K9801Z-2.5/8	7314150132157	354	30	1	119
K9801Z-2.7/16	7314150132126	354	30	1	119
K9801Z-2.7/8	7314150132195	354	30	1	119
K9801Z-2.9/16	7314150132140	354	30	1	119
K9801Z-3	7314150132218	354	30	1	119
K9801Z-3.1/16	7314150132225	354	30	1	119
K9801Z-3.1/2	7314150132287	354	30	1	119
K9801Z-3.1/4	7314150132249	354	30	1	119
K9801Z-3.1/8	7314150132232	354	30	1	119
K9801Z-3.11/16	7314150132317	354	30	1	119
K9801Z-3.13/16	7314150132331	354	30	1	119
K9801Z-3.15/16	7314150132355	354	30	1	119
K9801Z-3.3/4	7314150132324	354	30	1	119
K9801Z-3.3/8	7314150132263	354	30	1	119
K9801Z-3.5/16	7314150132256	354	30	1	119
K9801Z-3.5/8	7314150132300	354	30	1	119
K9801Z-3.7/16	7314150132270	354	30	1	119
K9801Z-3.7/8	7314150132348	354	30	1	119
K9801Z-3.9/16	7314150132294	354	30	1	119
K9801Z-4	7314150132362	354	30	1	119
K9801Z-4.1/16	7314150132379	354	30	1	119
K9801Z-4.1/2	7314150132430	354	30	1	119
K9801Z-4.1/4	7314150132393	354	30	1	119
K9801Z-4.1/8	7314150132386	354	30	1	119
K9801Z-4.3/4	7314150132454	354	30	1	119
K9801Z-4.3/8	7314150132416	354	30	1	119
K9801Z-4.5/16	7314150132409	354	30	1	119
K9801Z-4.5/8	7314150132447	354	30	1	119
K9801Z-4.7/16	7314150132423	354	30	1	119
K9806M-100	7314150131105	354	30	1	119
K9806M-105	7314150131112	354	30	1	119
K9806M-110	7314150131129	354	30	1	119
K9806M-115	7314150131136	354	30	1	119
K9806M-120	7314150131143	354	30	1	119
K9806M-41	7314150130986	354	30	1	119
K9806M-46	7314150130993	354	30	1	119
K9806M-50	7314150131006	354	30	1	119
K9806M-55	7314150131013	354	30	1	119
K9806M-60	7314150131020	354	30	1	119
K9806M-65	7314150131037	354	30	1	119
K9806M-70	7314150131044	354	30	1	119
K9806M-75	7314150131051	354	30	1	119
K9806M-80	7314150131068	354	30	1	119
K9806M-85	7314150131075	354	30	1	119
K9806M-90	7314150131082	354	30	1	119
K9806M-95	7314150131099	354	30	1	119
K9806Z-1.1/2	7314150131174	354	30	1	119
K9806Z-1.11/16	7314150131198	354	30	1	119
K9806Z-1.3/8	7314150131150	354	30	1	119
K9806Z-1.5/8	7314150131181	354	30	1	119
K9806Z-1.7/16	7314150131167	354	30	1	119
K9806Z-2	7314150131204	354	30	1	119
K9806Z-2.1/16	7314150131211	354	30	1	119



K9806Z-2.1/2	7314150131273	354	30	1	119
K9806Z-2.1/4	7314150131235	354	30	1	119
K9806Z-2.11/16	7314150131303	354	30	1	119
K9806Z-2.13/16	7314150131327	354	30	1	119
K9806Z-2.15/16	7314150131341	354	30	1	119
K9806Z-2.3/16	7314150131228	354	30	1	119
K9806Z-2.3/4	7314150131310	354	30	1	119
K9806Z-2.3/8	7314150131259	354	30	1	119
K9806Z-2.5/16	7314150131242	354	30	1	119
K9806Z-2.5/8	7314150131297	354	30	1	119
K9806Z-2.7/16	7314150131266	354	30	1	119
K9806Z-2.7/8	7314150131334	354	30	1	119
K9806Z-2.9/16	7314150131280	354	30	1	119
K9806Z-3	7314150131358	354	30	1	119
K9806Z-3.1/16	7314150131365	354	30	1	119
K9806Z-3.1/2	7314150131433	354	30	1	119
K9806Z-3.1/4	7314150131396	354	30	1	119
K9806Z-3.1/8	7314150131372	354	30	1	119
K9806Z-3.11/16	7314150131464	354	30	1	119
K9806Z-3.13/16	7314150131488	354	30	1	119
K9806Z-3.15/16	7314150131501	354	30	1	119
K9806Z-3.3/16	7314150131389	354	30	1	119
K9806Z-3.3/4	7314150131471	354	30	1	119
K9806Z-3.3/8	7314150131419	354	30	1	119
K9806Z-3.5/16	7314150131402	354	30	1	119
K9806Z-3.5/8	7314150131457	354	30	1	119
K9806Z-3.7/16	7314150131426	354	30	1	119
K9806Z-3.7/8	7314150131495	354	30	1	119
K9806Z-3.9/16	7314150131440	354	30	1	119
K9806Z-4	7314150131518	354	30	1	119
K9806Z-4.1/16	7314150131525	354	30	1	119
K9806Z-4.1/2	7314150131570	354	30	1	119
K9806Z-4.1/4	7314150131549	354	30	1	119
K9806Z-4.1/8	7314150131532	354	30	1	119
K9806Z-4.3/4	7314150131594	354	30	1	119
K9806Z-4.3/8	7314150131563	354	30	1	119
K9806Z-4.5/16	7314150131556	354	30	1	119
K9806Z-4.5/8	7314150131587	354	30	1	119
K9860H-1	7314150133994	354	35	1	120
K9860H-2	7314150134007	354	35	1	120
K9860H-3	7314150134014	354	35	1	120
K9867S	7314150133932	354	35	1	120
K9895G	7314150133949	354	35	1	118
K9899H	7314150166763	354	35	1	120
K9998H	7314150133963	354	35	1	120
KB09-01	7314150196968	334	10	5	369
KB18-01	7314150196944	334	10	5	370
KBFU-01	7314150196913	334	10	5	368
KBGH-5P	7314150213412	334	15	20	369
KBGR-5P	7314150213429	334	15	20	369
KBGU-100P	7314150213405	334	15	100	369
KBGU-10P	7314150213382	334	15	20	369
KBGU-5P	7314150213399	334	15	20	369
KBRU-01	7314150196876	334	10	5	368
KBSK-01	7314150196999	334	10	5	369
KBSU-01	7314150197002	334	10	5	369
KBTU-01	7314150196982	334	10	5	368
KCB753	7314150204915	350	52	1	131
KE18-01	7314150196937	334	10	5	368
KEFU-01	7314150196906	334	10	5	367
KERU-01	7314150196869	334	10	5	367
KG09-01	7314150196975	334	10	5	370
KG09-01-3P	7314150213962	334	10	10	370
KG18-01	7314150196951	334	10	5	370
KGFU-01	7314150196920	334	10	5	368
KGRU-01	7314150196883	334	10	5	368
KGRU-02	7314150196890	334	10	5	368
KGSU-01	7314150197019	334	10	5	369
KM100-SH	7314150215690	350	52	1	131
KM653	7314151786915	350	52	1	131
KM653-QR	7314150115983	350	52	1	131
KM653-QR-1P	7314151848507	350	52	1	131
KM653-SF	7314150204984	350	52	1	132
KM6701M-10	7314151844264	354	30	1	112
KM6701M-7	7314151844240	354	30	1	112
KM6701M-8	7314151844257	354	30	1	112
KM6750-1/4	7314150204595	350	48	1	130
KM6750-10	7314150204649	350	52	1	130
KM6750-13	7314150204632	350	52	1	130



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KM6750-3/8	7314150204588	350	48	1	130
KM6750-6	7314150204601	350	48	1	130
KM6750-7	7314150204618	350	52	1	130
KM6750-8	7314150204625	350	52	1	130
KM753-QR-1P	7314150204830	350	52	1	131
KMR150	7314150204960	350	52	1	131
KMR150-1P	7314150204977	350	52	1	131
KMR653	7314150204922	350	52	1	131
KMR653-1P	7314150204939	350	52	1	131
KMR753	7314150204946	350	52	1	131
KMR753-1P	7314150204953	350	52	1	131
KMU-01	7314150197026	334	10	5	368
KR653	7314150204885	350	52	1	130
KSBG09-10P	7314150213467	334	15	60	370
KSBG18-10P	7314150213436	334	15	20	370
KSR753	7314150204892	350	52	1	131
KSR753-1P	7314150204908	350	52	1	131
KUBG09-5P	7314150213450	334	15	60	370
KUBG18-5P	7314150213443	334	15	20	370
L1020C06	7311518182113	346	15	1	38
L1020F06	7311518182106	346	15	1	38
L1020M06	7311518133665	346	15	1	38
L1020M06X	7311518136369	346	15	1	38
L1225F06	7311518192860	346	15	1	38
L1225M06	7311518132774	346	15	1	38
L1225M06X	7311518136875	346	15	1	38
L1230AL06	7311518187668	346	15	1	39
L1230AL08	7311518181871	346	15	1	39
L1230C06	7311518182120	346	15	1	38
L1230F06	7311518182137	346	15	1	38
L1230M06	7311518182168	346	15	1	38
L1230M06X	7311518182175	346	15	1	38
L1630C06	7311518192938	346	15	1	38
L1630C08	7311518182144	346	15	1	38
L1630F06	7311518192921	346	15	1	38
L1630F08	7311518182151	346	15	1	38
L1630M06	7311518192914	346	15	1	38
L1630M06X	7311518187446	346	15	1	38
L1630M08	7311518182205	346	15	1	38
L1630M08X	7311518136833	346	15	1	38
LA010	7314150125821	312	40	12	265
LAP-KNIFE	7311518216443	330	20	10	355
LOCKING-B	7311518222406	352	30	1	410
LOCKING-S	7311518222390	352	30	1	410
LS-6060-23	7311518041311	352	35	1	415
LS-6160-23	7311518041304	352	35	1	415
LS-COIN 19 CM	7311518031077	326	15	4	389
LS-COMBINESS	7311518041366	352	35	1	414
LS-MASSE-4	7311518012014	326	15	2	388
LS-MASSE-4FG	7311518275891	326	15	2	388
LS-MASSE-TR-4FG	7311518281106	326	15	2	388
LS-MERLIN-2.5	7311518012069	326	15	2	388
LS-MERLIN-2.5FG	7311518281113	326	15	2	388
LS-NATURAL	7311518224622	352	35	1	414
LS-PIERRE CORINDON	7311518009977	352	35	1	414
LS-PIERRE-FAUX	7311518009038	352	35	1	415
LS-TRIANGLE	7311518224653	352	35	1	414
LTB-10	7314150120048	336	15	6	334
LTB-10-E	7314150120055	336	15	6	334
LTB-20	7314150120062	336	15	6	334
LTB-20-E	7314150120079	336	15	6	334
LTB-30	7314150120086	336	15	6	334
LTB-30-E	7314150120093	336	15	6	334
LTG-10	7314150119981	336	15	6	334
LTG-10-E	7314150119998	336	15	6	334
LTG-20	7314150120000	336	15	6	334
LTG-20-E	7314150120017	336	15	6	334
LTG-30	7314150120024	336	15	6	334
LTG-30-E	7314150120031	336	15	6	334
LTS-100	7314150120147	336	15	5	334
LTS-100-E	7314150120154	336	15	5	334
LTS-30	7314150120109	336	15	5	334
LTS-30-E	7314150120116	336	15	5	334
LTS-50	7314150120123	336	15	5	334
LTS-50-E	7314150120130	336	15	5	334
M0310C03	7311518036812	346	15	1	38
M0310F03	7311518036799	346	15	1	38
M0310M03	7311518036805	346	15	1	38
M0310M03X	7311518197063	346	15	1	38



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M0613M03X	7311518196622	346	15	1	38
M0618C06	7311518036867	346	15	1	38
M0618F06	7311518036829	346	15	1	38
M0618M06	7311518036836	346	15	1	38
M0618M06X	7311518036850	346	15	1	38
M1022C06	7311518036911	346	15	1	39
M1022F06	7311518036874	346	15	1	38
M1022M06	7311518036881	346	15	1	38
M1022M06D	7311518210762	346	15	1	39
M1022M06X	7311518036904	346	15	1	39
M1227C06	7311518036966	346	15	1	39
M1227C08	7311518192983	346	15	1	39
M1227F06	7311518036935	346	15	1	39
M1227F08	7311518036973	346	15	1	39
M1227M06	7311518036928	346	15	1	39
M1227M06X	7311518036959	346	15	1	39
M1227M08	7311518036980	346	15	1	39
M1227M08X	7311518192990	346	15	1	39
M126	7311518160920	340	70	4	365
M1630C06	7311518193034	346	15	1	39
M1630C08	7311518037093	346	15	1	39
M1630F06	7311518193027	346	15	1	39
M1630F08	7311518037055	346	15	1	39
M1630M06	7311518193010	346	15	1	39
M1630M06X	7311518187453	346	15	1	39
M1630M08	7311518037062	346	15	1	39
M1630M08X	7311518037086	346	15	1	39
M227L	7311518160883	340	70	4	365
M227R	7311518160869	340	70	4	365
M330	7311518160906	340	70	4	365
M526	7311518160982	340	70	4	365
M6376	7311518196486	340	70	1	366
M6376-SH	7311518199296	340	70	1	366
M676	7311518161088	340	70	1	367
M676-SH	7311518211875	340	70	1	367
M722	7311518160937	340	70	4	365
M726	7311518160944	340	70	4	365
M730	7311518160968	340	70	2	365
M780	7314151826215	350	46	1	169
M781	7314153016218	350	46	5	169
M926	7311518161071	340	70	1	367
M926-SH	7314150107537	340	70	1	367
MA225	7311518161057	340	70	4	364
MA225L	7311518161033	340	70	4	364
MA225R	7311518161040	340	70	4	364
MA311	7314150181568	340	70	1	364
MA321	7314150181551	340	70	1	364
MA325	7311518161064	340	70	4	364
MA351	7314150181582	340	70	1	364
MA361	7314150181575	340	70	1	364
MA401	7314150167593	340	70	1	364
MA411	7314150167609	340	70	1	364
MA421	7314150167616	340	70	4	364
MA431	7314150181544	340	70	1	364
MA500-1	7314150112395	360	25	1	429
MA500-2	7314150112401	360	25	1	429
MA500-3	7314150112418	360	25	1	429
MAM50M	7314150215300	360	20	1	109
MCP-2.5-810	7311518124052	326	15	2	388
MES-3.0-900	7311518123864	326	15	2	388
MES-3.5-900	7311518123871	326	15	2	388
MES-3.5-900FG	7311518281120	326	15	2	388
MIX-C/T20/8	7314150166701	356	25	1	289
MIX-C/T20/8/E	7314150166718	356	25	1	289
MIX-H/T15/10	7314150136827	356	25	1	288
MIX-H/T15/E	7314150137244	356	25	1	288
MK5	7314150224333	366	30	1	60
MK9	7314150224326	366	30	1	61
MR126	7311518161019	340	70	4	365
MR227L	7311518161002	340	70	4	366
MR227R	7311518160999	340	70	4	366
MR340	7311518197537	340	70	2	366
MR726	7311518161026	340	70	4	366
MSR/T6/4	7314150136872	356	25	1	289
MSR/T6/E	7314150137282	356	25	1	289
MTB-3-16	7314150119066	336	15	6	334
MTB-3-16-E	7314150119134	336	15	6	334
MTB-3-16-M	7314150119073	336	15	6	334
MTB-3-16-M-E	7314150119141	336	15	6	334

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MTB-5-25	7314150119080	336	15	6	334
MTB-5-25-C1	7314150119127	336	15	6	334
MTB-5-25-E	7314150119172	336	15	6	334
MTB-5-25-M	7314150119097	336	15	6	334
MTB-5-25-M-E	7314150119158	336	15	6	334
MTB-8-25	7314150125418	336	15	6	334
MTB-8-25-E	7314150119202	336	15	6	334
MTB-8-25-M	7314150127078	336	15	6	334
MTG-3-16	7314150118984	336	15	12	334
MTG-3-16-E	7314150119028	336	15	12	334
MTG-5-19	7314150118991	336	15	12	334
MTG-5-19-E	7314150119035	336	15	12	334
MTS-5-25	7314150119233	336	15	6	334
MTS-5-25-E	7314150119271	336	15	6	334
MTS-8-25	7314150119257	336	15	6	334
MTS-8-25-E	7314150119295	336	15	6	334
MTT151	7314150120703	334	25	6	371
MW-150	7314150125685	336	15	2	334
MW-250	7314150125678	336	15	2	334
N0306C03	7311518193065	346	15	1	39
N0306F03	7311518193058	346	15	1	39
N0306M03	7311518182212	346	15	1	39
N0306M03E	7311518182229	346	15	1	39
N0607C06	7311518193089	346	15	1	39
N0607F06	7311518193072	346	15	1	39
N0607M06	7311518182236	346	15	1	39
N0607M06E	7311518182243	346	15	1	39
N1213C06	7311518193102	346	15	1	39
N1213F06	7311518193096	346	15	1	39
N1213M06	7311518134570	346	15	1	39
N1213M06E	7311518182250	346	15	1	39
N1213M06X	7311518237172	346	15	1	39
N1613C06	7311518193133	346	15	1	39
N1613C08	7311518193157	346	15	1	39
N1613F06	7311518193126	346	15	1	39
N1613F08	7311518193140	346	15	1	39
N1613M06	7311518136000	346	15	1	39
N1613M06E	7311518193119	346	15	1	39
N1613M06X	7311518204525	346	15	1	39
N1613M08	7311518182267	346	15	1	39
N1613M08E	7311518182274	346	15	1	39
NP-12-COM	7311518264277	330	10	4	354
NP-12-TEN	7311518263959	330	10	10	354
NP-12-VEN	7311518264260	330	10	10	354
NP-16-U7/8-HP	7311518241773	330	10	4	354
NP-19-U7/8-HP	7311518241452	330	10	10	354
NP-22-U7/8-HP	7311518034399	330	10	10	354
NP-CONC	7311518264918	330	10	2	354
NP-CONC-17/34	7311518264925	330	10	2	354
P-HB	7314150125272	336	10	25	337
P-HB-240	7314150225613	336	10	25	337
P1-20	7311518044572	352	10	5	402
P1-23	7311518332501	352	10	5	402
P108-20-F	7311518275518	352	10	2	402
P108-23-F	7311518275525	352	10	2	402
P11	7311518009076	334	13	6	412
P110-20-F	7311518275532	352	10	2	401
P110-23-F	7311518275549	352	10	2	401
P114-SL-40	7311518301149	352	15	2	406
P114-SL-50	7311518301156	352	15	2	406
P114-SL-60	7311518301163	352	15	2	406
P116-SL-40	7311518301101	352	15	2	406
P116-SL-50	7311518301118	352	15	2	406
P116-SL-60	7311518301125	352	15	2	406
P116-SL-70	7311518301132	352	15	2	406
P121-18-F	7311518275662	352	10	6	402
P121-20-F	7311518275631	352	10	6	402
P121-23-F	7311518275648	352	10	6	402
P123-19-BULK15	7311518226251	352	10	15	404
P123-19-BULK30	7311518218218	352	10	30	404
P123-19-BULK56	7311518240202	352	10	56	404
P126-19-F	7311518275297	352	10	6	402
P126-22-F	7311518275303	352	10	6	402
P127-19-BULK30	7311518199333	352	10	30	404
P128-19	7311518160814	352	10	6	404
P128-19-BULK30	7311518172329	352	10	30	404
P129-19-BULK30	7311518172336	352	10	30	404
P138-22-F	7311518301279	352	10	6	401
P140-70-BULK5	7311518332532	352	15	5	407

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P140-F	7311518275372	352	15	2	407
P16-50-F	7311518301286	352	15	2	407
P16-60-F	7311518276461	352	15	2	407
P160-SL-60	7311518301170	352	15	2	406
P160-SL-75	7311518301187	352	15	1	406
P160-SL-90	7311518301194	352	15	1	406
P172-SL-85	7311518301200	352	15	1	407
P19-80-F	7311518275365	352	15	1	407
P20	7311518009281	334	13	6	412
P214-50-BULK	7311518326845	352	15	10	407
P214-60-BULK5	7311518332525	352	15	5	407
P241	7311518008956	320	10	5	397
P262	7311518299286	320	10	10	396
P263	7311518299262	320	10	10	396
P264	7311518299279	320	10	10	396
P266	7311518299293	320	10	10	396
P267	7311518299309	320	10	10	396
P268	7311518299316	320	10	10	397
P269	7311518299323	320	10	10	397
P270	7311518299330	320	10	10	397
P272	7311518299354	320	10	5	397
P274	7311518299347	320	10	5	397
P276	7311518299361	320	10	5	397
P277	7311518299378	320	10	5	397
P278	7311518299385	320	10	5	397
P280-SL-80	7311518301330	352	15	2	407
P3-20-F	7311518275259	352	10	2	401
P3-23-F	7311518275266	352	10	2	401
P34-27A-F	7311518275464	352	30	2	409
P34-37	7311518002787	352	30	2	409
P5-20-F	7311518275273	352	10	2	402
P5-23-F	7311518275280	352	10	2	402
P51-F	7311518275426	352	20	2	410
P51-SL	7311518301217	352	20	2	410
P51H-SL	7311518301224	352	20	2	410
P54-SL-20	7311518301248	352	20	2	410
P54-SL-25	7311518301231	352	20	2	410
P54H-SL-20	7311518301262	352	20	2	410
P54H-SL-25	7311518301255	352	20	2	410
P57-25-F	7311518301293	352	20	4	411
P57-25-W-F	7311518301309	352	20	4	411
P59-25-F	7311518275655	352	20	5	411
P60-25-BULK5	7311518332549	352	20	5	411
P6160	7314150115075	340	65	5	419
P64-20	7311518288174	352	10	6	402
P64-20-BULK12	7311518288204	352	10	12	402
P74	7311518124076	352	25	1	411
P75	7311518124083	352	25	1	411
PAGS-2.0	7311518327835	320	20	6	389
PAGS-2.0-900FG	7311518292355	320	20	2	389
PAGS-2.5	7311518327842	320	20	6	389
PAGS-3.0	7311518327859	320	20	6	389
PC-10-DTF	7311518263560	330	10	10	353
PC-10-DTL	7311518263553	330	10	10	353
PC-10-DTR	7311518263546	330	10	10	352
PC-11-19-PS	7311518285548	330	10	4	353
PC-11-19-PS-B	7311518285555	330	10	10	353
PC-12-14-PS	7311518285562	330	10	4	353
PC-12-14-PS-B	7311518285579	330	10	10	353
PC-12-COM	7311518263454	330	10	4	352
PC-12-VEN	7311518263447	330	10	4	352
PC-12-VEN	7311518263430	330	10	4	352
PC-15-GNP	7311518264307	330	10	4	353
PC-15-TBX	7311518263423	330	10	4	352
PC-16-DECO	7311518264987	330	10	4	353
PC-16-FILE-U7	7311518263461	330	10	4	352
PC-19-FILE-U7	7311518263478	330	10	4	352
PC-19-GT7	7311518263362	330	10	4	352
PC-19-GT9	7311518263379	330	10	4	352
PC-20-LAM	7311518258290	330	10	4	353
PC-20-PRC	7311518264291	330	10	4	353
PC-22-FILE-U7	7311518263485	330	10	4	352
PC-22-GT7	7311518263393	330	10	4	352
PC-22-GT9	7311518263409	330	10	4	352
PC-22-INS	7314150154500	330	10	4	354
PC-22-INS-10P	7311518324636	330	10	1	354
PC-22-INS-24P	7311518326937	330	10	1	354
PC-24-FILE-U7	7311518263492	330	10	4	352
PC-24-PLS	7311518263508	330	10	4	353



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PC-24-TIM	7311518263515	330	10	4	353
PC-6-DRY	7311518282004	330	10	6	353
PC-9-9/17-PS	7311518285586	330	10	4	353
PC-9-9/17-PS-B	7311518285593	330	10	10	353
PENCIL-200-DISP	7314150125227	336	10	4	337
PG-01-F	7311518329334	352	10	6	401
PG-03-L	7311518242855	352	10	6	401
PG-12-F	7311518328122	352	10	6	402
PG-17-F	7311518324629	352	15	2	407
PG-18-45-F	7311518299033	352	15	2	407
PG-18-60-F	7311518288853	352	15	2	407
PG-18-75-F	7311518288877	352	15	2	407
PG-19-F	7311518295936	352	15	2	407
PG-22-45-F	7311518328351	352	15	6	407
PG-22-65-F	7311518328153	352	15	6	407
PG-32-F	7311518328146	352	20	6	411
PG-56-F	7311518288938	352	20	2	410
PG-57-F	7311518295943	352	20	2	410
PG-72	7311518242534	330	20	4	413
PG-L2-F	7311518269746	352	10	2	401
PG-M2-F	7311518269715	352	10	2	401
PG-R-M2-F	7311518269722	352	10	2	401
PG-S1-F	7311518327743	352	10	2	401
PH-6604-1P	7311518152819	324	10	15	36
PH-6604-25	7311518141134	324	10	25	36
PROF-H	7311518158439	356	30	2	415
PROF-LOPP	7311518288549	356	30	1	415
PROF-SEC	7311518288532	356	30	1	415
PS501-2	7314150112432	360	25	1	429
PU-10	7314150016181	366	10	5	49
PU-11	7314150016204	366	10	5	49
PU-12	7314150016228	366	10	5	49
PU-13	7314150016242	366	10	5	49
PU-14	7314150016266	366	10	5	49
PU-15	7314150016280	366	10	5	49
PU-16	7314150016303	366	10	5	49
PU-17	7314150016327	366	10	5	49
PU-18	7314150016341	366	10	5	49
PU-19	7314150016365	366	10	5	49
PU-20	7314150016389	366	10	3	49
PU-21	7314150016402	366	10	3	49
PU-22	7314150016426	366	10	3	49
PU-23	7314150016440	366	10	3	49
PU-24	7314150016464	366	10	3	49
PU-25	7314150016488	366	10	1	49
PU-26	7314150016501	366	10	1	49
PU-27	7314150016525	366	10	1	49
PU-28	7314150016549	366	10	1	49
PU-29	7314150016563	366	10	1	49
PU-30	7314150016587	366	10	1	49
PU-32	7314150016600	366	10	1	49
PU-36	7314150016631	366	10	1	49
PU-42	7314151839369	366	10	1	49
PU-6	7314150016105	366	10	5	49
PU-7	7314150016129	366	10	5	49
PU-8	7314150016143	366	10	5	49
PU-9	7314150016167	366	10	5	49
PU/SH12	7314153013354	366	10	1	49
PX-L2	7311518233853	352	10	2	400
PX-L3	7311518233860	352	10	2	400
PX-M1	7311518233815	352	10	2	400
PX-M2	7311518233822	352	10	2	400
PX-M2-L	7311518240714	352	10	2	400
PX-M3	7311518233839	352	10	2	400
PX-S1	7311518233785	352	10	2	400
PX-S2	7311518233792	352	10	2	400
PXR-L1	7311518233907	352	10	2	400
PXR-L2	7311518233914	352	10	2	400
PXR-M1	7311518233877	352	10	2	400
PXR-M2	7311518233884	352	10	2	400
PXR-M2-L	7311518240738	352	10	2	400
PXR-M3	7311518233891	352	10	2	400
PXR-S1	7311518240677	352	10	2	400
PXR-S2	7311518240684	352	10	2	400
QC-PAD-M	7314150136025	318	10	10	380
QC-PAD-S	7314150136032	318	10	10	380
OCB-1250	7314150135981	318	10	8	380
OCB-150	7314150135912	318	10	6	380
OCB-300	7314150135936	318	10	6	380



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OCB-450	7314150135950	318	10	6	380
OCB-600	7314150135967	318	10	4	380
OCB-900	7314150135974	318	10	4	380
OCG-150	7314150135899	318	10	6	380
OCG-300	7314150135905	318	10	12	380
QCS-150	7314150135998	318	10	6	380
QCS-300	7314150136001	318	10	6	380
R1068	7311518044398	352	10	1	403
R1069P	7311518219574	352	10	12	403
R1071	7311518222918	352	10	14	404
R1075-BULK50	7311518220495	352	10	50	404
R1080P	7311518282479	352	10	1	403
R112PG	7311518010058	352	10	1	402
R113PG	7311518044374	352	10	1	403
R114PG	7311518010065	352	10	30	402
R114V	7311518042660	352	15	1	408
R114V-BULK28	7311518177539	352	15	28	408
R115V	7311518243210	352	15	8	408
R115V-BULK14	7311518288341	352	15	14	408
R116V	7311518010164	352	15	1	408
R116V-BULK36	7311518159924	352	15	36	408
R116VP	7311518042721	352	15	1	408
R119V	7311518029487	352	15	1	408
R122PG	7311518010072	352	10	30	402
R123PG	7311518044381	352	10	1	403
R124PG	7311518010089	352	10	30	402
R1269P-BULK50	7311518240820	352	10	50	401
R127E	7311518011567	352	30	1	409
R133PG	7311518328252	352	30	1	409
R137E	7311518011574	352	30	1	409
R141P	7311518288235	352	10	1	403
R142P	7311518010126	352	10	24	403
R143PV	7311518010133	352	15	1	408
R143PV-BULK50	7311518240837	352	15	50	408
R143PVCB	7311518255633	352	15	1	408
R144PV	7311518291075	352	15	24	408
R146VC	7311518046545	352	20	1	411
R146VS	7311518046538	352	15	30	408
R146VS-BULK50	7311518159955	352	15	50	408
R147V	7311518044909	352	20	24	411
R1601	7311518044640	352	10	1	403
R160A	7311518201821	352	15	1	408
R166V	7311518328085	352	15	12	408
R16V	7311518254513	352	15	1	408
R16V-BULK14	7311518288334	352	15	14	408
R171P	7311518226534	352	10	1	402
R172A	7311518235413	352	15	1	408
R180V	7311518042677	352	15	1	408
R181P	7311518296087	352	15	1	408
R2000AP	7311518301088	352	30	8	410
R201P	7311518219536	352	10	30	402
R201P-BULK80	7311518225209	352	10	80	402
R202P	7311518219550	352	10	1	403
R211P	7311518234027	352	10	30	400
R211P-BULK80	7311518252212	352	10	80	400
R214SL	7311518301392	352	15	1	408
R214V	7311518042745	352	15	1	408
R214V-BULK28	7311518177553	352	15	28	408
R215V	7311518243227	352	15	1	408
R216SL	7311518301408	352	15	8	408
R221P	7311518229412	352	10	1	402
R221P-BULK50	7311518240653	352	10	50	402
R223P	7311518237554	352	10	1	402
R223P-BULK80	7311518240646	352	10	80	402
R239P	7311518219567	352	10	24	403
R260A	7311518201814	352	15	1	408
R26V	7311518254520	352	15	1	408
R271P	7311518226541	352	10	1	403
R272H	7311518258016	352	15	1	408
R300P	7311518234034	352	10	1	400
R303P	7311518234157	352	10	1	400
R310-0	7314151829797	366	15	1	58
R310-1	7314151829803	366	15	1	58
R310-2	7314151829810	366	15	1	58
R310-3	7314151829827	366	15	1	58
R312V	7311518235420	352	15	1	408
R315V	7311518243234	352	15	1	408
R318V	7311518029500	352	15	1	408
R328V	7311518296056	352	15	22	408



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R337E	7311518011598	352	30	1	409
R341P	7311518011529	352	10	12	403
R372H	7311518235406	352	15	1	408
R380A	7311518000066	352	15	1	408
R403P	7311518234164	352	10	1	400
R415V	7311518243241	352	15	1	408
R419V	7311518042936	352	15	1	408
R427AE	7311518176068	352	30	1	409
R427E	7311518011604	352	30	1	409
R430V	7311518243265	352	15	1	408
R437E	7311518011611	352	30	18	409
R438P	7311518229429	352	10	1	403
R438P-BULK50	7311518240660	352	10	50	403
R440V	7311518254544	352	15	22	408
R444V	7311518243340	352	20	22	411
R463P	7311518223908	352	10	1	403
R474P	7311518011536	352	10	30	403
R478P	7311518275600	352	10	1	404
R480P	7311518282486	352	10	1	404
R500P	7311518234041	352	10	40	400
R503P	7311518234171	352	10	1	400
R515VS	7311518046514	352	15	22	408
R516V	7311518200824	352	15	22	408
R519V	7311518029517	352	15	1	408
R600P	7311518240783	352	10	1	400
R603P	7311518240790	352	10	1	400
R615V	7311518010119	352	15	1	408
R619V	7311518029494	352	15	1	408
R660V	7311518210281	352	15	24	408
R6725MK	7314151088354	338	20	1	74
R6725ZK	7314151784898	338	20	1	74
R680V	7311518042752	352	15	1	408
R6950	7314151089658	354	20	1	67
R716VCB	7311518255497	352	15	1	408
R772V	7311518301385	352	15	14	408
R773V	7311518324414	352	15	1	408
R801P	7311518234126	352	10	1	400
R802P	7311518234133	352	10	1	400
R803P	7311518234140	352	10	1	400
R804P	7311518240806	352	10	1	400
R811P	7311518234058	352	10	1	400
R812P	7311518234065	352	10	1	400
R813P	7311518234072	352	10	1	400
R815P	7311518240752	352	10	1	400
R900P	7311518234188	352	10	1	400
R901P	7311518234195	352	10	30	400
R902P	7311518234201	352	10	1	401
R903P	7311518234218	352	10	1	401
R904P	7311518234225	352	10	1	401
R905P	7311518234232	352	10	1	401
R905P-BULK50	7311518252250	352	10	50	401
R906P	7311518234249	352	10	12	401
R906P-BULK50	7311518252267	352	10	50	401
R907P	7311518234256	352	10	1	401
RAIL-187	7314153003621	354	15	3	70
RAIL-264	7314153003638	354	15	3	70
RAIL-340	7314153003645	354	15	3	70
RECIP-SET-10	7311518236441	346	35	1	20
RECIP-SET-5	7311518236434	346	35	1	20
RT821P	7311518242237	352	10	1	400
RT822P	7311518234102	352	10	6	400
RT823P	7311518234119	352	10	1	400
RT824P	7311518240776	352	10	1	400
RX 01	7314150103263	340	10	1	419
RX 7490	7314150103195	340	10	10	418
RX 7590	7314150103201	340	10	10	419
RX 7890	7314150103218	340	10	10	419
RX 7891	7314150103225	340	10	10	419
RX 7892	7314150103232	340	10	10	419
RX 7893	7314150103249	340	10	10	419
RX 8130	7314150103003	340	10	10	418
RX 8131	7314150103010	340	10	10	418
RX 8132	7314150103027	340	10	10	418
RX 8140	7314150103034	340	10	10	418
RX 8141	7314150103041	340	10	10	418
RX 8142	7314150103058	340	10	10	418
RX 8143	7314150103065	340	10	10	418
RX 8144	7314150103072	340	10	10	418
RX 8145	7314150103089	340	10	10	418

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RX 8146	7314150103096	340	10	10	418
RX 8147	7314150103102	340	10	10	418
RX 8148	7314150103119	340	10	10	418
RX 8149	7314150103126	340	10	10	418
RX 8150	7314150103133	340	10	10	418
RX 8151	7314150103140	340	10	10	418
RX 8152	7314150103157	340	10	10	418
RX 8160	7314150111534	340	10	10	418
RX 8161	7314150111541	340	10	10	418
RX 8162	7314150111558	340	10	10	418
RX 8211	7314150103188	340	10	10	418
RX 8247	7314150103164	340	10	10	418
RX 8248	7314150103171	340	10	10	418
RX8233	7314150113521	340	10	10	418
RX8234	7314150113538	340	10	10	418
RX8237	7314150113545	340	10	10	418
S0810L	7314150256594	354	25	20	98
S10/SH11	7314153013408	366	10	1	53
S10/SH6	7314153013309	366	10	1	53
S103	7314150257119	354	25	2	101
S106	7314150103997	354	25	2	101
S108	7314150122257	354	25	2	101
S1214L	7314150256600	354	25	10	98
S138	7314150195022	354	25	2	102
S140T	7314150125203	354	10	10	100
S140T-R	7314150136353	354	10	10	100
S160	7314150104031	354	25	6	99
S160-CASE	7314150136209	354	25	1	102
S160AF	7314150137510	354	25	1	99
S1612L	7314150256617	354	25	4	99
S20/SH12	7314153013378	366	10	1	47
S20/SH6	7314153013316	366	10	1	47
S240	7314150104017	354	25	4	100
S240-CASE	7314150136216	354	25	1	102
S240AF	7314150111077	354	25	4	100
S290	7314153000859	354	25	6	99
S290-CASE	7314150126385	354	20	10	102
S330	7314150104024	354	25	6	99
S330-CASE	7314150136223	354	25	1	102
S330AF	7314150137503	354	25	6	100
S330L	7314150256587	354	25	4	100
S380	7314150168934	354	25	4	100
S400	7314150111053	354	25	2	100
S410	7314153019370	354	25	2	101
S460	7314150111060	354	25	6	99
S4RM-12-15	7314150179954	366	25	1	52
S4RM-16-19	7314150179961	366	25	1	52
S4RM-21-27	7314150179978	366	25	1	52
S4RM-30-36	7314150179985	366	25	1	52
S4RM-4-7	7314150179930	366	25	1	52
S4RM-8-11	7314150179947	366	25	1	52
S4RM/3T	7314150117406	366	25	20	52
S4RM/4T	7314150179916	366	25	1	52
S4RM/5T	7314150179923	366	25	1	52
S530T	7314150169122	354	10	4	100
S560	7314150122264	354	25	4	101
S80/17	7314153013187	354	25	1	94
S80/6	7314153013163	354	25	1	94
S80/8	7314153013170	354	25	1	94
S800	7314150165599	354	25	2	101
S81MIX	7314150180127	354	25	2	101
S87+7	7314150103980	354	25	2	101
S87+7-CASE	7314150126392	354	25	5	102
S910	7314150104000	354	25	2	101
S910-CASE	7314150137961	354	25	1	102
SAP-X	7311518225728	352	35	6	415
SB-2058/S26	7314151849498	350	48	1	135
SB-2444	7314150189250	334	10	1	371
SB-2448	7314150136056	334	10	10	362
SB-2449	7314150194049	334	10	10	362
SB-3732-2-125	7314151847869	358	15	1	392
SB-3732-2.5-125	7314151847876	358	15	1	392
SB-3732-3.2-125	7314151847883	358	15	1	392
SB-3732-4-125	7314151847890	358	15	1	392
SB-3734N-10-150	7314151848101	358	15	1	392
SB-3734N-2-150	7314151847968	358	15	1	392
SB-3734N-3-150	7314151847975	358	15	1	392
SB-3734N-4-150	7314151847982	358	15	1	392
SB-3734N-5-150	7314151847999	358	15	1	392

# SB-3734N-6-150



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SB-3734N-6-150	7314151848071	358	15	1	392
SB-3734N-7-150	7314151848088	358	15	1	392
SB-3734N-8-150	7314151848095	358	15	1	392
SB-3735N-2-100	7314151847906	358	15	1	391
SB-3735N-4-120	7314151847913	358	15	1	391
SB-3735N-5-120	7314151847920	358	15	1	391
SB-3735N-6-150	7314151847937	358	15	1	391
SB-3735N-8-150	7314151847944	358	15	1	391
SB-3740-125	7314150115990	358	15	5	389
SB-3740-150	7314150116003	358	15	5	389
SB-3740-175	7314150116010	358	15	5	389
SB-3740-200	7314150116027	358	15	5	389
SB-3740-250	7314150116034	358	15	5	389
SB-3740-300	7314150116041	358	15	5	389
SB-9526/S6	7314150154234	346	30	10	374
SB-9529/S8	7314150154227	346	30	5	374
SB111M-10	7314151839864	366	10	1	46
SB111M-11	7314151839871	366	10	1	46
SB111M-12	7314151839888	366	10	1	46
SB111M-13	7314151839895	366	10	1	46
SB111M-14	7314151839901	366	10	1	46
SB111M-15	7314151839918	366	10	1	46
SB111M-16	7314151839925	366	10	1	46
SB111M-17	7314151839932	366	10	1	46
SB111M-18	7314151839949	366	10	1	46
SB111M-19	7314151839956	366	10	1	46
SB111M-20	731415011839963	366	10	1	46
SB111M-21	7314151839970	366	10	1	46
SB111M-22	7314151839987	366	10	1	46
SB111M-23	7314151839994	366	10	1	46
SB111M-24	7314151840006	366	10	1	46
SB111M-25	7314151840013	366	10	1	46
SB111M-26	7314151840020	366	10	1	46
SB111M-27	7314151840037	366	10	1	46
SB111M-30	7314151840068	366	10	1	46
SB111M-32	7314151840075	366	10	1	46
SB111M-6	7314151839826	366	10	1	46
SB111M-7	7314151839833	366	10	1	46
SB111M-8	7314151839840	366	10	1	46
SB111M-9	7314151839857	366	10	1	46
SB1952M-10	7314150105205	366	10	1	48
SB1952M-12	7314150105229	366	10	1	48
SB1952M-13	7314150105236	366	10	1	48
SB1952M-14	7314150105243	366	10	1	48
SB1952M-17	7314150105274	366	10	1	48
SB1952M-19	7314150105298	366	10	1	48
SB1952M-24	7314150105342	366	10	1	48
SB1952M-7	7314150105441	366	10	1	48
SB1952M-8	7314150105458	366	10	1	48
SB27M-10-11	7314150180851	366	15	10	59
SB27M-12-13	7314150180868	366	15	10	59
SB27M-14-15	7314150180875	366	15	10	59
SB27M-16-17	7314150180882	366	15	10	59
SB27M-18-19	7314150180899	366	15	10	59
SB27M-20-22	7314150180905	366	15	10	59
SB27M-21-23	7314150180912	366	15	5	59
SB27M-24-26	7314150180929	366	15	5	59
SB27M-6-7	7314150180837	366	15	10	59
SB27M-8-9	7314150180844	366	15	10	59
SB6700SM-10	7314150104383	354	10	1	64
SB6700SM-11	7314150104390	354	10	1	64
SB6700SM-12	7314150104406	354	10	1	64
SB6700SM-13	7314150104413	354	10	1	64
SB6700SM-14	7314150104420	354	10	1	64
SB6700SM-4	7314150104307	354	10	1	64
SB6700SM-4.5	7314150104314	354	10	1	64
SB6700SM-5	7314150104321	354	10	1	64
SB6700SM-5.5	7314150104338	354	10	1	64
SB6700SM-6	7314150104345	354	10	1	64
SB6700SM-7	7314150104352	354	10	1	64
SB6700SM-8	7314150104369	354	10	1	64
SB6700SM-9	7314150104376	354	10	1	64
SB6700SZ-1/2	7314150240609	354	10	1	64
SB6700SZ-1/4	7314150240616	354	10	1	64
SB6700SZ-11/32	7314150240623	354	10	1	64
SB6700SZ-3/16	7314150240630	354	10	1	64
SB6700SZ-3/8	7314150240647	354	10	1	64
SB6700SZ-5/16	7314150240654	354	10	1	64
SB6700SZ-5/32	7314150240661	354	10	1	64



ACCOUNT SUBGROUP



SB6700SZ-7/16	7314150240678	354	10	1	64
SB6700SZ-7/32	7314150240685	354	10	1	64
SB6700SZ-9/16	7314150240692	354	10	1	64
SB6700SZ-9/32	7314150240708	354	10	1	64
SB6700TORX-E10	7314150240715	354	10	1	66
SB6700TORX-E4	7314150240722	354	10	1	66
SB6700TORX-E5	7314150240739	354	10	1	66
SB6700TORX-E6	7314150240746	354	10	1	66
SB6700TORX-E7	7314150240753	354	10	1	66
SB6700TORX-E8	7314150240760	354	10	1	66
SB6709F-4.5	7314150240777	354	10	1	66
SB6709F-5.5	7314150240784	354	10	1	66
SB6709F-6.5	7314150240791	354	10	1	66
SB6709F-8	7314150240807	354	10	1	66
SB6709M-3	7314150240814	354	10	1	66
SB6709M-4	7314150240821	354	10	1	66
SB6709M-5	7314150240838	354	10	1	66
SB6709M-6	7314150240845	354	10	1	66
SB6709M-8	7314150240852	354	10	1	66
SB6709PH-1	7314150240869	354	10	1	66
SB6709PH-2	7314150240876	354	10	1	66
SB6709PH-3	7314150240883	354	10	1	66
SB6709PZ-1	7314150240890	354	10	1	66
SB6709PZ-2	7314150240906	354	10	1	66
SB6709PZ-3	7314150240913	354	10	1	66
SB6709TORX-R-T10	7314150240975	354	10	1	66
SB6709TORX-R-T15	7314150240937	354	10	1	66
SB6709TORX-R-T20	7314150240944	354	10	1	66
SB6709TORX-R-T25	7314150240951	354	10	1	66
SB6709TORX-R-T8	7314150240968	354	10	1	66
SB6709TORX-T10	7314150240982	354	10	1	66
SB6709TORX-T15	7314150240999	354	10	1	66
SB6709TORX-T20	7314150241002	354	10	1	66
SB6709TORX-T25	7314150241019	354	10	1	66
SB6709TORX-T27	7314150241026	354	10	1	66
SB6709TORX-T30	7314150241033	354	10	1	66
SB6709TORX-T40	7314150241040	354	10	1	66
SB6709TORX-T8	7314150241057	354	10	1	66
SB6709TORX-T9	7314150241064	354	10	1	66
SB6950	7314150104987	354	20	1	67
SB6950RN	7314150104994	354	20	1	67
SB6954	7314150250158	354	15	10	68
SB6956	7314150241071	354	15	1	68
SB6958	7314150240296	354	15	1	68
SB6960	7314150104925	354	15	1	68
SB6961	7314150104932	354	15	1	68
SB6962	7314150104949	354	15	1	68
SB6962L	7314150254743	354	15	1	68
SB6963	7314150241088	354	15	1	68
SB6966	7314150241095	354	15	1	69
SB6M-10-11	7314150105731	366	10	1	52
SB6M-12-13	7314150105762	366	10	1	52
SB6M-14-15	7314150105823	366	10	1	52
SB6M-16-17	7314150105847	366	10	1	52
SB6M-17-19	7314150189830	366	10	1	52
SB6M-18-19	7314150105878	366	10	1	52
SB6M-20-22	7314150105915	366	10	1	52
SB6M-21-23	7314150105922	366	10	1	52
SB6M-22-24	7314150105946	366	10	1	52
SB6M-24-26	7314150105953	366	10	1	52
SB6M-24-27	7314150105960	366	10	1	52
SB6M-25-28	7314150189847	366	10	1	52
SB6M-27-29	7314150189854	366	10	1	52
SB6M-30-32	7314150106011	366	10	1	52
SB6M-4-5	7314150106042	366	10	1	52
SB6M-6-7	7314150106073	366	10	1	52
SB6M-8-9	7314150106103	366	10	1	52
SB7400SM-10	7314150241101	354	10	1	74
SB7400SM-11	7314150241118	354	10	1	74
SB7400SM-12	7314150241125	354	10	1	74
SB7400SM-13	7314150241132	354	10	1	74
SB7400SM-14	7314150241149	354	10	1	74
SB7400SM-15	7314150241156	354	10	1	74
SB7400SM-16	7314150241170	354	10	1	74
SB7400SM-17	7314150241187	354	10	1	74
SB7400SM-18	7314150241194	354	10	1	74
SB7400SM-19	7314150241200	354	10	1	74
SB7400SM-20	7314150241217	354	10	1	74
SB7400SM-21	7314150241224	354	10	1	74





SB7400SM-22	7314150241231	354	10	1	74
SB7400SM-6	7314150241248	354	10	1	74
SB7400SM-7	7314150241255	354	10	1	74
SB7400SM-8	7314150241262	354	10	1	74
SB7400SM-9	7314150241279	354	10	1	74
SB7400TORX-E10	7314150241286	354	10	1	76
SB7400TORX-E11	7314150241293	354	10	1	76
SB7400TORX-E12	7314150241309	354	10	1	76
SB7400TORX-E14	7314150241316	354	10	1	76
SB7400TORX-E16	7314150241323	354	10	1	76
SB7400TORX-E18	7314150241330	354	10	1	76
SB7400TORX-E8	7314150241347	354	10	1	76
SB7409BH-10	7314150241354	354	10	1	77
SB7409BH-4	7314150241361	354	10	1	77
SB7409BH-5	7314150241378	354	10	1	77
SB7409BH-6	7314150241385	354	10	1	77
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SB7409F-10	7314150241408	354	10	1	76
SB7409F-6.5	7314150241415	354	10	1	76
SB7409F-8	7314150241422	354	10	1	76
SB7409M-10	7314150241439	354	10	1	77
SB7409M-3	7314150241446	354	10	1	77
SB7409M-4	7314150241453	354	10	1	77
SB7409M-5	7314150241460	354	10	1	77
SB7409M-6	7314150241477	354	10	1	77
SB7409M-7	7314150241484	354	10	1	77
SB7409M-8	7314150241491	354	10	1	77
SB7409PH-1	7314150241507	354	10	1	76
SB7409PH-2	7314150241514	354	10	1	76
SB7409PH-3	7314150241521	354	10	1	76
SB7409TORX-R-T27	7314150241538	354	10	1	77
SB7409TORX-R-T30	7314150241545	354	10	1	77
SB7409TORX-R-T40	7314150241552	354	10	1	77
SB7409TORX-R-T45	7314150241569	354	10	1	77
SB7409TORX-R-T50	7314150241576	354	10	1	77
SB7409TORX-T20	7314150241583	354	10	1	76
SB7409TORX-T25	7314150241590	354	10	1	76
SB7409TORX-T25-L	7314150241606	354	10	1	77
SB7409TORX-T27	7314150241613	354	10	1	76
SB7409TORX-T30	7314150241620	354	10	1	76
SB7409TORX-T30-L	7314150241637	354	10	1	77
SB7409TORX-T40	7314150241644	354	10	1	76
SB7409TORX-T40-L	7314150241651	354	10	1	77
SB7409TORX-T45	7314150241668	354	10	1	76
SB7409TORX-T45-L	7314150241675	354	10	1	77
SB7409TORX-T50	7314150241682	354	10	1	76
SB7409TORX-T50-L	7314150241699	354	10	1	77
SB7750RN	7314153003966	354	20	1	77
SB7754	7314150250165	354	15	10	78
SB7755-3/8	7314153010100	354	20	1	77
SB7757	7314150254842	354	15	1	78
SB7758	7314150240302	354	15	1	78
SB7759	7314150254859	354	15	1	78
SB7760	7314153003980	354	15	1	78
SB7761	7314150241705	354	15	1	78
SB7762	7314153004000	354	15	1	78
SB7764	7314150241729	354	15	1	79
SB7765	7314150241736	354	15	1	69
SB7766	7314150241743	354	15	1	79
SB7767	7314150254897	354	15	1	69
SB7800DM-10	7314150104451	354	10	1	84
SB7800DM-11	7314150104468	354	10	1	84
SB7800DM-12	7314150104475	354	10	1	84
SB7800DM-13	7314150104482	354	10	1	84
SB7800DM-14	7314150104499	354	10	1	84
SB7800DM-15	7314150104505	354	10	1	84
SB7800DM-16	7314150104512	354	10	1	84
SB7800DM-17	7314150104529	354	10	1	84
SB7800DM-18	7314150104536	354	10	1	84
SB7800DM-19	7314150104543	354	10	1	84
SB7800DM-20	7314150104550	354	10	1	84
SB7800DM-21	7314150104567	354	10	1	84
SB7800DM-22	7314150104574	354	10	1	84
SB7800DM-23	7314150104581	354	10	1	84
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SB7800DM-25	7314150104604	354	10	1	84
SB7800DM-26	7314150104611	354	10	1	84
SB7800DM-27	7314150104628	354	10	1	84
SB7800DM-28	7314150104635	354	10	1	84



SB7800DM-29	7314150104642	354	10	1	84
SB7800DM-30	7314150104659	354	10	1	84
SB7800DM-32	7314150104666	354	10	1	84
SB7800DM-36	7314150104673	354	10	1	84
SB7800DM-8	7314150104437	354	10	1	84
SB7800DM-9	7314150104444	354	10	1	84
SB7800DZ-1	7314150234912	354	10	1	84
SB7800DZ-1.1/16	7314150240326	354	10	1	84
SB7800DZ-1.1/4	7314150240333	354	10	1	84
SB7800DZ-1.1/8	7314150240340	354	10	1	84
SB7800DZ-1.3/16	7314150240357	354	10	1	84
SB7800DZ-1/2	7314150234899	354	10	1	84
SB7800DZ-11/16	7314150234929	354	10	1	84
SB7800DZ-13/16	7314150234936	354	10	1	84
SB7800DZ-15/16	7314150234943	354	10	1	84
SB7800DZ-19/32	7314150240371	354	10	1	84
SB7800DZ-25/32	7314150240388	354	10	1	84
SB7800DZ-3/4	7314150234950	354	10	1	84
SB7800DZ-3/8	7314150234967	354	10	1	84
SB7800DZ-5/8	7314150234974	354	10	1	84
SB7800DZ-7/16	7314150234981	354	10	1	84
SB7800DZ-7/8	7314150234998	354	10	1	84
SB7800DZ-9/16	7314150235001	354	10	1	84
SB7800SM-10	7314150104703	354	10	1	83
SB7800SM-11	7314150104710	354	10	1	83
SB7800SM-12	7314150104727	354	10	1	83
SB7800SM-13	7314150104734	354	10	1	83
SB7800SM-14	7314150104741	354	10	1	83
SB7800SM-15	7314150104758	354	10	1	83
SB7800SM-16	7314150104765	354	10	1	83
SB7800SM-17	7314150104772	354	10	1	83
SB7800SM-18	7314150104789	354	10	1	83
SB7800SM-19	7314150104796	354	10	1	83
SB7800SM-20	7314150240395	354	10	1	83
SB7800SM-21	7314150104819	354	10	1	83
SB7800SM-22	7314150104826	354	10	1	83
SB7800SM-23	7314150104833	354	10	1	83
SB7800SM-24	7314150104840	354	10	1	83
SB7800SM-25	7314150104857	354	10	1	83
SB7800SM-26	7314150104864	354	10	1	83
SB7800SM-27	7314150104871	354	10	1	83
SB7800SM-28	7314150104888	354	10	1	83
SB7800SM-29	7314150240401	354	10	1	83
SB7800SM-30	7314150104895	354	10	1	83
SB7800SM-32	7314150104901	354	10	1	83
SB7800SM-34	7314150235018	354	10	1	83
SB7800SM-36	7314150235025	354	10	1	83
SB7800SM-8	7314150104680	354	10	1	83
SB7800SM-9	7314150104697	354	10	1	83
SB7800SZ-1	7314150240449	354	10	1	83
SB7800SZ-1.1/16	7314150240456	354	10	1	83
SB7800SZ-1.1/4	7314150240463	354	10	1	83
SB7800SZ-1.1/8	7314150240470	354	10	1	83
SB7800SZ-1.3/16	7314150240487	354	10	1	83
SB7800SZ-1/2	7314150240500	354	10	1	83
SB7800SZ-11/16	7314150240524	354	10	1	83
SB7800SZ-13/16	7314150240531	354	10	1	83
SB7800SZ-15/16	7314150240548	354	10	1	83
SB7800SZ-3/4	7314150240555	354	10	1	83
SB7800SZ-3/8	7314150240562	354	10	1	83
SB7800SZ-5/16	7314150240050	354	10	1	83
SB7800SZ-5/8	7314150240067	354	10	1	83
SB7800SZ-7/16	7314150240074	354	10	1	83
SB7800SZ-7/8	7314150240081	354	10	1	83
SB7800SZ-9/16	7314150240098	354	10	1	83
SB7800TORX-E10	7314150240104	354	10	1	85
SB7800TORX-E11	7314150240111	354	10	1	85
SB7800TORX-E12	7314150240128	354	10	1	85
SB7800TORX-E14	7314150240135	354	10	1	85
SB7800TORX-E16	7314150240142	354	10	1	85
SB7800TORX-E18	7314150240159	354	10	1	85
SB7800TORX-E20	7314150240166	354	10	1	85
SB7800TORX-E24	7314150240173	354	10	1	85
SB7800TORX-E8	7314150240180	354	10	1	85
SB7805DM-10	7314150234851	354	10	1	84
SB7805DM-12	7314150234868	354	10	1	84
SB7805DM-13	7314150235032	354	10	1	84
SB7805DM-14	7314150235049	354	10	1	84
SB7805DM-15	7314150235056	354	10	1	84



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SB7805DM-16	7314150235063	354	10	1	84
SB7805DM-17	7314150235070	354	10	1	84
SB7805DM-18	7314150235087	354	10	1	84
SB7805DM-19	7314150235094	354	10	1	84
SB7805DM-21	7314150235100	354	10	1	84
SB7805DM-22	7314150235117	354	10	1	84
SB7805DM-24	7314150235124	354	10	1	84
SB7805DM-26	7314150240197	354	10	1	84
SB7805DM-27	7314150235131	354	10	1	84
SB7805DM-30	7314150235148	354	10	1	84
SB7805SM-10	7314150235155	354	10	1	83
SB7805SM-12	7314150235162	354	10	1	83
SB7805SM-13	7314150235179	354	10	1	83
SB7805SM-14	7314150235193	354	10	1	83
SB7805SM-15	7314150235216	354	10	1	83
SB7805SM-16	7314150240210	354	10	1	83
SB7805SM-17	7314150235223	354	10	1	83
SB7805SM-18	7314150235230	354	10	1	83
SB7805SM-19	7314150235247	354	10	1	83
SB7805SM-20	7314150240227	354	10	1	83
SB7805SM-21	7314150235254	354	10	1	83
SB7805SM-22	7314150235261	354	10	1	83
SB7805SM-23	7314150240234	354	10	1	83
SB7805SM-24	7314150235278	354	10	1	83
SB7805SM-25	7314150240241	354	10	1	83
SB7805SM-26	7314150240258	354	10	1	83
SB7805SM-27	7314150235285	354	10	1	83
SB7805SM-28	7314150240265	354	10	1	83
SB7805SM-29	7314150240272	354	10	1	83
SB7805SM-30	7314150235292	354	10	1	83
SB7805SM-32	7314150235308	354	10	1	83
SB7809F-10	7314150235315	354	10	1	85
SB7809F-8	7314150240289	354	10	1	85
SB7809M-10	7314153004185	354	10	1	86
SB7809M-10-140	7314153004192	354	10	1	86
SB7809M-12	7314153004208	354	10	1	86
SB7809M-14	7314153004215	354	10	1	86
SB7809M-17	7314153004222	354	10	1	86
SB7809M-19	7314153004239	354	10	1	86
SB7809M-5	7314153004109	354	10	1	86
SB7809M-5-180	7314153004116	354	10	1	86
SB7809M-6	7314153004123	354	10	1	86
SB7809M-6-140	7314153013231	354	10	1	86
SB7809M-7	7314153004130	354	10	1	86
SB7809M-7-100	7314153004147	354	10	1	86
SB7809M-8	7314153004154	354	10	1	86
SB7809M-8-120	7314153004161	354	10	1	86
SB7809M-9	7314153004178	354	10	1	86
SB7809TORX-T20	7314153004017	354	10	1	85
SB7809TORX-T25	7314153004024	354	10	1	85
SB7809TORX-T27	7314153004031	354	10	1	85
SB7809TORX-T30	7314153004048	354	10	1	85
SB7809TORX-T40	7314153004055	354	10	1	85
SB7809TORX-T45	7314153004062	354	10	1	85
SB7809TORX-T50	7314153004079	354	10	1	85
SB7809TORX-T55	7314153004086	354	10	1	85
SB7809TORX-T60	7314153004093	354	10	1	85
SB811-10-200	7314153001207	350	12	1	151
SB811-12-250	7314150216772	350	12	1	151
SB811-4-100	7314150216758	350	12	1	151
SB811-5-5-100	7314153001153	350	12	1	151
SB811-5-5-125	7314153001160	350	12	1	151
SB811-5-5-25	7314153001450	350	12	1	151
SB811-6-5-125	7314153001177	350	12	1	151
SB811-6-5-150	7314153001184	350	12	1	151
SB811-6-5-25	7314153001467	350	12	1	151
SB811-8-150	7314153001191	350	12	1	151
SB811-8-175	7314150216765	350	12	1	151
SB8110-1/2	7314153004246	354	20	1	87
SB813-2-5-75	7314153001214	350	12	1	152
SB813-3-5-100	7314153001245	350	12	1	152
SB813-3-100	7314153001238	350	12	1	152
SB813-3-75	7314153001221	350	12	1	152
SB813-4-100	7314153001252	350	12	1	152
SB813-4-125	7314153001269	350	12	1	152
SB813-5-5-150	7314153001276	350	12	1	152
SB813-5-5-125	7314150216789	350	12	1	152
SB813-6-5-150	7314150216796	350	12	1	152
SB813VDE-2.5-100	7314150216871	350	26	1	153



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SB813VDE-3.5-100	7314153001634	350	26	1	153
SB813VDE-3-100	7314153001627	350	26	1	153
SB813VDE-4-100	7314153001641	350	26	1	153
SB813VDE-5.5-125	7314153001658	350	26	1	153
SB813VDE-6.5-150	7314153001665	350	26	1	153
SB813VDE-8-175	7314153001672	350	26	1	153
SB814-100	7314153001757	350	12	1	153
SB815-0-75	7314153001283	350	12	1	152
SB815-1-100	7314153001290	350	12	1	152
SB815-1-25	7314153001474	350	12	1	152
SB815-1-250	7314150216802	350	12	1	152
SB815-2-125	7314153001306	350	12	1	152
SB815-2-200	7314150234875	350	12	1	152
SB815-2-25	7314153001481	350	12	1	152
SB815-3-150	7314153001313	350	12	1	152
SB8150-1/2	7314150105014	354	20	1	86
SB8150RN-1/2	7314150105007	354	20	1	87
SB8155-1/2	7314150105021	354	20	1	86
SB8158-1/2	7314153004253	354	15	1	87
SB8159-1/2	7314150104956	354	15	1	88
SB815VDE-0-100	7314153001702	350	26	1	153
SB815VDE-1-150	7314153001719	350	26	1	153
SB815VDE-2-175	7314153001726	350	26	1	153
SB815VDE-3-200	7314153001733	350	26	1	153
SB816-0-75	7314153001320	350	12	1	152
SB816-1-100	7314153001337	350	12	1	152
SB816-2-125	7314153001344	350	12	1	152
SB816-2-25	7314153001504	350	12	1	152
SB816-3-150	7314153001351	350	12	1	152
SB8160-1/2	7314150104963	354	15	1	88
SB8166-1/2	7314153004260	354	15	1	88
SB816VDE-0-100	7314153001580	350	26	1	153
SB816VDE-1-150	7314153001597	350	26	1	153
SB816VDE-2-175	7314153001603	350	26	1	153
SB817-100	7314153001764	350	12	1	153
SB818-10-75	7314150216819	350	12	1	152
SB818-15-100	7314153001412	350	12	1	152
SB818-20-100	7314153001429	350	12	1	152
SB818-25-125	7314150216826	350	12	1	152
SB818-30-150	7314150216833	350	12	1	152
SB818-40-150	7314150216840	350	12	1	152
SB818-6-75	7314153001368	350	12	1	152
SB818-7-75	7314153001375	350	12	1	152
SB820-1/4-125	7314150216857	350	12	1	153
SBA6700DM-10	7314150235575	354	10	1	64
SBA6700DM-11	7314150241750	354	10	1	64
SBA6700DM-12	7314150241767	354	10	1	65
SBA6700DM-13	7314150241774	354	10	1	65
SBA6700DM-14	7314150241781	354	10	1	65
SBA6700DM-5.5	7314150241798	354	10	1	64
SBA6700DM-6	7314150241804	354	10	1	64
SBA6700DM-7	7314150241811	354	10	1	64
SBA6700DM-8	7314150241828	354	10	1	64
SBA6700DM-9	7314150241835	354	10	1	64
SBA6700DZ-1/2	7314150241842	354	10	1	65
SBA6700DZ-1/4	7314150241859	354	10	1	65
SBA6700DZ-11/32	7314150241866	354	10	1	65
SBA6700DZ-3/16	7314150241873	354	10	1	65
SBA6700DZ-3/8	7314150241880	354	10	1	65
SBA6700DZ-5/16	7314150241897	354	10	1	65
SBA6700DZ-7/16	7314150241903	354	10	1	65
SBA6700DZ-7/32	7314150241910	354	10	1	65
SBA6700DZ-9/16	7314150241927	354	10	1	65
SBA6700DZ-9/32	7314150241934	354	10	1	65
SBA6709M-2.5	7314150254835	354	10	1	67
SBA6709M-3	7314150254828	354	10	1	67
SBA6709M-4	7314150254811	354	10	1	67
SBA6709M-5	7314150254804	354	10	1	67
SBA6709M-6	7314150254798	354	10	1	67
SBA6709Z-1/8	7314150254781	354	10	1	67
SBA6709Z-3/16	7314150254774	354	10	1	67
SBA6709Z-5/32	7314150254767	354	10	1	67
SBA6709Z-9/64	7314150254750	354	10	1	67
SBA6800DM-10	7314150250172	354	10	10	64
SBA6800DM-11	7314150250189	354	10	10	64
SBA6800DM-12	7314150250196	354	10	10	64
SBA6800DM-13	7314150250202	354	10	10	64
SBA6800DM-14	7314150250219	354	10	10	64
SBA6800DM-4	7314150250226	354	10	10	64



	ACCOUNT	SUBGROUP			
SBA6800DM-5	7314150250233	354	10	10	64
SBA6800DM-5.5	7314150250240	354	10	10	64
SBA6800DM-6	7314150250257	354	10	10	64
SBA6800DM-7	7314150250264	354	10	10	64
SBA6800DM-8	7314150250271	354	10	10	64
SBA6800DM-9	7314150250288	354	10	10	64
SBA6800DZ-1/2	7314150250295	354	10	10	65
SBA6800DZ-1/4	7314150250301	354	10	10	65
SBA6800DZ-11/32	7314150250318	354	10	10	65
SBA6800DZ-3/16	7314150250325	354	10	10	65
SBA6800DZ-3/8	7314150250332	354	10	10	65
SBA6800DZ-5/16	7314150250349	354	10	10	65
SBA6800DZ-7/16	7314150250356	354	10	10	65
SBA6800DZ-7/32	7314150250363	354	10	10	65
SBA6800DZ-9/16	7314150250370	354	10	10	65
SBA6800DZ-9/32	7314150250387	354	10	10	65
SBA7400DM-10	7314150241941	354	10	1	75
SBA7400DM-11	7314150241958	354	10	1	75
SBA7400DM-12	7314150241965	354	10	1	75
SBA7400DM-13	7314150241972	354	10	1	75
SBA7400DM-14	7314150241989	354	10	1	75
SBA7400DM-15	7314150241996	354	10	1	75
SBA7400DM-16	7314150242009	354	10	1	75
SBA7400DM-17	7314150242016	354	10	1	75
SBA7400DM-18	7314150242023	354	10	1	75
SBA7400DM-19	7314150242030	354	10	1	75
SBA7400DM-20	7314150242047	354	10	1	75
SBA7400DM-21	7314150242054	354	10	1	75
SBA7400DM-22	7314150242061	354	10	1	75
SBA7400DM-6	7314150242078	354	10	1	75
SBA7400DM-7	7314150242085	354	10	1	75
SBA7400DM-8	7314150242092	354	10	1	75
SBA7400DM-9	7314150242108	354	10	1	75
SBA7400DZ-1/2	7314150254705	354	10	1	75
SBA7400DZ-1/4	7314150242115	354	10	1	75
SBA7400DZ-11/16	7314150242122	354	10	1	75
SBA7400DZ-13/16	7314150242139	354	10	1	75
SBA7400DZ-17/32	7314150242146	354	10	1	75
SBA7400DZ-19/32	7314150242153	354	10	1	75
SBA7400DZ-3/4	7314150242160	354	10	1	75
SBA7400DZ-3/8	7314150242177	354	10	1	75
SBA7400DZ-5/16	7314150242184	354	10	1	75
SBA7400DZ-5/8	7314150242191	354	10	1	75
SBA7400DZ-7/16	7314150242207	354	10	1	75
SBA7400DZ-7/8	7314150242214	354	10	1	75
SBA7400DZ-9/16	7314150242221	354	10	1	75
SBA7402DM-10	7314150250394	354	10	10	75
SBA7402DM-11	7314150250400	354	10	10	75
SBA7402DM-12	7314150250417	354	10	10	75
SBA7402DM-13	7314150250424	354	10	10	75
SBA7402DM-14	7314150250431	354	10	10	75
SBA7402DM-15	7314150250448	354	10	1	75
SBA7402DM-16	7314150250455	354	10	10	75
SBA7402DM-17	7314150250462	354	10	10	75
SBA7402DM-18	7314150250479	354	10	10	75
SBA7402DM-19	7314150250486	354	10	10	75
SBA7402DM-7	7314150250493	354	10	10	75
SBA7402DM-8	7314150250509	354	10	10	75
SBA7402DM-9	7314150250516	354	10	10	75
SBA7402DZ-1/2	7314150250523	354	10	10	76
SBA7402DZ-1/4	7314150250530	354	10	10	76
SBA7402DZ-11/16	7314150250547	354	10	10	76
SBA7402DZ-13/16	7314150250554	354	10	10	76
SBA7402DZ-19/32	7314150250561	354	10	10	76
SBA7402DZ-3/4	7314150250578	354	10	10	76
SBA7402DZ-3/8	7314150250585	354	10	10	76
SBA7402DZ-5/16	7314150250592	354	10	10	76
SBA7402DZ-5/8	7314150250608	354	10	10	76
SBA7402DZ-7/16	7314150250615	354	10	10	76
SBA7402DZ-7/8	7314150250622	354	10	10	76
SBA7402DZ-9/16	7314150250639	354	10	10	76
SBS10-10-11	7314153009012	366	10	1	53
SBS10-12-13	7314153009029	366	10	1	53
SBS10-14-15	7314153009036	366	10	1	53
SBS10-16-17	7314153009043	366	10	1	53
SBS10-17-19	7314153010667	366	10	1	53
SBS10-18-19	7314153009050	366	10	1	53
SBS10-20-22	7314153009067	366	10	1	53
SBS10-21-23	7314153009074	366	10	1	53



	ACCOUNT	SUBGROUP			
SBS10-24-27	7314153009081	366	10	1	53
SBS10-30-32	7314153009098	366	10	1	53
SBS10-6-7	7314153009005	366	10	1	53
SBS10-8-9	7314153010650	366	10	1	53
SBS10/T12/6	7314150136414	356	25	1	282
SBS10/T12/E	7314150136933	356	25	1	282
SBS10/T3/5	7314150136407	356	25	1	282
SBS20-10	7314153009142	366	10	1	47
SBS20-11	7314153009159	366	10	1	47
SBS20-12	7314153009166	366	10	1	47
SBS20-13	7314153009173	366	10	1	47
SBS20-14	7314153009180	366	10	1	47
SBS20-15	7314153009197	366	10	1	47
SBS20-16	7314153009203	366	10	1	47
SBS20-17	7314153009210	366	10	1	47
SBS20-18	7314153009227	366	10	1	47
SBS20-19	7314153009234	366	10	1	47
SBS20-20	7314153009241	366	10	1	47
SBS20-21	7314153009258	366	10	1	47
SBS20-22	7314153009265	366	10	1	47
SBS20-24	7314153009272	366	10	1	47
SBS20-27	7314153009289	366	10	1	47
SBS20-30	7314153009296	366	10	1	47
SBS20-32	7314153009302	366	10	1	47
SBS20-6	7314153009104	366	10	1	47
SBS20-7	7314153009111	366	10	1	47
SBS20-8	7314153009128	366	10	1	47
SBS20-9	7314153009135	366	10	1	47
SBS20/T15/6	7314150136476	356	25	1	283
SBS20/T4/8	7314150190294	356	25	1	282
SBS20/T6/7	7314150190300	356	25	1	282
SBS30-10-11	7314153009449	366	10	1	56
SBS30-12-13	7314153009456	366	10	1	56
SBS30-14-15	7314153009463	366	10	1	56
SBS30-16-17	7314153009470	366	10	1	56
SBS30-17-19	7314153010674	366	10	1	56
SBS30-18-19	7314153009487	366	10	1	56
SBS30-20-22	7314153009494	366	10	1	56
SBS30-21-23	7314153009500	366	10	1	56
SBS30-24-27	7314153009517	366	10	1	56
SBS30-30-32	7314153009524	366	10	1	56
SBS30-6-7	7314153009425	366	10	1	56
SBS30-8-9	7314153009432	366	10	1	56
SBS30/T10/4	7314150136568	356	25	1	283
SBS30/T10/E	7314150137015	356	25	1	283
SBS30/T8/7	7314150136551	356	25	1	283
SBS50-10-11	7314153009333	366	15	1	60
SBS50-12-13	7314153009340	366	15	1	60
SBS50-14-15	7314153009357	366	15	1	60
SBS50-16-17	7314153009364	366	15	1	60
SBS50-18-19	7314153009371	366	15	1	60
SBS50-20-22	7314153009388	366	15	1	60
SBS50-21-23	7314153009395	366	15	1	60
SBS50-8-9	7314153009326	366	15	1	60
SBS50/T12/8	7314150136582	356	25	1	284
SBS60-10	7314153009616	354	10	1	65
SBS60-11	7314153009623	354	10	1	65
SBS60-12	7314153009630	354	10	1	65
SBS60-13	7314153009647	354	10	1	65
SBS60-14	7314153009654	354	10	1	65
SBS60-4	7314153009531	354	10	1	65
SBS60-4.5	7314153009548	354	10	1	65
SBS60-5	7314153009555	354	10	1	65
SBS60-5.5	7314153009562	354	10	1	65
SBS60-6	7314153009579	354	10	1	65
SBS60-7	7314153009586	354	10	1	65
SBS60-8	7314153009593	354	10	1	65
SBS60-9	7314153009609	354	10	1	65
SBS60/T4/21	7314150136636	356	25	1	285
SBS60/T4/E	7314150137077	356	25	1	285
SBS61	7314153009661	354	20	1	67
SBS63-2	7314153009685	354	15	1	68
SBS63-4	7314153009692	354	15	1	68
SBS63-6	7314153009708	354	15	1	68
SBS64	7314153012609	354	15	1	68
SBS65	7314153009715	354	15	1	69
SBS67	7314153009678	354	15	1	68
SBS69	7314153009722	354	15	1	69
SBS705	7314153012968	354	15	1	78



ACCOUNT SUBGROUP



SBS71-16	7314150127245	312	10	1	220
SBS71-21	7314150127252	312	10	1	220
SBS723	7314153012890	354	15	1	79
SBS724	7314153012906	354	15	1	79
SBS750	7314153012883	354	20	1	77
SBS755	7314153012913	354	15	1	78
SBS760	7314153012937	354	15	1	79
SBS761	7314153012944	354	15	1	79
SBS762	7314153012951	354	15	1	79
SBS775	7314153012920	354	15	1	79
SBS80-10	7314153009746	354	10	1	85
SBS80-11	7314153009753	354	10	1	85
SBS80-12	7314153009760	354	10	1	85
SBS80-13	7314153009777	354	10	1	85
SBS80-14	7314153009784	354	10	1	85
SBS80-15	7314153009791	354	10	1	85
SBS80-16	7314153009807	354	10	1	85
SBS80-17	7314153009814	354	10	1	85
SBS80-18	7314153009821	354	10	1	85
SBS80-19	7314153009838	354	10	1	85
SBS80-21	7314153009852	354	10	1	85
SBS80-22	7314153010117	354	10	1	85
SBS80-23	7314153009869	354	10	1	85
SBS80-24	7314153009876	354	10	1	85
SBS80-27	7314153009883	354	10	1	85
SBS80-30	7314153009890	354	10	1	85
SBS80-32	7314153009906	354	10	1	85
SBS80-8	7314153013194	354	10	1	85
SBS80-9	7314153013200	354	10	1	85
SBS80/T20/29	7314150136612	356	25	1	284
SBS80/T20/E	7314150137053	356	25	1	284
SBS81	7314153009937	354	20	5	87
SBS82	7314153009944	354	20	1	87
SBS83-10	7314153009982	354	15	1	88
SBS83-3	7314153013156	354	15	1	88
SBS83-5	7314153009975	354	15	1	88
SBS85	7314153010025	354	15	1	88
SBS86	7314153009999	354	15	1	88
SBS87	7314153009968	354	15	1	88
SBS87S	7314153009951	354	15	1	88
SBS88	7314153010001	354	15	1	89
SBS89	7314153010018	354	15	1	89
SBSF-10	7314153012654	354	10	1	76
SBSF-11	7314153012661	354	10	1	76
SBSF-12	7314153012678	354	10	1	76
SBSF-13	7314153012685	354	10	1	76
SBSF-14	7314153012692	354	10	1	76
SBSF-15	7314153012708	354	10	1	76
SBSF-16	7314153012715	354	10	1	76
SBSF-17	7314153012722	354	10	1	76
SBSF-18	7314153012739	354	10	1	76
SBSF-19	7314153012746	354	10	1	76
SBSF-20	7314150127221	354	10	1	76
SBSF-22	7314150127238	354	10	1	76
SBSF/T8/23	7314150136650	356	25	1	285
SBSF/T8/E	7314150137091	356	25	1	285
SBSL25	7314153015853	354	25	5	99
SC127	7314150121984	334	35	10	367
SC127S	7314150121991	334	35	10	367
SC127V	7314150121847	334	45	5	318
SC140	7314150122004	334	35	10	367
SC140C	7314150122011	334	35	10	367
SC150NG	7314150122028	334	35	10	367
SC150NGV	7314150121854	334	45	5	319
SCRAPER-SET2	7311518228613	362	10	1	340
SE-15-24	7311518029838	316	10	5	357
SE-15-30	7311518029821	316	10	5	357
SE-15-30-23	7311518029845	316	10	5	357
SE-15-32	7311518249168	316	10	5	357
SE-15-36	7311518141202	316	10	5	357
SE-15-36-23	7311518258276	316	10	5	357
SE-16-21	7311518029807	316	10	5	357
SE-16-21-23	7311518273934	316	10	5	357
SH-FCS-810	7311518140540	326	15	1	388
SH-FCS-860	7311518140557	326	15	1	388
SH-FGS-600	7311518140649	326	15	1	388
SH-FGS-700	7311518140656	326	15	12	388
SH-FGS-800	7311518140663	326	15	1	388
SH-HGPS-400FG	7311518282301	326	15	1	388



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SH-HGPS-360	7311518140618	326	15	12	388
SH-HGPS-380	7311518140625	326	15	12	388
SH-HGPS-400	7311518207618	326	15	1	388
SH-HUS-380	7311518140502	326	15	1	388
SH-HUS-500	7311518140519	326	15	1	388
SH-HUS-650	7311518140526	326	15	1	388
SH-MCS-800	7311518140595	326	15	1	388
SH-MES-900	7311518140601	326	15	1	388
SH-MES-900FG	7311518282318	326	15	1	388
SH-MES-F-900	7311518141554	326	15	1	388
SH-PAGS-900	7311518327866	320	20	1	389
SH-PAGS-900FG	7311518326944	320	20	1	388
SH-SUS-800	7311518140809	326	15	1	388
SHARP-X	7311518264895	352	35	10	414
SHARP-X-DISP	7311518264901	352	35	1	414
SL24	7314150128389	354	25	1	99
SL25	7314153013422	354	25	20	99
SL25L	7314150256570	354	25	10	99
SLX 17	7314153015785	354	25	1	102
SLX 17AF	7314150137558	354	25	1	102
SNAWT1470	7314150221622	356	10	1	281
SQZ150003	7314153013477	334	10	6	368
SQZ150003-HSBL	7314153015389	334	15	6	369
SQZ150003-SBL	7314153015372	334	15	1	369
SSNAWT1475	7314150221639	356	10	1	281
SUP-20-LAM	7311518258351	330	10	4	352
SUS-2.0-800	7311518123451	326	15	4	388
T10/E	7314150137374	356	25	1	290
T2/E	7314150137329	356	25	1	289
T3/E	7314150137336	356	25	1	289
T4/E	7314150137343	356	25	1	290
T6/E	7314150137350	356	25	1	290
T8/E	7314150137367	356	25	1	290
TAM12135	7314150215331	360	20	1	109
TAM12200	7314150215348	360	20	1	109
TAM12340	7314150215355	360	20	1	109
TAM1430	7314150215317	360	20	1	109
TAM38135	7314150215324	360	20	1	109
THAB	7314150137398	356	25	1	290
TL 0-SA	7314150109593	340	80	1	422
TL 00-SA	7314150109579	340	80	1	422
TL 00-SA-ET	7311518279219	340	80	1	421
TL 00-SA-SL	7314150115228	340	80	5	424
TL 00B-SA	7314150109555	340	80	1	422
TL 00CFR-SA	7314150115402	340	80	1	426
TL 00D-SA	7314150109562	340	80	1	422
TL 0C9-SA	7314150109586	340	80	1	422
TL 1-SA	7314150109647	340	80	1	422
TL 1-SA-SL	7314150115235	340	80	5	424
TL 10G-SA	7314150109609	340	80	1	422
TL 124-SA	7314150110018	340	80	1	425
TL 15AP	7314150109630	340	80	1	422
TL 2-SA	7314150110117	340	80	1	422
TL 2-SA-SL	7314150115242	340	80	5	424
TL 231-SA	7314150110087	340	80	1	425
TL 249 ACF	7314150115174	340	80	1	427
TL 249CFR-SA	7314150115143	340	80	1	426
TL 251-SA	7314150110643	340	80	1	426
TL 252-SA	7314150110650	340	80	1	426
TL 253-SA	7314150110667	340	80	1	426
TL 259 ACF	7314150115167	340	80	1	427
TL 259 CFR-SA	7314150115150	340	80	1	426
TL 269CF-SA	7314150110735	340	80	1	426
TL 2AACF	7314150115457	340	80	1	427
TL 2A-SA	7314150110100	340	80	1	422
TL 2A-SA-SL	7314150115259	340	80	5	424
TL 2AB-SA	7314150110094	340	80	1	422
TL 2ACFR-SA	7314150115419	340	80	1	426
TL 2AX-SA	7314150110025	340	80	1	424
TL 3-SA	7314150110162	340	80	1	423
TL 3-SA-ET	7311518279356	340	80	1	421
TL 3-SA-SL	7314150115266	340	80	5	424
TL 3C-SA	7314150110148	340	80	1	422
TL 3C-SA-SL	7314150115273	340	80	5	424
TL 3C-TA	7314150110155	340	80	1	423
TL 4-SA	7314150110186	340	80	1	423
TL 4-SA-SL	7314150115280	340	80	5	424
TL 475-SA	7314150110032	340	80	1	425
TL 5-SA	7314150110247	340	80	1	423





TL 5-SA-SL	7314150115297	340	80	5	424
TL 5-TA	7314150110254	340	80	1	423
TL 51S-SA	7314150110209	340	80	1	423
TL 577-SA	7314150110421	340	80	1	425
TL 578-SA	7314150110438	340	80	1	425
TL 582-SA	7314150110452	340	80	1	425
TL 5A-SA	7314150110216	340	80	1	423
TL 5A-SA-SL	7314150115303	340	80	5	424
TL 5ACF	7314150115464	340	80	1	427
TL 5B-SA	7314150110223	340	80	1	423
TL 5CFR-SA	7314150115426	340	80	1	426
TL 648-SA	7314150110049	340	80	1	425
TL 649-SA	7314150110063	340	80	1	425
TL 65A-SA	7314150110278	340	80	1	423
TL 7-SA	7314150110292	340	80	1	423
TL 7-SA-SL	7314150115310	340	80	5	424
TL 7A-SA	7314150110285	340	80	1	423
TL 7A-SA-SL	7314150115327	340	80	5	424
TL 7ACF	7314150115471	340	80	1	427
TL 7CFR-SA	7314150115433	340	80	1	427
TL AA-S	7314150110544	340	80	1	425
TL AA-SA	7314150110551	340	80	1	426
TL AA-SA-SL	7314150115334	340	80	5	425
TL AA-TA	7314150110575	340	80	1	426
TL MM-SA-SL	7314150115365	340	80	5	425
TL SM 103-SA	7314150110773	340	80	1	427
TL SM 104-SA	7314150110780	340	80	1	427
TL SM 105-SA	7314150110797	340	80	1	427
TL SM 107-SA	7314150110810	340	80	1	427
TL SM 108-SA	7314150110827	340	80	1	427
TL SM 109-SA	7314150110834	340	80	1	428
TL SM 110-SA	7314150110841	340	80	1	428
TL SM 111-SA	7314150110858	340	80	1	428
TL SM 115-SA	7314150110896	340	80	1	428
TL SM 117-SA	7314150110919	340	80	1	428
TL SS-SA	7314150109937	340	80	1	423
TL SS-SA-SL	7314150115358	340	80	5	425
TRX 8180	7314150112272	340	65	5	419
TS001	7314150233298	356	25	1	299
TS002	7314150233304	356	25	1	300
TS003	7314150233311	356	25	1	300
TS100	7314150233328	356	25	1	300
TS200	7314150233335	356	25	1	300
TS201	7314150233342	356	25	1	301
TS300	7314150233359	356	25	1	301
TVAB	7314150137381	356	25	1	290
W-S-1.5	7311518140816	326	15	4	388
W-S-2.0	7311518140823	326	15	4	388
W-S-2.5	7311518140830	326	15	4	388
W-T-2.0	7311518140847	326	15	4	388
W120SL1	7314153013637	356	20	1	291
W120SL1-D1	7314153013644	356	20	1	291
W120SL2-D2	7314153013651	356	20	1	291
W180SL2-D2	7314153013682	356	20	1	292
W180SL3	7314153013668	356	20	1	292
W180SL3-D1	7314153013675	356	20	1	292
WR1	7314150167425	336	15	50	335
WR1-MM	7314150220069	336	15	50	335
WR2	7314150167432	336	15	25	335
WR2-12	7314150185627	336	15	25	335
WR2-MM	7314150220038	336	15	25	335
ZHVIDEOBAT	8414909180244	312	30	1	268
ZHVIDEOCHA	8414909180237	312	30	1	268

























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## Warranty

1. Where permitted by law, all hand tools in the catalogue are offered with a lifetime warranty - a warranty against material and manufacturing defects for the normal lifetime of the tool in question. 'Lifetime' is defined as the period of time a tool can be expected to last under normal use and conditions.

2. SNA Europe's range of power tools, pneumatic tools and measuring tools are excluded from point 1 and each has a separate warranty card supplied with the product covering the specific warranty conditions. Products are designed and manufactured for professional use. Generally the warranty period is one year (12 months) for professional use and two years (24 months) for private use. The warranty period starts on the purchase date. This date may be verified with the invoice or any other document of equivalent legal validity.

3. Defective products will be repaired, replaced or substituted. SNA Europe does not cover transit costs for repaired, replaced or substituted products.

4. Any product that has been incorrectly used and/ or maintained or that is worn from improper use or that has suffered unauthorized modifications is not covered by this warranty.

5. A warranty claim must be submitted within the warranty period. This requires the submission or shipment of the complete tool in question with verification of sale documentation, which must validate the purchase date and the product designation, to the retailer or distributor.

6. Replacement or repair of the product will be carried out as quickly as possible. At the reception of the replaced or repaired product the customer is asked to validate conformity. Replacements and repairs provided under the warranty do not lengthen or renew the warranty period for the tool.

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