



# Collets and Sleeves

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# ERICKSON™ HC Hydraulic Chuck Sleeves • Drilling

## Primary Application

ERICKSON Hydraulic Reduction Sleeves are specially designed for high-precision clamping of straight cylindrical cutting tool shanks. The self-sealing design enables efficient use of through-coolant cutting tools when the cutting tool shank completely engages the full gripping length of the sleeve.

## Features and Benefits

- One-piece design with slot configuration to seal coolant.
- Cutting tool must be cylindrical and have a through hole when using coolant.
- Capable of up to 100 bar (1,500 psi) coolant pressure.
- Cutting tool shank requirement tolerance is h6 and Ra  $\geq 0,3 \mu\text{m}$  (12  $\mu$  in) surface finish.
- Maximum collapse is h6.



## How Do Catalog Numbers Work?

Each character in our catalog number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



20MHC160M

**20**

System Size

- 12 = 12mm
- 20 = 20mm
- 32 = 32mm
- 50 = 1/2"
- 75 = 3/4"
- 12 = 1-1/4"

**M**

System Value

**M** = Previous two numbers built in metric values

**HC**

Sleeve Style

**HC** = Hydraulic Chuck

**160**

Sleeve Bore Size

**metric (xx.x)**

- 010 = 1mm
- 160 = 16mm
- 250 = 25mm

**inch (x.xxx)**

- 0125 = 1/8"
- 0500 = 1/2"
- 1000 = 1"

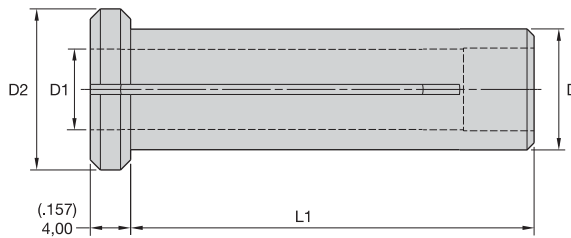
**M**

Identification Value

**M** = Sleeve bore size built to metric values  
**(blank)** = Sleeve bore size built to metric values



- One-piece design with slot configuration to seal coolant.
- Cutting tool must be cylindrical and have a through hole when using coolant.
- Sleeve must be inserted completely into the hydraulic chuck until shoulder mates against the hydraulic chuck front face.
- Cutting tools must be in full contact with the sleeve bore length (L<sub>9</sub>).



**ERICKSON™**

■ Metric with Metric Bores

D1	12HC D = 12mm D2 = 16mm L1 = 40mm	20HC D = 20mm D2 = 25mm L1 = 50mm	25HC D = 25mm D2 = 30mm L1 = 56mm	32HC D = 32mm D2 = 36mm L1 = 60mm
3,0	12MHC030M	20MHC030M	25MHC030M	—
4,0	12MHC040M	20MHC040M	25MHC040M	—
5,0	12MHC050M	20MHC050M	25MHC050M	—
6,0	12MHC060M	20MHC060M	25MHC060M	32MHC060M
7,0	12MHC070M	20MHC070M	25MHC070M	32MHC070M
8,0	12MHC080M	20MHC080M	25MHC080M	32MHC080M
9,0	12MHC090M	20MHC090M	25MHC090M	32MHC090M
10,0	12MHC100M	20MHC100M	25MHC100M	32MHC100M
11,0	—	20MHC110M	—	32MHC110M
12,0	—	20MHC120M	25MHC120M	32MHC120M
13,0	—	20MHC130M	—	32MHC130M
14,0	—	20MHC140M	25MHC140M	32MHC140M
15,0	—	20MHC150M	—	32MHC150M
16,0	—	20MHC160M	25MHC160M	32MHC160M
17,0	—	—	—	32MHC170M
18,0	—	—	25MHC180M	32MHC180M
19,0	—	—	—	32MHC190M
20,0	—	—	25MHC200M	32MHC200M
22,0	—	—	—	32MHC220M
25,0	—	—	—	32MHC250M

(continued)

Collets and Sleeves

(HC Hydraulic Chuck Sleeves continued)

### ■ Metric with Inch Bores

D1	20HC D = 20mm D2 = 25mm L1 = 50mm	32HC D = 32mm D2 = 36mm L1 = 60mm
3/16	20HCM0188	—
1/4	20HCM0250	—
5/16	20HCM0312	—
3/8	20HCM0375	—
7/16	20HCM0438	—
1/2	20HCM0500	32HCM0500
9/16	20HCM0562	32HCM0562
5/8	20HCM0625	32HCM0625
11/16	—	32HCM0688
3/4	—	32HCM0750
7/8	—	32HCM0875
1	—	32HCM1000

### ■ Inch with Metric Bores

D1	50HC D = .500 D2 = .630 L1 = 1.575	75HC D = .750 D2 = .984 L1 = 1.969	12HC D = 1.250 D2 = 1.417 L1 = 2.362
3,0	50HC030M	75HC030M	—
4,0	50HC040M	75HC040M	—
5,0	50HC050M	75HC050M	—
6,0	50HC060M	75HC060M	—
8,0	50HC080M	75HC080M	—
10,0	50HC100M	75HC100M	—
12,0	—	75HC120M	—
14,0	—	75HC140M	—
16,0	—	75HC160M	12HC160M
18,0	—	—	12HC180M
20,0	—	—	12HC200M
25,0	—	—	12HC250M

### ■ Inch with Inch Bores

D1	50HC D = .500 D2 = .630 L1 = 1.575	75HC D = .750 D2 = .945 L1 = 1.969	12HC D = 1.250 D2 = 1.417 L1 = 2.362
1/8	50HC0125	75HC0125	—
3/16	50HC0188	75HC0188	—
1/4	50HC0250	75HC0250	—
5/16	50HC0312	75HC0312	—
3/8	50HC0375	75HC0375	—
7/16	—	75HC0438	—
1/2	—	75HC0500	12HC0500
9/16	—	75HC0562	12HC0562
5/8	—	75HC0625	12HC0625
11/16	—	—	12HC0688
3/4	—	—	12HC0750
13/16	—	—	12HC0812
7/8	—	—	12HC0875
1	—	—	12HC1000

NOTE: Inserting the cutting tool less than the full gripping length (L9) of the sleeve can permanently damage the sleeve and hydraulic chuck. Full length of the gripping bore needs to be maintained to achieve maximum accuracy, safety, and coolant sealing feature.

Collets and Sleeves

# ERICKSON™ SMC Bearing Milling Chuck Sleeves • Milling

## Primary Application

ERICKSON Bearing Milling Chuck Reduction Sleeves are specially designed for high-precision clamping of straight cylindrical cutting tool shanks. These are not self-sealing designed and rely on the back-up screws in the milling chuck for sealing coolant through the cutting tool.

## Features and Benefits

- One-piece design.
- Cutting tool shank requirement tolerance is h6.
- Maximum collapse is h6.



- One-piece design.
- Cutting tool must be cylindrical and have a through hole when using coolant.
- Cutting tool shank requirement tolerance is h6 and Ra  $\geq 0,3 \mu\text{m}$  (12  $\mu\text{in}$ ) surface finish.
- Maximum collapse is h6.



### ERICKSON

**20**

System Size

- 20 = 20mm
- 25 = 25mm
- 32 = 32mm
- 75 = 3/4"
- 10 = 1"
- 12 = 1-1/4"

**SMC**

Sleeve Style

**SMC** = Milling Chuck

**120**

Sleeve Bore Size

**metric (xx.x)**

- 010 = 1mm
- 160 = 16mm
- 245 = 24,5mm

**inch (x.xxx)**

- 0125 = 1/8"
- 0500 = 1/2"
- 1000 = 1"

**M**

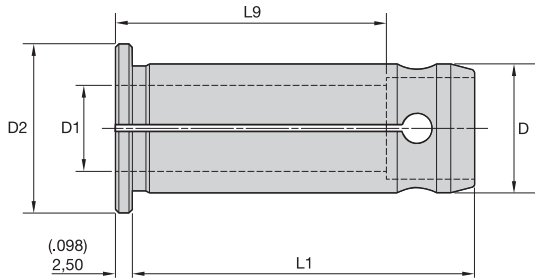
Identification Value

**M** = Sleeve bore size built to metric values  
**(blank)** = Sleeve bore size built to metric values





- One-piece design.
- Cutting tool must be cylindrical and have a through hole when using coolant.
- Sleeve must be inserted completely into the milling chuck until shoulder mates against the chuck front face.
- Cutting tools must be in full contact with the sleeve bore length (L9).
- Maximum collapse is h6.
- Metric and inch bores are available.



**ERICKSON™**

■ Metric with Metric Bores

D1	20SMC D = 20mm D2 = 25mm L1 = 50,5mm	32SMC D = 32mm D2 = 37mm L1 = 61,51mm	L9
6	20SMC060M	32SMC060M	32,0
8	20SMC080M	32SMC080M	35,0
10	20SMC100M	—	36,0
10	—	32SMC100M	38,0
12	20SMC120M	—	40,0
12	—	32SMC120M	42,5
16	20SMC160M	—	41,0
16	—	32SMC160M	47,5
20	—	32SMC200M	48,5
25	—	32SMC250M	51,5

■ Inch with Metric Bores

D1	75SMC D = 19,05mm D2 = 25mm L1 = 50,5mm	10SMC D = 25,4mm D2 = 29mm L1 = 58,5mm	12SMC D = 31,75mm D2 = 37mm L1 = 61,51mm	L9
.2362	75SMC060M	10SMC060M	12SMC060M	1.260
.3150	75SMC080M	10SMC080M	12SMC080M	1.378
.3937	75SMC100M	—	—	1.417
.3937	—	—	12SMC100M	1.496
.3937	—	10SMC100M	—	1.516
.4724	75SMC120M	—	—	1.575
.4724	—	10SMC120M	12SMC120M	1.673
.5512	75SMC140M	—	—	1.614
.5512	—	10SMC140M	—	1.673
.5512	—	—	12SMC140M	1.752
.6299	75SMC160M	—	—	1.614
.6299	—	10SMC160M	12SMC160M	1.870

(continued)

Collets and Sleeves

(SMC Milling Chuck Sleeves continued)

D1	75SMC D = 19,05mm D2 = 25mm L1 = 50,5mm	10SMC D = 25,4mm D2 = 29mm L1 = 58,5mm	12SMC D = 31,75mm D2 = 37mm L1 = 61,51mm	L9
.7087	—	—	12SMC180M	1.870
.7087	—	10SMC180M	—	1.909
.7874	—	10SMC200M	12SMC200M	1.909
.8661	—	—	12SMC220M	1.949
.9843	—	—	12SMC250M	2.028

### ■ Inch with Inch Bores

D1	75SMC D = .750 D2 = .984 L1 = 1.988	10SMC D = 1.000 D2 = 1.142 L1 = 2.303	12SMC D = 1.250 D2 = 1.457 L1 = 2.422	L9
1/8	75SMC0125	10SMC0125	12SMC0125	.709
3/16	75SMC0188	10SMC0188	12SMC0188	.984
1/4	75SMC0250	10SMC0250	12SMC0250	1.260
5/16	75SMC0312	10SMC0312	12SMC0312	1.378
3/8	75SMC0375	—	—	1.417
3/8	—	—	12SMC0375	1.496
3/8	—	10SMC0375	—	1.516
7/16	75SMC0438	10SMC0438	12SMC0438	1.575
1/2	75SMC0500	—	—	1.575
1/2	—	10SMC0500	12SMC0500	1.673
9/16	75SMC0563	—	—	1.614
9/16	—	10SMC0563	—	1.673
9/16	—	—	12SMC0563	1.752
5/8	75SMC0625	—	—	1.614
5/8	—	10SMC0625	12SMC0625	1.870
3/4	—	10SMC0750	12SMC0750	1.909
7/8	—	10SMC0875	—	1.909
7/8	—	—	12SMC0875	1.949
1	—	—	12SMC1000	2.028

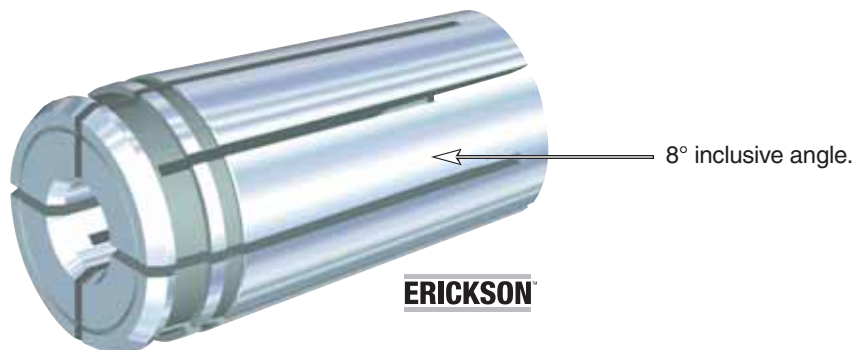
# ERICKSON™ • TG Single-Angle Collets

## Primary Application

TG — Tremendous Grip Collets are manufactured according to the original ERICKSON standard and developed to utilize the full power available from the modern machine tool. A slow taper (8° inclusive angle) is used to produce maximum wedge action as the collet is forced back into the chuck body from the actuating locknut. From all the Collets Kennametal offers, the TG system is superior on grip, versatile in applications, and the most accurate. They are ideal for end milling, drilling, tapping, reaming, and boring solutions and available in a variety of styles, TG50, TG75, TG100, and TG150, with clamping ranges from 0,5–40mm (.0197–1.5000").

## Features and Benefits

- Original ERICKSON standard.
- Slow 8° inclusive angle taper for best grip (approximately 3:1).
- Standard design accuracy to DIN 6499 Class 2 accuracy.
- HP design accuracy to DIN 6499 Class 1 accuracy.
- Bonded style available for through-coolant applications.
- Non-pullout style to captivate Weldon®-style end mills.
- Dedicated versions for tapping — driving off the square of the tap.



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy, see page M103.

100TGC160M

## ERICKSON

**100**

System Size

- 50 = 50
- 75 = 75
- 100 = 100
- 150 = 150

**TG**

Collet Style

**TG** = Tremendous Grip, single angle

**C**

Special Features  
*(optional)*

- C** = Coolant style — bonded
- HP** = High precision
- CHP** = Coolant/high precision
- NP** = Non-pullout (slot for drive)
- ST** = Solid tapping (slot for drive)
- STC** = Solid tapping/coolant (slot for drive)

**160**

Collet Bore Size

- metric (xx.x)**
- 010 = 1mm
- 160 = 16mm
- 245 = 24,5mm
- inch (x.xxx)**
- 0125 = 1/8"
- 0500 = 1/2"
- 1000 = 1"

**M**

Identification Value

- M** = Sleeve bore size built to metric values
- (blank)** = Sleeve bore size built to metric values



### TG • Tremendous Grip

- Provides Tremendous Grip and accuracy for all drilling applications.
- 0,4mm [.016" (1/64)] range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy.

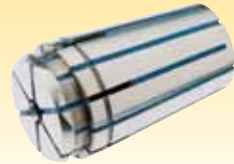
**ERICKSON**



### TGC • Tremendous Grip Coolant

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Suitable for coolant pressure up to 100 bar (1500 psi).
- Unique design features permit easy entry into nosepiece.
- Available from stock in all popular sizes.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.
- Design enables flutes of drills to enter collet, unlike competitive designs.

**ERICKSON**



### TGHP • Tremendous Grip High Precision

- Twice as accurate as standard TG- and ER-style collets.
- Available from stock in all popular sizes.
- Can be used in all standard TG-style collet chucks.
- 0,25mm (.010") range of collapse.
- Manufactured to DIN 6499 Class 1 accuracy.

**ERICKSON**



### TGCHP • Tremendous Grip Coolant High Precision

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Suitable for coolant pressure up to 100 bar (1500 psi).
- Unique design features permit easy entry into nosepiece.
- Available from stock in all popular sizes.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.
- Manufactured to DIN 6499 Class 1 accuracy.

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### TGNP • Tremendous Grip Non-Pullout, Weldon® Style

- Positive retention and drive provided by drive wedge in collet.
- Eliminates inaccuracy created by solid end mill holders.
- 0,13mm (.005") range of collapse.
- Fits all standard TG-style collet chucks.

**ERICKSON**



### TGST • Tremendous Grip Single-Angle Tap Collet

- Designed to grip the tap on the shank and square.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.

**ERICKSON**



### TGSTC • Tremendous Grip Single-Angle Tap Collet, Coolant Style

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Suitable for coolant pressure up to 70 bar (1000 psi).
- Designed to grip the tap on the shank and square.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.

**ERICKSON**





# ERICKSON™

## Superior Gripping

**For bearing milling chucks when grip counts. ERICKSON — the industry name you can trust.**

- Heavy and fine milling applications.
- Great accuracy  $\leq 5\mu\text{m}$  (.0002") at 3 x D and best gripping system.
- Pre-balanced to high specifications.
- Versatile as a collet chuck with the use of reduction sleeves.

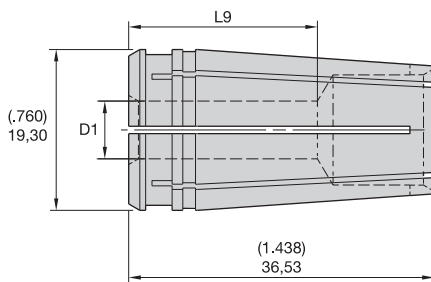
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[www.kennametal.com](http://www.kennametal.com)

 **KENNAMETAL®**



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 50TG 0,4mm [.016" (1/64)] range of collapse.
- 50TGC and 50TGCHP 0,13mm (.005") range of collapse.
- 50TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



### ERICKSON™

#### TG50 Series • Metric

D1	50TG standard	50TGC standard – coolant	50TGHP high precision	50TGCHP high precision – coolant	collet capacity max mm	collet capacity min mm	L9
1,5	50TG015M	–	–	–	1,50	1,10	11,9
2,0	50TG020M	–	–	–	2,00	1,60	12,0
2,5	50TG025M	–	–	–	2,50	2,10	18,0
3,0	50TG030M	–	–	–	3,00	2,60	18,2
3,5	50TG035M	–	–	–	3,50	3,10	18,4
4,0	50TG040M	–	–	–	4,00	3,60	21,7
4,0	–	–	50TGHP040M	–	4,00	3,75	21,7
4,5	50TG045M	–	–	–	4,50	4,10	21,9
5,0	50TG050M	–	–	–	5,00	4,60	22,0
5,5	50TG055M	–	–	–	5,50	5,10	22,2
6,0	–	–	50TGHP060M	–	6,00	5,75	22,3
6,0	50TG060M	–	–	–	6,00	5,60	22,3
6,0	–	50TGC060M	–	–	6,00	5,87	22,3
6,0	–	–	–	50TGCHP060M	5,90	5,87	22,4
6,5	50TG065M	–	–	–	6,50	6,10	22,3
7,0	50TG070M	–	–	–	7,00	6,60	29,0

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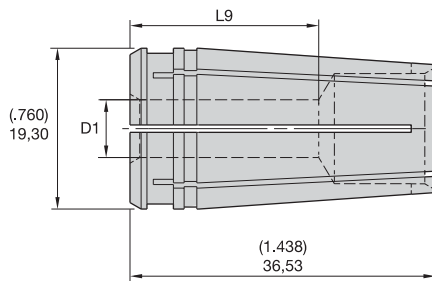
(TG50 Series continued)

D1	50TG standard	50TGC standard – coolant	50TGHP high precision	50TGCHP high precision – coolant	collet capacity max mm	collet capacity min mm	L9
7,5	50TG075M	–	–	–	7,50	7,10	29,1
8,0	–	50TGC080M	–	–	8,00	7,87	22,9
8,0	–	–	–	50TGCHP080M	7,90	7,87	23,0
8,0	50TG080M	–	–	–	8,00	7,60	29,3
8,0	–	–	50TGHP080M	–	8,00	7,75	29,4
8,5	50TG085M	–	–	–	8,50	8,10	29,4
9,0	50TG090M	–	–	–	9,00	8,60	29,6
9,5	50TG095M	–	–	–	9,50	9,10	29,9
10,0	–	50TGC100M	–	–	10,00	9,87	30,0
10,0	–	–	–	50TGCHP100M	9,90	9,87	30,0
10,0	–	–	50TGHP100M	–	10,00	9,75	30,0
10,0	50TG100M	–	–	–	10,00	9,60	30,0
10,5	50TG105M	–	–	–	10,50	10,10	30,2
11,0	50TG110M	–	–	–	11,00	10,60	30,3
11,5	50TG115M	–	–	–	11,50	11,10	30,5
12,0	–	50TGC120M	–	–	12,00	11,87	30,3
12,0	50TG120M	–	–	–	12,00	11,60	30,6
12,0	–	–	–	50TGCHP120M	11,90	11,87	30,6
12,0	–	–	50TGHP120M	–	12,00	11,75	30,6
12,5	50TG125M	–	–	–	12,50	12,10	30,8
13,0	50TG130M	–	–	–	13,00	12,60	30,9
13,5	50TG135M	–	–	–	13,50	13,10	36,5

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet. Full length of the gripping bore must be maintained to achieve maximum accuracy and safety. Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers. Never try to stretch the collets by clamping oversized cutting tools.



- Rubber-filled slots seal collet for coolant-fed tool applications.
- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 0,13mm (.005") range of collapse.
- 50TG 0,4mm [.016" (1/64)] range of collapse.
- 50TGTC and 50TGCHP 0,13mm (.005") range of collapse.
- 50TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



### ERICKSON™

#### ■ TG50 Series • Inch

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max inch	collet capacity min inch	L9
3/64	50TG0047	—	—	—	.0470	.0313	.465
1/16	50TG0062	—	—	—	.0625	.0469	.470
5/64	50TG0078	—	—	—	.0780	.0625	.475
3/32	50TG0094	—	—	—	.0940	.0781	.710
7/64	50TG0109	—	—	—	.1090	.0938	.715
1/8	—	—	50TGHP0125	—	.1250	.1150	.719
1/8	50TG0125	—	—	—	.1250	.1094	.720
1/8	—	—	—	50TGCHP0125	.1250	.1200	.847
9/64	—	50TGC0141	—	—	.1406	.1356	.852
9/64	50TG0141	—	—	—	.1410	.1250	.725
5/32	50TG0156	—	—	—	.1560	.1406	.855
5/32	—	50TGC0156	—	—	.1563	.1513	.857

(continued)

(TG50 Series continued)

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max inch	collet capacity min inch	L9
11/64	—	50TGC0172	—	—	.1719	.1669	.861
11/64	50TG0172	—	—	—	.1720	.1563	.860
3/16	—	—	50TGHP0188	—	.1875	.1775	.865
3/16	—	50TGC0188	—	50TGCHP0188	.1875	.1825	.866
3/16	50TG0188	—	—	—	.1880	.1719	.865
13/64	50TG0203	—	—	—	.2030	.1875	.870
13/64	—	50TGC0203	—	—	.2031	.1981	.871
7/32	—	50TGC0219	—	—	.2188	.2138	.876
7/32	50TG0219	—	—	—	.2190	.2031	.875
15/64	50TG0234	—	—	—	.2340	.2188	.880
1/4	—	50TGC0250	—	50TGCHP0250	.2500	.2450	.885
1/4	—	—	50TGHP0250	—	.2500	.2400	1.139
1/4	50TG0250	—	—	—	.2500	.2344	1.139
17/64	—	50TGC0266	—	—	.2656	.2606	.890
17/64	50TG0266	—	—	—	.2660	.2500	1.144
9/32	50TG0281	—	—	—	.2810	.2656	1.148
9/32	—	50TGC0281	—	—	.2813	.2763	.894
19/64	50TG0297	—	—	—	.2970	.2813	1.153
5/16	50TG0312	—	—	—	.3120	.2969	1.158
5/16	—	50TGC0312	—	50TGCHP0312	.3125	.3075	.904
5/16	—	—	50TGHP0312	—	.3125	.3025	1.158
21/64	50TG0328	—	—	—	.3280	.3125	1.163
21/64	—	50TGC0328	—	—	.3281	.3231	.908
11/32	—	50TGC0344	—	—	.3438	.3388	.913
11/32	50TG0344	—	—	—	.3440	.3281	1.167
23/64	50TG0359	—	—	—	.3590	.3438	1.172
23/64	—	50TGC0359	—	—	.3594	.3544	.918
3/8	—	50TGC0375	—	50TGCHP0375	.3750	.3700	.922
3/8	50TG0375	—	—	—	.3750	.3594	1.177
3/8	—	—	50TGHP0375	—	.3750	.3650	1.177
25/64	—	50TGC0391	—	—	.3906	.3856	1.182
25/64	50TG0391	—	—	—	.3910	.3750	1.181
13/32	50TG0406	—	—	—	.4060	.3906	1.186
13/32	—	50TGC0406	—	—	.4063	.4013	1.187
27/64	—	50TGC0422	—	—	.4219	.4169	1.192
27/64	50TG0422	—	—	—	.4220	.4063	1.191
7/16	—	—	50TGHP0438	—	.4375	.4275	1.195
7/16	—	50TGC0438	—	50TGCHP0438	.4375	.4325	1.196
7/16	50TG0438	—	—	—	.4380	.4219	1.196
29/64	50TG0453	—	—	—	.4530	.4375	1.200

(continued)



(TG50 Series continued)

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max inch	collet capacity min inch	L9
29/64	—	50TGC0453	—	—	.4531	.4481	1.201
15/32	50TG0469	—	—	—	.4680	.4531	1.205
15/32	—	50TGC0469	—	—	.4688	.4638	1.206
31/64	50TG0484	—	—	—	.4840	.4688	1.209
31/64	—	50TGC0484	—	—	.4844	.4794	1.210
1/2	—	—	50TGHP0500	—	.5000	.4900	1.214
1/2	50TG0500	—	—	—	.5000	.4844	1.214
1/2	—	50TGC0500	—	50TGCHP0500	.5000	.4950	1.215
33/64	—	50TGC0516	—	—	.5156	.5106	1.220
33/64	50TG0516	—	—	—	.5160	.5000	1.209
17/32	50TG0531	—	—	—	.5310	.5156	1.438
17/32	—	50TGC0531	—	—	.5313	.5263	1.438

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet. Full length of the gripping bore must be maintained to achieve maximum accuracy and safety. Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers. Never try to stretch the collets by clamping oversized cutting tools.



- An economical way to purchase a group of collets.



**ERICKSON**

■ TG50 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S50TG1SET	TG50	32	3/16 - 17/64	1/64
S50TG2SET	TG50	15	3/32 - 17/64	1/32

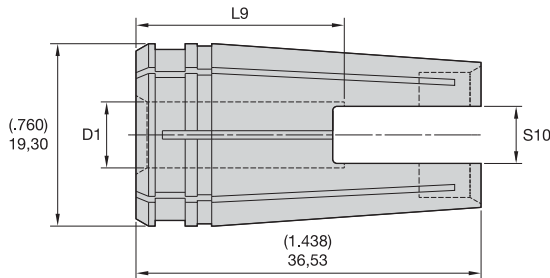


# Collets and Sleeves

## TG50 Single-Angle Solid Tap Collets



- Rubber-filled slots seal collet for coolant-fed tool applications.
- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for tapping applications.
- Slot in back of collets acts as a drive for the tap square.
- Industry-standard Erickson™ single-angle collet system.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.



### ERICKSON™

#### TG50 Solid Tap Collet • Metric DIN and ISO

tap size	50TGST solid tap — non-coolant	collet series	D1	S10	L9
M1 & M1,8 & M3 & M3,5	50TGST025021M	TG50	2,5	2,1	17,0
M2,5 & M4	50TGST028021M	TG50	2,8	2,1	17,0
M3 & M4	50TGST032025M	TG50	3,2	2,5	17,0
M3 & M5	50TGST035027M	TG50	3,5	2,7	17,0
M4 & M5	50TGST040032M	TG50	4,0	3,2	17,0
M4 & M6	50TGST045034M	TG50	4,5	3,4	17,0
M5	50TGST050040M	TG50	5,0	4,0	17,0
M5 & M6 & M7 & M8	50TGST060049M	TG50	6,0	4,9	17,0
M6	50TGST063050M	TG50	6,3	4,9	17,0
M10	50TGST070055M	TG50	7,0	5,5	17,0
M7	50TGST071056M	TG50	7,1	5,6	17,0
M8	50TGST080062M	TG50	8,0	6,2	17,0
M12	50TGST090070M	TG50	9,0	7,0	17,0
M10	50TGST100080M	TG50	10,0	8,0	17,0
M14	50TGST110090M	TG50	11,0	9,0	17,0
M16	50TGST120090M	TG50	12,0	9,0	17,0

(continued)

(TG50 Single-Angle Solid Tap Collets continued)

■ TG50 Solid Tap Collet • Inch/Metric ANSI

mm	tap size		50TGST solid tap — non-coolant	50TGSTC solid tap — coolant	collet series	D1	S10	L9
	in							
M3 & M3,15 & M3,5	#0-#6 & 1/8		50TGST6	—	TG50	.141	.110	.775
M4	#8 & 5/32		50TGST8	—	TG50	.168	.131	.775
M4,5 & M5	#10 & 3/16		50TGST10	—	TG50	.194	.152	.900
—	#12 & 7/32		50TGST12	—	TG50	.220	.165	.807
M6 & M6,3	#14 & 1/4		50TGST025	50TGSTC025	TG50	.255	.191	.838
—	1/16P & 1/8P(SS)		50TGST006P	—	TG50	.313	.234	.775
M7 & M8	5/16		50TGST031	50TGSTC031	TG50	.318	.238	.868
—	7/16		50TGST043	50TGSTC043	TG50	.323	.242	.963
M12 & M12,5	1/2		50TGST050	50TGSTC050	TG50	.367	.275	.932
M10	3/8		50TGST037	50TGSTC037	TG50	.381	.286	.900
M14	9/16		50TGST056	50TGSTC056	TG50	.429	.322	.937
—	1/8P(LS)		50TGST012P	—	TG50	.438	.328	.775
M16	5/8		50TGST062	—	TG50	.480	.360	.876

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.

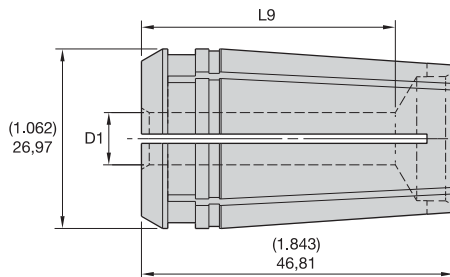
Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.

Never try to stretch the collets by clamping oversized cutting tools.



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 75TG 0,4mm [.016" (1/64)] range of collapse.
- 75TGC and 75TGCHP 0,13mm (.005") range of collapse.
- 75TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



### ERICKSON™

#### TG75 Series • Metric

D1	75TG standard	75TGC standard – coolant	75TGHP high precision	75TGCHP high precision – coolant	collet capacity max mm	collet capacity min mm	L9
3,0	75TG030M	–	–	–	3,00	2,60	18,6
3,5	75TG035M	–	–	–	3,50	3,10	18,8
4,0	75TG040M	–	–	–	4,00	3,60	22,1
4,0	–	–	75TGHP040M	–	4,00	3,75	22,1
4,5	75TG045M	–	–	–	4,50	4,10	22,3
5,0	75TG050M	–	–	–	5,00	4,60	22,5
5,5	75TG055M	–	–	–	5,50	5,10	22,6
6,0	–	75TGC060M	–	–	6,00	5,87	22,8
6,0	75TG060M	–	–	–	6,00	5,60	22,8
6,0	–	–	75TGHP060M	–	6,00	5,75	22,8
6,0	–	–	–	75TGCHP060M	6,00	5,87	22,8
6,5	75TG065M	–	–	–	6,50	6,10	37,7
7,0	75TG070M	–	–	–	7,00	6,60	37,8
7,5	75TG075M	–	–	–	7,50	7,10	38,0
8,0	–	75TGC080M	–	75TGCHP080M	8,00	7,87	25,9
8,0	–	–	75TGHP080M	–	8,00	7,75	38,1

(continued)

(TG75 Series continued)

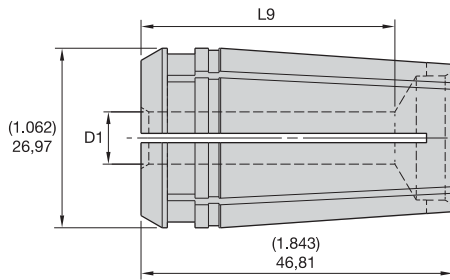
D1	75TG standard	75TGC standard – coolant	75TGHP high precision	75TGCHP high precision – coolant	collet capacity max mm	collet capacity min mm	L9
8,0	75TG080M	–	–	–	8,00	7,60	38,1
8,5	75TG085M	–	–	–	8,50	8,10	38,3
9,0	75TG090M	–	–	–	9,00	8,60	38,4
9,5	75TG095M	–	–	–	9,50	9,10	38,6
10,0	–	–	–	75TGCHP100M	10,00	9,87	38,7
10,0	–	–	75TGHP100M	–	10,00	9,75	38,7
10,0	75TG100M	–	–	–	10,00	9,60	38,7
10,0	–	75TGC100M	–	–	10,00	9,87	38,7
10,5	75TG105M	–	–	–	10,50	10,10	38,8
11,0	75TG110M	–	–	–	11,00	10,60	39,0
11,5	75TG115M	–	–	–	11,50	11,10	39,1
12,0	–	75TGC120M	–	–	12,00	11,87	39,3
12,0	75TG120M	–	–	–	12,00	11,60	39,3
12,0	–	–	75TGHP120M	–	12,00	11,75	39,3
12,0	–	–	–	75TGCHP120M	12,00	11,87	39,3
12,5	75TG125M	–	–	–	12,50	12,10	39,4
13,0	75TG130M	–	–	–	13,00	12,60	39,6
13,5	75TG135M	–	–	–	13,50	13,10	39,7
14,0	–	75TGC140M	–	75TGCHP140M	14,00	13,87	39,9
14,0	–	–	75TGHP140M	–	14,00	13,75	46,8
14,0	75TG140M	–	–	–	14,00	13,60	46,8
14,5	75TG145M	–	–	–	14,50	14,10	46,8
15,0	75TG150M	–	–	–	15,00	14,60	46,8
15,5	75TG155M	–	–	–	15,50	15,10	46,8
16,0	–	75TGC160M	–	75TGCHP160M	16,00	15,87	40,5
16,0	75TG160M	–	–	–	16,00	15,60	46,8
16,0	–	–	75TGHP160M	–	16,00	15,75	46,8
16,5	75TG165M	–	–	–	16,50	16,10	46,8
17,0	75TG170M	–	–	–	17,00	16,60	46,8
17,5	75TG175M	–	–	–	17,50	17,10	46,8
18,0	–	75TGC180M	–	75TGCHP180M	18,00	17,87	41,1
18,0	75TG180M	–	–	–	18,00	17,60	46,8
18,0	–	–	75TGHP180M	–	18,00	17,75	46,8
19,0	75TG190M	–	–	–	19,00	18,60	46,8
19,5	75TG195M	–	–	–	19,50	19,10	46,8
20,0	75TG200M	–	–	–	20,00	19,60	46,8
20,0	–	75TGC200M	–	75TGCHP200M	20,00	19,87	46,8
20,0	–	–	75TGHP200M	–	20,00	19,75	46,8

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet. Full length of the gripping bore must be maintained to achieve maximum accuracy and safety. Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers. Never try to stretch the collets by clamping oversized cutting tools.

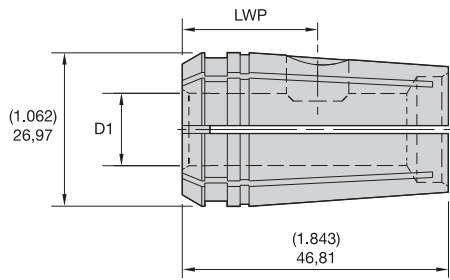
Collets and Sleeves



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 75TG and 75TGC 0,4mm [.016" (1/64)] range of collapse.
- 75TGCHP and 75TGNP 0,13mm (.005") range of collapse.
- 75TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



TG Collet – NP



TG Collet – NP

**ERICKSON™**

■ TG75 Series • Inch

D1	75TG standard	75TGC standard – coolant	75TGHP high precision	75TGCHP high precision – coolant	75TGNP milling – non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
1/16	75TG0062	–	–	–	–	.0620	.0469	.485	–
5/64	75TG0078	–	–	–	–	.0780	.0625	.490	–
3/32	75TG0094	–	–	–	–	.0940	.0781	.725	–
7/64	75TG0109	–	–	–	–	.1090	.0938	.730	–

(continued)

(TG75 Series continued)

D1	75TG standard	75TGC standard – coolant	75TGHP high precision	75TGCHP high precision – coolant	75TGNP milling – non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
1/8	75TG0125	–	–	–	–	.1250	.1094	.735	–
1/8	–	–	75TGHP0125	–	–	.1250	.1150	.735	–
9/64	75TG0141	–	–	–	–	.1410	.1250	.740	–
5/32	75TG0156	–	–	–	–	.1560	.1406	.872	–
11/64	75TG0172	–	–	–	–	.1720	.1563	.877	–
3/16	–	–	75TGHP0188	–	–	.1875	.1775	.881	–
3/16	75TG0188	–	–	–	–	.1880	.1719	.881	–
13/64	75TG0203	–	–	–	–	.2030	.1875	.886	–
7/32	75TG0219	–	–	–	–	.2190	.2031	.891	–
15/64	75TG0234	–	–	–	–	.2340	.2188	.895	–
1/4	–	–	–	75TGCHP0250	–	.2500	.2450	1.000	–
1/4	–	75TGC0250	–	–	–	.2500	.2450	1.001	–
1/4	–	–	75TGHP0250	–	–	.2500	.2400	1.480	–
1/4	75TG0250	–	–	–	–	.2500	.2344	1.481	–
17/64	–	75TGC0266	–	–	–	.2656	.2606	1.006	–
17/64	75TG0266	–	–	–	–	.2660	.2500	1.486	–
9/32	75TG0281	–	–	–	–	.2810	.2656	1.490	–
9/32	–	75TGC0281	–	–	–	.2813	.2763	1.010	–
19/64	–	75TGC0297	–	–	–	.2969	.2919	1.015	–
19/64	75TG0297	–	–	–	–	.2970	.2813	1.495	–
5/16	75TG0312	–	–	–	–	.3120	.2969	1.500	–
5/16	–	75TGC0312	–	–	–	.3125	.3075	1.020	–
5/16	–	–	75TGHP0312	–	–	.3125	.3025	1.499	–
21/64	75TG0328	–	–	–	–	.3280	.3125	1.505	–
21/64	–	75TGC0328	–	–	–	.3281	.3231	1.024	–
11/32	–	75TGC0344	–	–	–	.3438	.3281	1.029	–
11/32	75TG0344	–	–	–	–	.3440	.3281	1.509	–
23/64	75TG0359	–	–	–	–	.3590	.3438	1.514	–
23/64	–	75TGC0359	–	–	–	.3594	.3544	1.034	–
3/8	–	–	–	75TGCHP0375	–	.3750	.3700	1.038	–
3/8	–	–	75TGHP0375	–	–	.3750	.3650	1.518	–
3/8	–	75TGC0375	–	–	–	.3750	.3700	1.518	–
3/8	75TG0375	–	–	–	–	.3750	.3594	1.519	–
3/8	–	–	–	–	75TGPN0375	.3750	–	–	.703
25/64	–	75TGC0391	–	–	–	.3906	.3856	1.523	–
25/64	75TG0391	–	–	–	–	.3910	.3750	1.521	–
13/32	75TG0406	–	–	–	–	.4060	.3906	1.526	–
13/32	–	75TGC0406	–	–	–	.4063	.4013	1.528	–
27/64	–	75TGC0422	–	–	–	.4219	.4169	1.533	–
27/64	75TG0422	–	–	–	–	.4220	.4063	1.531	–
7/16	–	–	75TGHP0438	–	–	.4375	.4275	1.535	–
7/16	–	75TGC0438	–	75TGCHP0438	–	.4375	.4325	1.537	–
7/16	75TG0438	–	–	–	–	.4380	.4219	1.536	–
29/64	75TG0453	–	–	–	–	.4530	.4375	1.540	–
29/64	–	75TGC0453	–	–	–	.4531	.4481	1.542	–
15/32	–	75TGC0469	–	–	–	.4688	.4638	1.547	–
15/32	75TG0469	–	–	–	–	.4690	.4531	1.545	–
31/64	75TG0484	–	–	–	–	.4840	.4688	1.549	–

(continued)

Collets and Sleeves

(TG75 Series continued)

D1	75TG standard	75TGC standard – coolant	75TGHP high precision	75TGCHP high precision – coolant	75TGNP milling – non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
31/64	–	75TGC0484	–	–	–	.4844	.4794	1.551	–
1/2	75TG0500	–	–	–	–	.5000	.4844	1.554	–
1/2	–	–	75TGHP0500	–	–	.5000	.4900	1.554	–
1/2	–	75TGC0500	–	75TGCHP0500	–	.5000	.4950	1.556	–
1/2	–	–	–	–	75TGNP0500	.5000	–	–	.828
33/64	75TG0516	–	–	–	–	.5156	.5000	1.559	–
33/64	–	75TGC0516	–	–	–	.5156	.5106	1.561	–
17/32	75TG0531	–	–	–	–	.5310	.5156	1.563	–
17/32	–	75TGC0531	–	–	–	.5313	.5263	1.565	–
35/64	–	75TGC0547	–	–	–	.5469	.5419	1.570	–
35/64	75TG0547	–	–	–	–	.5470	.5313	1.843	–
9/16	75TG0562	–	–	–	–	.5620	.5469	1.843	–
9/16	–	75TGC0562	–	75TGCHP0562	–	.5625	.5575	1.575	–
9/16	–	–	75TGHP0562	–	–	.5625	.5525	1.843	–
37/64	75TG0578	–	–	–	–	.5780	.5625	1.843	–
37/64	–	75TGC0578	–	–	–	.5781	.5731	1.579	–
19/32	–	75TGC0594	–	–	–	.5938	.5888	1.584	–
19/32	75TG0594	–	–	–	–	.5940	.5781	1.843	–
39/64	75TG0609	–	–	–	–	.6090	.5938	1.843	–
39/64	–	75TGC0609	–	–	–	.6094	.6044	1.589	–
5/8	–	75TGC0625	–	75TGCHP0625	–	.6250	.6200	1.594	–
5/8	75TG0625	–	–	–	–	.6250	.6094	1.843	–
5/8	–	–	75TGHP0625	–	–	.6250	.6150	1.843	–
5/8	–	–	–	–	75TGNP0625	.6250	–	–	.859
41/64	–	75TGC0641	–	–	–	.6406	.6356	1.598	–
41/64	75TG0641	–	–	–	–	.6410	.6250	1.843	–
21/32	75TG0656	–	–	–	–	.6560	.6406	1.843	–
21/32	–	75TGC0656	–	–	–	.6563	.6513	1.603	–
43/64	–	75TGC0672	–	–	–	.6719	.6669	1.608	–
43/64	75TG0672	–	–	–	–	.6720	.6563	1.843	–
11/16	–	75TGC0688	–	75TGCHP0688	–	.6875	.6825	1.612	–
11/16	75TG0688	–	–	–	–	.6880	.6719	1.843	–
45/64	75TG0703	–	–	–	–	.7030	.6875	1.843	–
45/64	–	75TGC0703	–	–	–	.7031	.6981	1.617	–
23/32	–	75TGC0719	–	–	–	.7188	.7138	1.622	–
23/32	75TG0719	–	–	–	–	.7190	.7031	1.843	–
47/64	75TG0734	–	–	–	–	.7340	.7188	1.843	–
47/64	–	75TGC0734	–	–	–	.7344	.7294	1.843	–
3/4	–	–	75TGHP0750	–	–	.7500	.7400	1.843	–
3/4	–	75TGC0750	–	75TGCHP0750	–	.7500	.7450	1.843	–
3/4	75TG0750	–	–	–	–	.7500	.7344	1.843	–
3/4	–	–	–	–	75TGNP0750	.7500	–	–	.922

- An economical way to purchase a group of collets.



TG Collet

### ERICKSON

#### ■ TG75 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S75TG1SET	TG75	45	1/16 - 3/4	1/64
S75TG2SET	TG75	23	1/16 - 3/4	1/32
S75TG3SET	TG75	33	1/4 - 3/4	1/64
S75TG4SET	TG75	17	1/4 - 3/4	1/32



TG Collet — NP

#### ■ TG75 NP-Out Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S75TGNPSET	TG75	4	3/8 - 3/4	1/8



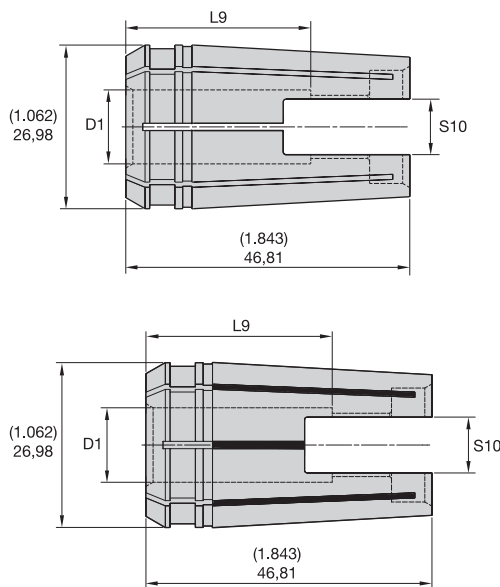
Collets and Sleeves

# Collets and Sleeves

## TG75 Single-Angle Solid Tap Collets



- Rubber-filled slots seal collet for coolant-fed tool applications.
- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 0,13mm (.005") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Slot in back of collets acts as a drive for the tap square.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.



Coolant Type (Bonded)

### ERICKSON™

#### ■ TG75 Solid Tap Collet • Solid Tap Coolant • Inch/Metric ANSI

tap size	tap size		75TGST solid tap	75TGSTC solid tap – coolant	collet series	D1	S10	L9
	mm	in						
M3 & M3,15 & M3,5		0-#6 & 1/8	75TGST6	–	TG75	.141	.110	.775
		M4	8 & 5/32	75TGST8	–	TG75	.168	.131
M4,5 & M5	–	10 & 3/16	75TGST10	–	TG75	.194	.152	.900
		12 & 7/32	75TGST12	–	TG75	.220	.165	.807
M6 & M6,3	–	14 & 1/4	75TGST025	75TGSTC025	TG75	.255	.191	.838
		1/16P & 1/8P(SS)	75TGST006P	–	TG75	.313	.234	.775
M7 & M8	–	5/16	75TGST031	75TGSTC031	TG75	.318	.238	.868
		7/16	75TGST043	75TGSTC043	TG75	.323	.242	.963

(continued)

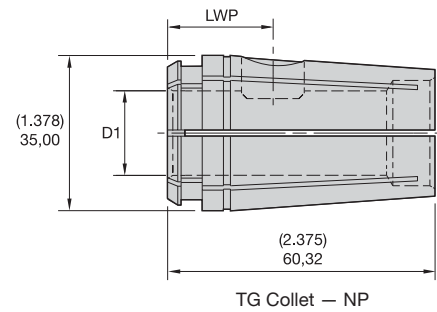
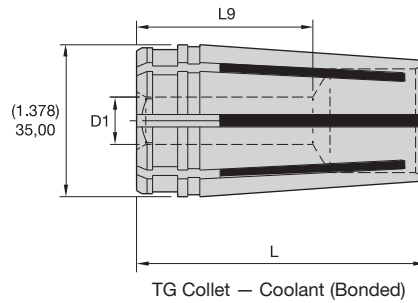
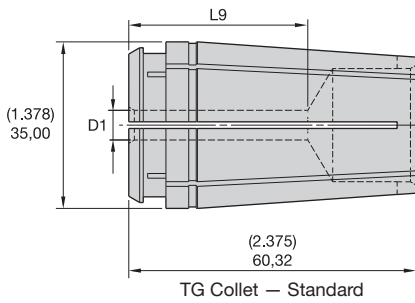
(TG75 Single-Angle Solid Tap Collets continued)

mm	tap size		75TGST solid tap	75TGSTC solid tap – coolant	collet series	D1	S10	L9
	in							
M12 & M12,5	1/2		<b>75TGST050</b>	<b>75TGSTC050</b>	TG75	.367	.275	.932
M10	3/8		<b>75TGST037</b>	<b>75TGSTC037</b>	TG75	.381	.286	.900
M14	9/16		<b>75TGST056</b>	–	TG75	.429	.322	1.087
–	1/8P(LS)		<b>75TGST012P</b>	–	TG75	.438	.328	.775
M16	5/8		<b>75TGST062</b>	<b>75TGSTC062</b>	TG75	.480	.360	1.031
M18	11/16		<b>75TGST068</b>	<b>75TGSTC068</b>	TG75	.542	.406	.968
–	1/4P		<b>75TGST025P</b>	–	TG75	.563	.421	.775
–	3/4		<b>75TGST075</b>	<b>75TGSTC075</b>	TG75	.590	.442	.906
M20	13/16		<b>75TGST081</b>	–	TG75	.652	.489	.906
–	1/2P		<b>75TGST050P</b>	–	TG75	.688	.515	.775
M22	7/8		<b>75TGST087</b>	<b>75TGSTC087</b>	TG75	.697	.523	.843
–	3/8P		<b>75TGST037P</b>	–	TG75	.700	.531	.775

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.  
 Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.  
 Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.  
 Never try to stretch the collets by clamping oversized cutting tools.



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 100TG 0,4mm [.016" (1/64)] range of collapse.
- 100TGC and 100TGCHP 0,13mm (.005") range of collapse.
- 100TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



### ERICKSON™

#### ■ TG100 Series • Metric

D1	100TG standard	100TGC standard – coolant	100TGHP high precision	100TGCHP high precision – coolant	100TGNP milling – non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
3,0	100TG030M	–	–	–	–	3,00	2,60	18,2	–
3,5	100TG035M	–	–	–	–	3,50	3,10	21,5	–
4,0	100TG040M	–	–	–	–	4,00	3,60	21,7	–
4,5	100TG045M	–	–	–	–	4,50	4,10	21,8	–
5,0	100TG050M	–	–	–	–	5,00	4,60	22,0	–
5,5	100TG055M	–	–	–	–	5,50	5,10	22,1	–
6,0	–	100TGC060M	–	–	–	6,00	5,87	22,3	–
6,0	100TG060M	–	–	–	–	6,00	5,60	22,3	–
6,0	–	–	100TGHP060M	–	–	6,00	5,87	22,3	–
6,0	–	–	–	–	100TGNP060M	6,00	–	–	16,0

(continued)

(TG100 Series continued)

D1	100TG standard	100TGC standard – coolant	100TGHP high precision	100TGCHP high precision – coolant	100TGNP milling – non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
6,5	100TG065M	–	–	–	–	6,50	6,10	37,6	–
7,0	100TG070M	–	–	–	–	7,00	6,60	37,8	–
7,5	100TG075M	–	–	–	–	7,50	7,10	37,9	–
8,0	–	100TGC080M	–	–	–	8,00	7,87	34,9	–
8,0	100TG080M	–	–	–	–	8,00	7,60	38,1	–
8,0	–	–	100TGHP080M	–	–	8,00	7,87	38,1	–
8,5	100TG085M	–	–	–	–	8,50	8,10	38,2	–
9,0	100TG090M	–	–	–	–	9,00	8,60	38,4	–
9,5	100TG095M	–	–	–	–	9,50	9,10	38,5	–
10,0	–	100TGC100M	–	100TGCHP100M	–	10,00	9,87	38,5	–
10,0	–	–	100TGHP100M	–	–	10,00	9,87	38,7	–
10,0	100TG100M	–	–	–	–	10,00	9,60	38,7	–
10,5	100TG105M	–	–	–	–	10,50	10,10	38,8	–
11,5	100TG115M	–	–	–	–	11,50	11,10	39,1	–
12,0	–	100TGC120M	–	100TGCHP120M	–	12,00	11,87	39,1	–
12,0	100TG120M	–	–	–	–	12,00	11,60	39,3	–
12,0	–	–	–	–	100TGNP120M	12,00	–	–	18,0
12,5	100TG125M	–	–	–	–	12,50	12,10	39,4	–
13,0	100TG130M	–	–	–	–	13,00	12,60	39,6	–
13,5	100TG135M	–	–	–	–	13,50	13,10	39,7	–
14,0	–	–	100TGHP140M	–	–	14,00	13,87	39,9	–
14,0	100TG140M	–	–	–	–	14,00	13,60	39,9	–
14,0	–	100TGC140M	–	100TGCHP140M	–	14,00	13,87	43,7	–
14,5	100TG145M	–	–	–	–	14,50	14,10	40,0	–
15,0	100TG150M	–	–	–	–	15,00	14,60	40,2	–
15,5	100TG155M	–	–	–	–	15,50	15,10	40,3	–
16,0	100TG160M	–	–	–	–	16,00	15,60	40,5	–
16,0	–	100TGC160M	–	100TGCHP160M	–	16,00	15,87	44,3	–
16,0	–	–	–	–	100TGNP160M	16,00	–	–	20,5
16,5	100TG165M	–	–	–	–	16,50	16,10	40,6	–
17,0	100TG170M	–	–	–	–	17,00	16,60	40,8	–
17,5	100TG175M	–	–	–	–	17,50	17,10	40,9	–
23,0	100TG230M	–	–	–	–	23,00	22,60	60,3	–
23,5	100TG235M	–	–	–	–	23,50	23,10	60,3	–
24,0	100TG240M	–	–	–	–	24,00	23,60	60,3	–
24,5	100TG245M	–	–	–	–	24,50	24,10	60,3	–
25,0	–	100TGC250M	–	100TGCHP250M	–	25,00	24,87	50,0	–
25,0	100TG250M	–	–	–	–	25,00	24,60	60,3	–
25,0	–	–	100TGHP250M	–	–	25,00	24,87	60,3	–
25,0	–	–	–	–	100TGNP250M	25,00	–	–	22,0
25,5	100TG255M	–	–	–	–	25,50	25,10	60,3	–

(continued)

Collets and Sleeves

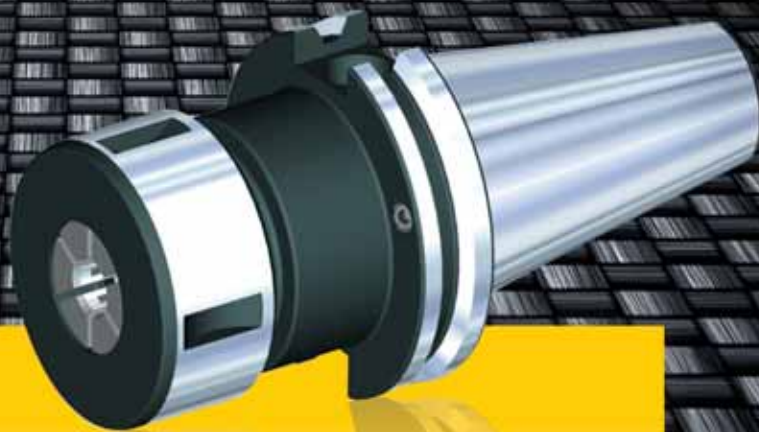


(TG100 Series continued)

D1	100TG standard	100TGC standard – coolant	100TGHP high precision	100TGCHP high precision – coolant	100TGNP milling – non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
18,0	100TG180M	–	–	–	–	18,00	17,60	41,1	–
18,0	–	–	100TGHP180M	–	–	18,00	17,87	41,1	–
18,0	–	100TGC180M	–	100TGCHP180M	–	18,00	17,87	44,9	–
18,5	100TG185M	–	–	–	–	18,50	18,10	41,2	–
19,0	100TG190M	–	–	–	–	19,00	18,60	41,4	–
19,5	100TG195M	–	–	–	–	19,50	19,10	60,3	–
20,0	–	100TGC200M	–	100TGCHP200M	–	20,00	19,87	48,5	–
20,0	100TG200M	–	–	–	–	20,00	19,60	60,3	–
20,0	–	–	100TGHP200M	–	–	20,00	19,87	60,3	–
20,0	–	–	–	–	100TGNP200M	20,00	–	–	23,0
20,5	100TG205M	–	–	–	–	20,50	20,10	60,3	–
21,0	100TG210M	–	–	–	–	21,00	20,60	60,3	–
22,0	100TG220M	–	–	–	–	22,00	21,60	60,3	–
22,5	100TG225M	–	–	–	–	22,50	22,10	60,3	–

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.  
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# ERICKSON™

**Count on Kennametal ERICKSON products for consistent, high-quality performance, even in the most challenging environments.**

When you buy Kennametal ERICKSON products, you can be sure you're buying the best the industry has to offer. The Kennametal ERICKSON portfolio — including Steep Taper, HSK, and collets and sleeve products — offers high productivity, increased accuracy, and application flexibility unmatched by anyone.

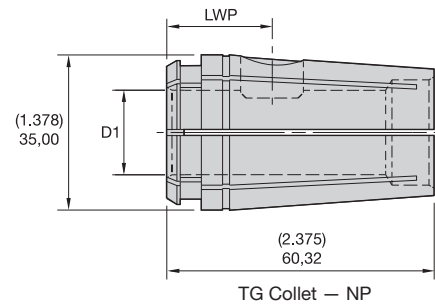
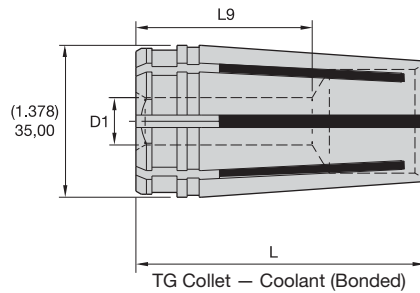
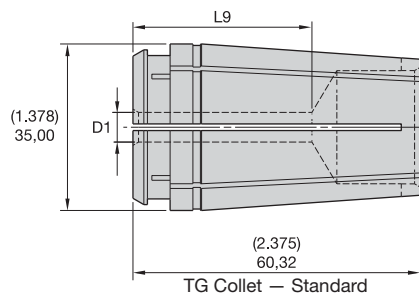
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- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 100TG 0,4mm [.016" (1/64)] range of collapse.
- 100TGC and 100TGCHP 0,13mm (.005") range of collapse.
- 100TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



TG Collet — NP

### ERICKSON™

#### TG100 Series • Inch

D1	100TG standard	100TGC standard – coolant	100TGHP high precision	100TGCHP high precision – coolant	100TGNP milling – non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
3/32	100TG0094	–	–	–	–	.0940	.0781	.707	–
7/64	100TG0109	–	–	–	–	.1090	.0938	.712	–
1/8	100TG0125	–	–	–	–	.1250	.1094	.844	–
1/8	–	–	100TGHP0125	–	–	.1250	.1150	.844	–
9/64	100TG0141	–	–	–	–	.1410	.1250	.848	–
5/32	100TG0156	–	–	–	–	.1563	.1410	.853	–
11/64	100TG0172	–	–	–	–	.1720	.1563	.858	–
3/16	–	–	100TGHP0188	–	–	.1875	.1775	.862	–
3/16	100TG0188	–	–	–	–	.1880	.1719	.862	–
13/64	100TG0203	–	–	–	–	.2030	.1875	.867	–

(continued)

(TG100 Series continued)

D1	100TG standard	100TGC standard – coolant	100TGHP high precision	100TGCHP high precision – coolant	100TGNP milling – non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
7/32	100TG0219	–	–	–	–	.2190	.2031	.872	–
15/64	100TG0234	–	–	–	–	.2340	.2188	.876	–
1/4	–	100TGC0250	–	–	–	.2500	.2450	1.356	–
1/4	–	–	100TGHP0250	–	–	.2500	.2400	1.461	–
1/4	100TG0250	–	–	–	–	.2500	.2344	1.480	–
17/64	–	100TGC0266	–	–	–	.2656	.2606	1.360	–
17/64	100TG0266	–	–	–	–	.2660	.2500	1.485	–
9/32	100TG0281	–	–	–	–	.2810	.2656	1.489	–
9/32	–	100TGC0281	–	–	–	.2813	.2763	1.365	–
19/64	–	100TGC0297	–	–	–	.2969	.2919	1.370	–
19/64	100TG0297	–	–	–	–	.2970	.2813	1.494	–
5/16	100TG0312	–	–	–	–	.3120	.2969	1.499	–
5/16	–	100TGC0312	–	–	–	.3125	.3075	1.374	–
5/16	–	–	100TGHP0312	–	–	.3125	.3025	1.499	–
21/64	100TG0328	–	–	–	–	.3280	.3125	1.503	–
21/64	–	100TGC0328	–	–	–	.3281	.3231	1.379	–
11/32	–	100TGC0344	–	–	–	.3438	.3388	1.384	–
11/32	100TG0344	–	–	–	–	.3440	.3281	1.508	–
23/64	100TG0359	–	–	–	–	.3590	.3438	1.513	–
23/64	–	100TGC0359	–	–	–	.3594	.3544	1.388	–
3/8	–	100TGC0375	–	–	–	.3750	.3700	1.393	–
3/8	–	–	–	100TGCHP0375	–	.3750	.3700	1.511	–
3/8	–	–	100TGHP0375	–	–	.3750	.3650	1.518	–
3/8	100TG0375	–	–	–	–	.3750	.3594	1.518	–
3/8	–	–	–	–	100TGNP0375	.3750	–	–	.703
25/64	–	100TGC0391	–	–	–	.3906	.3856	1.516	–
25/64	100TG0391	–	–	–	–	.3910	.3750	1.522	–
13/32	100TG0406	–	–	–	–	.4060	.3906	1.527	–
13/32	–	100TGC0406	–	–	–	.4063	.4013	1.520	–
27/64	–	100TGC0422	–	–	–	.4219	.4169	1.525	–
27/64	100TG0422	–	–	–	–	.4220	.4063	1.532	–
7/16	–	100TGC0438	–	100TGCHP0438	–	.4375	.4325	1.530	–
7/16	–	–	100TGHP0438	–	–	.4375	.4275	1.536	–
7/16	100TG0438	–	–	–	–	.4380	.4219	1.536	–
29/64	100TG0453	–	–	–	–	.4530	.4375	1.541	–
29/64	–	100TGC0453	–	–	–	.4531	.4481	1.534	–
15/32	–	100TGC0469	–	–	–	.4688	.4638	1.539	–
15/32	100TG0469	–	–	–	–	.4690	.4531	1.546	–
31/64	100TG0484	–	–	–	–	.4840	.4688	1.550	–
31/64	–	100TGC0484	–	–	–	.4844	.4794	1.544	–
1/2	–	100TGC0500	–	100TGCHP0500	–	.5000	.4950	1.549	–
1/2	–	–	100TGHP0500	–	–	.5000	.4900	1.555	–
1/2	100TG0500	–	–	–	–	.5000	.4844	1.555	–
1/2	–	–	–	–	100TGNP0500	.5000	–	–	.828

(continued)

Collets and Sleeves

(TG100 Series continued)

D1	100TG standard	100TGC standard – coolant	100TGHP high precision	100TGCHP high precision – coolant	100TGNP milling – non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
33/64	–	100TGC0516	–	–	–	.5156	.5106	1.553	–
33/64	100TG0516	–	–	–	–	.5160	.5000	1.560	–
17/32	100TG0531	–	–	–	–	.5310	.5156	1.564	–
17/32	–	100TGC0531	–	–	–	.5313	.5263	1.558	–
35/64	–	100TGC0547	–	–	–	.5469	.5419	1.720	–
35/64	100TG0547	–	–	–	–	.5470	.5313	1.569	–
9/16	100TG0562	–	–	–	–	.5620	.5469	1.574	–
9/16	–	–	100TGHP0562	–	–	.5625	.5525	1.574	–
9/16	–	100TGC0562	–	100TGCHP0562	–	.5625	.5575	1.724	–
37/64	100TG0578	–	–	–	–	.5780	.5625	1.579	–
37/64	–	100TGC0578	–	–	–	.5781	.5731	1.729	–
19/32	–	100TGC0594	–	–	–	.5938	.5888	1.734	–
19/32	100TG0594	–	–	–	–	.5940	.5781	1.583	–
39/64	100TG0609	–	–	–	–	.6090	.5938	1.588	–
39/64	–	100TGC0609	–	–	–	.6094	.6044	1.738	–
5/8	100TG0625	–	–	–	–	.6250	.6094	1.593	–
5/8	–	–	100TGHP0625	–	–	.6250	.6150	1.593	–
5/8	–	100TGC0625	–	100TGCHP0625	–	.6250	.6200	1.743	–
5/8	–	–	–	–	100TGNP0625	.6250	–	–	.875
41/64	–	100TGC0641	–	–	–	.6406	.6356	1.748	–
41/64	100TG0641	–	–	–	–	.6410	.6250	1.597	–
21/32	100TG0656	–	–	–	–	.6560	.6406	1.602	–
21/32	–	100TGC0656	–	–	–	.6563	.6513	1.752	–
43/64	–	100TGC0672	–	–	–	.6719	.6669	1.757	–
43/64	100TG0672	–	–	–	–	.6720	.6563	1.607	–
11/16	–	–	100TGHP0688	–	–	.6875	.6775	1.612	–
11/16	–	100TGC0688	–	100TGCHP0688	–	.6875	.6825	1.762	–
11/16	100TG0688	–	–	–	–	.6880	.6719	1.612	–
45/64	100TG0703	–	–	–	–	.7030	.6875	1.612	–
45/64	–	100TGC0703	–	–	–	.7031	.6981	1.767	–
23/32	–	100TGC0719	–	–	–	.7188	.7138	1.771	–
23/32	100TG0719	–	–	–	–	.7190	.7031	1.621	–
47/64	100TG0734	–	–	–	–	.7340	.7188	1.625	–
47/64	–	100TGC0734	–	–	–	.7344	.7294	1.776	–
3/4	100TG0750	–	–	–	–	.7500	.7348	1.630	–
3/4	–	–	100TGHP0750	–	–	.7500	.7400	1.630	–
3/4	–	100TGC0750	–	100TGCHP0750	–	.7500	.7450	1.781	–
3/4	–	–	–	–	100TGNP0750	.7500	–	–	.938
49/64	–	100TGC0766	–	–	–	.7656	.7606	1.904	–
49/64	100TG0766	–	–	–	–	.7660	.7500	2.375	–
25/32	100TG0781	–	–	–	–	.7810	.7656	2.375	–
25/32	–	100TGC0781	–	–	–	.7813	.7763	1.908	–
51/64	–	100TGC0797	–	–	–	.7969	.7919	1.913	–
51/64	100TG0797	–	–	–	–	.7970	.7813	2.375	–
13/16	100TG0812	–	–	–	–	.8120	.7969	2.375	–
13/16	–	100TGC0812	–	–	–	.8125	.8075	1.917	–

(continued)

Collets and Sleeves

(TG100 Series continued)

D1	100TG standard	100TGC standard – coolant	100TGHP high precision	100TGCHP high precision – coolant	100TGNP milling – non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
53/64	100TG0828	–	–	–	–	.8280	.8125	2.375	–
53/64	–	100TGC0828	–	–	–	.8281	.8231	1.922	–
27/32	–	100TGC0844	–	–	–	.8438	.8388	1.927	–
27/32	100TG0844	–	–	–	–	.8440	.8281	2.375	–
55/64	100TG0859	–	–	–	–	.8590	.8438	2.375	–
7/8	–	100TGC0875	–	100TGCHP0875	–	.8750	.8700	1.936	–
7/8	–	–	100TGHP0875	–	–	.8750	.8650	2.375	–
7/8	100TG0875	–	–	–	–	.8750	.8594	2.375	–
7/8	–	–	–	–	100TGNP0875	.8750	–	2.375	.938
57/64	–	100TGC0891	–	–	–	.8906	.8856	1.941	–
57/64	100TG0891	–	–	–	–	.8910	.8750	2.375	–
29/32	100TG0906	–	–	–	–	.9060	.8906	2.375	–
29/32	–	100TGC0906	–	–	–	.9063	.9013	1.946	–
59/64	–	100TGC0922	–	–	–	.9219	.9169	1.950	–
59/64	100TG0922	–	–	–	–	.9220	.9063	2.375	–
15/16	–	100TGC0938	–	–	–	.9375	.9325	1.955	–
15/16	100TG0938	–	–	–	–	.9380	.9219	2.375	–
61/64	100TG0953	–	–	–	–	.9530	.9375	2.375	–
61/64	–	100TGC0953	–	–	–	.9531	.9481	1.960	–
31/32	–	100TGC0969	–	–	–	.9688	.9638	1.964	–
31/32	100TG0969	–	–	–	–	.9690	.9531	2.375	–
63/64	100TG0984	–	–	–	–	.9840	.9688	2.375	–
63/64	–	100TGC0984	–	–	–	.9844	.9794	1.969	–
1	100TG1000	–	–	–	–	1.0000	.9844	2.375	–
1	–	100TGC1000	–	100TGCHP1000	–	1.0000	.9950	2.375	–
1	–	–	100TGHP1000	–	–	1.0000	.9900	2.375	–
1	–	–	–	–	100TGNP1000	1.0000	–	–	.938

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.  
Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.  
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.  
Never try to stretch the collets by clamping oversized cutting tools.

**Collets and Sleeves**

- An economical way to purchase a group of collets.



TG Collet

### ERICKSON™

#### ■ TG100 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S100TG1SET	TG100	59	3/32-1	1/64
S100TG2SET	TG100	30	3/32 - 1	1/32
S100TG3SET	TG100	41	3/8 - 1	1/64
S100TG4SET	TG100	21	3/8 - 1	1/32



TG Collet — NP

#### ■ TG100 NP-Out Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S100TGNPSET	TG100	6	3/8-1	1/8





# KenFeed™ Mini

## Small High-Feed Milling Cutter for Machining Small and Medium Components

Roughing operations through the latest milling strategies up to 55 HRC. Specially suited for small parts or machines with lower power capacity. The KenFeed Mini delivers higher productivity with reduced tooling costs.

- Able to machine many materials and applications.
- Higher feed rates and/or HSM capabilities.
- Grade/geometry selection offers the best performance, even in hardened steel, stainless steel, and titanium materials.
- Improved tool life and MRR. Able to machine deep cavities with higher performance.

*To learn more, scan here.*  
*For instructions on how to scan, please see page xxxiii.*



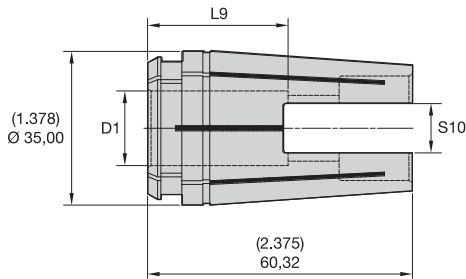
Experience the advantages at your Authorized Kennametal Distributor or at [www.kennametal.com](http://www.kennametal.com).

[www.kennametal.com](http://www.kennametal.com)





- Rubber-filled slots seal collet for coolant-fed tool applications.
- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for tapping applications.
- Slot in back of collets acts as a drive for the tap square.
- Industry-standard Erickson™ single-angle collet system.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.



### ERICKSON™

#### ■ TG100 Solid Tap Collet • Metric DIN and ISO

tap size	catalog number	collet series	D1	S10	L9
M9 & M12	100TGST090071M	TG100	9,0	7,1	30,0
M10	100TGST100080M	TG100	10,0	8,0	30,0
M14	100TGST110090M	TG100	11,0	9,0	30,0
M16	100TGST120090M	TG100	12,0	9,0	30,0
M18	100TGST140110M	TG100	14,0	11,0	30,0
M20	100TGST160120M	TG100	16,0	12,0	30,0
M22 & M24	100TGST180145M	TG100	18,0	14,5	30,0

#### ■ TG100 Solid Tap Collet • Solid Tap Coolant • Inch/Metric ANSI

tap size		100TGST solid tap	100TGSTC solid tap – coolant	collet series	D1	S10	L9
mm	in						
M3 & M3,15 & M3,5	#0-#6 & 1/8	100TGST6	—	TG100	.141	.110	.141
M4	#8 & 5/32	100TGST8	—	TG100	.168	.131	.168
M4,5 & M5	#10 & 3/16	100TGST10	—	TG100	.194	.152	.194
—	#12 & 7/32	100TGST12	—	TG100	.220	.165	.220
M6 & M6,3	#14 & 1/4	100TGST025	—	TG100	.255	.191	.812
—	1/16P & 1/8P(SS)	100TGST006P	—	TG100	.313	.234	.812
M7 & M8	5/16	100TGST031	100TGSTC031	TG100	.318	.238	.868
—	7/16	100TGST043	100TGSTC043	TG100	.323	.242	.963
M12 & M12,5	1/2	100TGST050	100TGSTC050	TG100	.367	.275	.932
M10	3/8	100TGST037	100TGSTC037	TG100	.381	.286	.900
M14	9/16	100TGST056	—	TG100	.429	.322	1.087
—	1/8P(LS)	100TGST012P	—	TG100	.438	.328	.812
M16	5/8	100TGST062	100TGSTC062	TG100	.480	.360	1.087
M18	11/16	100TGST068	—	TG100	.542	.406	1.244

(continued)

(TG100 Single-Angle Solid Tap Collets continued)

mm	tap size		100TGST solid tap	100TGSTC solid tap — coolant	collet series	D1	S10	L9
		in						
—		1/4P	100TGST025P	—	TG100	.563	.421	.812
—		3/4	100TGST075	100TGSTC075	TG100	.590	.442	1.213
M20		13/16	100TGST081	—	TG100	.652	.489	.652
—		1/2P	100TGST050P	—	TG100	.688	.515	.812
M22		7/8	100TGST087	—	TG100	.697	.523	.697
M22		7/8	—	100TGSTC087	TG100	.697	.523	1.369
—		3/8P	100TGST037P	—	TG100	.700	.531	.812
M24		15/16	100TGST094	—	TG100	.760	.570	.760
M25		1	—	100TGSTC100	TG100	.800	.600	1.313
M25		1	100TGST100	—	TG100	.800	.600	.800
M27		1 1/16 & 1 1/8	100TGST112	—	TG100	.896	.672	.896
—		3/4P	100TGST075P	—	TG100	.906	.679	.812

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.

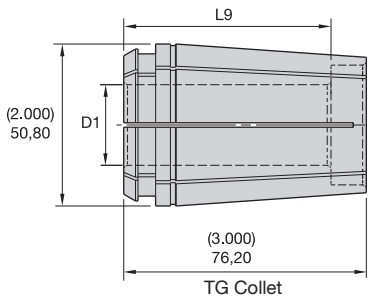
Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.

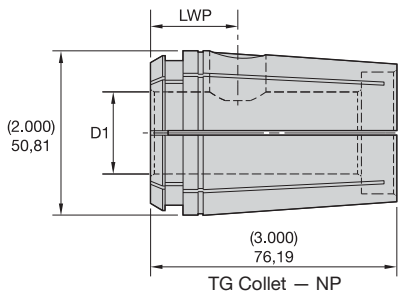
Never try to stretch the collets by clamping oversized cutting tools.



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 0,4mm [.016" (1/64")] range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.



TG Collet



TG Collet - NP

### ERICKSON™

#### ■ TG150 Series • Metric

D1	150TG standard	150TGNP standard – non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
12,0	150TG120M	—	12,0	11,6	44,0	—
13,0	150TG130M	—	13,0	12,6	44,0	—
14,0	150TG140M	—	14,0	13,6	44,0	—
14,5	150TG145M	—	14,5	14,1	44,0	—
15,0	150TG150M	—	15,0	14,6	54,0	—
16,0	150TG160M	—	16,0	15,6	54,0	—
18,0	150TG180M	—	18,0	17,6	54,0	—
19,0	150TG190M	—	19,0	18,6	76,2	—
20,0	150TG200M	—	20,0	19,6	76,2	—
21,0	150TG210M	—	21,0	20,6	76,2	—

(continued)

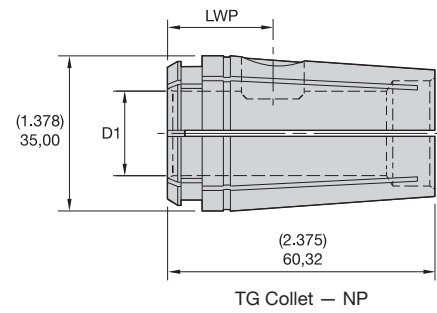
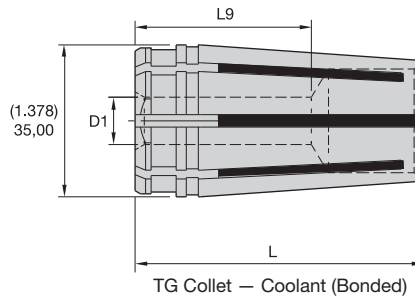
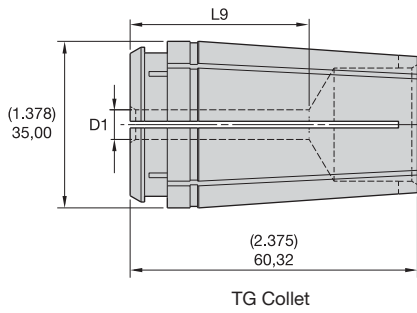
(TG150 Series continued)

D1	150TG standard	150TGNP standard – non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
22,0	150TG220M	–	22,0	21,6	76,2	–
25,0	150TG250M	–	25,0	24,6	76,2	–
25,0	–	150TGNP250M	25,0	–	–	22
25,5	150TG255M	–	25,5	25,1	76,2	–
26,0	150TG260M	–	26,0	25,6	76,2	–
27,0	150TG270M	–	27,0	26,6	76,2	–
28,0	150TG280M	–	28,0	27,6	76,2	–
30,0	150TG300M	–	30,0	29,6	76,2	–
32,0	150TG320M	–	32,0	31,6	76,2	–
32,0	–	150TGNP320M	32,0	–	–	22
34,0	150TG340M	–	34,0	33,6	76,2	–
35,0	150TG350M	–	35,0	34,6	76,2	–
36,0	150TG360M	–	36,0	35,6	76,2	–
38,0	150TG380M	–	38,0	37,6	76,2	–
40,0	150TG400M	–	40,0	39,6	76,2	–

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.  
 Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.  
 Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.  
 Never try to stretch the collets by clamping oversized cutting tools.



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 150TG 0,4mm [.016" (1/64)] range of collapse.
- 150TGCHP and 150TGNP 0,13mm (.005") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.
- HP design manufactured to DIN 6499 class/accuracy.



TG Collet



TG Collet – Coolant (Bonded)



TG Collet – NP

**ERICKSON™**

■ TG150 Series • Inch

D1	150TG standard	150TGCHP high precision – coolant	150TGNP milling – non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
3/8	150TG0375	–	–	.3750	.3594	2.000	–
25/64	150TG0391	–	–	.3906	.3750	2.000	–
13/32	150TG0406	–	–	.4063	.3906	2.000	–
27/64	150TG0422	–	–	.4219	.4063	2.000	–
7/16	150TG0438	–	–	.4375	.4219	2.000	–
29/64	150TG0453	–	–	.4531	.4375	2.000	–
15/32	150TG0468	–	–	.4688	.4531	2.000	–
31/64	150TG0484	–	–	.4844	.4688	2.000	–
1/2	150TG0500	–	–	.5000	.4844	2.560	–
1/2	–	–	150TGNP0500	.5000	–	–	.828
33/64	150TG0516	–	–	.5156	.5000	2.560	–
17/32	150TG0531	–	–	.5313	.5156	2.560	–

(continued)

(TG150 Series continued)

D1	150TG standard	150TGCHP high precision – coolant	150TGNP milling – non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
35/64	150TG0547	—	—	.5469	.5313	2.560	—
9/16	150TG0562	—	—	.5625	.5469	2.560	—
37/64	150TG0578	—	—	.5781	.5625	2.560	—
19/32	150TG0594	—	—	.5938	.5781	2.560	—
39/64	150TG0609	—	—	.6094	.5938	2.560	—
5/8	150TG0625	—	—	.6250	.6094	2.560	—
5/8	—	—	150TGNP0625	.6250	—	—	.875
41/64	150TG0641	—	—	.6406	.6250	2.560	—
21/32	150TG0656	—	—	.6563	.6406	2.560	—
43/64	150TG0672	—	—	.6719	.6563	2.560	—
11/16	150TG0688	—	—	.6875	.6719	2.560	—
45/64	150TG0703	—	—	.7031	.6875	2.560	—
23/32	150TG0719	—	—	.7188	.7031	2.560	—
47/64	150TG0734	—	—	.7344	.7188	2.560	—
3/4	150TG0750	—	—	.7500	.7344	2.560	—
3/4	—	—	150TGNP0750	.7500	—	—	.938
49/64	150TG0766	—	—	.7656	.7500	2.560	—
25/32	150TG0781	—	—	.7813	.7656	2.560	—
51/64	150TG0797	—	—	.7969	.7813	2.560	—
13/16	150TG0812	—	—	.8125	.7969	2.560	—
53/64	150TG0828	—	—	.8281	.8125	2.560	—
27/32	150TG0844	—	—	.8438	.8281	2.560	—
55/64	150TG0859	—	—	.8594	.8438	2.560	—
7/8	150TG0875	—	—	.8750	.8594	2.560	—
7/8	—	—	150TGNP0875	.8750	—	—	.938
57/64	150TG0891	—	—	.8906	.8750	2.560	—
29/32	150TG0906	—	—	.9063	.8906	2.560	—
59/64	150TG0922	—	—	.9219	.9063	2.560	—
15/16	150TG0938	—	—	.9375	.9219	2.560	—
61/64	150TG0953	—	—	.9531	.9375	2.560	—
31/32	150TG0969	—	—	.9688	.9531	2.560	—
63/64	150TG0984	—	—	.9844	.9688	2.560	—
1	150TG1000	—	—	1.0000	.9844	2.560	—
1	—	150TGCHP1000	—	—	—	—	—
1	—	—	150TGNP1000	1.0000	—	—	1.063
1 1/64	150TG1016	—	—	1.0156	1.0000	2.560	—
1 1/32	150TG1031	—	—	1.0313	1.0156	2.560	—
1 3/64	150TG1047	—	—	1.0469	1.0313	2.560	—
1 1/16	150TG1062	—	—	1.0625	1.0469	2.560	—
1 5/64	150TG1078	—	—	1.0781	1.0625	2.560	—
1 3/32	150TG1094	—	—	1.0938	1.0781	2.560	—
1 7/64	150TG1109	—	—	1.1094	1.0938	2.560	—
1 9/64	150TG1141	—	—	1.1200	1.1094	2.560	—
1 1/8	150TG1125	—	—	1.1250	1.1200	2.560	—
1 5/32	150TG1156	—	—	1.1563	1.1250	2.560	—
1 11/64	150TG1172	—	—	1.1719	1.1563	2.560	—
1 3/16	150TG1187	—	—	1.1875	1.1719	2.560	—
1 13/64	150TG1203	—	—	1.2031	1.1875	2.560	—

(continued)



(TG150 Series continued)

D1	150TG standard	150TGCHP high precision — coolant	150TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
1 7/32	<b>150TG1219</b>	—	—	1.2188	1.2031	2.560	—
1 15/64	<b>150TG1234</b>	—	—	1.2344	1.2188	2.560	—
1 1/4	<b>150TG1250</b>	—	—	1.2500	1.2344	2.560	—
1 1/4	—	—	<b>150TGNP1250</b>	1.2500	—	—	1.063
1 1/4	—	<b>150TGCHP1250</b>	—	—	—	—	—
1 17/64	<b>150TG1266</b>	—	—	1.2656	1.2500	2.560	—
1 9/32	<b>150TG1281</b>	—	—	1.2813	1.2656	2.560	—
1 19/64	<b>150TG1297</b>	—	—	1.2969	1.2813	2.560	—
1 5/16	<b>150TG1312</b>	—	—	1.3125	1.2969	2.560	—
1 21/64	<b>150TG1328</b>	—	—	1.3281	1.3125	2.560	—
1 11/32	<b>150TG1344</b>	—	—	1.3438	1.3281	2.560	—
1 23/64	<b>150TG1359</b>	—	—	1.3594	1.3438	2.560	—
1 3/8	<b>150TG1375</b>	—	—	1.3750	1.3594	2.560	—
1 25/64	<b>150TG1391</b>	—	—	1.3906	1.3750	2.560	—
1 13/32	<b>150TG1406</b>	—	—	1.4063	1.3906	2.560	—
1 27/64	<b>150TG1422</b>	—	—	1.4219	1.4063	2.560	—
1 7/16	<b>150TG1438</b>	—	—	1.4375	1.4219	2.560	—
1 29/64	<b>150TG1453</b>	—	—	1.4531	1.4375	2.560	—
1 15/32	<b>150TG1469</b>	—	—	1.4688	1.4531	2.560	—
1 1/2	<b>150TG1500</b>	—	—	1.5000	1.4688	2.560	—
1 1/2	—	—	<b>150TGNP1500</b>	1.5000	—	—	1.063
1 1/2	—	<b>150TGCHP1500</b>	—	—	—	—	—
1 31/32	<b>150TG1484</b>	—	—	1.9688	1.5000	2.560	—

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.  
 Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.  
 Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.  
 Never try to stretch the collets by clamping oversized cutting tools.

- An economical way to purchase a group of collets.



TG Collet

**ERICKSON**

■ TG150 Collet Set • Metric

catalog number	series	quantity	dimensional range	incremental division
150TGS000M	TG150	3	25mm - 40mm	25 & 32 & 40

■ TG150 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S150TG1SET	TG150	65	1/2 - 1 1/2	1/64
S150TG2SET	TG150	33	1/2 - 1 1/2	1/32
S150TG4SET	TG150	25	3/4 - 1 1/2	1/32



TG Collet — NP

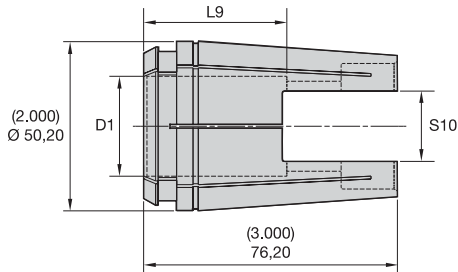
■ TG150 NP-Out Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S150TGNPSET	TG150	7	1/2 - 1 1/2	1/8 (1/2-1) & 1/4 (1 1/4-1 1/2)

Collets and Sleeves



- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for tapping applications.
- Slot in back of collets acts as a drive for the tap square.
- Industry-standard Erickson™ single-angle collet system.



### ERICKSON™

#### ■ TG150 Solid Tap Collet • Metric DIN and ISO

\*\*\* Metric DIN and ISO only available in TG50 and TG100 series \*\*\*

#### ■ TG150 Solid Tap Collet • Inch/Metric ANSI

tap size		150TGST solid tap	collet series	D1	S10	L9
mm	in					
—	3/4	<b>150TGST075</b>	TG150	.590	.442	1.213
—	1/2P	<b>150TGST050P</b>	TG150	.688	.515	.812
—	3/8P	<b>150TGST037P</b>	TG150	.700	.531	.812
M25	1	<b>150TGST100</b>	TG150	.800	.600	1.463
M27	1 1/16 & 1 1/8	<b>150TGST112</b>	TG150	.896	.672	1.650
—	3/4P	<b>150TGST075P</b>	TG150	.906	.679	.906
M30	1 3/16 & 1 1/4	<b>150TGST125</b>	TG150	1.021	.766	1.750
M33	1 5/16 & 1 3/8	<b>150TGST137</b>	TG150	1.108	.831	1.687
—	1P	<b>150TGST100P</b>	TG150	1.125	2.142	.906
M36	1 7/16 & 1 1/2	<b>150TGST150</b>	TG150	1.233	.925	1.625
M39	1 5/8	<b>150TGST162</b>	TG150	1.305	.979	1.625
—	1 1/4P	<b>150TGST125P</b>	TG150	1.313	2.085	.963
M42	1 3/4	<b>150TGST175</b>	TG150	1.430	1.072	1.500
—	1 1/2P	<b>150TGST150P</b>	TG150	1.500	1.898	1.150

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.  
 Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.  
 Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.  
 Never try to stretch the collets by clamping oversized cutting tools.



# The Kennametal Solution

**Kennametal Global Engineered Solutions. Coordinated global resources with world-class manufacturing, process development, and implementation capabilities.**

**No matter how small or large your project.**

- Whether it's a single tailored tool or the development of a comprehensive manufacturing process, Kennametal's team can manage the development, personnel training, and successful implementation of the complete solution.

**Regardless of where you're located, Kennametal is everywhere you are.**

- With Kennametal's team, you receive globally coordinated manufacturing, process development, implementation, and optimization support and key alliances with machine tool builders and other leading technology manufacturers that ensure a complete solution.

Experience the advantages at your Authorized Kennametal Distributor or at [www.kennametal.com](http://www.kennametal.com).

[www.kennametal.com](http://www.kennametal.com)



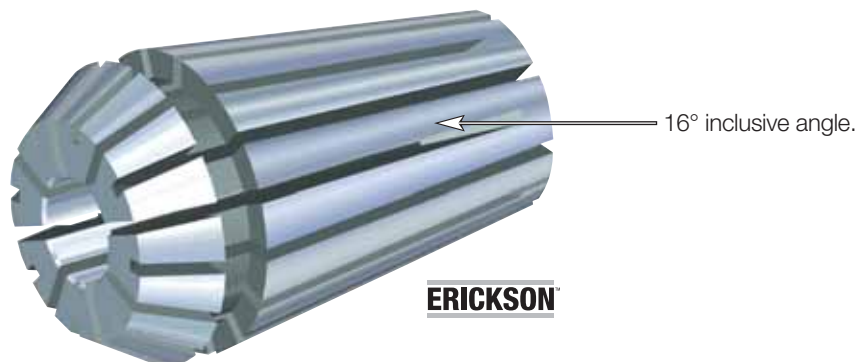
# ER DIN 6499 Single-Angle Collets

## Primary Application

The standard ER Collets are manufactured according to DIN 6499-B (16° inclusive angle) standard and are available in a variety of styles, ER8, ER11, ER16, ER20, ER25, ER32, and ER40, with sizes ranging from 0,5–26mm (.0197–1.0000"). Applications of light end milling, drilling, tapping, reaming, and boring solution are applicable.

## Features and Benefits

- DIN 6499 Class 2 accuracy.
- 16° inclusive taper angle taper for approximately 2:1 grip.
- Dedicated versions for tapping — driving off the square of the tap.



## How Do Catalog Numbers Work?

Each character in our catalog number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



### ERICKSON

40ERC160M

**40**

System Size

- 11 = ER11
- 16 = ER16
- 20 = ER20
- 25 = ER25
- 32 = ER32
- 40 = ER40

**ER**

Collet Style

**ER-DIN 6499** =  
Single angle

**C**

Special Feature  
*(optional)*

- TC** =  
Solid tapping  
(square for drive)
- TCT** =  
Solid tapping  
with tension only

**160**

Collet Bore Size

**metric (xx.x)**

- 010** = 1mm
- 160** = 16mm
- 245** = 24,5mm

**inch (x.xxx)**

- 0125** = 1/8"
- 0500** = 1/2"
- 1000** = 1"

**M**

Identification  
Value

- M** =  
Collet bore size built  
to metric values
- (blank)** =  
Collet bore size built  
to metric values



**ER • Single Angle**

- Provides good grip and accuracy for all drilling applications.
- Wide clamping range.
- Available in both inch and metric bores.
- 1mm (.040") range of collapse.
- Manufactured to DIN 6499.
- Accuracy to DIN 6499 Class 2.

**ERICKSON**



**ERTC • Single-Angle Tap Collet**

- Designed to grip taps on shank and square to eliminate slippage.
- Fits all standard ER-style collet chucks.
- 0,13mm (.005") range of collapse.

**ERICKSON**



**ERTCT • Single-Angle Tap Collet with Axial Compensation**

- Designed to grip taps on shank and square to eliminate slippage.
- Tension only, cost effective solution for machines that require axial compensation for tapping.
- Fits all standard ER-style collet chucks.

**ERICKSON**





# HARVI II™

## A New Dimension

The next generation high-performance end mill, HARVI II dramatically improves metal removal rates without reducing tool life.

- Best suited for applications in the aerospace, medical, die and mold, automotive, and general engineering markets.
- Outstanding performance in stainless steel, titanium, INCONEL®, and other high-temperature alloys and steels.
- Increased metal removal rates in roughing and finishing operations.

To learn more, *scan here.*

For instructions on how to scan, please see page xxxiii.

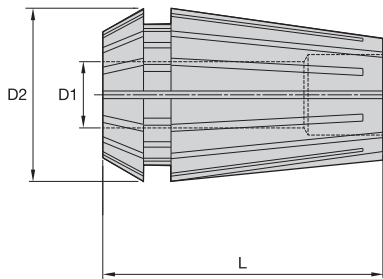


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[www.kennametal.com](http://www.kennametal.com)



- Provides approximately 2:1 grip advantage.
- Wide clamping range for all drilling applications.
- ER8 and ER11 0,5mm (.020") range of collapse.
- ER16, ER20, ER25, ER32, and ER40 1mm (.040") range of collapse.
- Available in both metric and inch sizes.
- Manufactured to DIN 6499 Class 2 accuracy; see page M103.



**ERICKSON**

■ ER Collets • Metric

D1	ER8 D2 = 8,5mm L = 13,5mm	ER11 D2 = 11,5mm L = 18mm	ER16 D2 = 17mm L = 27,5mm	ER20 D2 = 21mm L = 31,5mm	ER25 D2 = 26mm L = 34mm	ER32 D2 = 33mm L = 40mm	ER40 D2 = 41mm L = 46mm	collet capacity max mm	collet capacity min mm
1,0	8ER010M	11ER010M	16ER010M	20ER010M	—	—	—	1,00	0,50
1,5	8ER015M	11ER015M	16ER015M	—	—	—	—	1,50	1,00
2,0	—	—	16ER020M	20ER020M	25ER020M	—	—	2,00	1,00
2,0	8ER020M	11ER020M	—	—	—	—	—	2,00	1,50
2,5	—	—	16ER025M	—	—	—	—	2,50	1,50
2,5	8ER025M	11ER025M	—	—	—	—	—	2,50	2,00
3,0	—	—	16ER030M	20ER030M	25ER030M	32ER030M	—	3,00	2,00
3,0	8ER030M	11ER030M	—	—	—	—	—	3,00	2,50
3,5	—	—	16ER035M	—	—	—	—	3,50	2,50
3,5	8ER035M	11ER035M	—	—	—	—	—	3,50	3,00
4,0	—	—	16ER040M	20ER040M	25ER040M	32ER040M	40ER040M	4,00	3,00
4,0	8ER040M	11ER040M	—	—	—	—	—	4,00	3,50
4,5	—	—	16ER045M	—	—	—	—	4,50	3,50
4,5	8ER045M	11ER045M	—	—	—	—	—	4,50	4,00
5,0	—	—	16ER050M	20ER050M	25ER050M	32ER050M	40ER050M	5,00	4,00
5,0	8ER050M	11ER050M	—	—	—	—	—	5,00	4,50
5,5	—	—	16ER055M	—	—	—	—	5,50	4,50
5,5	—	11ER055M	—	—	—	—	—	5,50	5,00
6,0	—	—	16ER060M	20ER060M	25ER060M	32ER060M	40ER060M	6,00	5,00
6,0	—	11ER060M	—	—	—	—	—	6,00	5,50
6,5	—	—	16ER065M	—	—	—	—	6,50	5,50
6,5	—	11ER065M	—	—	—	—	—	6,50	6,00
7,0	—	—	16ER070M	20ER070M	25ER070M	32ER070M	40ER070M	7,00	6,00
7,0	—	11ER070M	—	—	—	—	—	7,00	6,50
7,5	—	—	16ER075M	—	—	—	—	7,50	6,50
8,0	—	—	16ER080M	20ER080M	25ER080M	32ER080M	40ER080M	8,00	7,00

(continued)

(ER Single-Angle Standard Collets continued)

D1	ER8 D2 = 8,5mm L = 13,5mm	ER11 D2 = 11,5mm L = 18mm	ER16 D2 = 17mm L = 27,5mm	ER20 D2 = 21mm L = 31,5mm	ER25 D2 = 26mm L = 34mm	ER32 D2 = 33mm L = 40mm	ER40 D2 = 41mm L = 46mm	collet capacity max mm	collet capacity min mm
8,5	—	—	16ER085M	—	—	—	—	8,50	7,50
9,0	—	—	16ER090M	20ER090M	25ER090M	32ER090M	40ER090M	9,00	8,00
9,5	—	—	16ER095M	—	—	—	—	9,50	8,50
10,0	—	—	16ER100M	20ER100M	25ER100M	32ER100M	40ER100M	10,00	9,00
11,0	—	—	—	20ER110M	25ER110M	32ER110M	40ER110M	11,00	10,00
12,0	—	—	—	20ER120M	25ER120M	32ER120M	40ER120M	12,00	11,00
13,0	—	—	—	20ER130M	25ER130M	32ER130M	40ER130M	13,00	12,00
14,0	—	—	—	—	25ER140M	32ER140M	40ER140M	14,00	13,00
15,0	—	—	—	—	25ER150M	32ER150M	40ER150M	15,00	14,00
16,0	—	—	—	—	25ER160M	32ER160M	40ER160M	16,00	15,00
17,0	—	—	—	—	—	32ER170M	40ER170M	17,00	16,00
18,0	—	—	—	—	—	32ER180M	40ER180M	18,00	17,00
19,0	—	—	—	—	—	32ER190M	40ER190M	19,00	18,00
20,0	—	—	—	—	—	32ER200M	40ER200M	20,00	19,00
21,0	—	—	—	—	—	—	40ER210M	21,00	20,00
22,0	—	—	—	—	—	—	40ER220M	22,00	21,00
23,0	—	—	—	—	—	—	40ER230M	23,00	22,00
24,0	—	—	—	—	—	—	40ER240M	24,00	23,00
25,0	—	—	—	—	—	—	40ER250M	25,00	24,00
26,0	—	—	—	—	—	—	40ER260M	26,00	25,00

(continued)





(ER Single-Angle Standard Collets continued)

■ ER Collets • Inch

D1	ER16 D2 = .669 L = 1.083	ER20 D2 = .827 L = 1.240	ER25 D2 = 1.024 L = 1.339	ER32 D2 = 1.299 L = 1.575	ER40 D2 = 1.614 L = 1.811	collet capacity max inch	collet capacity min inch
1/16	16ER0062	20ER0062	25ER0062	—	—	.0625	.0425
3/32	—	20ER0094	—	—	—	.0938	.0538
3/32	16ER0094	—	25ER0094	—	—	.0938	.0738
1/8	16ER0125	20ER0125	25ER0125	32ER0125	40ER0125	.1250	.0850
5/32	16ER0156	20ER0156	25ER0156	32ER0156	40ER0156	.1563	.1163
3/16	16ER0188	20ER0188	25ER0188	32ER0188	40ER0188	.1875	.1475
7/32	16ER0219	20ER0219	25ER0219	32ER0219	40ER0219	.2188	.1788
1/4	16ER0250	20ER0250	25ER0250	32ER0250	40ER0250	.2500	.2100
9/32	16ER0281	20ER0281	25ER0281	32ER0281	40ER0281	.2813	.2413
5/16	16ER0312	20ER0312	25ER0312	32ER0312	40ER0312	.3125	.2725
11/32	16ER0344	20ER0344	25ER0344	32ER0344	40ER0344	.3438	.3038
3/8	16ER0375	20ER0375	25ER0375	32ER0375	40ER0375	.3750	.3350
13/32	16ER0406	20ER0406	25ER0406	32ER0406	40ER0406	.4063	.3663
7/16	—	20ER0438	25ER0438	32ER0438	40ER0438	.4375	.3975
15/32	—	20ER0469	25ER0469	32ER0469	40ER0469	.4688	.4288
1/2	—	20ER0500	25ER0500	32ER0500	40ER0500	.5000	.4600
17/32	—	—	25ER0531	32ER0531	40ER0531	.5313	.4913
9/16	—	—	—	32ER0562	40ER0562	.5625	.5225
9/16	—	—	25ER0562	—	—	.5626	.5225
19/32	—	—	25ER0594	32ER0594	40ER0594	.5938	.5538
5/8	—	—	25ER0625	32ER0625	40ER0625	.6250	.5850
21/32	—	—	—	32ER0656	40ER0656	.6563	.6163
11/16	—	—	—	32ER0688	40ER0688	.6875	.6475
23/32	—	—	—	32ER0719	40ER0719	.7188	.6788
3/4	—	—	—	32ER0750	40ER0750	.7500	.7100
25/32	—	—	—	32ER0781	40ER0781	.7813	.7413
13/16	—	—	—	32ER0812	40ER0812	.8125	.7725
27/32	—	—	—	—	40ER0844	.8438	.8038
7/8	—	—	—	—	40ER0875	.8750	.8350
29/32	—	—	—	—	40ER0906	.9063	.8663
15/16	—	—	—	—	40ER0938	.9375	.8975
31/32	—	—	—	—	40ER0969	.9688	.9288
1	—	—	—	—	40ER1000	1.0000	.9600

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.  
Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.  
Collet accuracies are based on size-for-size conditions.  
Never try to stretch the collets by clamping oversized cutting tools.

- An economical way to purchase a set of collets.



### ERICKSON

#### ■ ER Collet Set • Metric

order number	catalog number	series	quantity	dimensional range	incremental division
1025864	8ERS000M	ER8	9	1mm - 5mm	.5
1020872	11ERS000M	ER11	13	1mm - 7mm	.5
1135892	16ERS000M	ER16	10	1mm - 10mm	1
1025865	20ERS000M	ER20	12	2mm - 13mm	1
1123858	25ERS000M	ER25	15	2mm - 16mm	1
1135911	32ERS000M	ER32	18	3mm - 20mm	1
1126252	40ERS000M	ER40	23	4mm - 26mm	1

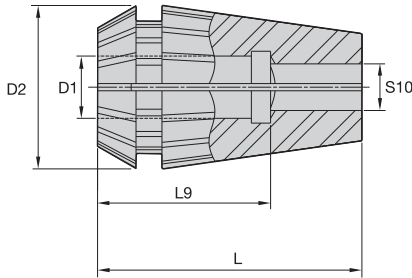
#### ■ ER Collet Set • Inch

order number	catalog number	series	quantity	dimensional range	incremental division
2269968	16ERS000SET2	ER16	12	1/16 - 13/32	1/32
2269969	20ERS000SET1	ER20	8	1/16 - 1/2	1/16
2269970	20ERS000SET2	ER20	15	1/16 - 1/2	1/32
2269971	25ERS000SET1	ER25	10	1/16 - 5/8	1/16
2269972	25ERS000SET2	ER25	19	1/16 - 5/8	1/32
2269973	32ERS000SET1	ER32	12	1/8 - 13/16	1/16
2269974	32ERS000SET2	ER32	23	1/8 - 13/16	1/32
2269975	40ERS000SET1	ER40	15	1/8 - 1	1/16
2269976	40ERS000SET2	ER40	29	1/8 - 1	1/32

NOTE: ER collet sets come complete with protective tray.

Collets and Sleeves

- Square in back of collet acts as a drive for the tap square.
- Can be used in all standard ER collet chucks.
- Available in metric and inch sizes.



**ERICKSON™**

■ ER Solid Tap Collet • Metric DIN and ISO

tap size	ER16 D2 = 17mm L = 27,5mm	ER20 D2 = 21mm L = 31,5mm	ER25 D2 = 26mm L = 34mm	ER32 D2 = 33mm L = 40mm	ER40 D2 = 41mm L = 46mm	D1	S10	L9
M4 & M6	16ERTC045034M	20ERTC045034M	25ERTC045034M	32ERTC045034M	—	4,5	3,4	18
—	16ERTC055043M	20ERTC055043M	25ERTC055043M	32ERTC055043M	—	5,5	4,3	18
M5 & M6 & M7 & M8	16ERTC060049M	20ERTC060049M	25ERTC060049M	32ERTC060049M	—	6,0	4,9	18
M10	16ERTC070055M	20ERTC070055M	25ERTC070055M	32ERTC070055M	40ERTC070055M	7,0	5,5	18
M8	16ERTC080062M	20ERTC080062M	25ERTC080062M	32ERTC080062M	40ERTC080062M	8,0	6,2	22
M12	16ERTC090070M	20ERTC090070M	25ERTC090070M	32ERTC090070M	40ERTC090070M	9,0	7,0	22
M10	—	20ERTC100080M	25ERTC100080M	32ERTC100080M	40ERTC100080M	10,0	8,0	25
M14	—	20ERTC110090M	25ERTC110090M	32ERTC110090M	40ERTC110090M	11,0	9,0	25
M16	—	—	25ERTC120090M	32ERTC120090M	40ERTC120090M	12,0	9,0	25
M18	—	—	—	32ERTC140110M	40ERTC140110M	14,0	11,0	25
—	—	—	25ERTC140110M	—	—	14,0	11,0	25
M20	—	—	—	32ERTC160120M	—	16,0	12,0	25
—	—	—	25ERTC160120M	—	—	16,0	12,0	25
M20	—	—	—	—	40ERTC160120M	16,0	12,0	25
M22 & M24	—	—	—	32ERTC180145M	40ERTC180145M	18,0	14,5	25
M27 & M30	—	—	—	32ERTC200160M	40ERTC200160M	20,0	16,0	28
M30	—	—	—	—	40ERTC220180M	22,0	18,0	28

(continued)

(ER Single-Angle Solid Tap Collets continued)

■ ER Solid Tap Collet • Inch/Metric ANSI

tap size		ER16	ER20	ER25	ER32	ER40	D1	S10	L9
mm	in	D2 = .669 L = 1.083	D2 = .827 L = 1.240	D2 = 1.024 L = 1.339	D2 = 1.299 L = 1.575	D2 = 1.614 L = 1.811			
M4	8 & 5/32	16ERTC8	20ERTC8	25ERTC8	32ERTC8	—	.168	.131	.710
M4,5 & M5	10 & 3/16	16ERTC10	20ERTC10	25ERTC10	32ERTC10	—	.194	.152	.710
—	12 & 7/32	16ERTC12	20ERTC12	25ERTC12	32ERTC12	—	.220	.165	.710
M6 & M6,3	14 & 1/4	16ERTC025	20ERTC025	25ERTC025	32ERTC025	40ERTC025	.255	.191	.710
M7 & M8	5/16	—	20ERTC031	25ERTC031	32ERTC031	40ERTC031	.318	.238	.866
—	7/16	—	20ERTC043	25ERTC043	32ERTC043	40ERTC043	.323	.242	.866
M12 & M12,5	1/2	—	20ERTC050	25ERTC050	32ERTC050	40ERTC050	.367	.275	.866
M10	3/8	—	20ERTC037	25ERTC037	32ERTC037	40ERTC037	.381	.286	.866
M14	9/16	—	—	25ERTC056	32ERTC056	40ERTC056	.429	.322	.984
M16	5/8	—	—	25ERTC062	32ERTC062	40ERTC062	.480	.360	.984
M18	11/16	—	—	—	32ERTC069	40ERTC069	.542	.406	.984
—	3/4	—	—	—	32ERTC075	—	.590	.422	.984
—	3/4	—	—	—	—	40ERTC075	.590	.442	.984
M20	13/16	—	—	—	32ERTC081	40ERTC081	.652	.489	.984
M22	7/8	—	—	—	—	40ERTC087	.697	.523	.984
M24	15/16	—	—	—	—	40ERTC093	.760	.570	1.100
M25	1	—	—	—	—	40ERTC100	.800	.600	1.100

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.

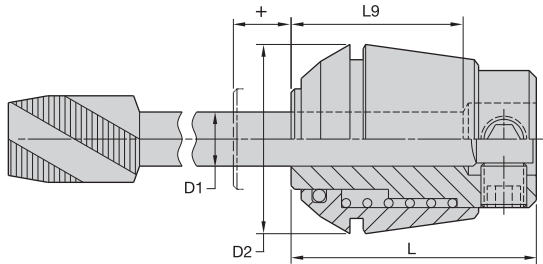
Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.

Never try to stretch the collets by clamping oversized cutting tools.



- Tension feature for applications that need synchronized tapping.
- Adjustable screws in back of collet act as a drive for the tap square.
- Can be used in all standard ER collet chucks.
- Available in inch sizes.



### ERICKSON™

#### ■ ER T-Only Tap Collet • Inch/Metric ANSI

tap size		ER12	ER16	ER20	ER25	ER32	ER40	D1	
mm	in	D2 = 11,4mm L = 21,5mm	D2 = 17mm L = 27,5mm	D2 = 21mm L = 31,5mm	D2 = 26mm L = 34mm	D2 = 33mm L = 40mm	D2 = 41mm L = 46mm	mm	in
M3 & M3,15 & M3,5	#0-#6 & 1/8	12ERTCT6	16ERTCT6	20ERTCT6	25ERTCT6	—	—	3,58	.141
M4	#8 & 5/32	—	16ERTCT8	20ERTCT8	25ERTCT8	32ERTCT8	—	4,27	.168
M4,5 & M5	#10 & 3/16	—	16ERTCT10	20ERTCT10	25ERTCT10	32ERTCT10	—	4,93	.194
—	#12 & 7/32	—	—	20ERTCT12	25ERTCT12	32ERTCT12	—	5,59	.220
M6 & M6,3	#14 & 1/4	—	—	20ERTCT025	25ERTCT025	32ERTCT025	40ERTCT025	6,48	.255
M7 & M8	5/16	—	—	—	25ERTCT031	32ERTCT031	40ERTCT031	8,08	.318
—	7/16	—	—	—	25ERTCT043	32ERTCT043	40ERTCT043	8,20	.323
M12 & M12,5	1/2	—	—	—	25ERTCT050	32ERTCT050	40ERTCT050	9,32	.367
M10	3/8	—	—	—	25ERTCT037	32ERTCT037	40ERTCT037	9,68	.381
M14	9/16	—	—	—	—	32ERTCT056	40ERTCT056	10,90	.429
—	1/8P(LS)	—	—	—	—	32ERTCT012P	—	11,10	.437
M16	5/8	—	—	—	—	32ERTCT062	40ERTCT062	12,19	.480
M18	11/16	—	—	—	—	—	40ERTCT069	13,77	.542
—	3/4	—	—	—	—	—	40ERTCT075	14,99	.590
M20	13/16	—	—	—	—	—	40ERTCT081	16,56	.652
M22	7/8	—	—	—	—	—	40ERTCT087	17,70	.697

NOTE: 12ERTCT6 fits ER11 chucks.

Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.



# Solid Carbide TF Drills

B/K 105 Solid Carbide Drills are ideal for high metal removal rates and excellent hole quality in aluminum as well as in short-hole titanium applications.

#### **Three Cutting Edges**

- Higher feed rates than with two-edged drills.

#### **Three-Flute Design**

- Rapid chip evacuation.
- Three-margin lands deliver better hole quality and straightness than two-flute drills.

#### **Wear-Resistant Carbide Grade**

- High tool life in abrasive materials such as aluminum die cast alloys.

#### **Customization**

- Intermediate diameters available as semi-standards.
- Length variations and step drills available as customized solutions.

Experience the advantages at your Authorized Kennametal Distributor or at [www.kennametal.com](http://www.kennametal.com).

[www.kennametal.com](http://www.kennametal.com)



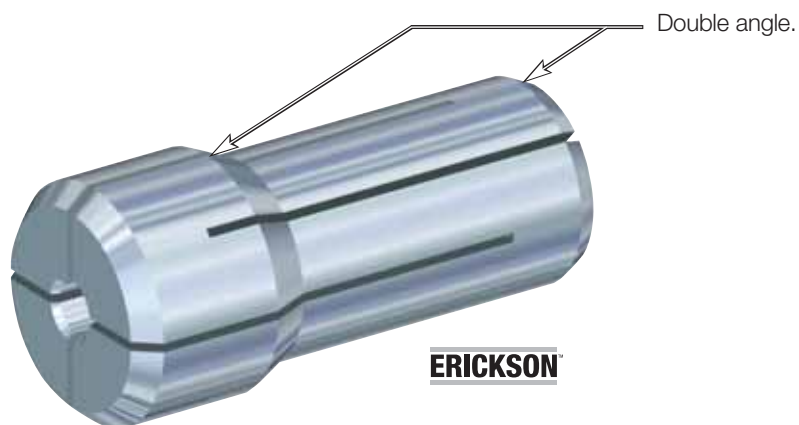
# ERICKSON™ • DA Double-Angle Collets

## Primary Application

DA – Double-Angle Collets are well-known in the industry as an economical collet system allowing reaching in to areas where other systems have clearance issues. These collets are manufactured according to the original ERICKSON standard styles, DA000, DA100, DA180, DA200, and DA300, with clamping sizes ranging from 0,5–20mm (.0197–.7500"). They are ideal for end milling, drilling, tapping, reaming, and boring solutions.

## Features and Benefits

- Original ERICKSON standard.
- Versatile double-angle design providing approximately 1:1 grip.
- Bonded style available for through-coolant applications.
- Non-pullout style to captivate Weldon®-style end mills.
- Dedicated versions for tapping — driving off the square of the tap.



- Industry-standard Erickson™ double-angle collet system.

**180DAC160M**

## ERICKSON

<h3>180</h3> <p>System Size</p> <p>100 = DA100 180 = DA180 200 = DA200 300 = DA300</p>	<h3>DA</h3> <p>Collet Style</p> <p>DA = Erickson Double Angle</p>	<h3>C</h3> <p>Special Feature (optional)</p> <p>C = Coolant style bonded NP = Non-pullout Weldon® (end mill design)</p>	<h3>160</h3> <p>Collet Bore Size</p> <p>metric (xx.x) 010 = 1mm 160 = 16mm</p> <p>inch (x.xxx) 0125 = 1/8" 0500 = 1/2"</p>	<h3>M</h3> <p>Identification Value</p> <p>M = Collet bore size built to metric values (blank) = Collet bore size built to inch values</p>
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### DA • Double Angle

- 0,8mm [.031" (1/32")] maximum range of collapse dependent on collet capacity.

**ERICKSON™**



### DAC • Double-Angle Coolant

- Rubber-filled slots seal coolant-fed tool applications.
- Suitable for coolant pressure up to 70 bar (1000 psi).
- Fits all standard DA-style collet chucks.
- 0,13mm (.005") range of collapse.

**ERICKSON™**



### DANP • Double-Angle Non-Pullout, Weldon® Style

- Designed to grip end mills with Weldon-style shanks.
- Positive retention and drive provided by drive wedge in collet.
- Eliminates inaccuracy created by solid end mill adapters.
- Fits all standard DA-style collet chucks.
- 0,13mm (.005") range of collapse.

**ERICKSON™**



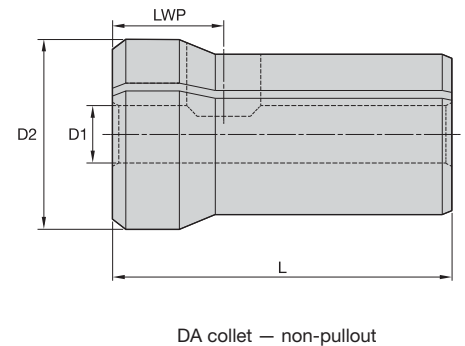
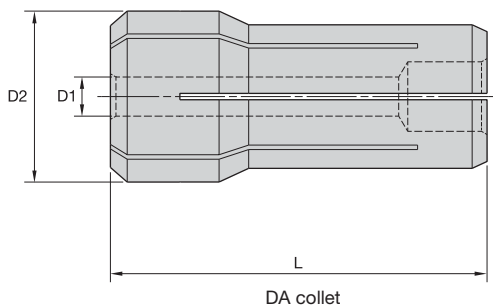
### DA-J, K, & L • Double-Angle Solid Tap

- Provides positive drive for taps.

**ERICKSON™**



- For bonded collet DAC only — rubber-filled slots seal collet for coolant-fed tool applications.
- Provides 1:1 grip for most drilling, reaming, and tapping applications.
- Industry-standard Erickson™ double-angle collet system.
- 000DA 0,25mm (.010") to 0,38mm (.015") range of collapse dependent on collet capacity.
- 300DA, 200DA, 100DA, and 180DA 0,30mm (.012") to 0,80 mm (.031") range of collapse dependent on collet capacity.
- 200 DAC, 100DAC, 180DAC, and 180DANP 0,13mm (.005") range of collapse.
- 0,025mm (.001") TIR collet accuracy.



DA collet



DA collet — non-pullout

### ■ DA Collet • Metric

collet capacity		000DA standard	300DA standard	200DA standard	200DA standard — coolant	100DA standard	100DA standard — coolant	180DA standard	180DA standard — coolant	180DA standard — non-pullout	LWP
D1	max mm	D2 = L =	D2 = L =	D2 = L =	D2 = L =	D2 = L =	D2 = L =	D2 = L =	D2 = L =	D2 = L =	
1,0	1,0	8,50mm 16,76mm	9,53mm 25,406mm	13,69mm 30,16mm	13,69mm 30,16mm	19,53mm 36,53mm	19,53mm 36,53mm	26,29mm 41,28mm	26,29mm 41,28mm	26,29mm 41,28mm	—
1,3	1,3	000DA010M 000DA012M	300DA010M —	200DA010M —	— —	— —	— —	— —	— —	— —	—
1,5	1,5	000DA015M	300DA015M	200DA015M	—	—	—	—	—	—	—
1,8	1,8	000DA017M	—	—	—	—	—	—	—	—	—
2,0	2,0	000DA020M	300DA020M*	200DA020M	—	—	—	—	—	—	—
2,3	2,3	000DA022M	—	—	—	—	—	—	—	—	—
2,5	2,5	000DA025M	300DA025M	200DA025M	—	100DA025M	—	—	—	—	—
2,8	2,8	000DA027M	—	—	—	—	—	—	—	—	—
3,0	3,0	000DA030M	300DA030M	200DA030M	—	100DA030M	—	180DA030M	—	—	—
3,3	3,3	000DA032M	—	—	—	—	—	—	—	—	—

\*0,8mm is the maximum value depending on the selection of collet.

(continued)

(DA Double-Angle Standard Collets continued)

collet capacity		000DA standard	300DA standard	200DA standard	200DA standard – coolant	100DA standard	100DA standard – coolant	180DA standard	180DA standard – coolant	180DA standard – non-pullout	LWP
D1	max mm	D2 = 8,50mm L = 16,76mm	D2 = 9,53mm L = 25,406mm	D2 = 13,69mm L = 30,16mm	D2 = 13,69mm L = 30,16mm	D2 = 19,53mm L = 36,53mm	D2 = 19,53mm L = 36,53mm	D2 = 26,29mm L = 41,28mm	D2 = 26,29mm L = 41,28mm	D2 = 26,29mm L = 41,28mm	
3,5	3,5	000DA035M	300DA035M	200DA035M	–	100DA035M	–	180DA035M	–	–	–
3,8	3,8	000DA037M	–	–	–	–	–	–	–	–	–
4,0	4,0	000DA040M	300DA040M	200DA040M	–	100DA040M	–	180DA040M	–	–	–
4,5	4,5	–	300DA045M	200DA045M	–	100DA045M	–	180DA045M	–	–	–
5,0	5,0	–	300DA050M	200DA050M	–	100DA050M	–	180DA050M	–	–	–
5,5	5,5	–	300DA055M	200DA055M	–	100DA055M	–	180DA055M	–	–	–
6,0	6,0	–	300DA060M	200DA060M	200DAC060M	100DA060M	100DAC060M	180DA060M	180DAC060M	–	–
6,5	6,5	–	–	200DA065M	–	100DA065M	–	180DA065M	–	–	–
7,0	7,0	–	–	200DA070M	–	100DA070M	–	180DA070M	–	–	–
7,5	7,5	–	–	200DA075M	–	100DA075M	–	180DA075M	–	–	–
8,0	8,0	–	–	200DA080M	200DAC080M	100DA080M	100DAC080M	180DA080M	180DAC080M	–	–
8,5	8,5	–	–	200DA085M	–	100DA085M	–	180DA085M	–	–	–
9,0	9,0	–	–	200DA090M	–	100DA090M	–	180DA090M	–	–	–
9,5	9,5	–	–	200DA095M	–	100DA095M	–	180DA095M	–	–	–
10,0	10,0	–	–	200DA100M	200DAC100M	100DA100M	100DAC100M	180DA100M	180DAC100M	–	–
10,0	10,0	–	–	–	–	–	–	–	–	180DANP100M	12,5
10,5	10,5	–	–	–	–	100DA105M	–	180DA105M	–	–	–
11,0	11,0	–	–	–	–	100DA110M	–	180DA110M	–	–	–
11,5	11,5	–	–	–	–	100DA115M	–	180DA115M	–	–	–
12,0	12,0	–	–	–	–	100DA120M	–	180DA120M	–	–	–
12,0	12,0	–	–	–	–	–	–	–	–	180DANP120M	12,5
12,0	12,0	–	–	–	–	–	100DAC120M	–	180DAC120M	–	–
12,5	12,5	–	–	–	–	100DA125M	–	180DA125M	–	–	–
13,0	13,0	–	–	–	–	100DA130M	–	180DA130M	–	–	–
13,5	13,5	–	–	–	–	100DA135M	–	180DA135M	–	–	–
14,0	14,0	–	–	–	–	100DA140M	100DAC140M	180DA140M	180DAC140M	–	–
14,5	14,5	–	–	–	–	–	–	180DA145M	–	–	–
15,0	15,0	–	–	–	–	–	–	180DA150M	–	–	–
15,5	15,5	–	–	–	–	–	–	180DA155M	–	–	–
16,0	16,0	–	–	–	–	–	–	–	180DAC160M	–	–
16,0	16,0	–	–	–	–	–	–	–	–	180DANP160M	16,1
16,0	16,0	–	–	–	–	–	–	180DA160M	–	–	–
16,5	16,5	–	–	–	–	–	–	180DA165M	–	–	–
17,0	17,0	–	–	–	–	–	–	180DA170M	–	–	–
17,5	17,5	–	–	–	–	–	–	180DA175M	–	–	–
18,0	18,0	–	–	–	–	–	–	180DA180M	180DAC180M	–	–
18,5	18,5	–	–	–	–	–	–	180DA185M	–	–	–
19,0	19,0	–	–	–	–	–	–	180DA190M	–	–	–
19,5	19,5	–	–	–	–	–	–	180DA195M	–	–	–
20,0	20,0	–	–	–	–	–	–	180DA200M	180DAC200M	–	–

(continued)

(DA Double-Angle Standard Collets continued)

■ DA200 Collet • Inch

D1	collet capacity max inch	300DA standard D2 = .375 L = 1.000	300DA standard – coolant D2 = .375 L = 1.000	200DA standard D2 = .539 L = 1.188	200DA standard – coolant D2 = .539 L = 1.188	100DA standard D2 = .769 L = 1.438	100DA standard – coolant D2 = .769 L = 1.438	180DA standard D2 = 1.035 L = 1.625	180DA standard – coolant D2 = 1.035 L = 1.625	180DA standard – non-pullout D2 = 1.035 L = 1.625	LWP
1/32	.031	300DA0031	–	–	–	–	–	–	–	–	–
3/64	.047	300DA0047	–	200DA0047	–	100DA0047	–	180DA0047	–	–	–
1/16	.063	300DA0062	–	200DA0062	–	100DA0062	–	180DA0062	–	–	–
5/64	.078	300DA0078	–	200DA0078	–	100DA0078	–	180DA0078	–	–	–
3/32	.094	300DA0094	–	200DA0094	–	100DA0094	–	180DA0094	–	–	–
7/64	.109	300DA0109	–	200DA0109	–	100DA0109	–	180DA0109	–	–	–
1/8	.125	300DA0125	300DAC0125	200DA0125	200DAC0125	100DA0125	100DAC0125	180DA0125	–	–	–
9/64	.141	300DA0141	300DAC0141	200DA0141	200DAC0141	–	–	180DA0141	–	–	–
9/64	.141	–	–	–	–	100DA0141	100DAC0141	–	–	–	–
5/32	.156	300DA0156	300DAC0156	200DA0156	200DAC0156	100DA0156	100DAC0156	180DA0156	–	–	–
11/64	.172	300DA0172	300DAC0172	200DA0172	200DAC0172	100DA0172	100DAC0172	180DA0172	–	–	–
3/16	.188	300DA0188	300DAC0188	200DA0188	200DAC0188	100DA0188	100DAC0188	180DA0188	–	–	–
13/64	.203	300DA0203	300DAC0203	200DA0203	–	100DA0203	100DAC0203	180DA0203	–	–	–
7/32	.219	300DA0219	300DAC0219	200DA0219	–	100DA0219	100DAC0219	180DA0219	–	–	–
15/64	.234	300DA0234	300DAC0234	200DA0234	200DAC0234	100DA0234	100DAC0234	180DA0234	–	–	–
1/4	.250	300DA0250	300DAC0250	200DA0250	200DAC0250	100DA0250	100DAC0250	180DA0250	180DAC0250	–	–
17/64	.266	–	–	200DA0266	200DAC0266	100DA0266	100DAC0266	180DA0266	180DAC0266	–	–
9/32	.281	–	–	200DA0281	200DAC0281	100DA0281	100DAC0281	180DA0281	180DAC0281	–	–
19/64	.297	–	–	200DA0297	–	100DA0297	100DAC0297	180DA0297	180DAC0297	–	–
5/16	.312	–	–	–	–	100DA0312	100DAC0312	–	–	–	–
5/16	.313	–	–	200DA0312	200DAC0312	–	–	180DA0312	180DAC0312	–	–
21/64	.328	–	–	200DA0328	200DAC0328	100DA0328	100DAC0328	180DA0328	180DAC0328	–	–
11/32	.344	–	–	200DA0344	200DAC0344	100DA0344	100DAC0344	180DA0344	180DAC0344	–	–
23/64	.359	–	–	200DA0359	–	100DA0359	100DAC0359	180DA0359	180DAC0359	–	–
3/8	.375	–	–	200DA0375	200DAC0375	100DA0375	100DAC0375	–	180DAC0375	–	–
3/8	.375	–	–	–	–	–	–	–	–	180DANP0375	.484
25/64	.391	–	–	200DA0391	200DAC0391	100DA0391	100DAC0391	180DA0391	180DAC0391	–	–
13/32	.406	–	–	–	–	100DA0406	100DAC0406	180DA0406	180DAC0406	–	–
27/64	.422	–	–	–	–	100DA0422	100DAC0422	180DA0422	180DAC0422	–	–
7/16	.438	–	–	–	–	100DA0438	100DAC0438	180DA0438	180DAC0438	–	–
29/64	.453	–	–	–	–	100DA0453	100DAC0453	180DA0453	180DAC0453	–	–
15/32	.469	–	–	–	–	100DA0469	100DAC0469	180DA0469	180DAC0469	–	–
31/64	.484	–	–	–	–	100DA0484	100DAC0484	180DA0484	180DAC0484	–	–
1/2	.500	–	–	–	–	100DA0500	100DAC0500	180DA0500	180DAC0500	–	–
1/2	.500	–	–	–	–	–	–	–	–	180DANP0500	.484
33/64	.516	–	–	–	–	100DA0516	100DAC0516	180DA0516	180DAC0516	–	–
17/32	.531	–	–	–	–	100DA0531	100DAC0531	180DA0531	180DAC0531	–	–
35/64	.547	–	–	–	–	100DA0547	100DAC0547	180DA0547	180DAC0547	–	–
9/16	.562	–	–	–	–	100DA0562	100DAC0562	–	–	–	–
9/16	.563	–	–	–	–	–	–	180DA0562	180DAC0562	–	–
37/64	.578	–	–	–	–	–	–	180DA0578	180DAC0578	–	–
19/32	.594	–	–	–	–	–	–	180DA0594	180DAC0594	–	–
39/64	.609	–	–	–	–	–	–	180DA0609	180DAC0609	–	–
5/8	.625	–	–	–	–	–	–	180DA0625	180DAC0625	–	–
5/8	.625	–	–	–	–	–	–	–	–	180DANP0625	.633
41/64	.641	–	–	–	–	–	–	180DA0641	180DAC0641	–	–
21/32	.656	–	–	–	–	–	–	180DA0656	180DAC0656	–	–
43/64	.672	–	–	–	–	–	–	180DA0672	180DAC0672	–	–



Collets and Sleeves

(continued)

(DA Double-Angle Standard Collets continued)

	collet capacity max inch	300DA standard D2 = .375 L = 1.000	300DA standard – coolant D2 = .375 L = 1.000	200DA standard D2 = .539 L = 1.188	200DA standard – coolant D2 = .539 L = 1.188	100DA standard D2 = .769 L = 1.438	100DA standard – coolant D2 = .769 L = 1.438	180DA standard D2 = 1.035 L = 1.625	180DA standard – coolant D2 = 1.035 L = 1.625	180DA standard – non-pullout D2 = 1.035 L = 1.625	LWP
11/16	.688	–	–	–	–	–	–	180DA0688	180DAC0688	–	–
45/64	.703	–	–	–	–	–	–	180DA0703	180DAC0703	–	–
23/32	.719	–	–	–	–	–	–	180DA0719	180DAC0719	–	–
47/64	.734	–	–	–	–	–	–	180DA0734	180DAC0734	–	–
3/4	.750	–	–	–	–	–	–	–	–	180DANP0750	.664
3/4	.750	–	–	–	–	–	–	180DA0750	180DAC0750	–	–



- An economical way to purchase a set of collets.



### ERICKSON

#### ■ DA Collet Set • Metric

order number	catalog number	series	quantity	dimensional range	incremental division
1293409	000DAS000M	DA000	13	1mm - 4mm	.25
1297410	300DAS000M	DA300	11	1mm - 6mm	.5
1296078	200DAS000M	DA200	19	1mm - 10mm	.5
1294736	100DAS000M	DA100	24	2,5mm - 14mm	.5
1191011	180DAS000M	DA180	35	3mm - 20mm	.5

#### ■ DA Collet Set • Inch

order number	catalog number	series	quantity	dimensional range	incremental division
1289026	S303SET	DA300	8	3/64 - 1/4	1/32 (3/32-1/4) + 3/64 & 5/64
1289027	S304SET	DA300	9	1/8 - 1/4	1/64
1289028	S305SET	DA300	5	1/8 - 1/4	1/32
1288983	S203SET	DA200	9	1/8 - 3/8	1/32
1288984	S204SET	DA200	17	1/8 - 3/8	1/64
1288923	S103SET	DA100	11	1/4 - 9/16	1/32
1288925	S104SET	DA100	21	1/4 - 9/16	1/64
1288963	S183SET	DA180	17	1/4 - 3/4	1/32
1288964	S184SET	DA180	33	1/4 - 3/4	1/64

Collets and Sleeves



# Difficult-to-Cut Materials Are No Match for Kennametal's High-Torque Shrink Fit System!

**Two lines available to address all your High Torque (HT) and General Purpose (GP) requirements.**

- HT line is ideal for heavy roughing operations that require higher clamping torque levels (30–50% higher than the GP line).
- Increase productivity and reduce costs with a shrinking and cooling process that takes 30 seconds or less!
- Precision engineered system ensures precise concentricity, greater balancing quality, optimized bore sizes, and superior metal removal rates.
- Increased accuracies when machining difficult to cut materials common to the aerospace industry.



*To learn more, scan here.*

*For instructions on how to scan, please see page xxxiii.*

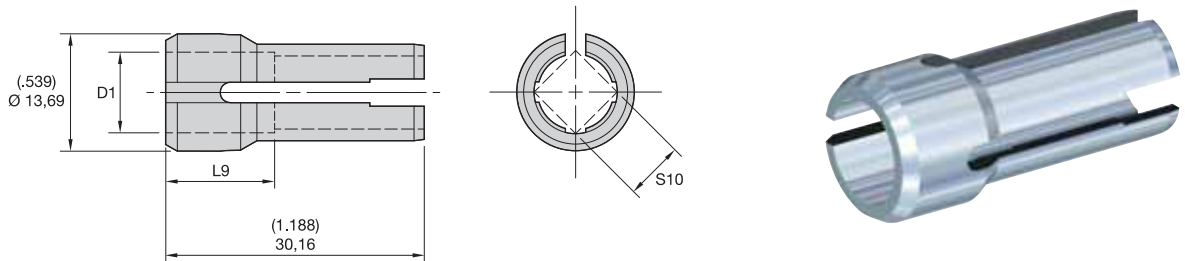


Visit [www.kennametal.com](http://www.kennametal.com) or contact your local Authorized Kennametal Distributor.

[www.kennametal.com](http://www.kennametal.com)



- Provides positive retention for tapping applications.
- Design of slots in back of collet acts as a drive for the tap square.
- Can be used in all standard J-series double-angle collet chucks.
- Industry-standard Erickson™ double-angle collet system.



**ERICKSON**

### ■ DA-J Tap Collet • Metric DIN

tap size	order number	catalog number	collet series	D1	S10	L9
M1 & M1,8 & M3 & M3,5	1274924	JTC025021M	J	2,5	2,1	13,0
M3 & M5	1274926	JTC035027M	J	3,5	2,7	13,0
M4 & M6	1274928	JTC045034M	J	4,5	3,4	13,0
M5 & M6 & M7 & M8	1274931	JTC060049M	J	6,0	4,9	13,0
M10	1274932	JTC070055M	J	7,0	5,5	13,0
M8 & M10 & M11	1228732	JTC080063M	J	8,1	6,3	13,0

### ■ DA-J Tap Collet • Metric ISO

tap size	order number	catalog number	collet series	D1	S10	L9
M2,5 & M4	1274925	JTC028021M	J	2,8	2,1	13,0
M2,2 & M2,5	1228728	JTC028022M	J	2,8	2,2	13,0
M3 & M4	1228729	JTC032025M	J	3,2	2,5	13,0
M3,5 & M4,5	1274927	JTC036028M	J	3,6	2,8	13,0
M4 & M5	1228730	JTC040032M	J	4,0	3,2	13,0
M4,5 & M6	1274929	JTC045036M	J	4,5	3,6	13,0
12UNC/UNF	1274930	JTC056045M	J	5,6	4,5	—
M7	1274933	JTC071056M	J	7,1	5,6	13,0
M8 & M10 & M11	1228732	JTC080063M	J	8,1	6,3	13,0
M9 & M12	1228733	JTC090071M	J	9,0	7,1	13,0

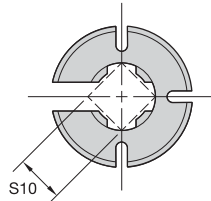
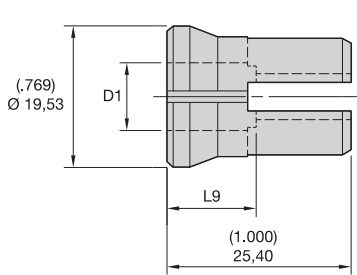
### ■ DA-J Tap Collet • Inch/Metric ANSI

tap size		order number	catalog number	collet series	D1	S10	L9
mm	in						
M3 & M3,15 & M3,5	0-#6 & 1/8	1016411	JTC6	J	.141	.110	.500
M4	8 & 5/32	1016464	JTC8	J	.168	.131	.500
M4,5 & M5	10 & 3/16	1016467	JTC10	J	.194	.152	.500
—	12 & 7/32	1016470	JTC12	J	.220	.165	.500
M6 & M6,3	14 & 1/4	1016473	JTC025	J	.255	.191	.500
M7 & M8	5/16	1016529	JTC031	J	.318	.238	.500
—	7/16	1016532	JTC043	J	.323	.242	.500
M12 & M12,5	1/2	1016585	JTC050	J	.367	.275	.500
M10	3/8	1016589	JTC037	J	.381	.286	.500

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.  
 Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.  
 Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.  
 Never try to stretch the collets by clamping oversized cutting tools.



- Provides positive drive for tapping applications.
- Design of slots in back of collet acts as a drive for the tap square.
- Can be used in all standard K-series double-angle collet chucks.
- Industry-standard Erickson™ double-angle collet system.



### ERICKSON™

#### ■ DA-K Tap Collet • Metric DIN

tap size	order number	catalog number	collet series	D1	S10	L9
M1 & M1,8 & M3 & M3,5	1280271	KTC025021M	K	2,5	2,1	13,0
M3 & M5	1280273	KTC035027M	K	3,5	2,7	13,0
M4 & M6	1280274	KTC045034M	K	4,5	3,4	13,0
M5 & M6 & M7 & M8	1280275	KTC060049M	K	6,0	4,9	13,0
M10	1280277	KTC070055M	K	7,0	5,5	13,0
M10	1192315	KTC100080M	K	10,0	8,0	13,0
M14	1280279	KTC110090M	K	11,0	9,0	13,0
M16	1280280	KTC120090M	K	12,0	9,0	13,0

#### ■ DA-K Tap Collet • Metric ISO

tap size	order number	catalog number	collet series	D1	S10	L9
M2,5 & M4	1280272	KTC028021M	K	2,8	2,1	13,0
M3,5 & 4,5	1192306	KTC036028M	K	3,6	2,8	13,0
M4 & M5	1192307	KTC040032M	K	4,0	3,2	13,0
M4,5 & M6	1192308	KTC045036M	K	4,5	3,6	13,0
M5	1192309	KTC050040M	K	5,0	4,0	13,0
M7	1192312	KTC071056M	K	7,1	5,6	13,0
M8 & M10 & M11	1192313	KTC080063M	K	8,0	6,3	13,0
M9 & M12	1192314	KTC090071M	K	9,0	7,1	13,0
M14	1192316	KTC112090M	K	11,2	9,0	13,0

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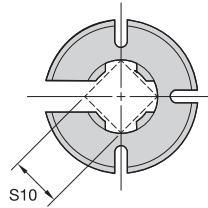
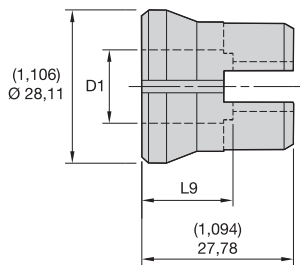
(DA-K Series Double-Angle Solid Tap Collets continued)

■ DA-K Tap Collet • Inch/Metric ANSI

tap size		order number	catalog number	collet series	D1	S10	L9
mm	in						
M3 & M3,15 & M3,5	0-#6 & 1/8	1016412	KTC6	K	.141	.110	.480
M4	8 & 5/32	1016465	KTC8	K	.168	.131	.480
M4,5 & M5	10 & 3/16	1016468	KTC10	K	.194	.152	.480
—	12 & 7/32	1016471	KTC12	K	.220	.165	.480
M6 & M6,3	14 & 1/4	1016524	KTC025	K	.255	.191	.480
M7 & M8	5/16	1016530	KTC031	K	.318	.238	.480
—	7/16	1016533	KTC043	K	.323	.242	.480
M12 & M12,5	1/2	1016586	KTC050	K	.367	.275	.480
M10	3/8	1016590	KTC037	K	.381	.286	.480
M14	9/16	1016592	KTC056	K	.429	.322	.480

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.  
Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.  
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.  
Never try to stretch the collets by clamping oversized cutting tools.

- Provides positive drive for tapping applications.
- Design of slots in back of collet acts as a drive for the tap square.
- Can be used in all standard L-series double-angle collet chucks.
- Industry-standard Erickson™ double-angle collet system.



### ERICKSON™

#### ■ DA-L Tap Collet • Metric DIN

tap size	order number	catalog number	collet series	D1	S10	L9
M5 & M6 & M7 & M8	1192328	LTC060049M	L	6,0	4,9	15,0
M10	1109575	LTC070055M	L	7,0	5,5	15,0
M10	1117803	LTC100080M	L	10,0	8,0	15,0
M14	1281835	LTC110090M	L	11,0	9,0	15,0
M16	1281837	LTC120090M	L	12,0	9,0	15,0
M18	1281838	LTC140110M	L	14,0	11,0	15,0
M20	1281839	LTC160120M	L	16,0	12,0	15,0
M22 & M24	1109574	LTC180145M	L	18,0	14,5	15,0

#### ■ DA-L Tap Collet • Metric ISO

tap size	order number	catalog number	collet series	D1	S10	L9
—	1192329	LTC063050M	L	6,3	4,9	15,0
M7	1192330	LTC071056M	L	7,1	5,6	15,0
M8 & M10 & M11	1117802	LTC080063M	L	8,0	6,3	15,0
M9 & M12	1093758	LTC090071M	L	9,0	7,1	15,0
(1/4BSPF)	1192331	LTC109082M	L	10,9	8,2	—
(1/8NPT) (ANSI)	1192332	LTC111085M	L	11,1	8,5	—
M14	1281836	LTC112090M	L	11,2	9,0	15,0
M16 (3/8BSP)	1192333	LTC125100M	L	12,5	10,0	15,0
M18 & M20	1192335	LTC140112M	L	14,0	11,2	15,0
(1/4NPT) (ANSI)	1192336	LTC143107M	L	14,3	10,7	—
M22	1192337	LTC160125M	L	16,0	12,5	15,0
M24	1192338	LTC180140M	L	18,0	14,0	15,0

(continued)

(DA-L Series Double-Angle Solid Tap Collets continued)

### ■ DA-L Tap Collet • Inch/Metric ANSI

tap size		order number	catalog number	collet series	D1	S10	L9
mm	in						
M3 & M3,15 & M3,5	0-#6 & 1/8	1016413	LTC6	L	.141	.110	.560
M4	8 & 5/32	1016466	LTC8	L	.168	.131	.560
M4,5 & M5	10 & 3/16	1016469	LTC10	L	.194	.152	.560
—	12 & 7/32	1016472	LTC12	L	.220	.165	.560
M6 & M6,3	14 & 1/4	1016525	LTC025	L	.255	.191	.560
M7 & M8	5/16	1016531	LTC031	L	.318	.238	.560
—	7/16	1016584	LTC043	L	.323	.242	.560
M12 & M12,5	1/2	1016587	LTC050	L	.367	.275	.560
M10	3/8	1016591	LTC037	L	.381	.286	.560
M14	9/16	1016593	LTC056	L	.429	.322	.560
M16	5/8	1016658	LTC062	L	.480	.360	.560
M18	11/16	1016660	LTC069	L	.542	.406	.560
—	3/4	1016663	LTC075	L	.590	.442	.560
M20	13/16	1016705	LTC081	L	.652	.489	.560
M22	7/8	1016708	LTC087	L	.697	.523	.560

NOTE: Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.  
 Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.  
 Never try to stretch the collets by clamping oversized cutting tools.



# RC Rapid Quick-Change Tap Adapters • Tapping

## Primary Application

ERICKSON RC Rapid Quick-Change Tap Adapters are convenient for hand changes with taps within seconds. No wrenches or locknuts are required. For this positive drive tap adapter, simply hold the tap in place with internal locking balls and drive on the tap square.

## Features and Benefits

- Compact Rapid Change by hand design.
- Solid positive drive.
- Coolant through the tap design.



- Rapid-change style.
- Solid-positive drive.
- Coolant capability by using cutting tool with coolant feature.
- For taps with DIN, ISO, and ANSI specifications.



## ERICKSON

RC1	TA	025	021	M	010
System Size	Collet Style	Collet Bore Size	Collet Drive Size	Identification Value	Tap Size
<p>RC1 = RC1</p> <p>RC2 = RC2</p> <p>RC3 = RC3</p>	<p>TA = Tap Adapter</p>	<p><b>metric (xx.x)</b></p> <p>025 = 2,5mm</p> <p>110 = 11mm</p> <p>245 = 24,5mm</p> <p><b>inch (x.xxx)</b></p> <p>0125 = 1/8"</p> <p>0500 = 1/2"</p>	<p><b>metric (xx.x)</b></p> <p>010 = 1mm</p> <p>160 = 16mm</p> <p>245 = 24,5mm</p> <p><b>inch (x.xxx)</b></p> <p>0125 = 1/8"</p> <p>0500 = 1/2"</p> <p>1000 = 1"</p>	<p><b>M</b> = Sleeve bore size built to metric values</p> <p><b>IN</b> = Sleeve bore size built to inch values</p>	<p><b>metric (xx.x)</b></p> <p>010 = 1mm</p> <p>160 = 16mm</p> <p>245 = 24,5mm</p> <p><b>inch (x.xxx)</b></p> <p>0125 = 1/8"</p> <p>0500 = 1/2"</p> <p>1000 = 1"</p>

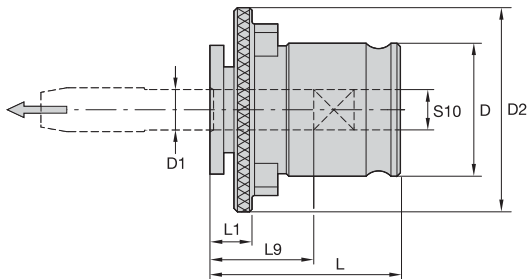


# Quick-Change Tap Adapters

RC-Style Solid Tap Adapters



- Rapid Change style.
- Solid-positive drive.
- Coolant capability by using cutting tool with coolant feature.
- For taps with DIN, ISO, and ANSI specifications.



## ERICKSON™

### RC Solid Tap Adapter • Metric DIN

tap size DIN	RC1 D = 19mm D2 = 30mm L = 28mm L1 = 7mm L9 = 17mm	RC2 D = 31mm D2 = 48mm L = 46mm L1 = 11mm L9 = 30mm	RC3 D = 48mm D2 = 70mm L = 70mm L1 = 14mm L9 = 44mm	D1	S10
M1 & M1.8 & M3 & M3.5	RC1TA025021M010	—	—	2,5	2,1
M2.5 & M4	RC1TA028021M020	—	—	2,8	2,1
M3 & M5	RC1TA035027M030	—	—	3,5	2,7
M3.5	RC1TA040030M035	—	—	4,0	3,0
M4 & M6	RC1TA045034M040	—	—	4,5	3,4
M4	—	RC2TA045034M040	—	4,5	3,4
M5 & M6 & M7 & M8	RC1TA060049M050	RC2TA060049M050	—	6,0	4,9
M10	RC1TA070055M100	RC2TA070055M100	—	7,0	5,5
M8	RC1TA080062M080	RC2TA080062M080	—	8,0	6,2
M12	RC1TA090070M120	RC2TA090070M120	—	9,0	7,0
M10	RC1TA100080M100	RC2TA100080M100	—	10,0	8,0
M14	RC1TA110090M140	RC2TA110090M140	RC3TA110090M140	11,0	9,0
M16	—	—	RC3TA120090M160	12,0	9,0
M16	—	RC2TA120090M160	—	12,9	9,0
M18	—	RC2TA140110M180	RC3TA140110M180	14,0	11,0
M20	—	RC2TA160120M200	RC3TA160120M200	16,0	12,0
M22 & M24	—	RC2TA180145M220	—	18,0	4,5
—	—	—	RC3TA180140M240	18,0	14,0
M22 & M24	—	—	RC3TA180145M240	18,0	14,5
M27	—	—	RC3TA200160M300	20,0	16,0
M30	—	—	RC3TA220180M300	22,0	18,0
M33	—	—	RC3TA250200M360	25,0	20,0
M36	—	—	RC3TA280220M360	28,0	22,0

(continued)

Quick-Change Tap Adapters

(RC-Style Solid Tap Adapters continued)

■ RC Solid Tap Adapter • Metric ISO

tap size	RC1	RC2	RC3	D1	S10
	D = 19mm D2 = 30mm L = 28mm L1 = 7mm L9 = 17mm	D = 31mm D2 = 48mm L = 46mm L1 = 11mm L9 = 30mm	D = 48mm D2 = 70mm L = 70mm L1 = 14mm L9 = 44mm		
M3	RC1TA023018M030	—	—	2,24	1,80
M2.2 & M2.5	RC1TA028023M025	—	—	2,80	2,24
M3 & M4	RC1TA032025M030	—	—	3,15	2,50
M3.5 & M4.5	RC1TA036028M035	—	—	3,55	2,80
M4 & M5	RC1TA040032M040	—	—	4,00	3,15
M4.5 & M6	RC1TA045036M060	RC2TA045036M060	—	4,50	3,55
M5	RC1TA050040M050	RC2TA050040M050	—	5,00	4,00
—	RC1TA056045M000	—	—	5,60	4,50
M6 & M8	RC1TA063050M060	RC2TA063050M060	—	6,30	5,00
M7	RC1TA071056M070	RC2TA071056M070	—	7,10	5,60
M8 & M10 & M11	RC1TA080063M080	RC2TA080063M080	—	8,00	6,30
M9 & M12	RC1TA090071M090	—	—	9,00	7,10
M9 & M12	—	RC2TA090071M090	—	9,00	7,10
M14	RC1TA112090M140	RC2TA112090M140	RC3TA112090M140	11,20	9,00
M16	—	RC2TA125100M160	—	12,50	10,00
M18 & M20	—	RC2TA140112M180	—	14,00	11,20
M22	—	RC2TA160125M220	RC3TA160125M220	16,00	12,50
M24	—	RC2TA180140M240	—	18,00	14,00
M33	—	—	RC3TA224180M330	22,40	18,00

(continued)





(RC-Style Solid Tap Adapters continued)

■ RC Solid Tap Adapter • Inch/Metric ANSI

tap size		RC1 D = .750 D2 = 1.180 L = 1.100 L1 = .280	RC2 D = 1.220 D2 = 1.890 L = 1.810 L1 = .430	RC3 D = 1.890 D2 = 2.760 L = 2.760 L1 = .550	D1	S10
mm	in					
M3 & M3,18 & M3,5	#0 - #6 UNC/UNF	T11006	—	—	.141	.110
M4	#8 UNC/UNF	T11007	—	—	.168	.131
M4,5 & M5	#10 UNC/UNF	T11008	—	—	.194	.152
—	#12 UNC/UNF	T11009	—	—	.220	.165
M6 & M6,3	1/4 UNC/UNF	T11010	—	—	.255	.191
—	—	T110166	—	—	.313	.234
M7 & M8	5/16 UNC/UNF	T11012	T21018	—	.318	.238
—	7/16 UNC/UNF	T11014	T21020	—	.323	.242
M12 & M12,5	1/2 UNC/UNF	T11015	T21021	—	.367	.275
M10	3/8 UNC/UNF	T11013	T21019	—	.381	.286
M14	9/16 UNC/UNF	T110155	T21022	—	.429	.322
—	—	T110177	—	—	.438	.328
M16	5/8 UNC/UNF	—	T21023	—	.480	.360
M18	11/16 UNC/UNF	—	T21024	—	.542	.406
—	—	—	T210288	—	.563	.421
—	3/4 UNC/UNF	—	T21025	—	.590	.442
M20	13/16 UNC/UNF	—	T21026	T31031	.652	.489
—	—	—	T210300	T310387	.688	.515
M22	7/8 UNC/UNF	—	T21027	T31032	.697	.523
—	—	—	T210299	—	.700	.531
M24	15/16 UNC/UNF	—	—	T31033	.760	.570
M25	1 UNC/UNF	—	—	T31034	.800	.600
M27	1 1/8 UNC/UNF	—	—	T31035	.896	.672
—	—	—	—	T310388	.906	.679
—	1 1/4 UNC/UNF	—	—	T31036	1.021	.766
M30	1 3/8 UNC/UNF	—	—	T31037	1.108	.831
—	—	—	—	T310389	1.125	.843

Quick-Change Tap Adapters

- An economical way to purchase a set of RC tap adapters.
- Rapid Change style.
- Solid-positive drive.
- Coolant capability by using cutting tool with coolant feature.



## ERICKSON

### ■ RC Solid Tap Adapter Set • Inch

catalog number	series	quantity	dimensional range
T1SET	RC1	10	#0 - 9/16
T2SET	RC2	10	5/16 - 7/8

