



1-210-10-1-2

1-210-10-1-0



**HALF-ROUND FILE**

**Engineering File**

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
<b>With Bi-Molded ERGO® Handle</b>					
1-210-06-1-2	6	5/8	3/16	33	Bastard
1-210-06-2-2	6	5/8	5/8	46	Second
1-210-06-3-2	6	5/8	5/8	56	Smooth
1-210-08-1-2	8	13/16	13/16	25	Bastard
1-210-08-2-2	8	13/16	13/16	36	Second
1-210-10-1-2	10	1 3/64	1 3/64	23	Bastard
1-210-10-2-2	10	1 3/64	1 3/64	30	Second
1-210-12-1-2	12	1 7/32	1 7/32	20	Bastard
1-210-12-2-2	12	1 7/32	1 7/32	28	Second

**Without handle**

1-210-04-1-0	4	25/64	1/8	43	Bastard
1-210-04-2-0	4	25/64	1/8	56	Second
1-210-04-3-0	4	25/64	1/8	71	Smooth
1-210-06-1-0	6	5/8	3/16	33	Bastard
1-210-06-2-0	6	5/8	5/8	46	Second
1-210-06-3-0	6	5/8	5/8	56	Smooth
1-210-08-1-0	8	13/16	13/16	25	Bastard
1-210-08-2-0	8	13/16	13/16	36	Second
1-210-08-3-0	8	13/16	13/16	46	Smooth
1-210-10-1-0	10	1 3/64	1 3/64	23	Bastard
1-210-10-2-0	10	1 3/64	1 3/64	30	Second
1-210-10-3-0	10	1 3/64	1 3/64	41	Smooth
1-210-12-1-0	12	1 7/32	1 7/32	20	Bastard
1-210-12-2-0	12	1 7/32	1 7/32	28	Second
1-210-12-3-0	12	1 7/32	1 7/32	36	Smooth
1-210-14-1-0	14	1 3/8	1 3/8	18	Bastard

**Features**

- Used for filing concave and flat surfaces as well as large holes and deburring requirements. Edges and surfaces are tapered towards the point and has double surface cuts.



1-230-10-1-2

1-230-10-1-0



**ROUND FILE**

**Engineering File**

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
<b>With Bi-Molded ERGO® Handle</b>					
1-230-06-1-2	6	15/32	-	33	Bastard
1-230-06-2-2	6	15/32	-	46	Second
1-230-08-1-2	8	5/16	-	25	Bastard
1-230-08-2-2	8	5/16	-	36	Second
1-230-10-1-2	10	25/64	-	23	Bastard
1-230-10-2-2	10	25/64	-	30	Second
1-230-10-3-2	10	25/64	-	41	Smooth

**Without handle**

1-230-04-1-0	4	9/64	-	43	Bastard
1-230-04-2-0	4	9/64	-	56	Second
1-230-04-3-0	4	9/64	-	71	Smooth
1-230-06-1-0	6	15/32	-	33	Bastard
1-230-06-2-0	6	15/32	-	46	Second
1-230-06-3-0	6	15/32	-	56	Smooth
1-230-08-1-0	8	5/16	-	25	Bastard
1-230-08-2-0	8	5/16	-	36	Second
1-230-08-3-0	8	5/16	-	46	Smooth
1-230-10-1-0	10	25/64	-	23	Bastard
1-230-10-2-0	10	25/64	-	30	Second
1-230-10-3-0	10	25/64	-	41	Smooth
1-230-12-1-0	12	15/32	-	20	Bastard
1-230-12-2-0	12	15/32	-	28	Second
1-230-12-3-0	12	15/32	-	36	Smooth

**Features**

- Regularly used for filing holes, large fillets and concave surfaces. File is tapered to a point and has a double cut.