

4-Flute Double End Regular Length

Four-flute configuration with centre cutting permits plunging and milling on many ferrous and non-ferrous materials. It also offers lower chip-load for size control and finish.

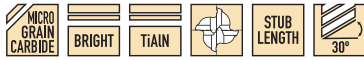


Bright: Speeds & Feeds > P. A31
TiAlN: Speeds & Feeds > P. A34

Cutting Dia.	Shank Dia.	Flute Length	Overall Length	Bright Code No.	Price \$	TiAlN Code No.	Price \$
Inch							
1/8	3/8	3/8	3-1/16	101340	38.84	102589	51.13
5/32	3/8	7/16	3-1/8	101341	38.84	-	-
3/16	3/8	1/2	3-1/4	101342	38.84	102593	51.13
7/32	3/8	9/16	3-3/8	101343	38.84	102595	51.13
1/4	3/8	5/8	3-3/8	101344	38.84	102597	51.13
9/32	3/8	11/16	3-3/8	101345	44.64	102599	60.22
5/16	3/8	3/4	3-1/2	101346	44.64	102671	60.22
11/32	3/8	3/4	3-1/2	101347	43.37	-	-
3/8	3/8	3/4	3-1/2	101348	44.64	102675	60.22
7/16	1/2	7/8	4	101349	52.64	-	-
1/2	1/2	1	4	101350	57.62	102679	69.67

4-Flute Double End Stub Length

These end mills have a shorter flute length which provides greater rigidity with less deflection for shallow milling or slotting. This series is ideal for use on high tensile alloys and heat treated steels.



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Cutting Dia.	Shank Dia.	Flute Length	Overall Length	Bright Code No.	Price \$	TiAlN Code No.	Price \$
Inch							
1/16	1/8	1/8	1-1/2	102230	19.80	102330	23.77
3/32	1/8	3/16	1-1/2	102232	19.80	102332	23.77
1/8	1/8	1/4	1-1/2	102234	12.27	102334	16.25
5/32	3/16	5/16	2	102236	21.80	102336	25.78
3/16	3/16	3/8	2	102238	17.78	102338	21.77
7/32	1/4	1/2	2-1/2	102240	25.42	102340	33.62
1/4	1/4	1/2	2-1/2	102242	23.16	102342	31.34
5/16	5/16	1/2	2-1/2	102244	28.82	102344	41.08
3/8	3/8	1/2	2-1/2	102246	30.64	102346	42.93
7/16	7/16	9/16	2-3/4	102248	52.07	102348	66.02
1/2	1/2	5/8	3	102250	52.07	102350	66.02

4-Flute Corner Radius Regular Length

Four-flute carbide end mills with corner radius allows more strength and minimizes chipping on corners. Four-flute construction provides more strength than two or three-flute and will also result in excellent surface finishes.



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Cutting Dia.	Corner Radius (in.)	Shank Dia.	Flute Length	Overall Length	Bright Code No.	Price \$	TiAlN Code No.	Price \$
Inch								
1/8	0.015	1/8	1/2	1-1/2	101175	11.44	101833	14.10
3/16	0.020	3/16	5/8	2	101176	15.08	101834	17.73
3/16	0.030	3/16	5/8	2	101177	15.08	101835	17.73
1/4	0.020	1/4	3/4	2-1/2	101178	18.74	101836	24.19
1/4	0.030	1/4	3/4	2-1/2	101179	18.74	101837	24.19
1/4	0.045	1/4	3/4	2-1/2	101180	18.74	101838	24.19
5/16	0.020	5/16	13/16	2-1/2	101181	24.56	101839	32.78
5/16	0.030	5/16	13/16	2-1/2	101182	24.56	101862	32.78
5/16	0.045	5/16	13/16	2-1/2	101183	24.56	101863	32.78
3/8	0.020	3/8	1	2-1/2	101184	30.06	101864	38.28
3/8	0.030	3/8	1	2-1/2	101185	30.06	101865	38.28
3/8	0.045	3/8	1	2-1/2	101186	30.06	101866	38.28
1/2	0.020	1/2	1	3	101187	55.95	101867	65.29
1/2	0.030	1/2	1	3	101188	55.95	101868	65.29
1/2	0.045	1/2	1	3	101189	55.95	101869	65.29
1/2	0.060	1/2	1	3	101190	55.95	101892	65.29
5/8	0.020	5/8	1-1/4	3-1/2	101191	90.49	101893	103.94
5/8	0.030	5/8	1-1/4	3-1/2	101192	90.49	101894	103.94
5/8	0.045	5/8	1-1/4	3-1/2	101193	90.49	101895	103.94
5/8	0.060	5/8	1-1/4	3-1/2	101194	90.49	101896	103.94
5/8	0.090	5/8	1-1/4	3-1/2	101195	90.49	101897	103.94
3/4	0.020	3/4	1-1/2	4	101197	133.17	101898	149.06
3/4	0.030	3/4	1-1/2	4	101198	133.17	101899	149.06
3/4	0.045	3/4	1-1/2	4	101199	133.17	101900	149.06
3/4	0.060	3/4	1-1/2	4	101200	133.17	101991	149.06
3/4	0.090	3/4	1-1/2	4	101201	133.17	101992	149.06
3/4	0.125	3/4	1-1/2	4	101196	133.17	101993	149.06
1	0.020	1	1-1/2	4	101203	230.99	101994	254.48
1	0.030	1	1-1/2	4	101204	230.99	101995	254.48
1	0.045	1	1-1/2	4	101205	230.99	101996	254.48
1	0.060	1	1-1/2	4	101206	230.99	101997	254.48
1	0.090	1	1-1/2	4	101207	230.99	101998	254.48
1	0.125	1	1-1/2	4	101202	230.99	101999	254.48



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