



CARBIDE TIPPED SINGLE END MILLS

FOR MILD STEELS

Spiral Flute, Right Hand, Straight Shank.



Size	Shank Dia.	Flute Length	Overall Length	No. of Flutes	Model No.
1/4	3/8	1/2	2-1/2	2	243-0020
5/16	3/8	5/8	2-1/2	2	243-0040
3/8	3/8	5/8	2-1/2	2	243-0060
7/16	3/8	1"	2-11/16	2	243-0080
1/2	1/2	1"	3-1/4	2	243-0100
9/16	1/2	1"	3-3/8	2	243-0120
5/8	1/2	1"	3-3/8	4	243-0140
5/8	5/8	1-1/4	3-5/8	3	243-0145
3/4	5/8	1"	3-5/8	4	243-0160
3/4	3/4	1-1/2	4-1/8	3	243-0165
7/8	5/8	1-1/4	4"	4	243-0180
1"	7/8	1-1/4	4"	4	243-0200

Size	Shank Dia.	Flute Length	Overall Length	No. of Flutes	Model No.
1"	1"	1-3/4	4-3/4	4	243-0205
1-1/8	1"	1-1/4	4-1/4	4	243-0220
1-1/8	1"	1-3/4	4-3/4	4	243-0225
1-1/4	1"	1-1/4	4-1/4	4	243-0240
1-1/4	1-1/4	2-1/8	5-1/4	4	243-0245
1-3/8	1-1/4	2-1/8	5-1/4	4	243-0250
1-1/2	1-1/4	1-1/2	4-1/2	4	243-0260
1-1/2	1-1/2	2-1/2	6-1/8	4	243-0265
1-3/4	1-1/2	2-1/2	6-1/8	4	243-0270
2"	1-1/4	1-1/2	4-1/2	6	243-0300
2"	2"	3"	7"	6	243-0305

FOR CAST IRON TYPE

Spiral Flute, Right Hand, Straight Shank.

Size	Shank Dia.	Flute Length	Overall Length	No. of Flutes	Model No.
1/4	3/8	1/2	2-1/2	4	243-1020
5/16	3/8	5/8	2-1/2	4	243-1040
3/8	3/8	5/8	2-1/2	4	243-1060
7/16	3/8	1"	2-11/16	4	243-1080
1/2	1/2	1"	3-1/4	4	243-1100
9/16	1/2	1"	3-3/8	4	243-1120
5/8	1/2	1"	3-3/8	4	243-1140
3/4	5/8	1"	3-5/8	4	243-1160
7/8	5/8	1-1/4	4"	4	243-1180
1"	7/8	1-1/4	4"	4	243-1200
1-1/8	1"	1-1/4	4-1/4	4	243-1220
1-1/4	1"	1-1/4	4-1/4	4	243-1240
1-1/2	1-1/4	1-1/2	4-1/2	4	243-1260
1-3/4	1-1/4	1-1/2	4-1/2	6	243-1280
2"	1-1/4	1-1/2	4-1/2	6	243-1300



TWO FLUTE SINGLE END MILLS

Straight Flute, Positive Rake, 90° Square Shoulder.



Size	Shank Dia.	Flute Length	Overall Length	No. of Flutes	Model No.
5/16	3/8	1/2	2-3/8	2	243-0312
3/8	3/8	5/8	2-5/8	2	243-0375
1/2	1/2	5/8	2-3/4	2	243-0500
9/16	5/8	3/4	2-7/8	2	243-0562
5/8	5/8	3/4	2-7/8	2	243-0625
3/4	3/4	1"	3-5/32	2	243-0750

CARBIDE TIPPED HEAVY DUTY END MILLS

Features:

- All material can be machined with these ultra microgram end mills at high or low cutting speeds, and feeds with increased wear resistance.
- Specially designed with a 25° right hand helix.
- Tough carbide grade allows high speed milling operations.

Ultra Fine. For General Purpose.

Two Flute Center Cutting



- Suited for the rough machining, heavy cutting and grooving machining as this allows larger chip pocket and increased feeding.

Three Flute Center Cutting



- Especially three flutes type vibrates less when entering and as result can increase feed rate over two flutes type.

Four Flute Center Cutting



- Allows better balance for machining.
- Suited for finish and side surface machining as this is less likely to tilt.

Size	Shank Dia.	Flute Length	Overall Length	Two Flute Model No.	Three Flute Model No.	Four Flute Model No.
5/8	5/8	1-3/16	3-1/2	243-2040	243-2240	
3/4	3/4	1-27/64	3-3/4	243-2048	243-2248	243-2448
7/8	3/4	1-27/64	3-3/4	243-2056	243-2256	243-2456
1"	1	1-29/64	4-1/8	243-2064	243-2264	243-2464
1-1/8	1	1-9/16	4-1/2	243-2072	243-2272	
1-1/4	1-1/4	1-27/32	5-1/8	243-2080	243-2280	243-2480
1-1/2	1-1/4	2-1/4	5-1/2	243-2096	243-2296	243-2496
1-3/4	1-1/4	2-5/8	6-1/8	243-2112	243-2312	243-2512
2"	1-1/4	2-5/8	6-1/8	243-2128	243-2328	243-2528