High Speed Steel End Mills

Recommended for milling all types of carbon steel, stainless steel and most ferrous materials.

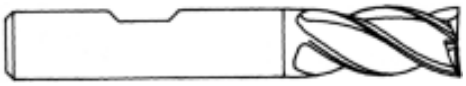
2 Flute, Regular Length, Single End, Center Cutting, R.H. Helix, R.H. Cut.

Recommended for milling slots, pockets, and plunge cuts. The end teeth are cut to center allowing these end mills to plunge into solid material at the beginning of a slotting cut. The two flute design provides good chip removal ability in slotting operations.

2 FLUTE END MILLS (H.S.S.)					
CUTTING DIA.	SHANK DIA.	FLUTE LENGTH	O.A.L.	ITEM NO.	PRICE EACH
1/8"	3/8"	3/8"	2-5/16"	G4	$6.86
3/16"	3/8"	7/16"	2-5/16"	G6	6.86
1/4"	3/8"	1/2"	2-5/16"	G8	6.86
5/16"	3/8"	9/16"	2-5/16"	G10	-----
3/8"	3/8"	9/16"	2-5/16"	G12	6.86
1/2"	1/2"	1"	3"	G16	10.50
5/8"	5/8"	1-5/16"	3-7/16"	G20	13.94
3/4"	3/4"	1-5/16"	3-5/16"	G24Y	18.20
1"	3/4"	1-1/2"	3-3/4"	G32W	33.40

4 Flute, Regular Length, Single End, Center Cutting, R.H. Helix, R.H. Cut.

Designed for high efficiency NC- machining and CAM-milling applications. Center cutting design is perfectly suited for all kinds of slotting, pocketing and die sinking operations.



4 FLUTE END MILLS (H.S.S.)					
CUTTING DIA.	SHANK DIA.	FLUTE LENGTH	O.A.L.	ITEM NO.	PRICE EACH
1/8"	3/8"	3/8"	2-5/16"	F4	$7.28
3/16"	3/8"	1/2"	2-3/8"	F6	7.28
1/4"	3/8"	5/8"	2-7/16"	F8	7.28
5/16"	3/8"	3/4"	2-1/2"	F10	-----
3/8"	3/8"	3/4"	2-1/2'	F12	7.70
1/2"	1/2"	1-1/4"	3-1/4"	F16	11.20
5/8"	5/8"	1-5/8"	3-3/4"	F20	16.38
3/4"	3/4"	1-5/8"	3-7/8"	F24Y	18.90
1"	3/4"	1-7/8"	4-1/8"	F32W	44.52

Solid Carbide End Mills

Recommended for the high production milling of slots, pockets and plunge cuts in applications requiring extreme accuracy and closer tolerances. Carbide is very abrasion resistant, has higher hardness, greater rigidity for accurate milling and can better withstand elevated cutting temperatures compared to H.S.S. tool materials.

2 Flute, Single End, Center Cutting, R.H. Helix, R.H. Cut.

Designed with large, wide, open flutes that provide excellent chip flow. Recommended for machining non-ferrous materials such as aluminum, zinc, plastics, and other non-metallic compounds where rapid stock removal and chip packing could be a problem. The end teeth are cut to center allowing this tool to be plunged into the material being cut.

4 Flute, Single End, Center Cutting, R.H. Helix, R.H. Cut.

The spiral flute design is recommended for milling all types of cast iron and most non-ferrous materials. The 4 flute design reduces chip load per tooth and produces smooth finishes on the workpiece.

Ball nose tools have full radius end teeth that are center cutting.

2 Flute Square

2 Flute Ball

4 Flute Square

4 Flute Ball

SOLID CARBIDE END MILLS											
CUTTING DIA.	SHANK DIA.	FLUTE LENGTH	OVER ALL LENGTH	2 FLUTE SQUARE		2 FLUTE BALL		4 FLUTE SQUARE		4 FLUTE BALL	
				ITEM #	PRICE	ITEM #	PRICE	ITEM #	PRICE	ITEM #	PRICE
1/8"	1/8"	1/2"	1-1/2"	18SCEM2	$5.50	18SCEM2B	$6.88	18SCEM4	$5.50	18SCEM4B	$6.88
3/16"	3/16"	5/8"	2"	316SCEM2	9.90	316SCEM2B	11.34	316SCEM4	9.90	316SCEM4B	11.34
1/4"	1/4"	3/4"	2-1/2"	14SCEM2	13.00	14SCEM2B	16.08	14SCEM4	13.00	14SCEM4B	16.08
5/16"	5/16"	3/4"	2-1/2"	516SCEM2	17.90	516SCEM2B	21.88	516SCEM4	17.90	516SCEM4B	21.88
3/8"	3/8"	7/8"	2-1/2"	38SCEM2	21.90	38SCEM2B	27.38	38SCEM4	21.90	38SCEM4B	27.38
1/2"	1/2"	1"	3"	12SCEM2	33.90	12SCEM2B	42.38	12SCEM4	33.90	12SCEM4B	42.38
5/8"	5/8"	1-1/4"	3-1/2"	58SCEM2	69.90	58SCEM2B	78.54	58SCEM4	69.90	58SCEM4B	78.54
3/4"	3/4"	1-1/2"	4"	34SCEM2	99.90	34SCEM2B	118.74	34SCEM4	99.90	34SCEM4B	118.74

All Prices Subject To Change Without Notice. 12-6-2014