

HIGH SPEED STEEL

**MINIATURE 2 & 4 FLUTE SINGLE END MILLS**

ICS USA

GENERAL PURPOSE

CENTER CUTTING

Miniature Single End Mills are small diameter (5/64" to 3/16") milling tools with a common 3/16" shank to provide rigidity when doing small diameter cutting.

**2 Flute - Regular Length**

**4 Flute - Regular Length**



RIGHT HAND CUT  
RIGHT HAND HELIX



SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	PRICE EACH	
				HSS	TiN COATED
				MEM-2R	MEM-2T
5/64	3/16	1/4	1-1/8	7.98	11.34
3/32	3/16	5/16	1-1/8	7.98	11.34
7/64	3/16	11/32	1-5/16	7.98	11.34
1/8	3/16	3/8	1-5/16	7.98	11.34
9/64	3/16	13/32	1-7/16	7.98	11.34
5/32	3/16	7/16	1-7/16	7.98	11.34
11/64	3/16	15/32	1-11/16	7.98	11.34
3/16	3/16	1/2	1-11/16	7.98	11.34

SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	PRICE EACH	
				HSS	TiN COATED
				MEM-4R	MEM-4T
5/64	3/16	1/4	1-1/8	8.40	11.76
3/32	3/16	5/16	1-1/8	8.40	11.76
7/64	3/16	11/32	1-5/16	8.40	11.76
1/8	3/16	3/8	1-5/16	8.40	11.76
9/64	3/16	13/32	1-7/16	8.40	11.76
5/32	3/16	7/16	1-7/16	8.40	11.76
11/64	3/16	15/32	1-11/16	8.40	11.76
3/16	3/16	1/2	1-11/16	8.40	11.76

TOLERANCES  
Flute Dia.: +.000 -.0015"  
Shank Dia.: +.0005 -.0005"

TOLERANCES  
Flute Dia.: +.0003 -.000"  
Shank Dia.: +.0005 -.0005"

HIGH SPEED STEEL

**MINIATURE 2 FLUTE BALL NOSE END MILLS**

ICS USA

GENERAL PURPOSE

CENTER CUTTING

Miniature Single End Mills are small diameter (5/64" to 3/16") milling tools with a common 3/16" shank to provide rigidity when doing small diameter cutting.

**2 Flute - Regular Length (Single End)**

**4 Flute - Regular Length (Double End)**



RIGHT HAND CUT  
RIGHT HAND HELIX



SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	PRICE EACH	
				HSS	TiN COATED
				MEM-2B	MEM-2BT
5/64	3/16	1/4	1-1/8	15.56	18.92
3/32	3/16	5/16	1-1/8	15.56	18.92
7/64	3/16	11/32	1-5/16	15.56	18.92
1/8	3/16	3/8	1-5/16	15.56	18.92
9/64	3/16	13/32	1-7/16	15.56	18.92
5/32	3/16	7/16	1-7/16	15.56	18.92
11/64	3/16	15/32	1-11/16	15.56	18.92
3/16	3/16	1/2	1-11/16	15.56	18.92

SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	PRICE EACH	
				HSS	TiN COATED
				MDEM-4B	MDEM-4BT
1/32	3/16	3/32	2-1/4	27.98	32.64
3/64	3/16	9/64	2-1/4	26.76	31.42
1/16	3/16	3/16	2-1/4	24.34	29.00
5/64	3/16	15/64	2-1/4	25.54	30.20
3/32	3/16	9/32	2-1/4	24.34	29.00
7/64	3/16	21/64	2-1/4	25.54	30.20
1/8	3/16	3/8	2-1/4	24.34	29.00
9/64	3/16	13/32	2-1/4	25.54	30.20
5/32	3/16	7/16	2-1/4	24.34	29.00
11/64	3/16	1/2	2-1/4	25.54	30.20
3/16	3/16	1/2	2-1/4	24.34	29.00

TOLERANCES  
Flute Dia.: +.0003 -.000"  
Shank Dia.: +.0005 -.0005"