

PREMIUM (10% COBALT) MICROGRAIN CARBIDE

SOLID CARBIDE 3 FLUTE (TAPERED) END MILLS

ICS USA

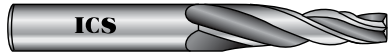
SPECIAL PURPOSE

NON-CENTER CUTTING

Solid Carbide Tapered End Mills are designed with a constant spiral to prevent chatter during use and to resist side thrusts and deflection. They are used primarily for milling die and mold cavities and are sometimes referred to as Taper Degree End Mills or Tapered Milling Cutters.

3 FLUTE - SINGLE END

3 FLUTE SINGLE END (BALL NOSE)



RIGHT HAND CUTTING



SHANK DIA.	TAPER ANGLE	FLUTE RADIUS	OVERALL LENGTH	PRICE EACH		
				SOLID CARBIDE	TIN COATED	
				SCTEM	SCTEMT	
1/4	1°	1/8	1-1/2	3	\$56.62	\$60.20
	1-1/2°	1/8	1-1/2	3	50.90	54.48
	2°	1/8	1-1/4	3	56.62	60.20
	3°	1/8	1	3	50.90	54.48
	5°	1/8	3/4	3	50.90	54.48
	7°	1/8	1/2	3	50.90	54.48
10°	3/32	1/2	3	56.62	60.20	
3/8	1°	3/16	1-3/4	3-1/2	77.76	83.36
	1-1/2°	3/16	1-3/4	3-1/2	77.76	83.36
	2°	3/16	1-3/4	3-1/2	77.76	83.36
	3°	5/32	1-3/4	3-1/2	77.76	83.36
	5°	1/8	1-1/2	3-1/2	77.76	83.36
	7°	1/8	1	3-1/2	77.76	83.36
10°	1/8	3/4	3-1/2	77.76	83.36	
1/2	1°	1/4	2	4	118.14	127.22
	2°	1/4	2	4	118.14	127.22
	3°	1/4	2	4	118.14	127.22
	5°	1/4	1-1/4	4	118.14	127.22
	7°	3/16	1-1/4	4	118.14	127.22
	10°	1/8	1	4	118.14	127.22

SHANK DIA.	TAPER ANGLE	FLUTE RADIUS	OVERALL LENGTH	PRICE EACH		
				SOLID CARBIDE	TIN COATED	
				SCTEMB	SCTEMBT	
1/4	1°	.062	1-1/2	3	\$ 62.90	\$ 66.50
	1-1/2°	.062	1-1/2	3	56.54	60.14
	2°	.062	1-1/4	3	60.20	66.50
	3°	.062	1	3	56.40	60.14
	5°	.062	3/4	3	56.40	60.14
	7°	.062	1/2	3	56.40	60.14
10°	.047	1/2	3	62.90	66.50	
3/8	1°	.093	1-3/4	3-1/2	86.42	92.02
	1-1/2°	.093	1-3/4	3-1/2	86.42	92.02
	2°	.093	1-3/4	3-1/2	86.42	92.02
	3°	.078	1-3/4	3-1/2	86.42	92.02
	5°	.062	1-1/2	3-1/2	86.42	92.02
	7°	.062	1	3-1/2	86.42	92.02
10°	.062	3/4	3-1/2	86.42	92.02	
1/2	1°	.125	2	4	131.28	140.34
	2°	.125	2	4	131.28	140.34
	3°	.125	2	4	131.28	140.34
	5°	.125	1-1/4	4	131.28	140.34
	7°	.093	1-1/4	4	131.28	140.34
	10°	.062	1	4	131.28	140.34

TOLERANCES

Flute Dia.: - .001 - .002"
Shank Dia.: - .0001 - .0004"