

PREMIUM (10% COBALT) MICROGRAIN CARBIDE
SOLID CARBIDE 4 FLUTE (METRIC) END MILLS

ICS

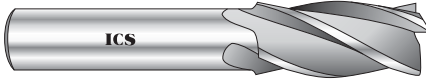
USA

HEAVY DUTY

CENTER CUTTING

Micro-Grain Solid Carbide End Mills were developed for machining tough work hardening metals, stainless steel, titanium, monel, inconel, and super alloys. It is extremely shock resistant.

4 FLUTE SINGLE END



4 FLUTE SINGLE END (BALL NOSE)



SIZE (mm)	SHANK DIA. (mm)	FLUTE LENGTH (mm)	OVERALL LENGTH (mm)	PRICE EACH	
				SOLID CARBIDE SCEMM-4R	TIN COATED SCEMM-4T
1.0	3.0	4.0	38.0	\$16.58	\$18.82
1.5	3.0	4.5	38.0	16.58	18.82
2.0	3.0	6.3	38.0	16.58	18.82
2.5	3.0	9.5	38.0	16.58	18.82
3.0	3.0	12.0	38.0	15.80	18.04
3.5	4.0	12.0	50.0	21.76	24.00
4.0	4.0	14.0	50.0	21.76	24.00
4.5	6.0	16.0	50.0	27.36	30.50
5.0	6.0	16.0	50.0	27.36	30.50
6.0	6.0	19.0	50.0	28.66	31.80
7.0	8.0	19.0	63.0	31.10	36.02
8.0	8.0	20.0	63.0	32.36	37.28
9.0	10.0	22.0	75.0	48.32	57.28
10.0	10.0	22.0	75.0	60.18	69.14
11.0	12.0	25.0	75.0	66.26	75.22
12.0	12.0	25.0	75.0	69.88	78.84
14.0	14.0	32.0	89.0	118.56	129.76
16.0	16.0	32.0	89.0	132.66	147.22
18.0	18.0	38.0	100.0	195.80	210.36
20.0	20.0	38.0	100.0	282.10	298.10
25.0	25.0	38.0	100.0	369.32	385.34

SIZE (mm)	SHANK DIA. (mm)	FLUTE LENGTH (mm)	OVERALL LENGTH (mm)	PRICE EACH	
				SOLID CARBIDE SCEMM-4B	TIN COATED SCEMM-4BT
1.0	3.0	4.0	38.0	\$20.88	\$23.12
1.5	3.0	4.5	38.0	20.88	23.12
2.0	3.0	6.3	38.0	20.88	23.12
2.5	3.0	9.5	38.0	20.88	23.12
3.0	3.0	12.0	38.0	18.98	21.22
3.5	4.0	12.0	50.0	26.10	28.34
4.0	4.0	14.0	50.0	26.10	28.34
4.5	6.0	16.0	50.0	32.90	36.02
5.0	6.0	16.0	50.0	32.90	36.02
6.0	6.0	19.0	50.0	34.42	37.56
7.0	8.0	19.0	63.0	37.32	42.26
8.0	8.0	20.0	63.0	38.78	43.72
9.0	10.0	22.0	75.0	57.96	66.92
10.0	10.0	22.0	75.0	72.22	81.18
11.0	12.0	25.0	75.0	79.58	88.54
12.0	12.0	25.0	75.0	83.92	92.88
14.0	14.0	32.0	89.0	142.22	153.42
16.0	16.0	32.0	89.0	159.18	173.74
18.0	18.0	38.0	100.0	235.00	249.56
20.0	20.0	38.0	100.0	338.52	354.54
25.0	25.0	38.0	100.0	443.22	459.24

4 FLUTE DOUBLE END (STUB)



4 FLUTE DOUBLE END (STUB-BALL END)



SIZE (mm)	SHANK DIA. (mm)	FLUTE LENGTH (mm)	OVERALL LENGTH (mm)	PRICE EACH	
				SOLID CARBIDE SCDEMM-4S	TIN COATED SCDEMM-4ST
1.0	3.0	2.0	38.0	\$24.54	\$27.34
1.5	3.0	3.0	38.0	24.54	27.34
2.0	3.0	4.0	38.0	20.58	23.38
2.5	3.0	5.0	38.0	20.58	23.38
3.0	3.0	6.0	38.0	19.20	22.00
3.5	4.0	7.0	50.0	27.36	30.08
4.0	4.0	8.0	50.0	27.36	30.38
4.5	4.5	9.5	63.0	31.62	36.32
5.0	5.0	10.0	63.0	31.62	37.22
6.0	6.0	12.0	63.0	35.88	41.48
7.0	8.0	12.0	63.0	42.60	49.98
8.0	8.0	12.0	63.0	49.28	56.68
9.0	9.0	14.0	75.0	61.90	69.32
10.0	10.0	14.0	75.0	74.58	88.02
11.0	12.0	14.0	75.0	82.12	95.56
12.0	12.0	16.0	75.0	89.58	103.02

SIZE (mm)	SHANK DIA. (mm)	FLUTE LENGTH (mm)	OVERALL LENGTH (mm)	PRICE EACH	
				SOLID CARBIDE SCDEMM-4SB	TIN COATED SCDEMM-4SBT
1.0	3.0	2.0	38.0	\$29.48	29.48
1.5	3.0	3.0	38.0	29.48	29.48
2.0	3.0	4.0	38.0	24.76	24.76
2.5	3.0	5.0	38.0	24.76	24.76
3.0	3.0	6.0	38.0	23.08	23.08
3.5	4.0	7.0	50.0	32.92	32.92
4.0	4.0	8.0	50.0	32.92	32.92
4.5	4.5	9.5	63.0	37.94	37.94
5.0	5.0	10.0	63.0	37.94	37.94
6.0	6.0	12.0	63.0	43.04	43.04
7.0	8.0	12.0	63.0	51.10	51.10
8.0	8.0	12.0	63.0	59.20	59.20
9.0	9.0	14.0	75.0	74.36	74.36
10.0	10.0	14.0	75.0	89.50	89.50
11.0	12.0	14.0	75.0	98.56	98.56
12.0	12.0	16.0	75.0	107.56	107.56

CALL FOR PRICE

TOLERANCES

Flute Dia.: + .000 - .005"
 Shank Dia.: + .000 - .001"