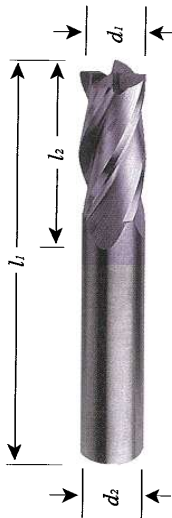


"IMCO" SOLID CARBIDE CUTTING TOOLS - USA

NO. S 97-1 "IMCO" SOLID CARBIDE END MILLS 4 FLUTE SQUARE END, METRIC SIZE

30° RH Helix



Manufactured from micrograin carbide with 10% cobalt. The 4-flute design increases core thickness and tool strength which reduces tool deflection and increases size accuracy. The reduced chip load provides improved surface finishes. Recommended for use on cast iron, tool steel, stainless steel & PH Series.

Item No.	Code No.	d_1 Cutter Dia. (mm)	d_2 Shank Dia. (mm)	l_2 Flute Length (mm)	l_1 Overall Length (mm)	Price (pc)
097-01-010	31471	1.0	3.0	3.0	38	
097-01-020	31473	2.0	3.0	6.3	38	
097-01-025	31474	2.5	3.0	9.5	38	
097-01-030	31475	3.0	3.0	12.0	38	
097-01-030XL	30040	3.0	3.0	25.0	75	
097-01-040	31477	4.0	4.0	14.0	50	
097-01-040XL	30043	4.0	4.0	31.0	75	
097-01-045	31478	4.5	5.0	16.0	50	
097-01-050	31479	5.0	5.0	16.0	50	
097-01-050XL	30135	5.0	5.0	31.0	100	
097-01-060	31480	6.0	6.0	19.0	63	
097-01-060XL	30137	6.0	6.0	38.0	100	
097-01-070	31481	7.0	8.0	19.0	63	
097-01-080	31482	8.0	8.0	20.0	63	
097-01-080XL	30138	8.0	8.0	41.0	100	
097-01-090	31483	9.0	10.0	22.0	72	
097-01-100	31484	10.0	10.0	25.0	72	
097-01-100XL	30055	10.0	10.0	45.0	100	
097-01-120	31485	12.0	12.0	25.0	76	
097-01-120XL	30061	12.0	12.0	75.0	150	
097-01-140XL	30064	14.0	14.0	75.0	150	
097-01-160XL	30067	16.0	16.0	75.0	150	



Slotting
(Square)



Side Milling
(Side Face)

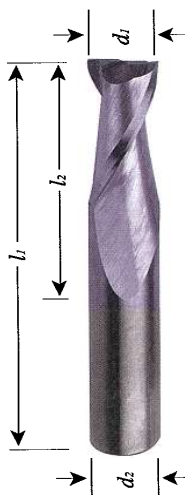


Side Milling
(Shoulder)



Pocket
Cavity

30° RH Helix



NO. S 97-2 "IMCO" SOLID CARBIDE END MILLS 2 FLUTE SQUARE END, METRIC SIZE

Manufactured from micrograin carbide with 10% cobalt. The 2-flute design gives more flute volume which reduces flute packing at higher feed rates. Recommended for milling cast iron, non-ferrous metals, low alloyed steels, plastics and other easily machined materials.

Item No.	Code No.	d_1 Cutter Dia. (mm)	d_2 Shank Dia. (mm)	l_2 Flute Length (mm)	l_1 Overall Length (mm)	Price (pc)
097-02-020	31433	2.0	3.0	6.3	38	
097-02-025	31434	2.5	3.0	9.5	38	
097-02-030	31435	3.0	3.0	12.0	38	
097-02-035	31436	3.5	4.0	14.0	50	
097-02-040	31437	4.0	4.0	14.0	50	
097-02-045	31438	4.5	5.0	16.0	50	
097-02-050	31439	5.0	5.0	16.0	50	
097-02-060	31440	6.0	6.0	19.0	63	
097-02-070	31441	7.0	8.0	19.0	63	
097-02-080	31442	8.0	8.0	20.0	63	
097-02-090	31443	9.0	10.0	22.0	72	
097-02-100	31444	10.0	10.0	25.0	72	
097-02-120	31445	12.0	12.0	25.0	76	
097-02-140	34443	14.0	14.0	32.0	83	
097-02-160	31447	16.0	16.0	32.0	89	



Slotting
(Square)



Side Milling
(Side Face)



Side Milling
(Shoulder)



Pocket
Cavity