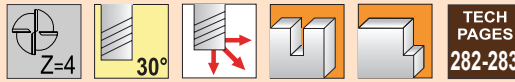


TOLERANCES

d_1	+0.000° -0.002° (+.000 -0.050mm)
d_2	h6

Series 430MA, 450MA



GENERAL PURPOSE
END MILLS

Standard Length - Double End

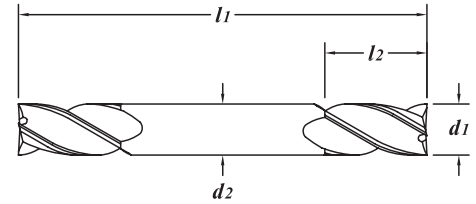
TiALN Coating

Solid submicron grain carbide end mill - center cutting

Dry or semi-dry machining

Extremely versatile

Uncoated - page 254



(430MA/450MA) EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
	Decimal	Metric								
30017	.0312	1/32"	0.792	1/8"	2"	3/32"	27.92	26.71	25.49	24.28
30027	.0469	3/64"	1.191	1/8"	2"	1/8"	27.92	26.71	25.49	24.28
30037	.0625	1/16"	1.588	1/8"	2"	3/16"	27.92	26.71	25.49	24.28
30047	.0938	3/32"	2.383	1/8"	2"	1/4"	27.92	26.71	25.49	24.28
30057	.1250	1/8"	3.175	1/8"	2"	3/8"	21.30	20.37	19.45	18.52
30067	.1562	5/32"	3.967	3/16"	2-1/2"	7/16"	30.94	29.59	28.25	26.90
30077	.1875	3/16"	4.763	3/16"	2-1/2"	1/2"	26.93	25.76	24.59	23.42
30087	.2188	7/32"	5.558	1/4"	2-1/2"	9/16"	35.80	34.24	32.69	31.13
30607	.2362		6.000	6.0	65	16	34.65	33.14	31.64	30.13
30097	.2500	1/4"	6.350	1/4"	2-1/2"	5/8"	33.37	31.92	30.47	29.02
30107	.3125	5/16"	7.938	5/16"	3-1/2"	3/4"	48.50	46.39	44.28	42.17
30117	.3750	3/8"	9.525	3/8"	3-1/2"	3/4"	58.04	55.52	52.99	50.47
30127	.4375	7/16"	11.113	7/16"	4"	7/8"	78.30	74.90	71.49	68.09
30137	.5000	1/2"	12.700	1/2"	4"	1"	85.71	81.98	78.26	74.53

70

35

MATERIAL HARDNESS (Rc)

0