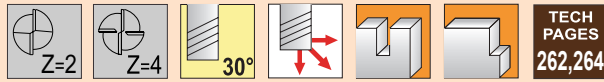


Series 425M, 435M, 425MA, 435MA

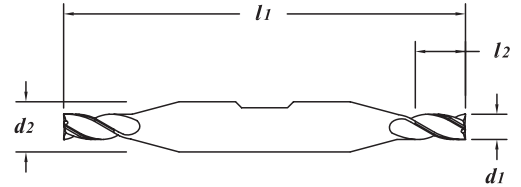
TOLERANCES

d_1	+0.000" - .002" (+.000 - .050mm)
d_2	h6

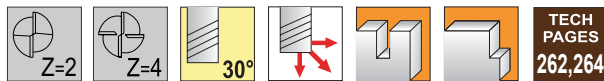


Standard Length - Double End - 3/8" Shank

Solid submicron grain carbide end mill - center cutting
 Common 3/8" diameter shank with weldon flat
 For strength and adaptability when converting from high speed steel

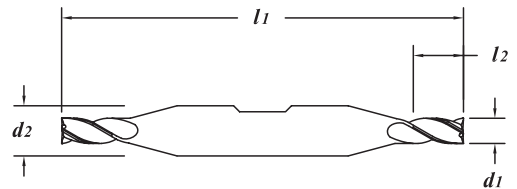


(425M) 2 Flute EDP#	(435M) 4 Flute EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
		Decimal	Metric								
33010	34010	.1250	1/8"	3.175	3/8"	3"	3/8"	36.13	34.56	32.99	31.42
33020	34020	.1562	5/32"	3.967	3/8"	3"	7/16"	36.13	34.56	32.99	31.42
33030	34030	.1875	3/16"	4.763	3/8"	3"	1/2"	36.13	34.56	32.99	31.42
33040	34040	.2188	7/32"	5.558	3/8"	3"	9/16"	36.13	34.56	32.99	31.42
33050	34050	.2500	1/4"	6.350	3/8"	3"	5/8"	36.13	34.56	32.99	31.42
33060	34060	.2812	9/32"	7.142	3/8"	4"	11/16"	41.52	39.71	37.91	36.10
33070	34070	.3125	5/16"	7.938	3/8"	4"	3/4"	41.52	39.71	37.91	36.10
33080	34080	.3438	11/32"	8.733	3/8"	4"	3/4"	41.52	39.71	37.91	36.10
33090	34090	.3750	3/8"	9.525	3/8"	4"	3/4"	41.52	39.71	37.91	36.10



Standard Length - Double End - 3/8" Shank
 TiALN Coated

Solid submicron grain carbide end mill - center cutting
 Common 3/8" diameter shank with weldon flat
 For strength and adaptability when converting from high speed steel
 Dry or semi-dry machining



(425MA) 2 Flute EDP#	(435MA) 4 Flute 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								
33017	34017	.1250	1/8"	3.175	3/8"	3"	3/8"	47.55	45.49	43.42	41.35
33027	34027	.1562	5/32"	3.967	3/8"	3"	7/16"	47.55	45.49	43.42	41.35
33037	34037	.1875	3/16"	4.763	3/8"	3"	1/2"	47.55	45.49	43.42	41.35
33047	34047	.2188	7/32"	5.558	3/8"	3"	9/16"	47.55	45.49	43.42	41.35
33057	34057	.2500	1/4"	6.350	3/8"	3"	5/8"	47.55	45.49	43.42	41.35
33067	34067	.2812	9/32"	7.142	3/8"	4"	11/16"	56.01	53.57	51.14	48.70
33077	34077	.3125	5/16"	7.938	3/8"	4"	3/4"	56.01	53.57	51.14	48.70
33087	34087	.3438	11/32"	8.733	3/8"	4"	3/4"	56.01	53.57	51.14	48.70
33097	34097	.3750	3/8"	9.525	3/8"	4"	3/4"	56.01	53.57	51.14	48.70

MATERIAL HARDNESS (Rc) 70 35 0