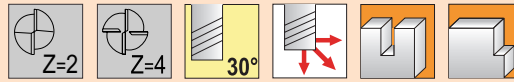


**TOLERANCES**

$d1$	$\leq .030"$	$+0.000" - .001"$ (+.000 - .025mm)
	$\geq 1/32"$	$+0.000" - .002"$ (+.000 - .050mm)
$d2$	h6	



**Series 160M, 170M, 860M, 870M**

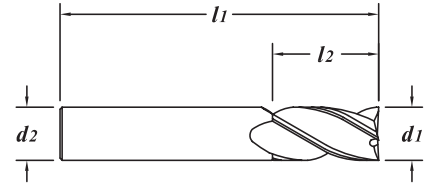
TECH PAGES  
290-291

.0200" - .2362"  
(0.508mm - 6.000mm)

GENERAL PURPOSE  
END MILLS

**Stub Length - Square End**

- Solid submicron grain carbide end mill - center cutting
- Shorter flute length for rigidity
- Extremely versatile
- TiALN Coated - page 221
- Standard Length - page 228
- Extended length - page 248



(160M/860M) 2 Flute EDP#	(170M/870M) 4 Flute EDP#	$d1$ † Diameter		$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length	LIST PRICE	
		Decimal	Metric					
01350	-	.0200	.0200"	0.508	1/8"	1-1/2"	.030"	17.44
01360	-	.0210	.0210"	0.533	1/8"	1-1/2"	.032"	17.44
01370	-	.0220	.0220"	0.559	1/8"	1-1/2"	.033"	17.23
01380	-	.0230	.0230"	0.584	1/8"	1-1/2"	.035"	17.23
01390	-	.0240	.0240"	0.610	1/8"	1-1/2"	.036"	17.23
01400	-	.0250	.0250"	0.635	1/8"	1-1/2"	.038"	16.25
01410	-	.0260	.0260"	0.660	1/8"	1-1/2"	.039"	16.25
01420	-	.0270	.0270"	0.686	1/8"	1-1/2"	.041"	14.57
01430	-	.0280	.0280"	0.711	1/8"	1-1/2"	.042"	14.57
01440	-	.0290	.0290"	0.737	1/8"	1-1/2"	.044"	14.57
01450	-	.0300	.0300"	0.762	1/8"	1-1/2"	.045"	14.57
01010	02010	.0312	1/32"	0.792	1/8"	1-1/2"	1/16"	10.61
01510	02510	.0394		1.000	3.0	38	2	11.14
01020	02020	.0469	3/64"	1.191	1/8"	1-1/2"	3/32"	10.61
01520	02520	.0591		1.500	3.0	38	3	11.14
01030	02030	.0625	1/16"	1.588	1/8"	1-1/2"	1/8"	8.41
01530	02530	.0787		2.000	3.0	38	4	8.85
01040	02040	.0938	3/32"	2.383	1/8"	1-1/2"	3/16"	7.96
01540	02540	.0984		2.500	3.0	38	5	8.38
01550	02550	.1181		3.000	3.0	38	6	8.18
01050	02050	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	7.75
01560	02560	.1378		3.500	4.0	50	7	11.43
01060	02060	.1562	5/32"	3.967	3/16"	2"	5/16"	10.88
01570	02570	.1575		4.000	4.0	50	8	10.81
01580	02580	.1772		4.500	5.0	50	9.5	14.36
01070	02070	.1875	3/16"	4.763	3/16"	2"	3/8"	10.29
01590	02590	.1969		5.000	5.0	50	10	13.39
01080	02080	.2188	7/32"	5.558	1/4"	2"	7/16"	13.65
01600	02600	.2362		6.000	6.0	50	12	14.18

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MATERIAL HARDNESS (Rc)

0

continued →

Series 160M, 170M, 860M, 870M (continued)

.2500" - 1.000"  
(6.350mm - 25.400mm)

(160M/860M) 2 Flute EDP#	(170M/870M) 4 Flute EDP#	$d1$ † Diameter		$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length	LIST PRICE
		Decimal	Metric				
01090	02090	.2500	1/4"	6.350	1/4"	2"	13.45
01610	02610	.2756		7.000	7.0	50	18.43
01100	02100	.3125	5/16"	7.938	5/16"	2"	18.41
01620	02620	.3150		8.000	8.0	50	19.35
01630	02630	.3543		9.000	9.0	50	23.90
01110	02110	.3750	3/8"	9.525	3/8"	2"	22.74
01640	02640	.3937		10.000	10.0	50	26.42
01650	02650	.4331		11.000	11.0	65	30.88
01120	02120	.4375	7/16"	11.113	7/16"	2-1/2"	28.11
01660	02660	.4724		12.000	12.0	65	39.46
01130	02130	.5000	1/2"	12.700	1/2"	2-1/2"	37.50
01140	02140	.6250	5/8"	15.875	5/8"	3"	71.67
-	02670	.6299		16.000	16.0	75	75.43
01150	02150	.7500	3/4"	19.050	3/4"	3"	103.08
-	02680	.7874		20.000	20.0	75	139.79
-	02160	1.000	1"	25.400	1"	3"	177.38



Micro Tool Manufacturing

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MATERIAL HARDNESS (Rc)