

160M (860M metric) / z = 2
170M (870M metric) / z = 4

.0050" - .0787"
 (0,13mm - 2,00mm)

Technical information:
 page 200, 202



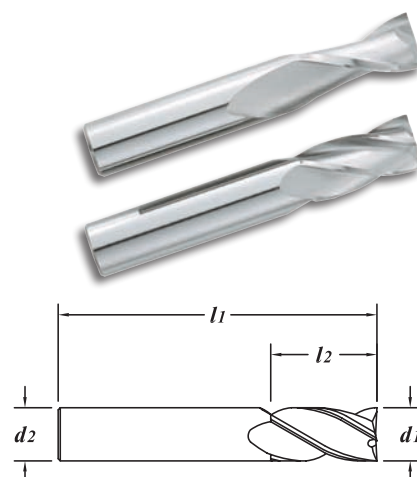
TOLERANCES

d_1	$\leq .030"$	+0,0100 -0,0100mm (+.0004" -.0004")
	$\geq 1/32"$	+0,000 -0,050mm (+.000" -.002")
d_2	3mm - 6mm	-0,0000 -0,0075mm (-.0000" -.0003")
	1/4" - 1"	-0,0025 -0,0100mm (-.0001" -.0004")

Stub Length
Kurze Länge
Longitud Corta
Longueur Courte
Serie Corta
短柱长度



Solid submicron grain carbide end mill - center cutting
 Shorter flute length for rigidity
 Extremely versatile
 TiALN Coated - page 124



Vollhartmetallfräser aus Feinkornhartmetall - Zentrumschnitt
 Kürzere Spannuten für höhere Stabilität
 Extrem Vielseitig
 TiALN-Beschichtet - Seite 124



Fresa de submicrograno sólido carburo - corte centrado
 Longitud de ranura más corta para proporcionar mayor rigidez
 Extremadamente versátil
 Recubrimiento de TiALN - Página 124



Fraises carbure submicrograin - coupe au centre
 Longueur de coupe courte pour plus de rigidité
 Utilisations variables
 Revêtement TiALN - Page 124



Super sub-micrograno metallo duro - taglio al centro
 Tagliente più corto per maggiore rigidità
 Estremamente versatile
 Rivestimento in TiALN - Pagina 124



超细晶粒整体硬质合金立铣刀 - 中心切削
 为了增加刚性应缩短出屑槽长度
 功能极多
 TiALN 涂层 - 124页

z = 2 EDP#	z = 4 EDP#	d_1 † Diameter			d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length
		Decimal		Metric			
01200	-	.0050	.0050"	0,13	1/8"	1-1/2"	.008"
01210	-	.0060	.0060"	0,15	1/8"	1-1/2"	.009"
01220	-	.0070	.0070"	0,18	1/8"	1-1/2"	.011"
01230	-	.0080	.0080"	0,20	1/8"	1-1/2"	.012"
01240	-	.0090	.0090"	0,23	1/8"	1-1/2"	.014"
01250	-	.0100	.0100"	0,25	1/8"	1-1/2"	.015"
01260	-	.0110	.0110"	0,28	1/8"	1-1/2"	.017"
01270	-	.0120	.0120"	0,30	1/8"	1-1/2"	.018"
01280	-	.0130	.0130"	0,33	1/8"	1-1/2"	.020"
01290	-	.0140	.0140"	0,36	1/8"	1-1/2"	.021"
01300	-	.0150	.0150"	0,38	1/8"	1-1/2"	.023"
01310	-	.0160	.0160"	0,41	1/8"	1-1/2"	.024"
01320	-	.0170	.0170"	0,43	1/8"	1-1/2"	.026"
01330	-	.0180	.0180"	0,46	1/8"	1-1/2"	.027"
01340	-	.0190	.0190"	0,48	1/8"	1-1/2"	.029"
01350	-	.0200	.0200"	0,51	1/8"	1-1/2"	.030"
01360	-	.0210	.0210"	0,53	1/8"	1-1/2"	.032"
01370	-	.0220	.0220"	0,56	1/8"	1-1/2"	.033"
01380	-	.0230	.0230"	0,58	1/8"	1-1/2"	.035"
01390	-	.0240	.0240"	0,61	1/8"	1-1/2"	.036"
01400	-	.0250	.0250"	0,64	1/8"	1-1/2"	.038"
01410	-	.0260	.0260"	0,66	1/8"	1-1/2"	.039"
01420	-	.0270	.0270"	0,69	1/8"	1-1/2"	.041"
01430	-	.0280	.0280"	0,71	1/8"	1-1/2"	.042"
01440	-	.0290	.0290"	0,74	1/8"	1-1/2"	.044"
01450	-	.0300	.0300"	0,76	1/8"	1-1/2"	.045"
01010	02010	.0312	1/32"	0,79	1/8"	1-1/2"	1/16"
01510	02510	.0394		1,00	3,0	38	2
01020	02020	.0469	3/64"	1,19	1/8"	1-1/2"	3/32"
01520	02520	.0591		1,50	3,0	38	3
01030	02030	.0625	1/16"	1,59	1/8"	1-1/2"	1/8"
01530	02530	.0787		2,00	3,0	38	4

160M (860M metric) / z = 2 (continued)
170M (870M metric) / z = 4 (continued)

.0938" - 1.000"
(2,38mm - 25,40mm)

z = 2 EDP#	z = 4 EDP#	$d1^{\dagger}$ Diameter		$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length
		Decimal	Metric			
01040	02040	.0938	3/32"	2,38	1/8"	1-1/2"
01540	02540	.0984		2,50	3,0	38
01550	02550	.1181		3,00	3,0	38
01050	02050	.1250	1/8"	3,17	1/8"	1-1/2"
01560	02560	.1378		3,50	4,0	50
01060	02060	.1562	5/32"	3,97	3/16"	2"
01570	02570	.1575		4,00	4,0	50
01580	02580	.1772		4,50	5,0	50
01070	02070	.1875	3/16"	4,76	3/16"	2"
01590	02590	.1969		5,00	5,0	50
01080	02080	.2188	7/32"	5,56	1/4"	2"
01600	02600	.2362		6,00	6,0	50
01090	02090	.2500	1/4"	6,35	1/4"	2"
01610	02610	.2756		7,00	7,0	50
01100	02100	.3125	5/16"	7,94	5/16"	2"
01620	02620	.3150		8,00	8,0	50
01630	02630	.3543		9,00	9,0	50
01110	02110	.3750	3/8"	9,52	3/8"	2"
01640	02640	.3937		10,00	10,0	50
01650	02650	.4331		11,00	11,0	65
01120	02120	.4375	7/16"	11,11	7/16"	2-1/2"
01660	02660	.4724		12,00	12,0	65
01130	02130	.5000	1/2"	12,70	1/2"	2-1/2"
01140	02140	.6250	5/8"	15,87	5/8"	3"
01670	02670	.6299		16,00	16,0	75
01150	02150	.7500	3/4"	19,05	3/4"	3"
01680	02680	.7874		20,00	20,0	75
-	02690	.9843		25,00	25,0	75
-	02160	1.000	1"	25,40	1"	3"