

720M (740M metric) / z = 2
723M (743M metric) / z = 3
730M (750M metric) / z = 4
 .1181" - .3150"
 (3,00mm - 8,00mm)

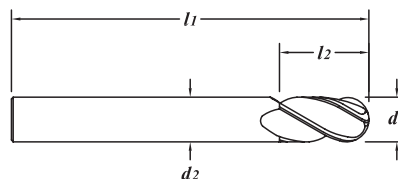
Technical information:
 page 200, 202



TOLERANCES

d_1	+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")
Ball radius	+0,000 -0,025mm (+.000" -.001")

Extra Length - Ball End
Extra Lang - Vollradius
Longitud Extra - Cabeza Esférica
Extra Longue - Hemispherique
Lunghezza Extra - Sferica
超长 - 球头



Solid submicron grain carbide end mill - center cutting
 Extended reach
 Can be modified with a neck within 48 hours
 Extremely versatile
 TiCN Coated - page 174
 TiALN Coated - page 175



Vollhartmetallfräser aus Feinkornhartmetall - Zentrumschnitt
 Erweiterte Reichweite
 Kann innerhalb 48 Stunden am Schaft verjüngt werden
 Extrem Vielseitig
 Radius Toleranz: +0,000 / -0,025 (+.000" -.001")
 TiCN-Beschichtet - Seite 174
 TiALN-Beschichtet - Seite 175



Fresa de submicrongrano sólido carburo - corte centrado
 Mayor alcance
 Puede ser modificado con un cuello en 48 horas
 Extremadamente versátil
 Tolerancia de la cabeza esférica +0,000 / -0,025 (+.000" -.001")
 Recubrimiento de TiCN - Página 174
 Recubrimiento de TiALN - Página 175



Fraises carbure submicrograin - coupe au centre
 Extension supplémentaire
 Peut être modifier avec un col de degage sous un délai de 48 heures
 Utilisations variables
 Tolerance du rayon de hemispherique +0,000 / -0,025 (+.000" -.001")
 Revêtement TiCN - Page 174
 Revêtement TiALN - Page 175



Super sub-micrograno metallo duro - taglio al centro
 Estensione più grande
 Può essere modificata in 48 ore
 Estremamente versatile
 Tolleranza del raggio +0,000 / -0,025 (+.000" -.001")
 Rivestimento in TiCN - Pagina 174
 Rivestimento in TiALN - Pagina 175



超细晶粒整体硬质合金立铣刀 - 中心切削
 加长
 可以在48小时内用轴颈进行修正
 功能极多
 半径允差 +0,000 / -0,025 (+.000" -.001")
 TiCN 涂层 - 174页
 TiALN 涂层 - 175页

z = 2 EDP#	z = 3 EDP#	z = 4 EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	
			Decimal	Metric				
97010	98010	99010	.1181	3,00	3,0	50	16	
97020	98020	99020	.1181	3,00	3,0	75	20	
97030	98030	99030	.1181	3,00	3,0	75	25	
43010	55510	44010	.1250	1/8"	3,17	1/8"	2"	5/8"
43020	55520	44020	.1250	1/8"	3,17	1/8"	3"	3/4"
43030	55530	44030	.1250	1/8"	3,17	1/8"	3"	1"
97040	98040	99040	.1575	4,00	4,0	50	16	
97050	98050	99050	.1575	4,00	4,0	75	20	
97060	98060	99060	.1575	4,00	4,0	75	25	
43040	55540	44040	.1875	3/16"	4,76	3/16"	3"	1"
43050	55550	44050	.1875	3/16"	4,76	3/16"	3"	1-1/8"
43060	55560	44060	.1875	3/16"	4,76	3/16"	4"	1"
97070	98070	99070	.1969	5,00	5,0	50	16	
97080	98080	99080	.1969	5,00	5,0	75	20	
97090	98090	99090	.1969	5,00	5,0	75	25	
97100	98100	99100	.2362	6,00	6,0	75	25	
97110	98110	99110	.2362	6,00	6,0	100	25	
97120	98120	99120	.2362	6,00	6,0	100	32	
97130	98130	99130	.2362	6,00	6,0	150	38	
43070	55570	44070	.2500	1/4"	6,35	1/4"	3"	1"
43080	55580	44080	.2500	1/4"	6,35	1/4"	4"	1"
43090	55590	44090	.2500	1/4"	6,35	1/4"	4"	1-1/2"
43100	55600	44100	.2500	1/4"	6,35	1/4"	6"	1-1/2"
43110	55610	44110	.3125	5/16"	7,94	5/16"	3"	1"
43120	55620	44120	.3125	5/16"	7,94	5/16"	4"	1"
43130	55630	44130	.3125	5/16"	7,94	5/16"	4"	1-5/8"
43140	55640	44140	.3125	5/16"	7,94	5/16"	6"	1-1/2"
97140	98140	99140	.3150	8,00	8,0	75	25	
97150	98150	99150	.3150	8,00	8,0	100	25	
97160	98160	99160	.3150	8,00	8,0	100	41	
97170	98170	99170	.3150	8,00	8,0	150	50	

720M (740M metric) / z = 2 (continued)

723M (743M metric) / z = 3 (continued)

730M (750M metric) / z = 4 (continued)

.3750" - 1.000"
(9,52mm - 25,40mm)

z = 2 EDP#	z = 3 EDP#	z = 4 EDP#	d_1 †			d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length
			Decimal	Diameter	Metric			
43150	55650	44150	.3750	3/8"	9,52	3/8"	3"	1"
43160	55660	44160	.3750	3/8"	9,52	3/8"	4"	1"
43170	55670	44170	.3750	3/8"	9,52	3/8"	4"	2"
43180	55680	44180	.3750	3/8"	9,52	3/8"	6"	1-1/2"
43190	55690	44190	.3750	3/8"	9,52	3/8"	6"	3"
97180	98180	99180	.3937		10,00	10,0	75	25
97190	98190	99190	.3937		10,00	10,0	100	25
97200	98200	99200	.3937		10,00	10,0	100	50
97210	98210	99210	.3937		10,00	10,0	150	38
97220	98220	99220	.3937		10,00	10,0	150	75
43200	55700	44200	.4375	7/16"	11,11	7/16"	4"	1"
43210	55710	44210	.4375	7/16"	11,11	7/16"	4"	2"
43220	55720	44220	.4375	7/16"	11,11	7/16"	6"	1-1/2"
43230	55730	44230	.4375	7/16"	11,11	7/16"	6"	3"
97230	98230	99230	.4724		12,00	12,0	100	25
97240	98240	99240	.4724		12,00	12,0	100	50
97250	98250	99250	.4724		12,00	12,0	150	50
97260	98260	99260	.4724		12,00	12,0	150	75
43240	55740	44240	.5000	1/2"	12,70	1/2"	4"	1"
43250	55750	44250	.5000	1/2"	12,70	1/2"	4"	2"
43260	55760	44260	.5000	1/2"	12,70	1/2"	6"	1-1/2"
43270	55770	44270	.5000	1/2"	12,70	1/2"	6"	3"
97270	98270	99270	.5512		14,00	14,0	100	25
97280	98280	99280	.5512		14,00	14,0	100	50
97290	98290	99290	.5512		14,00	14,0	150	50
97300	98300	99300	.5512		14,00	14,0	150	75
43280	55780	44280	.5625	9/16"	14,29	9/16"	6"	2"
43290	55790	44290	.5625	9/16"	14,29	9/16"	6"	3"
43300	55800	44300	.6250	5/8"	15,87	5/8"	6"	2"
43310	55810	44310	.6250	5/8"	15,87	5/8"	6"	3"
97310	98310	99310	.6299		16,00	16,0	150	50
97320	98320	99320	.6299		16,00	16,0	150	75
97330	98330	99330	.7087		18,00	18,0	150	50
97340	98340	99340	.7087		18,00	18,0	150	75
43320	55820	44320	.7500	3/4"	19,05	3/4"	6"	2"
43330	55830	44330	.7500	3/4"	19,05	3/4"	6"	3"
97350	98350	99350	.7874		20,00	20,0	150	50
97360	98360	99360	.7874		20,00	20,0	150	75
97370	98370	99370	.9843		25,00	25,0	150	50
97380	98380	99380	.9843		25,00	25,0	150	75
43340	55840	44340	1.000	1"	25,40	1"	6"	2"
43350	55850	44350	1.000	1"	25,40	1"	6"	3"