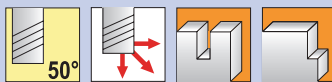
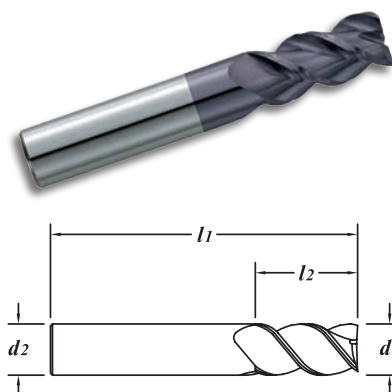


.1181" - .6250"
(3,00mm - 15,87mm)

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")

Balinit® X.CEED Coated
Balinit® X.CEED-Beschichtet
Recubrimiento de Balinit® X.CEED
Revêtement Balinit® X.CEED
Rivestimento in Balinit® X.CEED
Balinit® X.CEED 涂层

HIGH PERFORMANCE
END MILLS

Solid submicron grain carbide end mill - center cutting
 High performance machining
 Rigid work holding, machine stability and part integrity are critical!
 Dry or semi-dry machining
 Up to 40% faster than uncoated
 Slots stainless steel at an axial depth of 25% of diameter
Recommended for stainless steel
 Sharp corners (Can be modified with a corner radius)
 Uncoated - page 89
 TiCN Coated - page 91



Hochleistungs- Vollhartmetallfräser aus Feinkornhartmetall - Zentrumschnitt
 Hochleistungsbearbeitung
 Gute Werkstückspannung, Maschinestabilität und Teileintegration sind entscheidend!
 Trocken oder Halbtrockene Bearbeitung
 Bis zu 40% schneller als unbeschichtete Werkzeuge
 Nutfräsen von Rostfreiem Stahl mit einer Axialzustellung von 25% des Durchmessers
Empfohlen für Rostfreiem Stahl
 Scharfe Schneidecken (Kann mit einem Eckenradius modifiziert werden)
 Unbeschichtet - Seite 89
 TiCN-Beschichtet - Seite 91



Fresa de submicrograno sólido carburo de alto rendimiento - corte centrado
 Mecanizado de alto rendimiento
 La sujeción firme del útil, la estabilidad de la máquina y la integridad de las piezas son cruciales
 Mecanizado seco o semiseco
 Hasta un 40% más rápido que sin recubrimiento
 Ranurado de acero inoxidable a una profundidad axial del 25% del diámetro
Recomendado para acero inoxidable
 Esquinas afiladas (Se puede modificar con un ángulo redondeado)
 Sin recubrimiento - Página 89
 Recubrimiento de TiCN - Página 91



Fraises carbure submicrograin - coupe au centre
 Pour haute performance l'usinage
 Le serrage et la stabilité de la pièce, la rigidité de la machine et l'atatchement de l'outil sont tres importantes
 Usinage a sec ou avec l'air
 40% plus rapide que le non revetu
 Rainurage de l'acier inoxydable avec profondeur de coupe axiale equivalente a 25% du diamètre
Recommandee pour aciers inoxydables
 Angles pointus (Peut etre modifier avec un rayon de coin)
 Sans revêtement - Page 89
 Revêtement TiCN - Page 91



Super sub-micrograno metallo duro - taglio al centro
 Alte prestazioni per lavorazioni di inox
 Serraggio rigido, macchina stabile e ottimo bloccaggio del pezzo sono necessari!
 Lavorazione a secco o a umido
 40% più veloce rispetto non rivestito
 Lavorazione dal pieno su inox con profondità di taglio consigliata pari al 25% del diametro
Raccomandata per lavorazioni su inox
 Tagliente vivo (Può essere modificata con un raggio)
 Non Rivestito - Pagina 89
 Rivestimento in TiCN - Pagina 91



高效超细晶粒整体硬质合金立铣刀 - 中心切削
 高效加工铝合金
 高刚性工件夹持、机床稳定性以及零件的牢固性是至关重要的因素！
 干式或半干式机加工
 跟无涂层刀具相比可提高速度高达40%
 以25%直径的轴向深度在铝材上铣槽
推荐加工不锈钢
 尖角（可以改为圆角）
 未涂层 - 89页
 TiCN 涂层 - 91页

EDP#	d_1 †		d_2	l_1	l_2
	Decimal	Diameter		Shank Diameter	Overall Length
NEW 10347	.1181	3,00	3,0	38	8
NEW 10357	.1181	3,00	3,0	50	12
NEW 86137	.1250	1/8"	3,17	1/8"	1-1/2"
NEW 86147	.1250	1/8"	3,17	1/8"	2"
NEW 10387	.1575	4,00	6,0	50	8
NEW 10397	.1575	4,00	6,0	50	12
86157	.1875	3/16"	4,76	3/16"	2"
86167	.1875	3/16"	4,76	3/16"	2"
86187	.1875	3/16"	4,76	3/16"	3"
10407	.1969	5,00	5,0	50	8
10417	.1969	5,00	5,0	50	14
10017	.2362	6,00	6,0	50	12
10027	.2362	6,00	6,0	65	19
10037	.2362	6,00	6,0	75	32
86207	.2500	1/4"	6,35	1/4"	2"
86227	.2500	1/4"	6,35	1/4"	2-1/2"
86247	.2500	1/4"	6,35	1/4"	3"
86267	.3125	5/16"	7,94	5/16"	2"
86277	.3125	5/16"	7,94	5/16"	2-1/2"
86287	.3125	5/16"	7,94	5/16"	4"
10427	.3150	8,00	8,0	50	11
10047	.3150	8,00	8,0	65	20
10057	.3150	8,00	8,0	75	32
86307	.3750	3/8"	9,52	3/8"	2"
86327	.3750	3/8"	9,52	3/8"	2-1/2"
86347	.3750	3/8"	9,52	3/8"	3-1/2"
10067	.3937	10,00	10,0	50	12
10077	.3937	10,00	10,0	75	25
10087	.3937	10,00	10,0	88	38
86367	.4375	7/16"	11,11	7/16"	2-1/2"
86377	.4375	7/16"	11,11	7/16"	2-3/4"
86387	.4375	7/16"	11,11	7/16"	4"
10097	.4724	12,00	12,0	65	16
10107	.4724	12,00	12,0	75	25
10117	.4724	12,00	12,0	100	50
86407	.5000	1/2"	12,70	1/2"	2-1/2"
86427	.5000	1/2"	12,70	1/2"	3"
86447	.5000	1/2"	12,70	1/2"	4"
10437	.5512	14,00	14,0	65	16
10447	.5512	14,00	14,0	75	25
10457	.5512	14,00	14,0	100	50
86467	.5625	9/16"	14,29	9/16"	3"
86477	.5625	9/16"	14,29	9/16"	3-1/2"
86487	.5625	9/16"	14,29	9/16"	6"
86507	.6250	5/8"	15,87	5/8"	3"
86527	.6250	5/8"	15,87	5/8"	3-1/2"
86547	.6250	5/8"	15,87	5/8"	6"

continued →

253MA (853MA metric) / z = 3 (continued)

.6299" - 1.000"
(16,00mm - 25,40mm)

EDP#	$d1^{\dagger}$ Diameter		$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length
	Decimal	Metric			
10127	.6299	16,00	16,0	75	20
10137	.6299	16,00	16,0	88	32
10147	.6299	16,00	16,0	150	65
10167	.7087	18,00	18,0	100	38
10177	.7087	18,00	18,0	150	75
86607	.7500	3/4"	3/4"	3-1/2"	1"
86627	.7500	3/4"	3/4"	4"	1-1/2"
86647	.7500	3/4"	3/4"	6"	3"
10467	.7874	20,00	20,0	75	22
10187	.7874	20,00	20,0	100	38
10197	.7874	20,00	20,0	150	75
10217	.9843	25,00	25,0	100	28
10487	.9843	25,00	25,0	100	50
10497	.9843	25,00	25,0	150	82
86697	1.000	1"	1"	4"	1-1/8"
86727	1.000	1"	1"	4"	2"
86747	1.000	1"	1"	6"	3-1/4"

