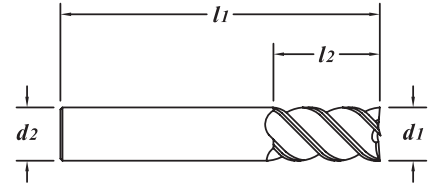
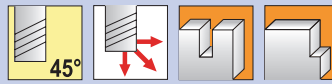


$d_1$		+0,000 - 0,050mm (+.000" - .002")
$d_2$	3mm - 6mm	+0,0000 - 0,0075mm (+.0000" - .0003")
	1/4" - 1"	-0,0025 - 0,0100mm (-.0001" - .0004")

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



HIGH PERFORMANCE  
END MILLS

**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**



Solid submicron grain carbide end mill - center cutting  
 High performance milling  
 Rigid work holding, machine stability and part integrity are critical!  
 Dry or semi-dry machining  
 Up to 40% faster than uncoated  
 Improved finishes in titanium  
 Heavy core, Sharp corners  
**Recommended for steels, stainless steel and exotics**  
 Uncoated - page 94  
 TiCN Coated - page 96



Hochleistungs- Vollhartmetallfräser aus Feinkornhartmetall - Zentrumschnitt  
 Hochleistungsbearbeitung  
 Gute Werkstückspannung, Maschinestabilität und Teileintegration sind entscheidend!  
 Trocken oder Halbtrockene Bearbeitung  
 Bis zu 40% schneller als unbeschichtete Werkzeuge  
 Verbessertes Schlichten von Titan  
 Starker Kern, Scharfe Schneidecken  
**Empfohlen für Stahl, Rostfreiem Stahl und exotischen Werkstoffen**  
 Unbeschichtet - Seite 94  
 TiCN-Beschichtet - Seite 96



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  
 Acabados mejorados en titanio  
 Núcleo pesado, Esquinas afiladas  
**Recomendado para aceros, acero inoxidable y materiales exóticos**  
 Sin recubrimiento - Página 94  
 Recubrimiento de TiCN - Página 96



Fraises carbure submicrograin - coupe au centre  
 Pour haute performance fraissage  
 Le serrage et la stabilité de la pièce, la rigidité de la machine et l'attachement de l'outil sont tres importantes  
 Usinage a sec ou avec l'air  
 40% plus rapide que le non revetu  
 Amelioration des finitions dans le Titane  
 Angles pointus  
**Recommandee pour aciers, aciers inoxydables et alliages exotiques**  
 Sans revêtement - Page 94  
 Revêtement TiCN - Page 96



Super sub-micrograno metallo duro - taglio al centro  
**Alte prestazioni per lavorazioni di acciai, inox e materiali esotici**  
 Serraggio rigido, macchina stabile e ottimo bloccaggio del pezzo sono necessari!  
 Lavorazione a secco o a umido  
 40% più veloce rispetto non rivestito  
 Consigliata per una migliore finitura sul titanio  
 Nocciolo rinforzato  
 Tagliente vivo  
 Non Rivestito - Pagina 94  
 Rivestimento in TiCN - Pagina 96



高效超细晶粒整体硬质合金立铣刀 - 中心切削  
**在钢件、不锈钢和稀有材质上作高效铣削**  
 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%  
 改善钛合金的光洁度  
 强力芯部  
 尖角  
 未涂层 - 94页  
 TiCN 涂层 - 96页

EDP#	$d_1$ † Diameter		$d_2$ Shank Diameter	$l_1$ Overall Length	$l_2$ Flute Length	
	Decimal	Metric				
NEW 40047	.1181	3,00	3,0	38	8	
NEW 40057	.1181	3,00	3,0	50	12	
NEW 52087	.1250	1/8"	3,17	1/8"	1-1/2"	1/4"
NEW 52097	.1250	1/8"	3,17	1/8"	2"	1/2"
NEW 40087	.1575	4,00	6,0	50	8	
NEW 40097	.1575	4,00	6,0	50	12	
52107	.1875	3/16"	4,76	3/16"	2"	5/16"
52127	.1875	3/16"	4,76	3/16"	2"	9/16"
40107	.1969	5,00	5,0	50	8	
40127	.1969	5,00	5,0	50	14	
40207	.2362	6,00	6,0	50	10	
40227	.2362	6,00	6,0	65	20	
40247	.2362	6,00	6,0	100	32	
52207	.2500	1/4"	6,35	1/4"	2"	3/8"
52227	.2500	1/4"	6,35	1/4"	2-1/2"	3/4"
52247	.2500	1/4"	6,35	1/4"	4"	1-1/4"
52307	.3125	5/16"	7,94	5/16"	2"	7/16"
52327	.3125	5/16"	7,94	5/16"	2-1/2"	13/16"
52347	.3125	5/16"	7,94	5/16"	4"	1-1/4"
40307	.3150	8,00	8,0	50	11	
40327	.3150	8,00	8,0	65	21	
40347	.3150	8,00	8,0	100	32	
52407	.3750	3/8"	9,52	3/8"	2"	1/2"
52427	.3750	3/8"	9,52	3/8"	2-1/2"	7/8"
52447	.3750	3/8"	9,52	3/8"	3-1/2"	1-1/2"
40407	.3937	10,00	10,0	50	12	
40427	.3937	10,00	10,0	70	22	
40447	.3937	10,00	10,0	88	38	
52507	.4375	7/16"	11,11	7/16"	2-1/2"	9/16"
52527	.4375	7/16"	11,11	7/16"	2-3/4"	1"
52547	.4375	7/16"	11,11	7/16"	4"	2"
40507	.4724	12,00	12,0	65	16	
40527	.4724	12,00	12,0	75	32	
40547	.4724	12,00	12,0	100	50	
52607	.5000	1/2"	12,70	1/2"	2-1/2"	5/8"
52627	.5000	1/2"	12,70	1/2"	3"	1-1/4"
52647	.5000	1/2"	12,70	1/2"	4"	2"
52707	.6250	5/8"	15,87	5/8"	3"	3/4"
52727	.6250	5/8"	15,87	5/8"	3-1/2"	1-5/8"
52747	.6250	5/8"	15,87	5/8"	6"	2-1/2"

## 255MA (855MA metric) / z = 5 (continued)

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

EDP#	$d1$ † Diameter		$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length
	Decimal	Metric			
40607	.6299	<b>16,00</b>	<b>16,0</b>	<b>75</b>	<b>20</b>
40627	.6299	<b>16,00</b>	<b>16,0</b>	<b>88</b>	<b>41</b>
40647	.6299	<b>16,00</b>	<b>16,0</b>	<b>150</b>	<b>63</b>
52807	.7500	3/4"	19,05	3"	7/8"
52827	.7500	3/4"	19,05	4"	1-5/8"
52837	.7500	3/4"	19,05	5"	2"
52847	.7500	3/4"	19,05	6"	3-1/4"
40707	.7874	<b>20,00</b>	<b>20,0</b>	<b>75</b>	<b>22</b>
40727	.7874	<b>20,00</b>	<b>20,0</b>	<b>100</b>	<b>41</b>
40747	.7874	<b>20,00</b>	<b>20,0</b>	<b>150</b>	<b>82</b>
40787	.9843	<b>25,00</b>	<b>25,0</b>	<b>100</b>	<b>28</b>
40827	.9843	<b>25,00</b>	<b>25,0</b>	<b>100</b>	<b>50</b>
40847	.9843	<b>25,00</b>	<b>25,0</b>	<b>150</b>	<b>82</b>
52897	1.000	1"	25,40	1"	1-1/8"
52927	1.000	1"	25,40	1"	2"
52947	1.000	1"	25,40	1"	3-1/4"