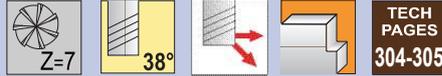


TOLERANCES	
d_1	+0.000" -0.002" (+.000mm -.050mm)
d_2	h6
r	+0.001" -0.001" (+.025 -.025mm)

HIGH EFFICIENCY MILLING



HIGH PERFORMANCE
END MILLS

Square End, Corner Radius - AlCrN-based Coated
Ohne Eckenradius, Eckenradius - AlCrN-Basierende Beschichtet
Extremo Sin Radio, Ángulo Redondeado - Recubrimiento Basado en AlCrN
Extrémité Carré, Rayon de Coin - Revêtement à base de AlCrN
Piatte, Torico - Rivestimento in Base AlCrN
平头, 圆角半径 - 涂层铝氮化铬



Solid submicron grain carbide end mill - non-center cutting
 Chip splitter to help break long chips
Engineered for High Efficiency Milling
 Multiple flutes for increased feed rates
 Staggered flute geometry
 PCT (Polish Carbide Treatment) enhances tool life
 Up to 15% (ae) Radial engagement



Hochleistungs- Vollhartmetallfräser aus Feinkornhartmetall - ohne zentrumsschnitt
 Spänespalter zum Brechen langer Späne
Entwickelt für hocheffizientes Fräsen
 Mehr Zähne für höhere Vorschube
 Spezielles Spannut-Design
 PCT (Polish Carbide Treatment, Treatment zum Polieren Hartmetall) steigert die Stanzeit
 Bis zu 15% radialen (ae) eintauchen



Fresa de submicrograno sólido carburo de alto rendimiento - no corte centrado
 Divisor de virutas para ayudar a romper virutas largas
Diseñado para el fresado de alta eficiencia
 Múltiples labios para aumentar las gamas de avance
 Labios escalonados
 PCT (Polish Carbide Treatment, Tratamiento de pulido) aumenta la vida
 Hasta 15% radial (ae)



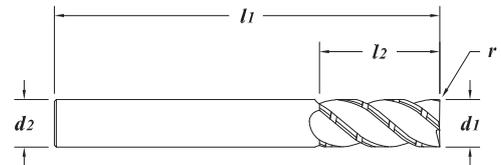
Fraises carbure submicrograin - pas de coupe au centre
 Séparateur de copeaux pour aider à briser les copeaux longs
Conçu pour un fraisage à haute efficacité
 Fraise multi-lévres pour de plus grandes avances
 Une denture variable réduit les vibrations
 PCT (le traitement pour polir le carbure) améliore la durée de vie de l'outil
 Jusqu'à 15% amorçe radiale (ae)



Fresa sub-micrograno metallo duro - no taglio al centro
 Spaccatucioili per aiutare a rompere i trucioli lunghi
Progettato per la fresatura ad alta efficienza
 Taglienti multipli per alti avanzamenti
 Taglienti sfalsati per controllare le forze
 PCT (Polish Carbide Treatment, trattamento di lucidatura del metallo duro) incrementa la vita utensile
 Fino a 15% radiale (ae)



高效超细晶粒整体硬质合金立铣刀 - 不切割在中心
 切屑分离器有助于分解长切屑
专为高效铣削而设计
 多刃提高进给率
 整个切削刃的螺旋角可变
 PCT (硬质合金抛光处理) 使刀具寿命提高
 设计并已成功加工0.15倍径切削宽度



EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	r Corner Radius	
	Decimal	Metric					
64300	.3750	3/8"	9.525	3/8"	2-1/2"	1"	-
64302	.3750	3/8"	9.525	3/8"	2-1/2"	1"	.020"
64304	.3750	3/8"	9.525	3/8"	2-1/2"	1"	.030"
64310	.4724	1/2"	12.000	1/2"	100	50	0.50
64316	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.030"
64318	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.060"
64322	.5000	1/2"	12.700	1/2"	3"	1"	.030"
64330	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.030"
64332	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.060"
64338	.5000	1/2"	12.700	1/2"	3-1/2"	1-1/2"	-
64342	.5000	1/2"	12.700	1/2"	3-1/2"	1-1/2"	.030"
64346	.5000	1/2"	12.700	1/2"	4"	2"	-
64348	.5000	1/2"	12.700	1/2"	4"	2"	.030"
64352	.5000	1/2"	12.700	1/2"	4"	2"	.125"
64360	.6250	5/8"	15.875	5/8"	4"	1-3/4"	-
64364	.6250	5/8"	15.875	5/8"	4"	1-3/4"	.030"
64368	.6299		16.000	16.0	100	40	0.75
64369	.6299		16.000	16.0	100	40	1.00
64372	.6299		16.000	16.0	100	50	1.00
64380	.7500	3/4"	19.050	3/4"	4"	1-1/2"	.030"
64386	.7500	3/4"	19.050	3/4"	6"	3-1/4"	.030"
NEW 64389	.7874		20.000	20.0	100	38	0.50
64400	1.000	1"	25.400	1"	5"	2-1/2"	.030"

70

35

MATERIAL HARDNESS (Rc)

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