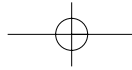


Ultra-Mills





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ULTRA-MILLS

ULTRA MILLS, in acciaio sinterizzato HSS-P3 di ultima generazione.

ULTRA MILLS, grazie alla qualità delle polveri ed alla tecnica di sinterizzazione, garantiscono un incomparabile mix di resistenza all'usura e tenacità.

ULTRA MILLS, il rivestimento PV10 e le geometrie innovative consentono velocità di taglio e avanzamenti molto elevati.



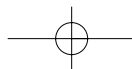
ULTRA MILLS, last generation HSS-P3 powder steel. ULTRA MILLS, thanks to the powder steel quality and sintering technology, guarantee surprising wear resistance as well toughness. ULTRA MILLS, PV10 coating and special geometry, allow very high cutting speed and feed.



ULTRA MILL, aus Sinterstahl der jüngsten Generation HSS-P3. ULTRA MILL, sichern dank der Qualität der Pulver und der Sintertechnik eine unvergleichliche Mischung von Verschleißfestigkeit und Festigkeit. ULTRA MILL, die Beschichtung PV10 und die innovativen Geometrien ermöglichen sehr hohe Schneid- und Vorschubgeschwindigkeiten.







ULTRA MILLS, en acier fritté HSS-P3 de la dernière génération. ULTRA MILLS, grâce à la qualité des poudres et à la technique de frittage, ces fraises garantissent un mélange incomparable de résistance à l'usure et de ténacité. ULTRA MILLS, le revêtement PV10 et les géométries innovantes permettent une vitesse de coupe et des avances très élevées.

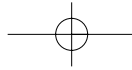




Indice grafico

Graphic index · Graphischer Index · Index graphique

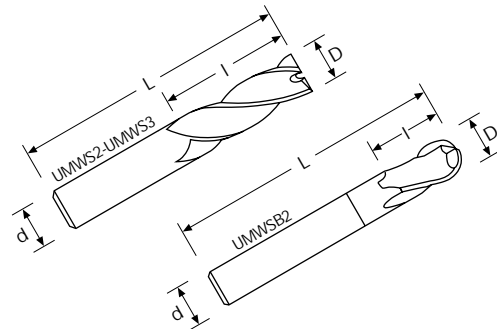
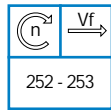
CODICE · ITEM NO. ARTIKEL NR. · RÉFÉRENCE	DESCRIZIONE · DESCRIPTION EZEICHUNG · DESCRIPTION	PAGINA · PAGE SEITE · PAGE	
UMWS2	2F PV10 corta · short · kurz · courte	160	 NEW
UMWSB2	2FB PV10 corta · short · kurz · courte	160	 NEW
UMWS3	3F PV10 corta · short · kurz · courte	160	 NEW
UMWS4	4F PV10 corta · short · kurz · courte	161	 NEW
UMWSFR	HR PV10 sgrossare corta · roughing short HR PV10 Schruppfräser kurz · d'ébauche courte	162	 NEW



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FRESE 2F, 2FB, 3F IN ACCIAIO SINTERIZZATO HSS-P3
 HSS-P3 POWDER STEEL 2F, 2FB, 3F END MILLS
 SINTERSTAHL HSS-P3 2F, 2FB, 3F FRÄSER
 FRAISES 2F, 2FB, 3F EN ACIER FRITTÉ HSS-P3

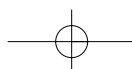






CODICE / ITEM NO. / ARTIKEL NR. / RÉFÉRENCE				UMWS2	UMWSB2	UMWS3
TIPO / TYPE / TYP / TYPE				UM	UM	UM
NR.TAGLIENTI / FLUTES NO. / NUTENZAHL / NB.DE DENTS				2	2B	3
ATTACCO / SHANK / SCHAFT / QUEUE				W	W	W
MATERIALE / MATERIAL / WERKSTOFF / MATIÈRE				HSS-P3	HSS-P3	HSS-P3
RIVESTIMENTO / COATING / BESCHICHTUNG / REVÊTEMENT				PV10	PV10	PV10
NORMA / NORM / NORM / NORME				327	327	327
TOLLERANZA / TOLERANCE / TOLERANZ / TOLÉRANCE				e8	0/-0.03	e8
ELICA / HELIX / SPIRAL / HÉLICE				30°	30°	30°
D	d (h6)	l	L	Stock	Stock	Stock
MM. 1	6	2.5	47	○	○	○
MM. 2	6	4	48	○	○	○
MM. 3	6	5	49	●	○	●
MM. 4	6	7	51	●	○	●
MM. 5	6	8	52	●	○	●
MM. 6	6	8	52	●	○	●
MM. 7	10	10	60	○	○	○
MM. 8	10	11	61	●	○	●
MM. 9	10	11	61	○	○	○
MM.10	10	13	63	●	○	●
MM.12	12	16	73	●	○	●
MM.14	12	16	73	●	○	●
MM.16	16	19	79	●	○	●
MM.18	16	19	79	○	○	○
MM.20	20	22	88	●	○	●
MM.22	20	22	88	○	○	○
MM.25	25	26	102	○	○	○

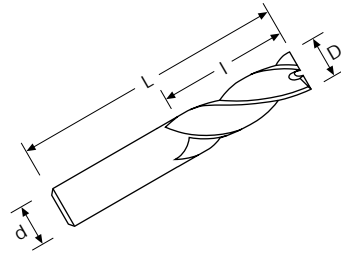
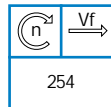
R: ± 0.02mm

Ø mm.	Tol. µ				
	1-3	3.5-6	6.5-10	10.5-18	19-25
D e8	-14/-28	-20/-38	-25/-47	-32/-59	-40/-73
d h6	0/-6	0/-8	0/-9	0/-11	0/-13

ULTRA-MILLS

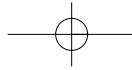


 FRESE 4F IN ACCIAIO SINTERIZZATO HSS-P3
  HSS-P3 POWDER STEEL 4F END MILLS
 SINTERSTAHL HSS-P3 4F FRÄSER
  FRAISES 4F EN ACIER FRITTÉ HSS-P3



CODICE / ITEM NO. / ARTIKEL NR. / RÉFÉRENCE				UMWS4
TIPO / TYPE / TYP / TYPE				UM
NR.TAGLIANTI / FLUTES NO. / NUTENZAHL / NB.DE DENTS				4
ATTACCO / SHANK / SCHAFT / QUEUE				W
MATERIALE / MATERIAL / WERKSTOFF / MATIÈRE				HSS-P3
RIVESTIMENTO / COATING / BESCHICHTUNG / REVÊTEMENT				PV10
NORMA / NORM / NORM / NORME				844
TOLLERANZA / TOLERANCE / TOLERANZ / TOLÉRANCE				+0.03/0
ELICA / HELIX / SPIRAL / HÉLICE				30°
D	d (h6)	l	L	Stock
MM. 1	6	3	49	○
MM. 2	6	7	51	○
MM. 3	6	8	52	●
MM. 4	6	11	55	●
MM. 5	6	13	57	●
MM. 6	6	13	57	●
MM. 7	10	16	66	○
MM. 8	10	19	69	●
MM. 9	10	19	69	○
MM.10	10	22	72	●
MM.12	12	26	83	●
MM.14	12	26	83	●
MM.16	16	32	92	●
MM.18	16	32	92	●
MM.20	20	38	104	●
MM.22	20	38	104	○
MM.25	25	45	121	○

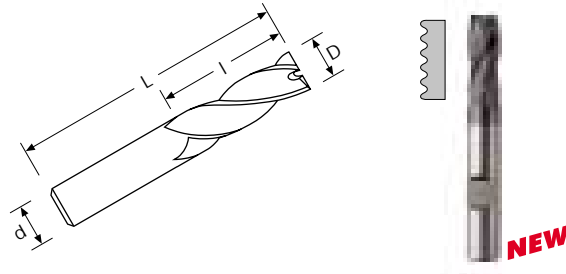
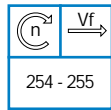
Ø mm.	Tol. µ				
	1-3	3.5-6	6.5-10	10.5-18	19-25
D	+3/0	+3/0	+3/0	+3/0	+3/0
d h6	0/-6	0/-8	0/-9	0/-11	0/-13



Ultra-Mills



FRESE A SGROSSARE IN ACCIAIO SINTERIZZATO HSS-P3
 HSS-P3 POWDER STEEL ROUGHING END MILLS
 SINTERSTAHL HSS-P3 SCHRUPPFÄSER
 FRAISES D'ÉBAUCHE EN ACIER FRITTÉ HSS-P3



CODICE / ITEM NO. / ARTIKEL NR. / RÉFÉRENCE				UMWSFR
TIPO / TYPE / TYP / TYPE				UM-HR
NR.TAGLIANTI / FLUTES NO. / NUTENZAHL / NB.DE DENTS				3-5*
ATTACCO / SHANK / SCHAFT / QUEUE				W
MATERIALE / MATERIAL / WERKSTOFF / MATIÈRE				HSS-P3
RIVESTIMENTO / COATING / BESCHICHTUNG / REVÊTEMENT				PV10
NORMA / NORM / NORM / NORME				844
TOLLERANZA / TOLERANCE / TOLERANZ / TOLÉRANCE				js12
ELICA / HELIX / SPIRAL / HÉLICE				42°
D	d (h6)	l	L	Stock
MM. 6	6	13	57	●
MM. 7	10	16	66	●
MM. 8	10	19	69	●
MM. 9	10	19	69	●
MM.10	10	22	72	●
MM.12	12	26	83	●
MM.14	12	26	83	●
MM.16	16	32	92	●
MM.18	16	32	92	●
MM.20	20	38	104	●
MM.22	20	38	104	○
MM.25	25	45	121	○

Ø mm.	Tol. µ				
	1-3	3.5-6	6.5-10	10.5-18	19-30
D js12	±50	±60	±75	±90	±105
d h6	0/-6	0/-8	0/-9	0/-11	0/-13

Ø mm.	6-9	10-20	22-25
*UMWSFR	Z = 3	Z = 4	Z = 5

ULTRA-MILLS

