

120°



D	d1	d2	L	magafor 433	TiN 4833
z9	maxi	h9	± 1		
6,3	1,5	5	43		
8,3	2,0	6	48		
10,4	2,5	6	48		
12,4	2,8	8	54		
16,5	3,2	10	57		
20,5	3,5	10	59		
25,0	3,8	10	62		
31,0	4,2	12	65		

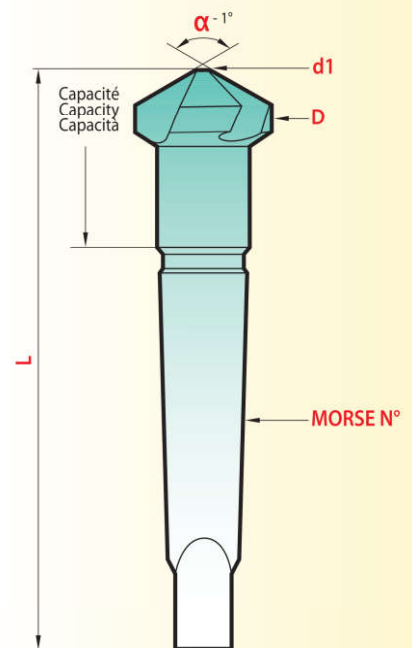
## CÔNES MORSE MORSE TAPER CONO MORSE

120°

magafor standard



D	d1	MORSE N°	L	magafor 433
z9	maxi		± 1	
20,5	4	1	91	
31	5	2	106	
40	8	3	154	



82° - 100° - 120°

COMPOSITION COMPOSICIÓN COMPOSIZIONE	$\alpha$	QUALITÉ QUALITY CALIDAD	magafor
5 fraises cutters fresas frese Ø 10,4 - 16,5 20,5 - 25,0 - 31,0	82°	HSS-E	434
		TiN	4834
	100°	HSS-E	435
		TiN	8435
	120°	HSS-E	433
		TiN	4833
6 fraises cutters fresas frese Ø 6,35 ~ 19,05 (1/4" ~ 3/4")	82°	HSS-E	434/5
		TiN	4834/5

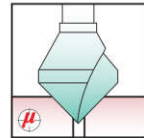
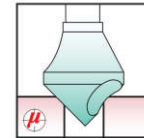
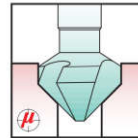
Promo-kits



# performances

Vc = vitesse speed velocidad velocidad = m/min.  
 Vf = avance feed avance avanzamento = mm/min.  
 $\frac{Vc \times 1000}{\pi \times \varnothing} =$  Tours par min. Rev. / min.  
 Giri / min. revoluciones por minuto.

## ÉBAVURAGE - CHANFREINAGE DEBURRING - COUNTERSINKING DESBARBADO - AVELLANADO SVASATURA - SBAVATURA



Recommandation  
 Recomendación  
 Suggestimento

N° 1

N° 2

Autres  
 Otros

Others

Altre soluzioni

MATIÈRE MATERIAL MATERIALE		HSS-Co	HSS-Co + TiN	HSS 8% Co	HSS 8% Co + Red'X	Carbure Carbide Metallo Duro	Carbure Carbide + Hard'X	HSS-Co	HSS-Co + TiN	HSS-Co	HSS-Co + TiN
Pages Páginas Page		47 ~ 57		49		49 ~ 56		60 - 61		62 - 63	
Aciers Steels Aceros Acciai ≤ 500 N/mm <sup>2</sup>	Vc Ø 10 Vf Ø 30	17~22 85 45 30	17~22 85 45 30	35~45 165 85 55	35~45 165 85 55	40~80 250 125 85	40~80 250 125 85	35~45 165 85 55	35~45 165 85 55	35~45 165 85 55	35~45 165 85 55
Aciers Steels Aceros Acciai 500 ~ 800 N/mm <sup>2</sup>	Vc Ø 10 Vf Ø 30	10~15 60 30 20	10~15 60 30 20	20~30 110 55 35	20~30 110 55 35	30~60 170 85 60	30~60 170 85 60	20~30 110 55 35	20~30 110 55 35	20~30 110 55 35	20~30 110 55 35
Aciers Steels Aceros Acciai 800 ~ 1000 N/mm <sup>2</sup>	Vc Ø 10 Vf Ø 30	8~12 35 25 15	8~12 35 25 15	16~20 55 35 25	16~20 55 35 25	20~40 100 60 45	20~40 100 60 45	15~20 55 35 25	15~20 55 35 25	15~20 55 35 25	15~20 55 35 25
Inox Stainless steel Aceros Inoxidables 1000 ~ 1300 N/mm <sup>2</sup>	Vc Ø 10 Vf Ø 30	6~10 30 15 10	6~10 30 15 10	12~15 45 25 20	12~15 45 25 20	20~40 100 60 40	20~40 100 60 40	12~15 45 25 20	12~15 45 25 20	12~15 45 25 20	12~15 45 25 20
Acier anti-abrasion Abrasive tough Steel < 420 HB Acero resistente a la abrasión	Vc Ø 10 Vf Ø 30			12~15 40 30 20	12~15 40 30 20	15~20 55 35 25	15~20 55 35 25				
Bronze dur Inconel, Nimonic Hard bronze Bronze/Bronzo duro	Vc Ø 10 Vf Ø 30			4~6 16 8 6	4~6 16 8 6	10~12 30 16 10	10~12 30 16 10				
Acier traité Treated steel ≥ 60 HRC Acero tratado Acciai trattati	Vc Ø 10 Vf Ø 30					8~10 20 10 8	10~12 30 16 10				
Fonte Cast iron Fundición Ghisa	Vc Ø 10 Vf Ø 30	15~25 70 40 30	15~25 70 40 30	20~40 125 75 50	20~40 125 75 50	40~80 250 150 100	40~80 250 150 100	20~40 125 75 50	20~40 125 75 50	20~40 125 75 50	20~40 125 75 50
Aluminium Alluminio	Vc Ø 10 Vf Ø 30	35~45 200 130 110	35~45 200 130 110	50~60 255 180 150	50~60 255 180 150	40~100 350 230 200	40~100 350 230 200	50~60 255 180 150	50~60 255 180 150	50~60 255 180 150	50~60 255 180 150
Laiton Brass Bronze Latòn - Bronce Bronzo	Vc Ø 10 Vf Ø 30	20~30 120 85 70	20~30 120 85 70	30~40 150 110 90	30~40 150 110 90			30~40 150 110 90	30~40 150 110 90	30~40 150 110 90	30~40 150 110 90
Cuivre Copper Cobre Rame	Vc Ø 10 Vf Ø 30	15~25 95 60 45	15~25 95 60 45	20~30 120 80 65	20~30 120 80 65	50~80 300 200 175	50~80 300 200 175	20~30 120 80 65	20~30 120 80 65	20~30 120 80 65	20~30 120 80 65
Stratifié Laminated Laminados Laminati	Vc Ø 10 Vf Ø 30	35~70 300 200 150	35~70 300 200 150	35~70 300 200 150	35~70 300 200 150			50~100 400 300 250	50~100 400 300 250	50~100 400 300 250	50~100 400 300 250
Nylon PVC Plastics / Plásticos Plastiche	Vc Ø 10 Vf Ø 30	35~70 400 300 250	35~70 400 300 250	35~70 400 300 250	35~70 400 300 250			50~100 450 350 300	50~100 450 350 300	50~100 450 350 300	50~100 450 350 300