

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 | | |

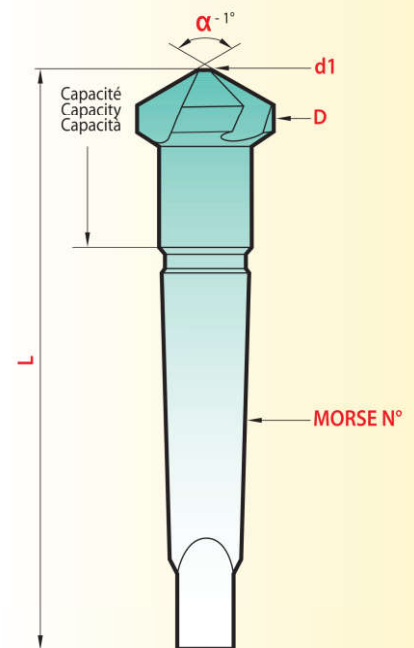
CÔNES MORSE MORSE TAPER CONO MORSE

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 | α | 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 |

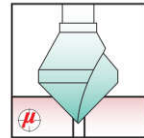
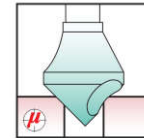
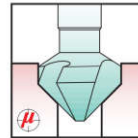
Promo-kits



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 Pagina | | 47 ~ 57 | | 49 | | 49 ~ 56 | | 60 - 61 | | 62 - 63 | |
| Aciers Steels | Vc | 17~22 | 17~22 | 35~45 | 35~45 | 40~80 | 40~80 | 35~45 | 35~45 | 35~45 | 35~45 |
| Aceros Acciai | Vf | 85 | 85 | 165 | 165 | 250 | 250 | 165 | 165 | 165 | 165 |
| ≤ 500 N/mm² | | 45 | 45 | 85 | 85 | 125 | 125 | 85 | 85 | 85 | 85 |
| Ø 30 | | 30 | 30 | 55 | 55 | 85 | 85 | 55 | 55 | 55 | 55 |
| Aciers Steels | Vc | 10~15 | 10~15 | 20~30 | 20~30 | 30~60 | 30~60 | 20~30 | 20~30 | 20~30 | 20~30 |
| Aceros Acciai | Vf | 60 | 60 | 110 | 110 | 170 | 170 | 110 | 110 | 110 | 110 |
| 500 ~ 800 N/mm² | | 30 | 30 | 55 | 55 | 85 | 85 | 55 | 55 | 55 | 55 |
| Ø 30 | | 20 | 20 | 35 | 35 | 60 | 60 | 35 | 35 | 35 | 35 |
| Aciers Steels | Vc | 8~12 | 8~12 | 16~20 | 16~20 | 20~40 | 20~40 | 15~20 | 15~20 | 15~20 | 15~20 |
| Aceros Acciai | Vf | 35 | 35 | 55 | 55 | 100 | 100 | 55 | 55 | 55 | 55 |
| 800 ~ 1000 N/mm² | | 25 | 25 | 35 | 35 | 60 | 60 | 35 | 35 | 35 | 35 |
| Ø 30 | | 15 | 15 | 25 | 25 | 45 | 45 | 25 | 25 | 25 | 25 |
| Inox Stainless steel | Vc | 6~10 | 6~10 | 12~15 | 12~15 | 20~40 | 20~40 | 12~15 | 12~15 | 12~15 | 12~15 |
| Aceros Inoxidables | Vf | 30 | 30 | 45 | 45 | 100 | 100 | 45 | 45 | 45 | 45 |
| 1000 ~ 1300 N/mm² | | 15 | 15 | 25 | 25 | 60 | 60 | 25 | 25 | 25 | 25 |
| Ø 30 | | 10 | 10 | 20 | 20 | 40 | 40 | 20 | 20 | 20 | 20 |
| Acier anti-abrasion Abrasive tough | Vc | | | | 12~15 | 15~20 | 15~20 | | | | |
| Steel < 420 HB | Vf | | | | 40 | 55 | 55 | | | | |
| Acero resistente a la abrasión | | | | | 30 | 35 | 35 | | | | |
| Ø 30 | | | | | 20 | 25 | 25 | | | | |
| Bronze dur Inconel, Nimonic | Vc | | | 4~6 | 4~6 | 10~12 | 10~12 | | | | |
| Hard bronze | Vf | | | 16 | 16 | 30 | 30 | | | | |
| Bronze/Bronzo duro | | | | 8 | 8 | 16 | 16 | | | | |
| Ø 30 | | | | 6 | 6 | 10 | 10 | | | | |
| Acier traité Treated steel | Vc | | | | | 8~10 | 10~12 | | | | |
| ≥ 60 HRC | Vf | | | | | 20 | 30 | | | | |
| Acero tratado Acciai trattati | | | | | | 10 | 16 | | | | |
| Ø 30 | | | | | | 8 | 10 | | | | |
| Fonte Cast iron | Vc | 15~25 | 15~25 | 20~40 | 20~40 | 40~80 | 40~80 | 20~40 | 20~40 | 20~40 | 20~40 |
| Fundición | Vf | 70 | 70 | 125 | 125 | 250 | 250 | 125 | 125 | 125 | 125 |
| Ghisa | | 40 | 40 | 75 | 75 | 150 | 150 | 75 | 75 | 75 | 75 |
| Ø 30 | | 30 | 30 | 50 | 50 | 100 | 100 | 50 | 50 | 50 | 50 |
| Aluminium Alluminio | Vc | 35~45 | 35~45 | 50~60 | 50~60 | 40~100 | 40~100 | 50~60 | 50~60 | 50~60 | 50~60 |
| Ø 10 | | 200 | 200 | 255 | 255 | 350 | 350 | 255 | 255 | 255 | 255 |
| Ø 20 | Vf | 130 | 130 | 180 | 180 | 230 | 230 | 180 | 180 | 180 | 180 |
| Ø 30 | | 110 | 110 | 150 | 150 | 200 | 200 | 150 | 150 | 150 | 150 |
| Laiton Brass | Vc | 20~30 | 20~30 | 30~40 | 30~40 | | | 30~40 | 30~40 | 30~40 | 30~40 |
| Bronze | Vf | 120 | 120 | 150 | 150 | | | 150 | 150 | 150 | 150 |
| Latòn - Bronce | | 85 | 85 | 110 | 110 | | | 110 | 110 | 110 | 110 |
| Bronzo | | 70 | 70 | 90 | 90 | | | 90 | 90 | 90 | 90 |
| Cuivre Copper | Vc | 15~25 | 15~25 | 20~30 | 20~30 | 50~80 | 50~80 | 20~30 | 20~30 | 20~30 | 20~30 |
| Cobre | Vf | 95 | 95 | 120 | 120 | 300 | 300 | 120 | 120 | 120 | 120 |
| Rame | | 60 | 60 | 80 | 80 | 200 | 200 | 80 | 80 | 80 | 80 |
| Ø 30 | | 45 | 45 | 65 | 65 | 175 | 175 | 65 | 65 | 65 | 65 |
| Stratifié Laminated | Vc | 35~70 | 35~70 | 35~70 | 35~70 | | | 50~100 | 50~100 | 50~100 | 50~100 |
| Laminados | Vf | 300 | 300 | 300 | 300 | | | 400 | 400 | 400 | 400 |
| Laminati | | 200 | 200 | 200 | 200 | | | 300 | 300 | 300 | 300 |
| Ø 30 | | 150 | 150 | 150 | 150 | | | 250 | 250 | 250 | 250 |
| Nylon PVC | Vc | 35~70 | 35~70 | 35~70 | 35~70 | | | 50~100 | 50~100 | 50~100 | 50~100 |
| Plastics / Plásticos | Vf | 400 | 400 | 400 | 400 | | | 450 | 450 | 450 | 450 |
| Plastiche | | 300 | 300 | 300 | 300 | | | 350 | 350 | 350 | 350 |
| Ø 30 | | 250 | 250 | 250 | 250 | | | 300 | 300 | 300 | 300 |