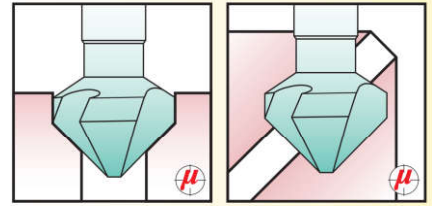


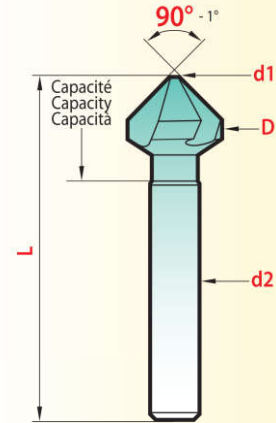
# TRI-DENT



90° DIN 335 - C



| D    | d1   | d2 | L   | magafor<br>43-A | TiN<br>483-A | Red'X<br>493-A |
|------|------|----|-----|-----------------|--------------|----------------|
| z9   | maxi | h9 | ± 1 |                 |              |                |
| 4,3  | 1,3  | 4  | 40  |                 |              |                |
| 5,3  | 1,5  | 4  | 40  |                 |              |                |
| 6,0  | 1,5  | 5  | 45  |                 |              |                |
| 6,3  | 1,5  | 5  | 45  |                 |              |                |
| 8,0  | 2,0  | 6  | 50  |                 |              |                |
| 8,3  | 2,0  | 6  | 50  |                 |              |                |
| 9,4  | 2,2  | 6  | 50  |                 |              |                |
| 10,0 | 2,5  | 6  | 50  |                 |              |                |
| 10,4 | 2,5  | 6  | 50  |                 |              |                |
| 11,5 | 2,8  | 8  | 56  |                 |              |                |
| 12,0 | 2,8  | 8  | 56  |                 |              |                |
| 12,4 | 2,8  | 8  | 56  |                 |              |                |
| 15,0 | 3,2  | 10 | 60  |                 |              |                |
| 16,5 | 3,2  | 10 | 60  |                 |              |                |
| 20,5 | 3,5  | 10 | 63  |                 |              |                |
| 25,0 | 3,8  | 10 | 67  |                 |              |                |
| 28,0 | 4,0  | 12 | 71  |                 |              |                |
| 30,0 | 4,2  | 12 | 71  |                 |              |                |
| 31,0 | 4,2  | 12 | 71  |                 |              |                |



**Queue avec 3 plats**  
**3 flated shanks**  
**Mango con 3 planos**  
**Codolo con 3 piani**

90° DIN 335 - C



| D    | d1   | d2 | L   | magafor<br>437-A | TiN<br>4837-A | Red'X<br>4937-A |
|------|------|----|-----|------------------|---------------|-----------------|
| z9   | maxi | h9 | ± 1 |                  |               |                 |
| 6,3  | 1,5  | 5  | 45  |                  |               |                 |
| 8,3  | 2,0  | 6  | 50  |                  |               |                 |
| 10,4 | 2,5  | 6  | 50  |                  |               |                 |
| 12,4 | 2,8  | 8  | 56  |                  |               |                 |
| 14,4 | 2,8  | 8  | 56  |                  |               |                 |
| 15,0 | 3,2  | 10 | 60  |                  |               |                 |
| 16,5 | 3,2  | 10 | 60  |                  |               |                 |
| 20,5 | 3,5  | 10 | 63  |                  |               |                 |
| 25,0 | 3,8  | 10 | 67  |                  |               |                 |
| 31,0 | 4,2  | 12 | 71  |                  |               |                 |

*Performances*

Page Pagina 64

Les 3 plats assurent un serrage efficace  
**Effective holding thanks to the 3 flats**  
 Los 3 planos aseguran una sujeción efectiva  
 I 3 piani assicurano un bloccaggio efficace

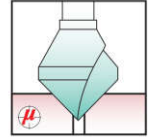
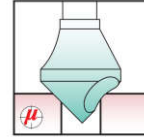
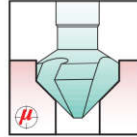
Video on line  
[www.magafor.com](http://www.magafor.com)



# 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<br>MATERIAL<br>MATERIALE      |    | HSS-Co  | HSS-Co<br>+ TiN | HSS<br>8% Co | HSS<br>8% Co<br>+ Red'X | Carbure<br>Carbide<br>Metallo<br>Duro | Carbure<br>Carbide<br>+ Hard'X | HSS-Co  | HSS-Co<br>+ TiN | HSS-Co  | HSS-Co<br>+ TiN |
|---------------------------------------|----|---------|-----------------|--------------|-------------------------|---------------------------------------|--------------------------------|---------|-----------------|---------|-----------------|
| Pages Páginas Page                    |    | 47 ~ 57 |                 | 49           |                         | 49 ~ 56                               |                                | 60 - 61 |                 | 62 - 63 |                 |
| Aciers<br>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 10                                  |    | 30      | 30              | 55           | 55                      | 85                                    | 85                             | 55      | 55              | 55      | 55              |
| Ø 20                                  |    | 30      | 30              | 55           | 55                      | 85                                    | 85                             | 55      | 55              | 55      | 55              |
| Ø 30                                  |    | 30      | 30              | 55           | 55                      | 85                                    | 85                             | 55      | 55              | 55      | 55              |
| Aciers<br>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 10                                  |    | 20      | 20              | 35           | 35                      | 60                                    | 60                             | 35      | 35              | 35      | 35              |
| Ø 20                                  |    | 20      | 20              | 35           | 35                      | 60                                    | 60                             | 35      | 35              | 35      | 35              |
| Ø 30                                  |    | 20      | 20              | 35           | 35                      | 60                                    | 60                             | 35      | 35              | 35      | 35              |
| Aciers<br>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 10                                  |    | 15      | 15              | 25           | 25                      | 45                                    | 45                             | 25      | 25              | 25      | 25              |
| Ø 20                                  |    | 15      | 15              | 25           | 25                      | 45                                    | 45                             | 25      | 25              | 25      | 25              |
| Ø 30                                  |    | 15      | 15              | 25           | 25                      | 45                                    | 45                             | 25      | 25              | 25      | 25              |
| Inox<br>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 10                                  |    | 10      | 10              | 20           | 20                      | 40                                    | 40                             | 20      | 20              | 20      | 20              |
| Ø 20                                  |    | 10      | 10              | 20           | 20                      | 40                                    | 40                             | 20      | 20              | 20      | 20              |
| Ø 30                                  |    | 10      | 10              | 20           | 20                      | 40                                    | 40                             | 20      | 20              | 20      | 20              |
| Acier anti-abrasion<br>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 10                                  |    |         |                 |              | 20                      | 25                                    | 25                             |         |                 |         |                 |
| Ø 20                                  |    |         |                 |              | 20                      | 25                                    | 25                             |         |                 |         |                 |
| Ø 30                                  |    |         |                 |              | 20                      | 25                                    | 25                             |         |                 |         |                 |
| Bronze dur<br>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 10                                  |    |         |                 | 6            | 6                       | 10                                    | 10                             |         |                 |         |                 |
| Ø 20                                  |    |         |                 | 6            | 6                       | 10                                    | 10                             |         |                 |         |                 |
| Ø 30                                  |    |         |                 | 6            | 6                       | 10                                    | 10                             |         |                 |         |                 |
| Acier traité<br>Treated steel         | Vc |         |                 |              |                         | 8~10                                  | 10~12                          |         |                 |         |                 |
| ≥ 60 HRC                              | Vf |         |                 |              |                         | 20                                    | 30                             |         |                 |         |                 |
| Acero tratado Acciai trattati         |    |         |                 |              |                         | 10                                    | 16                             |         |                 |         |                 |
| Ø 10                                  |    |         |                 |              |                         | 8                                     | 10                             |         |                 |         |                 |
| Ø 20                                  |    |         |                 |              |                         | 8                                     | 10                             |         |                 |         |                 |
| Ø 30                                  |    |         |                 |              |                         | 8                                     | 10                             |         |                 |         |                 |
| Fonte<br>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 10                                  |    | 30      | 30              | 50           | 50                      | 100                                   | 100                            | 50      | 50              | 50      | 50              |
| Ø 20                                  |    | 30      | 30              | 50           | 50                      | 100                                   | 100                            | 50      | 50              | 50      | 50              |
| Ø 30                                  |    | 30      | 30              | 50           | 50                      | 100                                   | 100                            | 50      | 50              | 50      | 50              |
| Aluminium<br>Alluminio                | Vc | 35~45   | 35~45           | 50~60        | 50~60                   | 40~100                                | 40~100                         | 50~60   | 50~60           | 50~60   | 50~60           |
| Ø 10                                  | Vf | 200     | 200             | 255          | 255                     | 350                                   | 350                            | 255     | 255             | 255     | 255             |
| Ø 20                                  |    | 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              |
| Ø 10                                  |    | 70      | 70              | 90           | 90                      |                                       |                                | 90      | 90              | 90      | 90              |
| Ø 20                                  |    | 70      | 70              | 90           | 90                      |                                       |                                | 90      | 90              | 90      | 90              |
| Ø 30                                  |    | 70      | 70              | 90           | 90                      |                                       |                                | 90      | 90              | 90      | 90              |
| Cuivre<br>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 10                                  |    | 45      | 45              | 65           | 65                      | 175                                   | 175                            | 65      | 65              | 65      | 65              |
| Ø 20                                  |    | 45      | 45              | 65           | 65                      | 175                                   | 175                            | 65      | 65              | 65      | 65              |
| Ø 30                                  |    | 45      | 45              | 65           | 65                      | 175                                   | 175                            | 65      | 65              | 65      | 65              |
| Stratifié<br>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 10                                  |    | 150     | 150             | 150          | 150                     |                                       |                                | 250     | 250             | 250     | 250             |
| Ø 20                                  |    | 150     | 150             | 150          | 150                     |                                       |                                | 250     | 250             | 250     | 250             |
| Ø 30                                  |    | 150     | 150             | 150          | 150                     |                                       |                                | 250     | 250             | 250     | 250             |
| Nylon<br>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 10                                  |    | 250     | 250             | 250          | 250                     |                                       |                                | 300     | 300             | 300     | 300             |
| Ø 20                                  |    | 250     | 250             | 250          | 250                     |                                       |                                | 300     | 300             | 300     | 300             |
| Ø 30                                  |    | 250     | 250             | 250          | 250                     |                                       |                                | 300     | 300             | 300     | 300             |