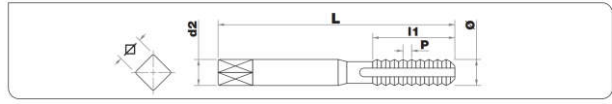


**HSSE DIN MACHINE TAP SPIRAL
FLUTE 35° BACK CHAMFER.**

**MACHO DE MÁQUINA HSSE DIN
HELICOIDAL 35° CONI. INVERSA.**

**MASCHIO A MACCHINA HSS-E DIN
ELICA 35°.**



Multi-application machine tapping.
Comfort, accuracy.

Multi-aplicación. Confort, precisión.

Filettatura a macchina multiapplicazione.
Comfort e precisione.



Steels for heat treatment
200-700N/mm²
Aceros para tratamiento térmico
200-700 N/mm²
Acciai per trattamento termico
200-700N/mm²



Heat Treatable Steels <950N/
mm²
Aceros aleados y tratados <
950N/mm²
Acciai per trattamento termico
<950N/mm²



Austenitic stainless steels
Aceros inoxidables austeníticos
Acciai inossidabili austenitici



Cast iron
Fundiciones
Ghisa



Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio



Composite Plastics
Composites plásticos
Plastiche composite

| 9603051 | EAN | Ø | P | L | I | d2 | DIN | QTY | PCB |
|-----------------|---------------|-----|------|-----|-----|-----|-----|-----|-----|
| 960305100400070 | 8420609307393 | M4 | 0.7 | 63 | 7 | 2.8 | 376 | 1 | 1 |
| 960305100500080 | 8420609307423 | M5 | 0.8 | 70 | 8,5 | 3.5 | 376 | 1 | 1 |
| 960305100600100 | 8420609307454 | M6 | 1 | 80 | 9,5 | 3.5 | 376 | 1 | 1 |
| 960305100800125 | 8420609307508 | M8 | 1.25 | 90 | 12 | 6 | 376 | 1 | 1 |
| 960305101000150 | 8420609307560 | M10 | 1.5 | 100 | 14 | 7 | 376 | 1 | 1 |
| 960305101200175 | 8420609307638 | M12 | 1.75 | 110 | 16 | 9 | 376 | 1 | 1 |
| 960305101400200 | 8420609307690 | M14 | 2 | 110 | 18 | 11 | 376 | 1 | 1 |
| 960305101600200 | 8420609307768 | M16 | 2 | 110 | 18 | 12 | 376 | 1 | 1 |
| 960305101800250 | 8420609307812 | M18 | 2.5 | 125 | 25 | 14 | 376 | 1 | 1 |
| 960305102000250 | 8420609307850 | M20 | 2.5 | 140 | 25 | 16 | 376 | 1 | 1 |
| 960305102200250 | 8420609307898 | M22 | 2.5 | 140 | 25 | 18 | 376 | 1 | 1 |
| 960305102400300 | 8420609307935 | M24 | 3 | 160 | 30 | 18 | 376 | 1 | 1 |
| 960305102700300 | 8420609307997 | M27 | 3 | 160 | 30 | 20 | 376 | 1 | 1 |
| 960305103000350 | 8420609308048 | M30 | 3.5 | 180 | 35 | 22 | 376 | 1 | 1 |
| 960305103300350 | 8420609308093 | M33 | 3.5 | 180 | 40 | 25 | 376 | 1 | 1 |
| 960305103600400 | 8420609308147 | M36 | 4 | 200 | 45 | 28 | 376 | 1 | 1 |



| 9603051 | EAN | Ø | P | L | I | d2 | DIN | QTY | PCB |
|-----------------|---------------|------|------|-----|----|----|-----|-----|-----|
| 960305100800100 | 8420609307492 | MF8 | 1 | 90 | 12 | 6 | 374 | 1 | 1 |
| 960305101000100 | 8420609307546 | MF10 | 1 | 90 | 12 | 7 | 374 | 1 | 1 |
| 960305101000125 | 8420609307553 | MF10 | 1.25 | 100 | 14 | 7 | 374 | 1 | 1 |
| 960305101200100 | 8420609307607 | MF12 | 1 | 100 | 14 | 9 | 374 | 1 | 1 |
| 960305101200125 | 8420609307614 | MF12 | 1.25 | 100 | 14 | 9 | 374 | 1 | 1 |
| 960305101200150 | 8420609307621 | MF12 | 1.5 | 100 | 14 | 9 | 374 | 1 | 1 |
| 960305101400100 | 8420609307669 | MF14 | 1 | 100 | 16 | 11 | 374 | 1 | 1 |
| 960305101400125 | 8420609307676 | MF14 | 1.25 | 100 | 16 | 11 | 374 | 1 | 1 |
| 960305101400150 | 8420609307683 | MF14 | 1.5 | 100 | 18 | 11 | 374 | 1 | 1 |
| 960305101600150 | 8420609307751 | MF16 | 1.5 | 110 | 18 | 12 | 374 | 1 | 1 |
| 960305101800150 | 8420609307799 | MF18 | 1.5 | 110 | 18 | 14 | 374 | 1 | 1 |
| 960305102000150 | 8420609307836 | MF20 | 1.5 | 125 | 18 | 16 | 374 | 1 | 1 |
| 960305102200150 | 8420609307874 | MF22 | 1.5 | 125 | 18 | 18 | 374 | 1 | 1 |
| 960305102400150 | 8420609307911 | MF24 | 1.5 | 140 | 18 | 18 | 374 | 1 | 1 |
| 960305103000150 | 8420609308024 | MF30 | 1.5 | 150 | 22 | 22 | 374 | 1 | 1 |
| 960305103000200 | 8420609308031 | MF30 | 2 | 150 | 22 | 22 | 374 | 1 | 1 |



Conditions de Coupe. Werkomstandigheden. Schnittbedingungen. Cutting conditions. Condiciones de corte. Condizioni d'impiego.

Tarauds. Draadsnijtappen. Gewindebohrer. Taps. Machos. Maschio.

Vc (M/min) Revêtement / coating = Vc + 20 => 50%



| | | | | | | |
|----------|--|-------|-------|-------|-------|-------|
| A | <p>Aciers non alliés / faiblement alliés Niet-of licht gelegeerd Staal Unligierte oder schwachlegierte unalloyed & low alloyed steels Aceros de construcción o aceros poco aleados Acciai non legati o poco legati <400N/mm²</p> | 25-30 | 18-20 | 18-20 | 15-18 | 15-18 |
| B | <p>Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstähle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico < 700 N/mm²</p> | 20-30 | 15-18 | 15-18 | 15-18 | 20-25 |
| C | <p>Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstähle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico < 950 N/mm²</p> | | 6-8 | 6-8 | 6-8 | 5-8 |
| D | <p>Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstähle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico < 1200 N/mm²</p> | | 4-6 | 4-6 | 4-6 | 2-5 |
| E | <p>Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstähle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico < 1400 N/mm²</p> | | | 3-5 | | 3-5 |
| F | <p>Aciers inoxydables, ferritiques Roestvrij ferrietaal Rostfreies Stähle, ferritisch Stainless Steels, Ferritic Aceros inoxidables, ferríticos Acciai inossidabili, ferritici</p> | 10-20 | | 6-8 | | 6-8 |
| G | <p>Aciers inoxydables, Martensitiques Roestvrij Martensietstaal Rostfreies Stähle, Martensitisch Stainless Steels, Martensitic Aceros inoxidables, Martensíticos Acciai inossidabili, Martensitici</p> | | | 4-6 | | 4-6 |
| H | <p>Aciers inoxydables, Austénitiques Roestvrij Austenietstaal Rostfreies Stähle, Austenitisch Stainless Steels, Austenitic Aceros inoxidables, Austeníticos Acciai inossidabili, Austenitici</p> | | | 5-7 | | 5-7 |
| I | <p>Fontes grises Graw gietijzer Grauguss Cast Iron Fundición gris Ghisa grigia</p> | | 15-20 | | | |

Conditions de Coupe. Werkomstandigheden. Schnittbedingungen. **Cutting conditions.** Condiciones de corte. Condizioni d'impiego.

Tarauds. Draadsnijtappen. Gewindebohrer. Taps. Machos. Maschio.

Vc (M/min) Revêtement / coating = Vc + 20 => 50%



| | | | | | | |
|----------------------------|--|-------|-------|-------|-------|-------|
| J | Fontes GS Gietijzer SG SG Guss SG Iron Fundición gris con grafito laminar Ghisa a Grafite Sferoidale | | 10-15 | | | |
| K | Alliages d'aluminium gras Zuivere aluminiumlegeringen Rein aluminium Aluminium Forgings Aleaciones de aluminio Laminato (Al) | 30-40 | | 15-25 | | 15-25 |
| L | Alliages d'aluminium Aluminiumlegeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al Si < 10% | 12-20 | | 12-18 | | 12-18 |
| M | Alliages d'aluminium Aluminiumlegeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al Si > 10% | 12-20 | | 12-18 | | 12-18 |
| N | I aiton Messing Messing Brass Laton Ottonie | 25-30 | 18-20 | 18-20 | 15-18 | 15-18 |
| O | Bronze Brons Bronze Bronze Bronze Bronzo | | 5-10 | 5-10 | 5-10 | 4-8 |
| ARCO/ AR Ni | Aciers réfractaires base Co Ni Hittebestendige legeringen op basis van Co Ni Hitzebeständige Legierungen, Co Ni base Special Alloys based Co Ni Aleaciones refractarias, base Co Ni Leghe refrattarie, Co Ni base | | 2-4 | 2-4 | 2-4 | 2-4 |
| Ti | Alliages de Titane Titaanlegeringen Titaniegeringen Titan alloys Aleaciones de titanio Titanio | | | 3-5 | | 3-5 |