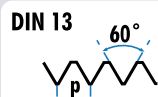
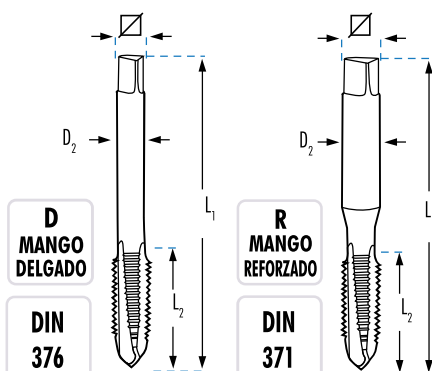
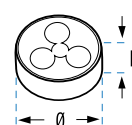








MACHOS DE MÁQUINA Y COJINETES SERIE *Plus* Y *Super Plus*TOL
6HPARA TRABAJOS DE ALTA PRODUCCIÓN
FABRICADOS EN ACERO SINTERIZADODIN
22568TOL
6gVc
14 m/minVc
16 m/minVc
17 m/minVc
20 m/minROSCA LAPEADA
Y ROMPEVIRUTAS*Plus**Plus* TiN*Plus* LUBE*Super Plus* ALTiN

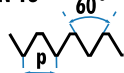
| <div><div>L1 x L2 x D2 x mm</div></div> | | | | M2RP | M4RP | M2RT | M4RT | M2RHL | M4RHL | M2RSP | M4RSP | <div>Ø x L3 mm</div> | CSP | | |
|--|-------|---|------------------------|------------------|------------|---|-------------|---|------------|---|------------|--------------------------|--------|---|-----------|
| | | | | ★★ | ★★ | ★★★ | ★★★ | ★★★★ | ★★★★ | ★★★ | ★★★ | | HSS | | |
| | | | | MATERIAL | HSS PM | HSS PM | HSSCo 5% | HSSCo 5% | HSS PM | HSS PM | HSS V3 | | | HSS V3 | |
| | | | | ACABADO | BRILLANTE | BRILLANTE | TiN | TiN | HARD LUBE | HARD LUBE | ALTiN | | | ALTiN | BRILLANTE |
| | | | | ÁNGULO DE HÉLICE | FORMA B |  35° | FORMA B |  35° | FORMA B |  35° | FORMA B | | |  41° | |
| € | € | € | € | € | € | € | € | € | € | € | | | | | |
| M 3x0,50 | 2,50 | R | 56 x 11 x 3,5 x 2,7 | 17,59 | 21,74 | 23,68 | 26,17 | 31,71 | 34,32 | 42,61 | 44,59 | 25 x 9 | 32,36 | | |
| M 4x0,70 | 3,30 | R | 63 x 13 x 4,5 x 3,4 | 17,97 | 21,74 | 24,06 | 27,29 | 32,19 | 34,80 | 42,61 | 44,59 | 25 x 9 | 32,36 | | |
| M 5x0,80 | 4,20 | R | 70 x 16 x 6,0 x 4,9 | 17,97 | 20,83 | 24,06 | 27,29 | 32,19 | 34,80 | 45,00 | 46,25 | 25 x 9 | 32,36 | | |
| M 6x1,00 | 5,00 | R | 80 x 17 x 6,0 x 4,9 | 19,76 | 22,88 | 27,70 | 30,00 | 35,34 | 36,84 | 45,00 | 46,25 | 25 x 9 | 32,36 | | |
| M 8x1,00 | 7,00 | D | 90 x 20 x 6,0 x 4,9 | 28,20 | 33,46 | 39,71 | 44,19 | 53,61 | 59,67 | | | 25 x 9 | 45,13 | | |
| M 8x1,25 | 6,80 | R | 90 x 20 x 8,0 x 6,2 | 23,13 | 26,58 | 32,38 | 35,22 | 44,94 | 46,88 | 57,13 | 60,88 | 25 x 9 | 35,10 | | |
| M 10x1,00 | 9,00 | D | 90 x 16 x 7,0 x 5,5 | 31,44 | 39,42 | 46,39 | 53,26 | 62,60 | 73,96 | | | 30 x 10 | 55,16 | | |
| M 10x1,50 | 8,50 | R | 100 x 22 x 10,0 x 8,0 | 27,22 | 30,94 | 38,14 | 41,76 | 55,73 | 58,34 | 68,08 | 72,63 | 30 x 10 | 48,27 | | |
| MANGO DELGADO | | | | M2DP | M4DP | M2DT | M4DT | M2DHL | M4DHL | M2DSP | M4DSP | | | | |
| M 12x1,50 | 10,50 | D | 100 x 22 x 9,0 x 7,0 | 37,30 | 45,09 | 50,24 | 56,56 | 67,52 | 77,44 | | | 38 x 10 | 57,34 | | |
| M 12x1,75 | 10,20 | D | 110 x 24 x 9,0 x 7,0 | 35,08 | 41,66 | 47,02 | 53,01 | 58,83 | 70,61 | 85,66 | 92,93 | 38 x 14 | 50,63 | | |
| M 14x1,50 | 12,50 | D | 100 x 22 x 11,0 x 9,0 | 44,19 | 55,42 | 59,08 | 65,26 | 79,41 | 91,07 | | | 38 x 10 | 59,94 | | |
| M 14x2,00 | 12,00 | D | 110 x 26 x 11,0 x 9,0 | 43,86 | 50,84 | 58,02 | 63,79 | 80,25 | 88,21 | 87,45 | 117,75 | 38 x 14 | 51,61 | | |
| M 16x1,50 | 14,50 | D | 100 x 22 x 12,0 x 9,0 | 55,28 | 68,16 | 71,01 | 81,19 | 78,41 | 91,53 | | | 45 x 14 | 82,34 | | |
| M 16x2,00 | 14,00 | D | 110 x 27 x 12,0 x 9,0 | 51,58 | 61,45 | 66,24 | 73,23 | 91,62 | 101,26 | 119,37 | 126,99 | 45 x 18 | 69,33 | | |
| M 18x2,50 | 15,50 | D | 125 x 30 x 14,0 x 11,0 | 73,11 | 82,59 | 90,46 | 98,69 | 129,43 | 137,52 | 177,19 | 191,70 | 45 x 18 | 69,33 | | |
| M 20x2,50 | 17,50 | D | 140 x 32 x 16,0 x 12,0 | 78,99 | 88,04 | 103,10 | 111,07 | 135,99 | 154,83 | 188,84 | 199,61 | 45 x 18 | 69,33 | | |
| M 22x2,50 | 19,50 | D | 140 x 32 x 18,0 x 14,5 | 95,56 | 108,64 | 116,52 | 124,72 | 159,50 | 174,05 | | | 55 x 22 | 103,06 | | |
| M 24x3,00 | 21,00 | D | 160 x 34 x 18,0 x 14,5 | 113,62 | 130,06 | 131,29 | 142,66 | 179,72 | 199,07 | | | 55 x 22 | 103,06 | | |

MACHOS DE MÁQUINA PARA TRABAJOS ESPECIALES HSS-PM

INOX

M

DIN 13

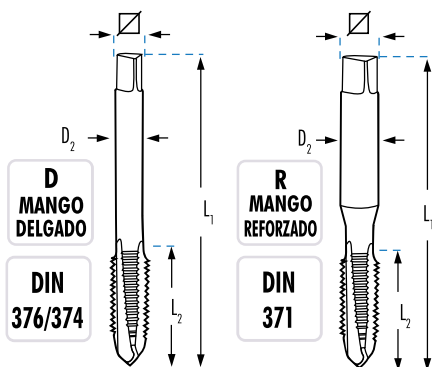








TOL
6H

Vc
6 m/min

Vc
10 m/min

Vc
12 m/min



| | | | | M2RX | M4RX | M2RXT | M4RXT | M2RXHL | M4RXHL |
|--|---|---|---|---------|---|----------|---|-----------|---|
| CALIDAD | | | | ★★ | ★★ | ★★★ | ★★★ | ★★★★ | ★★★★ |
| MATERIAL | | | | HSS PM | HSS PM | HSSCo 5% | HSSCo 5% | HSS PM | HSS PM |
| ACABADO | | | | OX | OX | TiN | TiN | HARD LUBE | HARD LUBE |
| ÁNGULO DE HÉLICE | | | | FORMA B |  35° | FORMA B |  35° | FORMA B |  35° |
|  |  | | L ₁ x L ₂ x D ₂ x  mm | € | € | € | € | € | € |
| M 3x0,50 | 2,50 | R | 56 x 11 x 3,5 x 2,7 | 21,02 | 24,98 | 24,28 | 27,47 | 32,11 | 37,76 |
| M 4x0,70 | 3,30 | R | 63 x 13 x 4,5 x 3,4 | 22,07 | 24,98 | 25,46 | 27,92 | 33,73 | 38,75 |
| M 5x0,80 | 4,20 | R | 70 x 16 x 6,0 x 4,9 | 22,07 | 25,17 | 25,46 | 28,34 | 33,73 | 39,33 |
| M 6x1,00 | 5,00 | R | 80 x 17 x 6,0 x 4,9 | 24,18 | 27,22 | 26,96 | 29,63 | 36,93 | 41,15 |
| M 8x1,00 | 7,00 | D | 90 x 20 x 6,0 x 4,9 | 39,04 | 42,78 | | | | |
| M 8x1,25 | 6,80 | R | 90 x 20 x 8,0 x 6,2 | 26,97 | 31,01 | 31,16 | 34,14 | 41,23 | 47,39 |
| M 10x1,00 | 9,00 | D | 90 x 16 x 7,0 x 5,5 | 40,24 | 42,96 | | | | |
| M 10x1,50 | 8,50 | R | 100 x 22 x 10,0 x 8,0 | 32,99 | 36,79 | 36,44 | 40,26 | 50,38 | 56,20 |
| MANGO DELGADO | | | | M2DX | M4DX | M2DXT | M4DXT | M2DXHL | M4DXHL |
| M 12x1,00 | 11,00 | D | 100 x 22 x 9,0 x 7,0 | 45,63 | 52,35 | | | | |
| M 12x1,50 | 10,50 | D | 100 x 22 x 9,0 x 7,0 | 46,32 | 54,77 | | | | |
| M 12x1,75 | 10,20 | D | 110 x 24 x 9,0 x 7,0 | 42,39 | 49,63 | 46,61 | 52,47 | 66,34 | 77,66 |
| M 14x2,00 | 12,00 | D | 110 x 26 x 11,0 x 9,0 | 60,34 | 69,12 | 60,72 | 65,64 | 88,15 | 97,61 |
| M 16x2,00 | 14,00 | D | 110 x 27 x 12,0 x 9,0 | 67,20 | 79,77 | 68,92 | 75,53 | 98,14 | 118,06 |
| M 18x2,50 | 15,50 | D | 125 x 30 x 14,0 x 11,0 | 100,63 | 113,51 | 103,90 | 107,81 | 157,49 | 167,97 |
| M 20x2,50 | 17,50 | D | 140 x 32 x 16,0 x 12,0 | 108,75 | 119,87 | 118,63 | 121,80 | 167,43 | 177,36 |
| M 22x2,50 | 19,50 | D | 140 x 32 x 18,0 x 14,5 | 130,49 | 137,88 | 147,26 | 159,44 | | |
| M 24x3,00 | 21,00 | D | 160 x 34 x 18,0 x 14,5 | 137,19 | 157,47 | 150,13 | 163,09 | | |
| M 27x3,00 | 24,00 | D | 160 x 36 x 20,0 x 16,0 | 179,71 | 206,27 | | | | |
| M 30x3,50 | 26,50 | D | 180 x 40 x 22,0 x 18,0 | 229,81 | 263,78 | | | | |



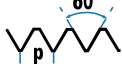
- Lubricación: **CUT MAGIC XTHICK**
- Se recomienda la aplicación del Aceite de corte CUT MAGIC XTHICK para optimizar el proceso de roscado en Inoxidables, Inconel, Titanio, Dúplex, etc...

Ref. ACXT00250

MACHOS *Super Plus* PARA EL ROSCADO DE ALEACIONES REFRACTARIAS

M

DIN 13

TOL
6HINOX
DUPLEX

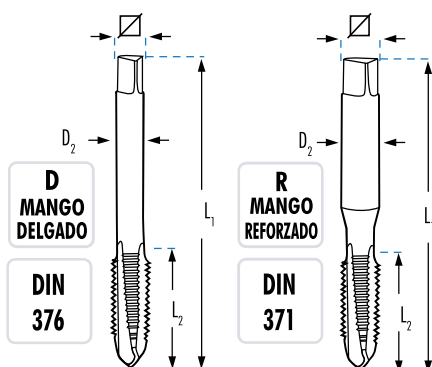
Ni

INC

Ti

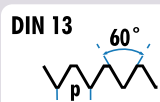
ESPECIALMENTE RECOMENDADOS
EN APLICACIONES AERONÁUTICASVc
15 m/minINOX
DUPLEXVc
6 m/minNICKEL
INCONELVc
6 m/min

TITANIO



| | | | M2RDU | M4RDU | M2RNI | M3RNI | M2RTIT | M3RTIT |
|------------------|-------|-------------------------------|---------|--------|-----------|-----------|---------|--------|
| CALIDAD | | | ★★★★ | ★★★★ | ★★★★ | ★★★★ | ★★★★ | ★★★★ |
| MATERIAL | | | HSS V3 | HSS V3 | HSS PM | HSS PM | HSS PM | HSS PM |
| ACABADO | | | TiCN | TiCN | BRILLANTE | BRILLANTE | OX | OX |
| ÁNGULO DE HÉLICE | | | FORMA B | 41° | FORMA B | 15° | FORMA B | 15° |
| | | L1 x L2 x D2 x ∇ mm | € | € | € | € | € | € |
| M 3x0,50 | 2,50 | R 56 x 11 x 3,5 x 2,7 | 43,21 | 44,26 | 80,27 | 82,03 | 59,60 | 65,78 |
| M 4x0,70 | 3,30 | R 63 x 13 x 4,5 x 3,4 | 43,21 | 44,53 | 82,03 | 84,25 | 61,46 | 65,78 |
| M 5x0,80 | 4,20 | R 70 x 16 x 6,0 x 4,9 | 44,66 | 45,53 | 84,92 | 86,93 | 63,01 | 70,07 |
| M 6x1,00 | 5,00 | R 80 x 17 x 6,0 x 4,9 | 45,89 | 46,86 | 85,59 | 88,01 | 63,01 | 71,04 |
| M 8x1,25 | 6,80 | R 90 x 20 x 8,0 x 6,2 | 64,09 | 66,82 | 96,73 | 99,30 | 72,81 | 82,03 |
| M 10x1,50 | 8,50 | R 100 x 22 x 10,0 x 8,0 | 83,07 | 85,23 | 114,92 | 118,44 | 90,17 | 98,85 |
| MANGO DELGADO | | | M2DDU | M4DDU | M2DNI | M3DNI | M2DTIT | M3DTIT |
| M 12x1,75 | 10,20 | D 110 x 24 x 9,0 x 7,0 | 112,30 | 121,26 | 147,82 | 163,44 | 113,17 | 122,81 |
| M 14x2,00 | 12,00 | D 110 x 26 x 11,0 x 9,0 | | | | | | |
| M 16x2,00 | 14,00 | D 110 x 27 x 12,0 x 9,0 | 165,14 | 176,59 | | | | |
| M 18x2,50 | 15,50 | D 125 x 30 x 14,0 x 11,0 | | | | | | |
| M 20x2,50 | 17,50 | D 140 x 32 x 16,0 x 12,0 | 244,53 | 264,13 | | | | |
| M 22x2,50 | 19,50 | D 140 x 32 x 18,0 x 14,5 | | | | | | |
| M 24x3,00 | 21,00 | D 160 x 34 x 18,0 x 14,5 | 331,21 | 336,89 | | | | |
| M 27x3,00 | 24,00 | D 160 x 36 x 20,0 x 16,0 | 425,51 | 446,03 | | | | |
| M 30x3,50 | 26,50 | D 180 x 40 x 22,0 x 18,0 | 502,54 | 525,85 | | | | |

MACHOS DE MÁQUINA PARA ACEROS ESTRUCTURALES SUPER BLANDOS < DE 450 N/mm²



HSSCo
5%

OX

TOL
6H

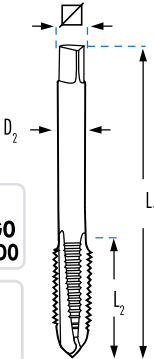
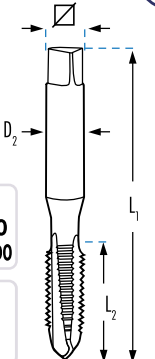

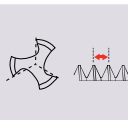

APLICACIONES



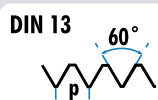
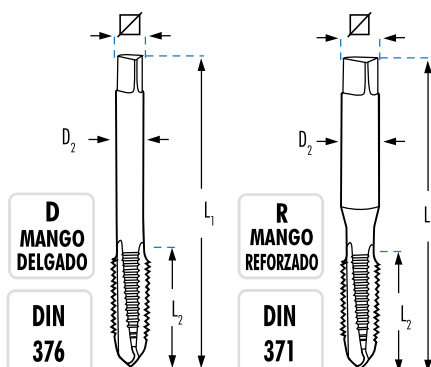
ST52

Al

Geometría de corte específica para materiales blandos, no genera SOBREMEDIDA y se ajusta perfectamente a este tipo de materiales donde los machos convencionales, pueden provocar agrandamientos a la hora de generar la rosca.

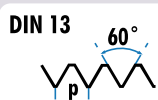
| | | | | | | | | | | | |
|--|--|--|--|---|--|---|--|--|--|--------|--|
|  | | | |  | | | |  | | | |
| | | | |  | |  | | | | | |
| | | | | FORMA B | | 35° | | | | | |
| | | | | € | | € | | | | | |
| M 3 x 0,50 | | | | 2,50 | | R 56 x 11 x 3,5 x 2,7 | | 14,97 | | 20,00 | |
| M 4 x 0,70 | | | | 3,30 | | R 63 x 13 x 4,5 x 3,4 | | 15,67 | | 20,01 | |
| M 5 x 0,80 | | | | 4,20 | | R 70 x 16 x 6,0 x 4,9 | | 15,69 | | 19,19 | |
| M 6 x 1,00 | | | | 5,00 | | R 80 x 17 x 6,0 x 4,9 | | 17,21 | | 21,04 | |
| M 8 x 1,25 | | | | 6,80 | | R 90 x 20 x 8,0 x 6,2 | | 19,31 | | 23,80 | |
| M 10 x 1,50 | | | | 8,50 | | R 100 x 22 x 10,0 x 8,0 | | 23,78 | | 28,19 | |
| MANGO DELGADO | | | | | | M2DSS | | M4DSS | | | |
| M 12 x 1,75 | | | | 10,20 | | D 110 x 24 x 9,0 x 7,0 | | 29,99 | | 36,31 | |
| M 14 x 2,00 | | | | 12,00 | | D 110 x 26 x 11,0 x 9,0 | | 44,28 | | 52,29 | |
| M 16 x 2,00 | | | | 14,00 | | D 110 x 27 x 12,0 x 9,0 | | 51,79 | | 63,17 | |
| M 18 x 2,50 | | | | 15,50 | | D 125 x 30 x 14,0 x 11,0 | | 73,77 | | 81,89 | |
| M 20 x 2,50 | | | | 17,50 | | D 140 x 32 x 16,0 x 12,0 | | 79,63 | | 90,78 | |
| M 22 x 2,50 | | | | 19,50 | | D 140 x 32 x 18,0 x 14,5 | | 95,59 | | 106,53 | |
| M 24 x 3,00 | | | | 21,00 | | D 160 x 34 x 18,0 x 14,5 | | 113,86 | | 129,49 | |
| M 27 x 3,00 | | | | 24,00 | | D 160 x 36 x 20,0 x 16,0 | | 142,41 | | 159,32 | |
| M 30 x 3,50 | | | | 26,50 | | D 180 x 40 x 22,0 x 18,0 | | 182,98 | | 204,17 | |

MACHOS DE MÁQUINA PARA TRABAJOS ESPECIALES HSS-V3

HSS
V3TOL
6HMATERIALES
DUROSVc
7 m/minVc
9 m/min

| | | | CALIDAD | M2RMD | M4RMD | M2RMDTX | M4RMDTX |
|---------------|---------|-------|--------------------------|---------|--------|---------|---------|
| | | | MATERIAL | ★★★ | ★★★ | ★★★★ | ★★★★ |
| | | | ACABADO | HSS V3 | HSS V3 | HSS V3 | HSS V3 |
| | | | ÁNGULO DE HÉLICE | OX | OX | TINALOX | TINALOX |
| | | | | FORMA B | 35° | FORMA B | 35° |
| | | | L1 x L2 x D2 x mm | € | € | € | € |
| M | 3x0,50 | 2,50 | R 56 x 11 x 3,5 x 2,7 | 18,45 | 20,20 | 27,06 | 31,82 |
| M | 4x0,70 | 3,30 | R 63 x 13 x 4,5 x 3,4 | 18,51 | 20,27 | 28,43 | 33,32 |
| M | 5x0,80 | 4,20 | R 70 x 16 x 6,0 x 4,9 | 18,51 | 21,26 | 28,43 | 33,32 |
| M | 6x1,00 | 5,00 | R 80 x 17 x 6,0 x 4,9 | 21,01 | 21,97 | 31,14 | 35,04 |
| M | 8x1,25 | 6,80 | R 90 x 20 x 8,0 x 6,2 | 22,45 | 25,92 | 34,76 | 39,95 |
| M | 10x1,50 | 8,50 | R 100 x 22 x 10,0 x 8,0 | 25,86 | 29,85 | 43,98 | 49,06 |
| MANGO DELGADO | | | | M2DMD | M4DMD | M2DMDTX | M4DMDTX |
| M | 12x1,75 | 10,20 | D 110 x 24 x 9,0 x 7,0 | 36,87 | 42,53 | 58,58 | 68,58 |
| M | 14x2,00 | 12,00 | D 110 x 26 x 11,0 x 9,0 | 48,36 | 50,48 | 83,35 | 91,52 |
| M | 16x2,00 | 14,00 | D 110 x 27 x 12,0 x 9,0 | 54,10 | 61,08 | 92,84 | 110,68 |
| M | 18x2,50 | 15,50 | D 125 x 30 x 14,0 x 11,0 | 80,66 | 86,89 | 136,50 | 154,58 |
| M | 20x2,50 | 17,50 | D 140 x 32 x 16,0 x 12,0 | 87,17 | 91,74 | 147,53 | 163,18 |

MACHOS DE MÁQUINA PARA MATERIALES TEMPLADOS (HARDOX 450/500)



TOL
6H

HSSE

HSS
PM

MD

MATERIALES
MUY
DUROS

48
HRc

48-62
HRc



MD

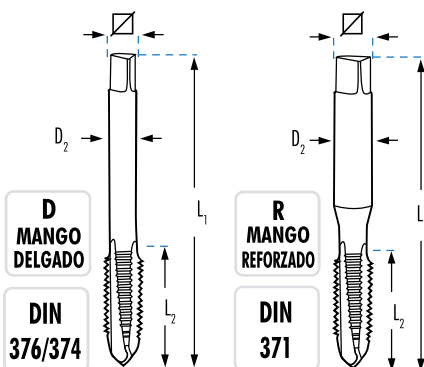
Vc
5 m/min











DIN 371 6H



Metal Duro



| | | | M2RC | M3RC | M2HRC | M4HRC | | M1RCM | | M1RHMC |
|--|---|---|---------|---|---------|---|---|----------|---|----------|
| MATERIAL | | | HSSE | HSSE | HSS PM | HSS PM | | HSS PM | | MD |
| ACABADO | | | TiAIN | TiAIN | TINALOX | TINALOX | | TiCN | | TiCN |
| FORMA | | | FORMA B |  15° | FORMA B |  35° | | FORMA C |  | FORMA C |
|  |  | L1 x L2 x D2 x  mm | € | € | € | € |  | € |  | € |
| M 3 x 0,50 | 2,50 | R 56 x 11 x 3,5 x 2,7 | 29,52 | 31,40 | 32,64 | 36,56 | 2,60 | 47,28 | 2,60 | 130,98 |
| M 4 x 0,70 | 3,30 | R 63 x 13 x 4,5 x 3,4 | 29,58 | 33,44 | 33,90 | 37,97 | 3,40 | 41,59 | 3,40 | 130,98 |
| M 5 x 0,80 | 4,20 | R 70 x 16 x 6,0 x 4,9 | 29,86 | 32,68 | 34,23 | 38,34 | 4,30 | 46,47 | 4,30 | 130,98 |
| M 6 x 1,00 | 5,00 | R 80 x 17 x 6,0 x 4,9 | 32,28 | 36,18 | 35,69 | 39,97 | 5,10 | 59,50 | 5,10 | 163,73 |
| M 8 x 1,25 | 6,80 | R 90 x 20 x 8,0 x 6,2 | 37,28 | 42,54 | 44,37 | 49,71 | 6,90 | 66,00 | 6,90 | 184,26 |
| M 10 x 1,50 | 8,50 | R 100 x 22 x 10,0 x 8,0 | 44,63 | 52,70 | 53,11 | 55,77 | 8,60 | 85,56 | 8,60 | 282,73 |
| MANGO DELGADO | | | M2DC | M3DC | M2HDC | M4HDC | | M1RCM | | M1DHMC |
| M 12 x 1,75 | 10,20 | D 110 x 24 x 9,0 x 7,0 | 66,74 | 79,22 | 81,07 | 88,38 | 10,40 | 113,20 * | 10,40 | 442,80 |
| M 14 x 2,00 | 12,00 | D 110 x 26 x 11,0 x 9,0 | 90,11 | 105,40 | 96,14 | 108,13 | 12,10 | 143,12 * | 12,10 | 510,23 |
| M 16 x 2,00 | 14,00 | D 110 x 27 x 12,0 x 9,0 | 101,67 | 121,07 | 106,89 | 123,95 | 14,10 | 153,09 * | 16,10 | 666,25 |
| M 18 x 2,50 | 15,50 | D 125 x 30 x 14,0 x 11,0 | 128,75 | 140,20 | 132,32 | 144,23 | | | 15,75 | 813,95 |
| M 20 x 2,50 | 17,50 | D 140 x 32 x 16,0 x 12,0 | 155,93 | 162,29 | 156,26 | 170,33 | | | 17,75 | 1.287,53 |
| M 22 x 2,50 | 19,50 | D 140 x 32 x 18,0 x 14,5 | 220,88 | 230,33 | | | | | | |
| M 24 x 3,00 | 21,00 | D 160 x 34 x 18,0 x 14,5 | 226,13 | 236,63 | 235,97 | 257,22 | | | | |
| M 27 x 3,00 | 24,00 | D 160 x 36 x 20,0 x 16,0 | 236,63 | 254,48 | | | | | | |
| M 30 x 3,50 | 26,50 | D 180 x 40 x 22,0 x 18,0 | 253,31 | 268,13 | | | | | | |

* Mango Reforzado: M12 - Ø 12 x 9
M14 - Ø 14 x 11
M16 - Ø 16 x 12

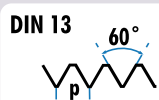


- Lubricación: **CUT MAGIC XTHICK**
- Se recomienda roscar la pieza sobre el mismo utillaje utilizado para el taladro previo y en la misma posición, para garantizar coaxialidad entre macho y orificio previo.

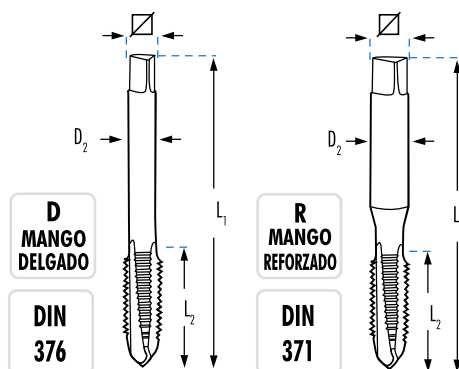
Ref. ACXT00250





| HRc | Vc (m/min) |
|--------|------------|
| 48 Hrc | 8 m/min |
| 56 Hrc | 6 m/min |
| 62 Hrc | 3 m/min |

MACHOS DE MÁQUINA TODO TERRENO

**TODO
TERRENO****HSSCo
5%****TiN****TOL
6H**

APLICACIONES

**1200
N/mm²**
Al**FUNDICIÓN****Ti****INOX**


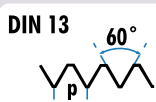
|  |  | L1 x L2 x D2 x  mm | M2RD | M4RD |
|---|--|--|--------------|---|
| | | | FORMA B € |  35° € |
| M 3 x 0,50 | 2,50 | R 56 x 11 x 3,5 x 2,7 | 27,71 | 34,64 |
| M 4 x 0,70 | 3,30 | R 63 x 13 x 4,5 x 3,4 | 29,65 | 34,64 |
| M 5 x 0,80 | 4,20 | R 70 x 16 x 6,0 x 4,9 | 31,54 | 35,88 |
| M 6 x 1,00 | 5,00 | R 80 x 17 x 6,0 x 4,9 | 32,64 | 37,24 |
| M 8 x 1,25 | 6,80 | R 90 x 20 x 8,0 x 6,2 | 38,24 | 42,49 |
| M 10 x 1,50 | 8,50 | R 100 x 22 x 10,0 x 8,0 | 44,12 | 50,34 |
| MANGO DELGADO | | | M2DD | M4DD |
| M 12 x 1,75 | 10,20 | D 110 x 24 x 9,0 x 7,0 | 55,60 | 66,19 |
| M 14 x 2,00 | 12,00 | D 110 x 26 x 11,0 x 9,0 | 72,61 | 79,79 |
| M 16 x 2,00 | 14,00 | D 110 x 27 x 12,0 x 9,0 | 81,36 | 88,06 |
| M 18 x 2,50 | 15,50 | D 125 x 30 x 14,0 x 11,0 | 127,14 | 130,38 |
| M 20 x 2,50 | 17,50 | D 140 x 32 x 16,0 x 12,0 | 129,51 | 134,36 |

MACHOS DE MÁQUINA PARA TRABAJOS ESPECIALES HSSCo

Al

FUNDICIÓN

LATÓN



HSSCo
5%

MD

TOL
6H

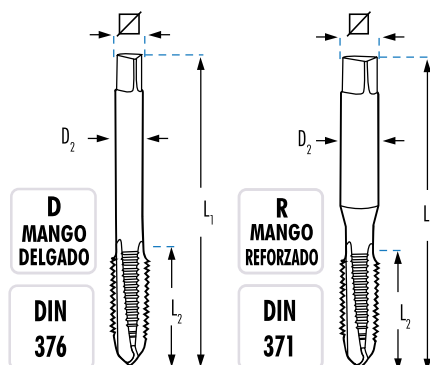
Vc
18 m/min

Vc
11 m/min

Vc
21 m/min

Vc
16 m/min

Vc
19 m/min



| APLICACIÓN | | | M5R | M6R | M1RFM | MHM1R | M1RL | M1RLCRN |
|-------------------|-------|--------------------------|----------------|-----------|-----------|-----------|-----------|----------|
| MATERIAL | | | Al | Al | FUNDICIÓN | FUNDICIÓN | LATÓN | LATÓN |
| ACABADO | | | HSSCo 5% | HSSCo 5% | HSSCo 5% | MD | HSSCo 5% | HSSCo 5% |
| FORMA | | | BRILLANTE | BRILLANTE | OX | BRILLANTE | BRILLANTE | CrN |
| FORMA | | | DIENTE ALTERNO | 2 CANALES | FORMA C | FORMA C | FORMA C | FORMA C |
| L1 x L2 x D2 x mm | | | € | € | € | € | € | € |
| M 3x0,50 | 2,50 | R 56 x 11 x 3,5 x 2,7 | 23,91 | 25,65 | 16,92 | 85,74 | 20,25 | 23,01 |
| M 4x0,70 | 3,30 | R 63 x 13 x 4,5 x 3,4 | 24,05 | 25,65 | 17,48 | 85,74 | 21,50 | 25,36 |
| M 5x0,80 | 4,20 | R 70 x 16 x 6,0 x 4,9 | 23,91 | 26,20 | 17,48 | 85,74 | 21,50 | 25,45 |
| M 6x1,00 | 5,00 | R 80 x 17 x 6,0 x 4,9 | 25,20 | 28,33 | 19,86 | 97,80 | 23,56 | 27,79 |
| M 8x1,25 | 6,80 | R 90 x 20 x 8,0 x 6,2 | 30,17 | 33,95 | 22,24 | 109,20 | 26,87 | 33,79 |
| M 10x1,50 | 8,50 | R 100 x 22 x 10,0 x 8,0 | 36,37 | 40,14 | 25,44 | 136,86 | 32,32 | 41,12 |
| MANGO DELGADO | | | M5D | M6D | M1DFM | MHM1D | M1DL | M1DLCRN |
| M 12x1,75 | 10,20 | D 110 x 24 x 9,0 x 7,0 | 46,23 | 50,45 | 32,60 | 190,92 | 38,42 | 50,63 |
| M 14x2,00 | 12,00 | D 110 x 26 x 11,0 x 9,0 | 83,72 | 87,13 | 53,59 | 297,42 | 47,17 | 61,70 |
| M 16x2,00 | 14,00 | D 110 x 27 x 12,0 x 9,0 | 91,25 | 98,81 | 63,05 | 353,84 | 54,26 | 68,99 |
| M 18x2,50 | 15,50 | D 125 x 30 x 14,0 x 11,0 | | | 88,20 | 433,74 | 71,17 | 87,37 |
| M 20x2,50 | 17,50 | D 140 x 32 x 16,0 x 12,0 | | | 88,55 | 525,24 | 79,88 | 97,27 |



- Lubricación: **CUT MAGIC ALUMINIO**
- Se recomienda la aplicación del Aceite de corte CUT MAGIC ALUMINIO para optimizar el proceso de roscado en Aluminio y sus fundiciones.

Ref. ACAL00250