

Tabla de recomendaciones de uso

DIAMETRO DEL AGUJERO A ROSCAR

| ١ | М | | |
|---|------------------|------------------|--------------------------------|
| | Medida y Paso | Diámet agujer | |
| | 1,7 x 0,35 | 1,36 | 1,30 |
| | 2 x 0,40 | 1,62 | 1,60 |
| | 2,3 x 0,40 | 1,92 | 1,90 |
| | 2,5 x 0,45 | 2,07 | 2,05 |
| | 2,6 x 0,45 | 2,17 | 2,20 |
| | 3 x 0,50 | 2,52 | 2,50 |
| | 3,5 x 0,60 | 2,92 | 2,90 |
| | 4 x 0,70 | 3,33 | 3,25 |
| | 4,5 x 0,75 | 3,78 | 3,75 |
| | 5 x 0,80 | 4,23 | 4,25 |
| | 6 x 1,00 | 5,04 | 5,00 |
| | 7 x 1,00 | 6,04 | 6,00 |
| 0 | 8 x 1,25 | 6,80 | 6,75 |
| | 9 x 1,25 | 7,80 | 7,75 |
| | 10 x 1,50 | 8,56 | 8,50 |
| | 11 x 1,50 | 9,56 | 9,50 |
| 8 | 12 x 1,75 | 10,32 | 10,25 |
| | 14 x 2,00 | 12,08 | 12,00 |
| | 16 x 2,00 | 14,08 | 14,00 |
| | 18 x 2,50 | 15,60 | 15,50 |
| 2 | 20 x 2,50 | 17,60 | 17,50 |
| | 22 x 2,50 | 19,60 | 19,50 |
| | 24 x 3,00 | 21,12 | 21,00 |
| | 27 x 3,00 | 24,12 | 24,00 |
| | 30 × 3,50 | 26,64 | 26,50 |
| | 33 × 3,50 | 29,64 | 29,50 |
| | 36 × 4,00 | 32,16 | 32,00 |
| | 39 × 4,00 | 35,16 | 35,00 |
| | 42 × 4,50 | 37,68 | 37.50 |
| | 45 × 4,50 | 40,68 | 40,50 |
| | 48 × 5,00 | 43,20 | 43,00 |
| | 52 × 5,00 | 47,20 | 47,00 |
| ı | MF | | |
| | 2 x 0,25 | 1,76 | 1,75 |
| | 2,6 x 0,35 | 2,26 | 2,25 |
| | 3 x 0,35 | 2,66 | 2,65 |
| | 4 x 0,50 | 3,52 | 3,50 |
| | 5 x 0,50 | 4,52 | 4,50 |
| | 6 x 0,50 | 5,52 | 5,50 |
| | 6 x 0,75 | 5,28 | 5,25 |
| | 7 x 0,75 | 6,28 | 6,25 |
| | 8 x 0,75 | 7,28 | 7,25 |
| | 8 x 1,00 | 7,04 | 7,00 |
| | 9 x 1,00 | 8,04 | 8,00 |
| | 10 x 1,00 | 9,04 | 9,00 |
| | 10 x 1,25 | 8,80 | 8,75 |
| | 11 x 1,00 | 10,04 | 10,00 |
| | 12 x 1,00 | 11,04 | 11,00 |
| | 12 x 1,25 | 10,80 | 10,75 |
| | 12 × 1,50 | 10,56 | 10,50 |
| | 14 × 1,00 | 13,04 | 13,00 |
| | 14 × 1,25 | 12,80 | 12,75 |
| | 14 × 1,50 | 12,56 | 12,50 |
| | 16 × 1,00 | 15,04 | 15,00 |
| | 16 × 1,50 | 14,56 | 14,50 |
| | 18 × 1,00 | 17,04 | 17,00 |
| | 18 × 1,50 | 16,56 | 16,50 |
| | 18 × 2,00 | 16,08 | 16,00 |
| | 20 × 1,00 | 19,04 | 19,00 |
| | 20 × 1,50 | 18,56 | 18,50 |
| | 20 × 2,00 | 18,08 | 18,00 |
| | 22 × 1,50 | 20,56 | 20,50 |
| | 22 × 2,00 | 20,08 | 20,00 |
| | 24 × 1,50 | 22,56 | 22,50 |
| | 24 × 2,00 | 22,08 | 22,00 |
| | 27 × 1,50 | 25,56 | 25,50 |
| | 27 × 2,00 | 25,08 | 25,00 |
| | 30 × 1,50 | 28,56 | 28,50 |
| | 30 × 2,00 | 28,08 | 28,00 |
| | BSW | | |
| | Medida y Paso | mm ag | metro Diámetro gujero broca |
| | 1/16 × 60 | 0,423 | 1,18 1,20 |
| | 3/32 × 48 | 0,529 | 1,87 1,90 |
| | 1/8 × 40 | 0,635 | 2,57 2,50 |
| | 5/32 × 32 | 0,793 | 3,21 3,25 |
| | 3/16 × 24 | 1,058 | 3,75 3,75 |
| | 7/32 × 24 | 1,058 | 4,54 4,50 |
| | 1/4 × 20 | 1,270 | 5,13 5,25 |
| | 5/16 × 18 | 1,411 | 6,58 6,50 |
| | 3/8 x 16 | 1,587 | 8,00 8,00 |
| | 7/16 x 14 | 1,814 | 9,37 9,50 |
| | 1/2 x 12 | 2,116 1 | 0,67 10,50 |
| | 9/16 x 12 | 2,116 1 | 2,26 12,00 |
| | 5/8 x 11 | - 75 | 3.66 13.50 |

| BSF | | | |
|--|----------------------------------|----------------------------------|----------------------------------|
| Medida y Paso | Paso mm | Diámetro agujero | Diámetro broca |
| 3/16 x 32 7/32 x 28 | 0,793 | 4,00 4,68 | 4,00 4,75 |
| 1/4 x 26 5/16 x 22 | 0,976 1,154 | 5,41 6,83 | 5,50 6,75 |
| 3/8 x 20 7/16 x 18 | 1,270 1,411 | 8,31 9,76 | 8,25 9,75 |
| 1/2 x 16 9/16 x 16 | 1,587 1,587 | 11,18 12,76 | 11,00 12,75 |
| 5/8 x 14 11/16 x 14 | 1,814 1,814 | 14,13 15,72 | 14,00 15,75 17,00 |
| 3/4 x 12 7/8 x 11 | 2,116 2.309 | 17,02 20,01 | 20,00 |
| 1 x 10 | 2,540 | 22,96 | 23,00 |
| 1/2 x 18 | 1,411 | 11 35 | 11 50 |
| 5/8 x 18 3/4 x 16 7/8 x 16 | 1,411 1,587 1,587 | 11,35 14,52 17,53 20,70 | 11,50 14,50 17,50 20,75 |
| 1 x 16 1 1/4 x 16 | 1,587 1,587 | 23,88 | 24,00 30,25 |
| 1 ^{1/2} x 14 2 x 14 | 1,814 1,814 | 30,23 36,36 49,06 | 36,50 49,00 |
| BG | | | |
| 5/16 x 26 3/8 x 26 | 0,976 0,976 0,976 | 7,00 8,59 10,18 | 7,00 8,50 10,25 |
| 7/16 x 26 1/2 x 26 | 0,976 0,976 | 11,/6 | 10,25 11,75 |
| 9/16 x 26 5/8 x 26 | 0,976 0,976 0,976 | 13,35 14,93 | 13,50 15,00 |
| 3/4 x 26 7/8 x 26 | 0,976 0,976 | 14,93 18,11 21,29 | 15,00 18,25 21,25 |
| 1 x 26 | 0,976 | 24,46 | 24,50 |
| NC-UNC | | | |
| N° 3 x 48 N° 4 x 40 N° 5 x 40 N° 6 x 32 | 0,529 0,635 0,635 0,793 | 2,01 2,24 2,57 2,74 | 2,00 2,25 2,50 2,75 |
| N° 8 x 32 N° 10 x 24 | 0,793 1,058 | 3,41 3,81 | 3,50 3,75 |
| Nº 12 x 24 1/4 x 20 | 1,058 | 4,47 5,13 | 4,50 5,10 |
| 5/16 x 18 3/8 x 16 | 1,411 1,587 | 6,58 8,00 | 6,50 8,00 |
| 7/16 x 14 1/2 x 13 | 1,814 1,953 | 9,37 10,82 | 9,50 10,75 |
| 9/16 x 12 5/8 x 11 | 2,116 2,309 | 12,26 13,66 | 12,25 13,50 |
| 3/4 x 10 7/8 x 9 | 2,540 2,822 | 16,61 19,52 | 13,50 16,50 19,50 |
| 1 x 8 1 1/8 x 7 | 3,175 3,628 | 22,35 | 22,50 25,00 |
| 1 1/4 x 7 1 3/8 x 6 | 3,628 4,233 | 28,27 30,86 | 28,00 30,75 |
| 1 ^{1/2} x 6 | 4,233 | 34,04 | 34,00 |
| NF-UNF | | | |
| N° 3 x 56 N° 4 x 48 N° 5 x 44 N° 6 x 40 | 0,453 0,529 0,577 0,635 | 2,08 2.34 2,62 2,90 | 2,10 2,30 2,75 2,90 |
| Nº 8 x 36 | 0,705 0,793 | 3,49 4,06 | 3,50 4,00 |
| 1/4 x 28 | 0,907 | 4,62 5,48 | 4,50 5,50 |
| 5/16 x 24 3/8 x 24 7/16 x 20 1/2 x 20 | 1,058 1,058 1,270 1,270 | 6,92 8,51 9,89 11,48 | 7,00 8,50 10,00 11,50 |
| 9/16 x 18 5/8 x 18 | 1,411 | 12 93 | 13.00 |
| 3/4 x 16 7/8 x 14 | 1,411 1,587 1,814 | 14,51 17,53 20,48 | 14,50 17,50 20,50 |
| 1 x 12 | 2,116 2,116 | 23 37 | 23,50 |
| 1 1/4 x 12 1 3/8 x 12 | 2,116 2,116 | 26,54 29,72 32,89 | 26,50 29,75 33,00 |
| 1 1/2 x 12 | 2,116 | 36,07 | 36,00 |
| | | | |

FORMULAS QUE DETERMINAN EL DIAMETRO DEL AGUJERO

Para 90% de altura teórica
Rosca BSP: Ø exterior básico del macho - (1.15 x paso)
Rosca NPS: Ø exterior básico del macho - (1.44 x paso)
Rosca BSPT: Ø exterior básico del macho - (1.41 x paso)
Rosca NPT: Ø exterior básico del macho - (1.76 x paso)
Para 75% de altura teórica
Ø exterior básico del macho - (0.96 x paso)

RECOMENDACIONES PARA EL ROSCADO CON MACHOS CONICOS
Para el roscado con machos cónicos (BSPT, NPT, etc.), se aconseja maquinar el orificio con un escariador cónico apropiado.



| Medida | Pg | | | |
|--|---|----------------------------------|-------------------------|----------------------------------|
| Pg 7 1,27 11,43 11,40 Pg 11, 41 17,41 17,25 Pg 11, 41 17,41 17,25 Pg 11, 41 17,41 17,25 Pg 13,5 1,41 19,21 19,00 Pg 16 1,41 21,31 21,25 Pg 27 1,588 27,03 26,75 Pg 26 1,588 45,73 35,50 Pg 36 1,588 45,73 35,50 Pg 42 1,588 58,03 58,00 BSP 1/8 x 28 0,907 8,68 8,75 1/2 x 11 2,309 26,75 1/2 x 11 1,814 18,4 1/3 x 11 2,309 35,24 35,50 1/3 x 11 2,309 41,66 41,75 1/3 x 11 2,309 35,24 35,50 1/3 x 11 2,309 45,15 45,25 1/3 x 11 2,309 56,96 57,00 NPS 1/8 x 27 0,940 8,92 8,90 1/4 x 18 1,411 11,54 11,50 1/2 x 11 2,309 56,96 57,00 NPS 1/8 x 27 0,940 8,92 8,90 1/4 x 18 1,411 11,54 11,50 1/4 x 11 2,309 35,24 35,50 1/4 x 11 2,309 36,96 57,00 NPS 1/8 x 27 0,940 8,92 8,90 1/4 x 18 1,411 11,54 11,50 1/4 x 11 2,309 36,96 57,00 NPS 1/8 x 27 0,940 8,92 8,90 1/4 x 18 1,411 11,54 11,50 1/4 x 11 2,309 36,96 57,00 NPS 1/8 x 27 0,940 8,92 8,90 1/4 x 18 1,411 11,54 11,50 1/4 x 11 2,309 36,96 57,00 NPS 1/8 x 27 0,940 8,92 8,90 1/4 x 18 1,411 11,54 11,50 1/4 x 11 1/2 2,208 30,05 30,00 1/4 x 18 1,411 11,54 11,50 1/4 x 11 1/2 2,208 30,05 30,00 1/4 x 18 1,411 11,54 11,50 1/4 x 11 1/2 2,208 30,05 30,00 1/4 x 11 1,814 18,61 18,50 1/4 x 11 1/2 2,208 30,05 30,00 1/4 x 11 1,814 18,61 18,50 1/4 x 11 1/2 2,208 30,05 30,00 1/4 x 11 1,814 18,61 18,50 1/4 x 11 1/2 2,208 30,05 30,00 1/4 x 11 1,814 18,61 18,50 1/4 x 11 1/2 2,208 30,05 30,00 1/4 x 11 1,814 18,40 18,50 18,50 1/4 x 11 1,2309 34,44 1/4 x 19 1,337 14,77 14,50 1/4 x 11 2,309 34,74 34,50 1/4 x 11 1,2309 34,50 1/4 x 11 1,2309 34,50 1/4 x 11 1,309 33,62 | Medida | | Diámetro agujero | Diámetro broca |
| Pg | Pg 7 Pg 9 Pg 11 | 1,27 1,41 1,41 | 11,43 14,01 17,41 | 14,00 17,25 |
| Pg 42 1,588 58,03 58,00 BSP 1/8 x 28 0,907 8,68 8,75 1/4 x 19 1,337 11,62 11,75 3/8 x 19 1,337 11,62 11,75 3/8 x 14 1,814 18,87 19,00 5/8 x 14 1,814 20,82 21,00 3/4 x 14 1,814 20,82 21,00 3/4 x 14 1,814 24,35 24,50 7/8 x 14 1,814 24,35 24,50 7/8 x 14 1,814 24,35 24,50 1 x 11 2,309 30,59 30,75 1 x 11 2,309 35,94 35,50 1 x 11 2,309 35,24 35,50 1 x 11 2,309 34,66 41,75 1 x 11 2,309 34,66 41,75 1 x 11 2,309 44,66 41,75 1 x 11 2,309 45,16 45,75 1 x 11 2,309 56,96 57,00 NPS 1/8 x 27 0,940 8,92 5,96 57,00 NPS 1/8 x 27 0,940 8,92 1,815 1,50 3/4 x 14 1,814 11,50 11,50 3/4 x 18 1,411 11,50 11,20 1/2 x 11 1/2 2,208 38,81 39,00 1/2 x 11 1/2 2,208 38,81 39,00 1/2 x 111/2 2,208 38,81 39,00 1/2 x 111/2 2,208 38,81 39,00 1/2 x 111/2 2,208 38,81 39,00 1/2 x 11 3,337 11,77 11,00 3/8 x 19 1,337 11,77 11,00 3/8 x 19 1,337 11,77 11,50 3/8 x 19 1,337 11,77 11,50 3/8 x 14 1,814 18,10 18,50 5/8 x 14 1,814 23,68 23,50 7/8 x 14 1,814 11,50 11,50 1/2 x 11 2,309 34,74 34,50 1/2 x 11 2,309 36,35 56,00 NPT (s/escariador) NPT (s/escariador) 1/8 x 27 0,940 8,90 38,00 1/8 x 27 0,940 8,90 38,00 1/1/2 x 11 1,20 309 33,62 35,00 1/1/2 x | Pg 21 Pg 29 | 1,41 1,588 1,588 1,588 | 27,03 35,73 | 26,75 35,50 |
| 1/8 × 28 0,907 8,68 8,75 1/4 × 19 1,337 11,62 11,75 1/2 × 14 1,814 18,87 19,00 5/8 × 14 1,814 20,82 21,00 3/4 × 14 1,814 24,15 24,55 7/8 × 14 1,814 28,11 28,25 1 × 11 2,309 30,59 30,75 11/8 × 11 2,309 35,24 35,50 11/8 × 11 2,309 35,24 35,50 11/8 × 11 2,309 35,25 39,50 13/8 × 11 2,309 35,25 39,50 13/8 × 11 2,309 35,25 39,50 13/8 × 11 2,309 41,66 41,75 13/4 × 11 2,309 56,96 57,00 NPS 1/8 × 27 0,940 8,92 8,90 1/4 × 18 1,411 11,54 11,50 3/8 × 18 1,411 11,54 18,61 18,50 3/4 × 14 1,814 18,61 18,61 18,50 3/4 × 14 1,814 18,61 18,61 18,50 3/4 × 14 1,814 18,61 18,50 11/2 × 11 1/2 2,208 30,85 30,00 11/2 × 11 1/2 2,208 34,87 45,00 2 × 11 1/2 2,208 44,67 45,00 BSPT (s/escariador) 1/8 × 28 0,907 8,45 8,45 14,50 1/8 × 14 1,814 18,20 18,50 1/8 × 14 1,814 18,20 18,50 1/8 × 14 1,814 18,20 18,50 1/8 × 14 1,814 18,20 18,50 1/8 × 14 1,814 18,20 18,50 1/8 × 14 1,814 18,20 18,50 1/8 × 11 2,309 34,74 14,50 1/8 × 11 2,309 34,74 34,50 1/8 × 11 2,309 34,74 34,50 1/8 × 11 2,309 34,74 34,50 1/8 × 11 2,309 34,74 34,50 1/8 × 11 2,309 34,74 34,50 1/8 × 11 2,309 44,54 44,50 1/8 × 11 2,309 44,54 44,50 1/8 × 11 2,309 44,54 44,50 1/8 × 11 2,309 44,56 44,66 1/8 × 11 2,309 38,75 38,50 1/8 × 18 1,411 11,84 19,66 11,06 | Pg 42 | 1,588 | 52,73 | 52,50 |
| 1/4 × 19 1,337 11,62 11,75 1/2 × 14 1,814 18,67 19,00 5/8 × 14 1,814 24,35 21,00 7/8 × 14 1,814 28,11 28,25 1/8 × 14 1,814 28,11 28,25 1/8 × 11 2,309 30,59 30,75 1/8 × 11 2,309 35,24 35,50 1/8 × 11 2,309 39,25 39,50 1/8 × 11 2,309 39,25 39,50 1/8 × 11 2,309 41,66 41,75 1/8 × 11 2,309 41,66 41,75 1/8 × 11 2,309 41,66 41,75 1/8 × 11 2,309 56,96 57,00 NPS 1/8 × 27 0,940 8,92 8,90 1/4 × 18 1,411 11,54 11,50 1/2 × 14 1,814 18,61 18,50 1/2 × 14 1,814 18,61 18,50 1/2 × 14 1,814 18,61 18,50 1/2 × 11 1/2 2,208 30,05 30,00 1/2 × 11 1/2 2,208 34,87 39,00 1/2 × 11/2 × 11/2 2,208 34,87 39,00 1/2 × 11/2 × 11/2 2,208 34,87 39,00 1/2 × 11/2 × 11/2 2,208 36,91 57,00 BSPT (s/escariador) 1/8 × 28 0,937 8,45 8,40 1/4 × 19 1,337 11,27 11,00 3/8 × 19 1,337 11,27 11,00 3/8 × 19 1,337 14,77 14,50 1/2 × 14 1,814 18,20 18,50 1/8 × 14 1,814 20,16 30,00 1/1/2 × 11 2,309 30,00 30,00 1/1/2 × 11 2,309 34,74 34,50 1/2 × 11 2,309 34,74 34,50 1/2 × 11 2,309 34,74 34,50 1/2 × 11 2,309 34,74 34,50 1/2 × 11 2,309 34,74 34,50 1/2 × 11 2,309 34,74 34,50 1/2 × 11 2,309 34,74 34,50 1/2 × 11 2,309 44,54 44,50 1/2 × 11 2,309 36,75 38,50 1/2 × 11 2,309 56,35 50,50 NPT (s/escariador) 1/8 × 27 0,940 8,61 8,60 1/4 × 18 1,814 11,814 11,80 11,00 1/2 × 11 1/2 2,208 38,00 38,00 1/2 × 11 2,309 56,35 50,50 NPT (s/escariador) Medida Paso d 2 d 3 1/8 × 28 0,907 8,00 8,61 1/4 × 11 1/2 2,208 38,00 38,00 1/4 × 14 1,814 23,37 23,50 1/4 × 11 1/2 2,208 38,00 38,00 1/4 × 11 1/2 2,208 38,00 38,00 1/4 × 11 1/2 2,208 38,00 38,00 1/4 × 11 1/2 2,208 38,00 38,00 1/4 × 11 1/2 2,208 38,00 38,00 1/4 × 11 1/2 2,208 38,00 38,00 1/4 × 11 1/2 3,309 33,52 35,00 NPT (c/escariador) NPT (c/escariador) 1/8 × 28 0,907 8,00 8,61 1/4 × 11 1/2 2,208 38,50 38,50 1/4 × 11 1,2309 39,00 30,00 1/4 × 11 1,2309 39,00 30,00 1/4 × 11 1,2309 39,00 30,00 1/4 × 11 1,2309 39,00 30,00 1/4 × 11 1,2309 39,00 30,00 1/4 × 11 1,2309 39,00 30,00 1/4 × 11 1,2309 39,00 30,00 1/4 × 11 1,2309 39,00 30,00 1/4 × 11 1/2 2,208 38,50 39,00 1/4 × 11 1/2 2,208 38,50 39,00 1/4 × 11 1/2 2,208 39,00 30,00 1/4 × 11 1 | BSP | | | |
| 1 x 11 2,309 30,59 30,75 11/8 x 11 2,309 35,24 35,50 13/8 x 11 2,309 35,25 39,50 13/8 x 11 2,309 35,25 39,50 11/2 x 11 2,309 41,66 41,75 11/2 x 11 2,309 56,96 NPS 1/8 x 27 0,940 8,92 1/4 x 18 1,411 11,54 11,50 1/2 x 14 1,814 18,61 18,50 1/2 x 14 1,814 18,61 18,50 1/2 x 14 1,814 18,61 18,50 1/2 x 14 1,814 23,96 1/4 x 11/2 2,208 30,05 30,00 1/1/2 x 11/2 2,208 38,81 39,00 1/1/2 x 11/2 2,208 36,81 39,00 1/1/2 x 11/2 2,208 56,91 DSPT (s/escariador) 1/8 x 28 0,907 8,45 1/3/8 x 14 1,814 23,68 23,50 1/3/8 x 11 2,309 34,74 34,50 1/3/4 x 11 2,309 34,74 34,50 1/3/8 x 11 2,309 34,64 1/4 x 18 1,411 14,56 1/4 x 11 1/2 2,208 38,50 1/4 x 11 1/2 2,208 38,50 1/4 x 11 1/2 2,208 38,50 1/4 x 11 1/2 3,30 33,62 3/4 x 14 1,814 19,62 2 x 11 1/2 2,208 34,50 3/4 x 14 1,814 19,62 2 20,65 5,50 5,67 NPT (c/escariador) | 1/4 x 19 3/8 x 19 1/2 x 14 | 1,337 | 11,62 15,12 | 11,75 15,25 |
| 11/4 | 1 x 11 | 1,814 1,814 2,309 | 24,35 28,11 30,59 | 30,75 |
| 1/8 | 1 1/4 × 11 1 3/8 × 11 1 1/2 × 11 | 2,309 2,309 2,309 2,309 | 39,25 41,66 45,15 | 35,50 39,50 41,75 45,25 |
| 1/8 x 27 0,940 8,92 8,90 1/4 x 18 1,411 11,54 11,50 3/8 x 18 1,411 11,50 3/8 x 18 1,411 11,50 1/2 x 14 1,814 18,61 18,50 3/4 x 14 1,814 23,96 24,00 1 x 11,1/2 2,208 38,81 39,00 1 x 11,1/2 x 11,1/2 2,208 44,87 45,00 2 x 11,1/2 2,208 56,91 57,00 BSPT (s/escariador) 1/8 x 28 0,907 8,45 8,40 1/4 x 19 1,337 11,27 11,00 3/8 x 19 1,337 14,77 14,50 1/2 x 14 1,814 18,20 18,50 1/2 x 14 1,814 23,68 23,50 7/8 x 14 1,814 23,68 23,50 7/8 x 14 1,814 27,48 27,50 1 x 11 2,309 30,00 30,00 1 x 11/8 x 11 2,309 34,74 34,50 1 x 11 2,309 34,74 34,50 1 x 11 2,309 44,54 44,50 1 x 11 2,309 44,54 44,50 1 x 11 2,309 56,35 56,00 NPT (s/escariador) NPT (s/escariador) NPT (s/escariador) NPT (s/escariador) 1/8 x 27 0,940 8,61 8,60 1/2 x 14 1,814 23,37 23,50 1 x 11 1/2 2,208 29,34 29,00 1 x 11/2 x 11 1/2 2,208 29,34 29,00 1 x 11/2 x 11 1/2 2,208 29,34 29,00 1 x 11/2 x 11 1/2 2,208 34,16 44,00 2 x 11 1/2 2,208 34,16 44,00 2 x 11 1/2 2,208 36,20 56,00 BSPT (c/escariador) Medida Paso d 2 d 3 1/8 x 28 0,907 8,00 8,61 1/4 x 11 1/2 2,208 34,16 44,00 2 x 11 1/2 2,208 34,16 44,00 2 x 11 1/2 2,208 36,20 56,00 BSPT (c/escariador) Medida Paso d 2 d 3 1/8 x 28 0,907 8,00 8,61 1/4 x 11 1/2 2,208 36,20 56,00 BSPT (c/escariador) Medida Paso d 2 d 3 1/8 x 28 0,907 8,00 8,61 1/4 x 11 1/2 2,208 36,20 56,00 BSPT (c/escariador) NPT (s/escariador) NPT (s/escariador) Medida Paso d 2 d 3 1/8 x 28 0,907 8,00 8,61 1/4 x 11 1/2 2,208 34,16 44,90 2 x 11 1/2 2,208 34,30 3,62 3/4 x 14 1,814 19,62 20,65 3/4 x 14 1,814 11,775 18,70 1/8 x 11 2,309 39,90 41,45 1/8 x 27 0,940 8,30 8,74 1/8 x 11 2,309 39,90 41,95 1/8 x 11 2,309 39,90 41,95 1/8 x 28 0,907 8,00 8,61 1/8 x 28 0, | | 2,309 2,309 | 51,09 56,96 | 51,00 57,00 |
| 1/4 x 18 1,411 11,54 11,50 11/2 x 14 1,814 18,61 18,50 11/2 x 14 1,814 18,61 18,50 11/2 x 111/1/2 2,208 30,05 30,00 11/4 x 111/1/2 2,208 38,81 39,00 11/2 x 111/1/2 2,208 44,87 45,00 2 x 111/1/2 2,208 44,87 45,00 2 x 111/1/2 2,208 56,91 57,00 BSPT (s/escariador) 1/8 x 28 0,907 8,45 8,40 11,50 11/8 x 11 2,309 30,00 30,00 11/8 x 11 2,309 44,54 44,50 11/8 x 11 2,309 44,54 44,50 11/8 x 11 2,309 44,54 44,50 11/8 x 11 2,309 56,35 56,00 NPT (s/escariador) 1/8 x 27 0,940 8,61 8,60 11/2 x 11 1/2 2,208 29,34 29,00 11/2 x 11 1/2 2,208 29,34 29,00 11/2 x 11 1/2 2,208 38,09 38,00 11/2 x 11 1/2 2,208 44,16 44,00 2 x 11 1/2 2,208 38,09 38,00 11/2 x 11 1/2 2,208 38,09 38,00 11/2 x 11 1/2 2,208 38,09 38,00 11/2 x 11 1/2 2,208 44,16 44,00 2 x 11 1/2 2,208 38,09 38,00 11/2 x 11 1/2 2,208 44,16 44,00 2 x 11 1/2 2,208 44,16 44,00 2 x 11 1/2 2,208 38,09 38,00 11/2 x 11 1/2 2,208 38,09 38,00 11/2 x 11 1/2 2,208 44,16 44,00 2 x 11 1/2 2,208 38,09 38,00 11/2 x 11 1/2 2,208 38,09 39,00 11/2 x 11 1/2 2,208 38,00 37,00 30,00 11/4 x 11 1/2 2,208 37,00 30,00 11/3 x 11 2,309 49,72 50,87 2/95 11 x 11 2,309 49,72 50,87 2/95 11 x 11 2,309 39,00 41,45 31 3/4 x 11 2,309 39,00 41,45 31 3/4 x 11 2,309 39,00 30 | | 0.040 | 0.00 | |
| 1 | 1/4 x 18 3/8 x 18 1/2 x 14 | 1,411 1,411 1,814 | 11,54 15,02 18,61 | 11,50 15,00 18,50 |
| 1/8 | 1 X 111/2 11/4 X 111/2 11/2 X 11 ^{1/2} | 2,208 | 30,05 38,81 | 30,00 39,00 |
| 1/8 × 28 0,907 8,45 1,17 11,00 3/8 × 19 1,337 11,27 14,50 1/2 × 14 1,814 18,20 18,50 5/8 × 14 1,814 20,16 20,00 3/4 × 14 1,814 27,48 27,50 1" × 11 2,309 30,00 30,00 1" × 11 2,309 34,74 34,50 1" × 11 2,309 34,75 38,50 1" × 11 2,309 44,54 44,50 1" × 11 2,309 56,35 56,00 NPT (s/escariador) 1/8 × 27 0,940 8,61 11,00 11,00 13/8 × 18 1,411 11,08 11,00 3/8 × 18 1,411 14,56 14,50 14,50 17/2 × 14 1,814 23,37 23,50 17/2 × 11 1/2 2,208 38,99 38,00 31,00 11/2 × 11 1/2 2,208 44,16 44,00 2 × 11 1/2 2,208 56,20 56,00 BSPT (c/escariador) Medida Paso d 2 d 3 1/8 × 28 0,907 8,00 38,00 11,50 3/8 × 19 1,337 10,80 11,50 3/8 × 19 1,337 10,80 11,50 3/8 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 19,62 20,65 3/4 × 14 1,814 17,75 18,70 1/2 × 14 1,814 19,62 20,65 3/4 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 14 1,814 17,75 18,70 1/2 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 2,309 37,50 39,03 3,74 1/4 × 11 1/2 2,208 38,50 39,03 38,45 11 1/1/2 × 11 1/2 2,208 38,50 39,00 38,45 11/4 × 11 1/2 2,208 37,00 38,45 11/4 × 11 1/2 2,208 37,00 38,45 11/4 × 11 1/2 | | 50.4.50.00 | | 57,00 |
| 1/2 x 14 | 1/8 x 28 | 0.907 | | 8,40 |
| 3/4 x 14 1,814 23,68 23,50 1 x 11 2,309 30,00 30,00 1 x 11 2,309 30,00 30,00 1 x 11 2,309 34,74 34,50 1 x 11 2,309 38,75 38,50 1 x 11 2,309 44,54 44,50 1 x 11 2,309 56,35 56,00 NPT (s/escariador) 1/8 x 27 0,940 8,61 11,00 11,10 11,1 | 1/4 x 19 3/8 x 19 1/2 x 14 | 1,337 1,337 1,814 | 14,77 18,20 | 11,00 14,50 18,50 |
| 131/4 | 3/4 x 14 7/8 x 14 1" x 11 | 1,814 1,814 2,309 | 23,68 27,48 30,00 | 23,50 27,50 30,00 |
| 2 | 1 ^{1/4} x 11 1 ^{3/8} x 11 1 ^{1/2} x 11 | 2,309 2,309 2,309 2,309 | 38,75 41,06 | 41,00 |
| 1/8 × 27 0,940 8,61 8,60 1/4 × 18 1,411 11,08 3/8 × 18 1,411 11,08 11,00 3/4 × 14 1,814 18,02 18,00 3/4 × 14 1,814 23,37 23,50 1 × 11 1/2 2,208 29,34 29,00 11/4 × 11 1/2 2,208 38,09 38,00 11/4 × 11 1/2 2,208 44,16 44,00 2 × 11 1/2 2,208 56,20 56,00 BSPT (c/escariador) Medida Paso d 2 d 3 1/8 × 28 0,907 8,00 8,61 1/4 × 19 1,337 10,80 11,50 3/8 × 19 1,337 10,80 11,50 3/8 × 19 1,337 14,25 15,01 1/2 × 14 1,814 17,75 18,70 5/8 × 14 1,814 17,75 18,70 5/8 × 14 1,814 23,30 24,19 7/8 × 14 1,814 26,55 27,95 1 × 11 2,309 33,62 35,02 11/8 × 11 2,309 33,62 35,02 11/8 × 11 2,309 37,50 39,03 11/12 × 11 2,309 37,50 39,03 11/12 × 11 2,309 37,50 39,03 13/8 × 11 2,309 43,50 44,93 13/14 × 11 2,309 43,50 44,93 13/14 × 11 2,309 43,50 44,93 13/14 × 11 2,309 55,00 56,74 2 × 11 2,309 70,00 72,31 3 × 11 2,309 83,52 85,05 NPT (c/escariador) 1/16 × 27 0,940 6,00 6,39 1/8 × 27 0,940 8,30 8,74 1/4 × 18 1,411 10,70 11,36 1/2 × 14 1,814 22,50 29,69 1/4 × 18 1,411 14,20 14,80 1/2 × 14 1,814 22,50 23,67 1 × 11 1/2 2,208 43,50 44,52 2 × 11 1/2 2,208 43,50 44,52 2 × 11 1/2 2,208 43,50 44,52 2 × 11 1/2 2,208 43,50 44,52 2 × 11 1/2 2,208 55,50 56,56 1/1/2 × 11 1/2 2,208 55,50 56,56 2/1/2 × 8 3,175 66,00 67,62 | | 2,309 2,309 | | 50,50 56,00 |
| 1/4 x 18 1,411 11,08 11,00 3/8 x 18 1,411 11,08 14,50 1/2 x 14 1,814 18,02 18,00 3/4 x 14 1,814 23,37 23,50 1 x 11 1/2 2,208 29,34 29,00 11/2 x 11 1/2 2,208 38,09 38,00 11/2 x 11 1/2 2,208 44,16 44,00 2 x 11 1/2 2,208 56,20 56,00 BSPT (c/escariador) Medida Paso d 2 d 3 1/8 x 28 0,907 8,00 8,61 1/4 x 19 1,337 10,80 11,50 3/8 x 19 1,337 10,80 11,50 1/2 x 14 1,814 17,75 18,70 5/8 x 14 1,814 17,75 18,70 5/8 x 14 1,814 23,00 24,19 1/8 x 14 1,814 26,55 27,95 1 x 11 2,309 39,00 30,00 11/8 x 11 2,309 37,50 39,00 11/8 x 11 2,309 47,72 2 x 11 2,309 43,50 44,93 13/4 x 11 2,309 55,00 56,74 2 x 11 2,309 83,52 85,05 NPT (c/escariador) 1/16 x 27 0,940 6,00 6,39 1/8 x 27 0,940 8,30 8,74 1/4 x 18 1,411 10,70 11,36 3/8 x 18 1,411 10,70 11,36 3/8 x 18 1,411 11,70 18,32 1/2 x 14 1,814 22,50 23,67 1 x 11 1/2 2,208 37,00 38,45 11/2 x 11 1/2 2,208 43,50 44,52 2 x 11 1/2 2,208 43,50 44,52 2 x 11 1/2 2,208 43,50 44,52 2 x 11 1/2 2,208 55,50 56,56 21/2 x 8 3,175 66,00 67,62 | | | -0.000 | |
| 1 | 1/4 x 18 3/8 x 18 | 1,411 | 11,08 14,56 | 11,00 14,50 |
| BSPT (c/escariador) Medida Paso d 2 d 3 1/8 × 28 0,907 8,00 11,50 3/8 × 19 1,337 10,80 11,50 1/2 × 14 1,814 17,75 18,70 5/8 × 14 1,814 23,00 24,19 7/8 × 14 1,814 23,00 24,19 7/8 × 14 1,814 23,00 24,19 7/8 × 14 1,814 23,00 30,00 11/8 × 11 2,309 33,62 35,02 11/4 × 11 2,309 37,50 39,03 13/8 × 11 2,309 37,50 39,03 13/8 × 11 2,309 37,50 39,03 13/8 × 11 2,309 37,50 39,03 13/8 × 11 2,309 44,49 11/2 × 11 2,309 49,72 50,87 2 1/2 × 11 2,309 49,72 50,87 2 1/2 × 11 2,309 55,00 56,74 2 1/2 × 11 2,309 83,52 85,05 NPT (c/escariador) 1/16 × 27 0,940 6,00 6,39 1/8 × 27 0,940 8,30 8,74 1/4 × 18 1,411 10,70 11,36 3/8 × 18 1,411 10,70 11,36 3/8 × 18 1,411 10,70 11,36 3/4 × 14 1,814 17,40 18,32 3/4 × 14 1,814 17,40 18,32 3/4 × 14 1,814 17,40 18,32 3/4 × 14 1,814 17,40 18,32 1/2 × 11 1/2 2,208 28,50 29,69 1/1/2 × 11 1/2 2,208 43,50 44,52 2 × 11 1/2 × 8 3,175 66,00 67,62 | 1 x 11 ^{1/2} 1 1/4 x 11 1/2 1 1/2 x 11 1/2 | 2,208 | 29,34 38,09 | 29,00 38,00 |
| Medida y Paso y Paso mm d 2 d 3 1/8 x 28 0,907 8,00 11,50 8,61 1/4 x 19 1,337 10,80 11,50 11,50 3/8 x 19 1,337 14,25 15,01 15,01 1/2 x 14 1,814 17,75 18,70 20,65 5/8 x 14 1,814 23,00 24,19 24,19 7/8 x 14 1,814 23,00 24,19 27,95 1 x 11 2,309 33,62 35,02 35,02 1 x 11 2,309 37,50 39,03 39,03 1 x 11 2,309 39,90 41,45 37,50 44,93 1 x 11 2,309 49,72 50,87 22 x 11 2,309 55,00 56,74 2 1/2 x 11 2,309 83,52 85,05 85,05 NPT (c/escariador) NPT (c/escariador) 1/1/6 x 27 0,940 8,30 8,74 1/4 x 18 1,411 10,70 11,36 3/8 x 18 1,411 10,70 14,80 1/2 x 14 1,814 17,40 18,32 3/4 x 14 1,814 22,50 23,67 1 x 11 1/2 2,208 28,50 29,69 2 x 11 1/2 2,208 43,50 44,52 2 x 11 1/2 2,208 55,50 56,56 2 x 11 1/2 2,208 55,50 56,56 2 1/1/2 x 11 1/2 2,208 55,50 66,56 2 1/1/2 x 13 3,175 66,00 67,62 | 2 X II | | | 56,00 |
| 1/8 × 28 0,907 8,00 11,50 3/8 × 19 1,337 10,80 11,50 3/8 × 19 1,337 14,25 15,01 1/2 × 14 1,814 17,75 18,70 5/8 × 14 1,814 23,00 24,19 7/8 × 14 1,814 23,00 24,19 7/8 × 14 1,814 26,55 27,95 1 × 11 2,309 33,62 35,02 11/4 × 11 2,309 37,50 39,03 11/2 × 11 2,309 37,50 39,03 11/2 × 11 2,309 37,50 39,03 11/2 × 11 2,309 49,75 39,03 11/2 × 11 2,309 49,75 50,00 11/3 × 11 2,309 49,72 50,87 2 x 11 2,309 49,72 50,87 2 x 11 2,309 55,00 56,74 2 x 12 x 11 2,309 83,52 NPT (c/escariador) 1/16 × 27 0,940 6,00 6,39 1/8 × 27 0,940 8,30 8,74 1/4 × 18 1,411 10,70 18,30 1/8 × 18 1,411 10,70 11,36 3/8 × 18 1,411 14,20 14,80 1/2 × 14 1,814 17,40 18,32 3/4 × 14 1,814 22,50 23,67 1 × 11 1/2 2,208 28,50 29,69 11/2 × 11 1/2 2,208 43,50 44,52 2 × 11 1/2 × 8 3,175 66,00 67,62 | Medida | Paso | 10.00 | d 3 |
| 5/8 x 14 1,814 19,62 20,65 3/4 x 14 1,814 23,00 24,19 7/8 x 14 1,814 26,55 27,95 1 x 11 2,309 29,00 30,00 1 | 1/8 x 28 1/4 x 19 3/8 x 19 | 0,907 1,337 1,337 | 8,00 10.80 | 8.61 |
| 11/8 x 11 2,309 33,62 35,02 11/4 x 11 2,309 37,50 39,03 39,03 13,88 x 11 2,309 37,50 44,493 11/2 x 11 2,309 43,50 44,93 11/2 x 11 2,309 43,50 44,93 13/4 x 11 2,309 49,72 50,87 2 x 11 2,309 55,00 72,31 3 x 11 2,309 83,52 85,05 NPT (c/escariador) 1/16 x 27 0,940 6,00 6,39 1/8 x 27 0,940 8,30 8,74 1/4 x 18 1,411 10,70 11,36 3/8 x 18 1,411 10,70 11,36 3/8 x 18 1,411 14,20 14,80 11/2 x 14 1,814 22,50 23,67 1 x 11 1/2 2,208 28,50 29,69 11/4 x 11 1/2 2,208 28,50 29,69 11/4 x 11 1/2 2,208 43,50 44,52 2 x 11 1/2 2,208 55,50 56,56 | 5/8 x 14 3/4 x 14 7/8 x 14 | 1,814 1,814 1,814 | 19,62 23,00 | 20,65 24,19 27,95 |
| 13/4 x 11 2,309 49,72 50,87 2 1/2 x 11 2,309 55,00 72,31 3 x 11 2,309 83,52 85,05 NPT (c/escariador) 1/16 x 27 0,940 6,00 6,39 1/8 x 27 0,940 8,30 8,74 1/4 x 18 1,411 10,70 11,36 3/8 x 18 1,411 14,20 14,80 1/2 x 14 1,814 17,40 18,32 3/4 x 14 1,814 22,50 23,67 1 x 11 1/2 2,208 28,50 29,69 11/2 x 11 1/2 2,208 43,50 44,52 2 x 11 1/2 2,208 55,50 56,56 | 1 ^{1/8} x 11 1 ^{1/4} x 11 1 ^{3/8} x 11 | 2,309 2,309 2,309 | 33,62 37,50 | 35,02 39,03 41,45 |
| NPT (c/escariador) 1/16 x 27 0,940 6,00 6,39 1/8 x 27 0,940 8,30 8,74 1/4 x 18 1,411 10,70 11,36 3/8 x 18 1,411 14,20 14,80 1/2 x 14 1,814 17,40 18,32 3/4 x 14 1,814 22,50 23,67 1 x 11 1/2 2,208 28,50 29,69 11/4 x 11 1/2 2,208 37,00 38,45 1 1/2 x 11 1/2 2,208 43,50 44,52 2 x 11 1/2 2,208 55,50 56,56 21/2 x 8 3,175 66,00 67,62 | 1 ^{3/4} x 11 2 x 11 2 ^{1/2} x 11 | 2,309 2,309 2,309 | 49,72 55,00 70,00 | 50,87 56,74 72,31 |
| 1/16 x 27 0,940 6,00 6,39 1/8 x 27 0,940 8,30 8,74 1/4 x 18 1,411 10,70 11,36 3/8 x 18 1,411 14,20 14,80 1/2 x 14 1,814 17,40 18,32 3/4 x 14 1,814 22,50 23,67 1 x 11 1/2 2,208 28,50 29,69 11/4 x 11 1/2 2,208 37,00 38,45 11/2 x 11 1/2 2,208 43,50 44,52 2 x 11 1/2 2,208 55,50 56,56 21/2 x 8 3,175 66,00 67,62 | | 10,000 | 77.77 | |
| 1/2 x 14 1,814 17,40 18,32 3/4 x 14 1,814 22,50 23,67 1 x 11 1/2 2,208 28,50 29,69 11/4 x 11 1/2 2,208 37,00 38,45 11/2 x 11 1/2 2,208 43,50 44,52 2 x 11 1/2 2,208 55,50 56,56 21/2 x 8 3,175 66,00 67,62 | 1/16 x 27 1/8 x 27 1/4 x 18 | 0,940 0,940 1,411 | 6,00 | 8./4 |
| 1 ^{1/2} x 11 ^{1/2} 2,208 43,50 44,52 2 x 11 ^{1/2} 2,208 55,50 56,56 2 ^{1/2} x 8 3,175 66,00 67,62 | 3/4 x 14 1 x 11 1/2 11/4 x 11 1/2 | 1,814 1,814 2,208 | 17,40 22,50 28,50 | 18,32 23,67 29,69 |
| | 1 ^{1/2} x 11 ^{1/2} 2 x 11 ^{1/2} 2 ^{1/2} x 8 | 2,208 3,175 | 66,00 | 56,56 67,62 |

Los diámetros de los agujeros a ejecutar indicados en estas tablas fueron calculados para obtener en el roscado un 75% de altura teórica de filete, a excepción de los agujeros para roscas de caños donde se ha calculado para obtener el 90% de altura.

13,66 15,25 16,61 19,52

22,35 25,09 28,27 30,86

34,04 39,57 45,38

2,309 2,309 2,540 2,822

3,175 3,628 3,628 4,233

13,50 15,00 16,50 19,50

22,50 25,00 28,00 31,00

5/8 x 11 11/16 x 11 3/4 x 10 7/8 x 9

1 1^{1/8} 1^{1/4} 1^{3/8}

1^{1/2} X 1^{3/4} X 2 X

Tabla de recomendaciones de uso



| TIPOS DE AGUJEROS | | | 1 | MACHO RECOMENDADO ● ALTERNATIVA ○ | | | | | | | | ATAMIENT PERFICIA | | | |
|------------------------|------------------|----------------|--------------------|-----------------------------------|--|--------|--------------------|---------|------------------------------|-------|--------------------|------------------------------------|-----------------------|-------------------|--------------------|
| | 1 L | . < 0,5 Ø | | CODIGOS | | | | | NITRURADO NITRURO TITANEO | | N T | | | | |
| 16031 | 2 լ | . < 1,5 Ø | 010-020 110-120 | 010-020 | 150-160 050 060 | 060 | 250 070-200 | | 090 3 230 | 330 | | CROMO DURO C OXIDADO AL VAPOR V | | C | |
| | 3 L | . > 1,5 Ø | 110 120 | 110 120 | | | | | 230 | | | LUBRICANTES | | | |
| 1000 | 4 L | . < 1,5 Ø | | | The state of the s | ammus. | | | (Incorrections) | | 57 | | SECO | | Α |
| | 5 L | > 1,5 Ø | 月 | | | | | | | | THE REAL PROPERTY. | TIPOS DE VIRUTA | ACEITE CO SULFURAD | | В |
| <u> </u> | 6 L< 1,5 Ø | 6 L < 1,5 Ø | | | | | | | | | | | ACEITE CO SULFURAD | RTE O Y CLO | RADO C |
| Water 1 | 7 L | . > 1,5 Ø | | | | | | | | | | | ACEITE CO | RTE | D |
| | 8 L | < 1,5 Ø | | | | | | | | | | | ACEITE SO | | :10 E |
| CONOS DE ENTR | RADA (FILE | TES) | 7 | 3 | 5 | 5 | 3 | 3 | 5 | 3 | 20 | CORTA C | AIRE A PRE | SION | F |
| TIPOS DE A | AGUJEROS | | 2-6 | 2-3-4 5-6-7 | 2-3 | 1-2 | 1-2-3-4 5-6-7-8 | 4-5-6-7 | 2-3-6-7 | 4-5 | 8 | LARGA L | ANGULO DE CORTE | VELOCID/ m/min | AD LUBRI- CANTE |
| | DE ACI | ERO | | | • | ● N | ONT | | | • | | L | 12°-14° | 6-12 | B-E134 |
| FUNDICION | ESFERO | IDAL | | ONT | ОТ | ● N | | | | 0 | | C/L | 10°-12° | 10-15 | B-E 134 |
| | MALEA | BLE | | | T | ● N | Оит | | ● N | • | | C/L | 7°-9° | 6-12 | B-E ①3④ |
| HIERRO FUNDIDO | DURO | | ● N T | ● N T | | ON | | | | | | С | 3°-5° | 6-10 | Е |
| HIERRO FUNDIDO | BLAN | IDO | ONT | ON | | ON | | | | | | С | 3°-5° | 15-20 | A-E |
| | SIN A < 700 P | LEAR 2 | • | 0 | T | ● V | ONT | | 0 | • | ● V | L | 12°-14° | 15-20 | B 1\3\4 |
| ACERO | ALE/ > 700 P | ADO 2 N/mm² | | | • T | | | | | • т | ● V | L | 10°-12° | 5-9 | B 1\3\4 |
| ACERO | INOXI | | | | ●V T | | Ои | | | ● V T | ● V | L | 10°-12° | 2-6 | c 1 4 |
| | CROMO/NIQUEL | | | | ● T | 0 | | | | • т | | L | 10°-12° | 3-7 | B 134 |
| ALUMINIO | Si < | 11% | | | | ΟV | ● N | • | | | | L | 25°-30° | 15-35 | B € ② |
| SILUMIN | Si > | 11% | ● N T | ● N T | ●N T | ● N | Ои | | ● N T | ONT | | С | 12°-14° | 8-15 | B-E 2 |
| | COBRE | | Ос | Ос | | • | ●ст | | ● C T | ●ст | | L | 15°-25° | 10-15 | D |
| CORRE | 220155 | BLANDO | • | • | 0 | ● V | Ои | | | 0 | | L | 12°-14° | 10-20 | D |
| COBRE Y SUS | BRONCE | DURO | • | • | 0 | • v | | | | | | С | 6°-8° | 5-10 | D |
| ALEACIONES | | DURO | | | ●N T | • v | | | | | ● V | С | 4°-6° | 10-20 | D |
| | LATON | TENAZ | • | • | 0 | • v | ONT | ļ., | | • | • v | L | 12°-14° | 8-17 | D |
| TERMORI METICES | BAQU | ELITA | ONT | ONT | | | | | | | | С | 3°-5° | 6-12 | F |
| TERMOPLASTICOS | P.V.C. | | | | | ΟV | Ои | • | | | | L | 20°-25° | 10-25 | F-E |
| ZINC (ZAMAC) | | | | ●n T | • v | ● N | | | ● N T | | L | 14°-16° | 8-20 | B-E 1 3 4 | |
| ALEACIONES DE MAGNESIO | | | 0 | 0 | • | • | | | | | | С | 3°-6° | 15-25 | F |

Las velocidades de corte detalladas en la tabla son aproximadas. Debido a que el tipo de cono de entrada varia notablemente las condiciones de trabajo, las velocidades han sido tabuladas en base al Cono 3. Pueden aumentarse en aproximadamente 30% para el Cono 2, 60% para el Cono 1 y 100% para los de Cono Largo para Tuercas. Las machos de Rosca Cónica para Caños deben trabajar a velocidades inferiores en un 25% a un 50% de las indicadas en la tabla.

En el caso de Machos de Acero Aleado, se deben estimar velocidades tres veces inferiores a las indicadas.

- ① Se recomienda Extracut 2000 (por pulverización, no es para sistemas recirculantes)
- ② Se recomienda Extracut 4000
- 3 Se recomienda Extracut 6000 (para sistemas recirculantes)
- (4) Se recomienda Extracut 8000 (para laminación)

DIAMETRO DEL AGUJERO A ROSCAR CON MACHOS LAMINADORES

El diámetro del agujero a roscar está dado por la siguiente formula:

 $D = dt - 0,0068 \times h \times p$

D = Diámetro del agujero a roscar

dt = Diámetro exterior teórico h = Altura porcentual del perfil del filete a obtener

p = Paso de la rosca

Se recomienda una altura de filete del 65%

| IAI | Nosca memca gruesa |
|------|---|
| MF | Rosca métrica fina |
| NC | Rosca nacional americana serie gruesa |
| NF | Rosca nacional americana serie fina |
| NEF | Rosca nacional americana serie extra fina |
| N | Rosca nacional americana |
| NS | Rosca nacional americana serie especial |
| UNC | Rosca unificada serie gruesa |
| UNF | Rosca unificada serie fina |
| UNEF | Rosca unificada serie extrafina |
| UN | Rosca unificada |
| UNS | Rosca unificada serie especial |
| | |

| NPS | Rosca americana cilíndrica para caños |
|------|---|
| NPSC | Rosca americana cilíndrica para manguitos |
| NPSF | Rosca americana cilíndrica estanca |
| | para caños |
| NPSI | Rosca americana cilíndrica estanca |
| | intermedia para caños |
| NPSM | Rosca americana cilíndrica para |
| | uniones mecánicas |
| NPT | Rosca americana cónica para caños |
| NPTF | Rosca americana cónica estanca para caños |
| P.g. | Rosca para tubo de conducción eléctrica |
| ₹d | Rosca redonda |
| Γr | Rosca trapezoidal |
| ACME | Rosca Acme |
| | |
| | |
| | |

| | vehículos |
|--------|---|
| Fg | Rosca para bicicletas |
| BSW | Rosca normal inglesa Whitworth serie gruesa |
| BSF | Rosca normal inglesa Whitworth serie fina |
| WHIT | Rosca normal inglesa Whitworth especial |
| BA | Rosca normal Asociación Inglesa |
| BSC | Rosca normal inglesa para bicicletas |
| BSB-BG | Rosca normal inglesa para caños de bronce |
| BSP | Rosca normal inglesa cilíndrica para caños |

Rosca para válvulas de neumáticos de

BSPT Rosca normal inglesa cónica para caños API Rosca del Instituto Americano del Petróleo **NGTO** Rosca nacional americana para salida de gases