



SPARE PARTS RECANVIS

TURNING SPARE PARTS RECANVIS PER TORNEJAT

Screws **J02-05**
Cargols

Lock pins **J06**
Pivots

Clamps **J06-09**
Brides

Shim seats **J10-15**
Plaques base

Seats **J15**
Cartutxos

Levers **J16-17**
Palanques

Others **J17-18**
Altres

Wrenches **J19**
Claus

MILLING SPARE PARTS RECANVIS PER FRESAT

Screws **J20-22**
Cargols

Washers **J22**
Volanderes

Shim seats **J23**
Plaques base

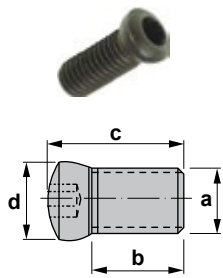
Wedges and seats **J24**
Falques i cartutxos

Seats and cartridges **J25-27**
Bases i cartutxos

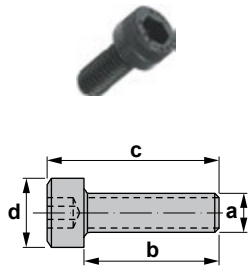
Wrenches **J28**
Claus



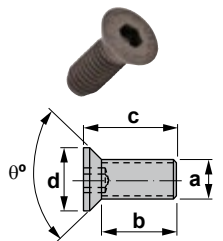
Screws (Allen) / Cargols (Allen)



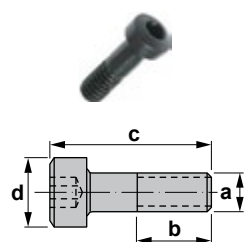
| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|------|------|------|-----|----------------|--|
| 1006 | M6x1 | 11,2 | 17,0 | 9,0 | A4 | 3.5 |



| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|------|------|-------|----------------|--|
| 1075 | M5x0.8 | 25,0 | 30,1 | 8,35 | A4 | 3.5 |
| 1076 | M6x1 | 30,0 | 36,0 | 10,00 | A5 | 4.0 |
| 1078 | M8x1.25 | 40,0 | 48,1 | 12,60 | A6 | - |
| 1093 | M3x0.5 | 8,0 | 11,2 | 5,40 | A2.5 | 2.0 |
| 1095 | M5x0.8 | 8,2 | 11,8 | 8,40 | A4 | 3.5 |
| 1096 | M6x1 | 25,0 | 31,0 | 10,00 | A5 | 4.0 |
| 1296 | M6x1 | 10,0 | 14,0 | 9,80 | A5 | 4.0 |
| 1392 | M2.5 | 9,6 | 12,5 | 4,40 | A2 | 1.4 |
| 1393 | M3x0.5 | 4,0 | 7,0 | 5,50 | A2.5 | 2.0 |
| 1394 | M4 | 6,1 | 8,6 | 6,90 | A2.5 | 2.0 |
| 1396 | M6x1 | 16,0 | 21,9 | 9,75 | A5 | 4.0 |
| 1494 | M4x0.7 | 12,0 | 16,0 | 7,00 | A3 | 3.0 |
| 1495 | M5x0.8 | 16,0 | 21,2 | 8,40 | A4 | 3.5 |
| 1496 | M6x1 | 12,0 | 16,0 | 9,80 | A4 | 3.5 |
| 1695 | M5x0.8 | 20,0 | 23,6 | 8,30 | A4 | 3.5 |
| 1696 | M6x1 | 25,0 | 29,0 | 10,00 | A4 | 3.5 |
| 1905 | M5x0.8 | 12,0 | 16,9 | 8,30 | A4 | 3.5 |
| 1906 | M6x1 | 20,0 | 26,0 | 10,00 | A5 | 4.0 |
| 1916 | M6x1 | 12,0 | 18,0 | 10,00 | A5 | 4.0 |
| 1924 | M4x0.7 | 12,0 | 14,8 | 7,00 | A2.5 | 2.0 |
| 1925 | M5x0.8 | 12,0 | 15,5 | 8,50 | A3 | 3.0 |
| 1926 | M6x1 | 12,0 | 16,0 | 10,00 | A4 | 3.5 |
| 1928 | M8x1.25 | 16,0 | 17,0 | 13,00 | A5 | 4.0 |

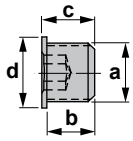


| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|------|------|------|----|----------------|--|
| 1059 | M10x1.5 | 13,2 | 18,5 | 11,5 | 60 | A6 | |
| 1192 | M8x1.25 | 13,8 | 20,0 | 14,1 | 70 | A5 | 4.0 |

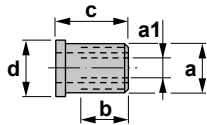


| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|------|----|----|----|----------------|--|
| 1614 | W1/4 | 12 | 25 | 10 | A4 | 3.5 |

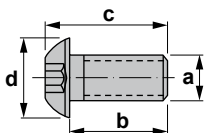
Screws (Allen) / Cargols (Allen)



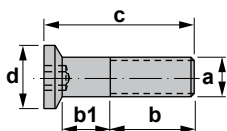
| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|-----|-----|------|----------------|--|
| 1598 | 1/8 GAS | 7,0 | 8,0 | 11,5 | A5 | 4.0 |



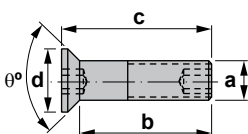
| Reference Referència | a | a1 | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|----------|------|------|------|----------------|--|
| 1750 | M5x0.5 | M3.5x0.6 | 5,0 | 8,5 | 6,2 | A3.5 | - |
| 1760 | M6x0.75 | M4x0.5 | 5,5 | 10,0 | 7,7 | A4 | 3.5 |
| 1764 | M5x0.8 | - | 5,8 | 8,0 | 6,3 | A2 | 1.4 |
| 1765 | M6x0.75 | M4x0.5 | 6,0 | 10,0 | 7,5 | A4 | 3.5 |
| 1766 | M6x1 | - | 6,5 | 10,0 | 7,8 | A2.5 | 2.0 |
| 1768 | M6x1 | - | 13,3 | 15,5 | 10,4 | A3 | 3.0 |
| 1770 | M6x1 | - | 11,0 | 15,0 | 11,9 | A3 | 3.0 |



| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|------|------|------|----------------|--|
| 1803 | M3 | 8,0 | 9,4 | 5,5 | A2 | 1.4 |
| 1804 | M4x0.7 | 10,0 | 12,1 | 7,5 | A2.5 | 2.0 |
| 1806 | M6x1 | 25,0 | 28,2 | 10,5 | A4 | 3.5 |
| 1808 | M8x1.25 | 30,0 | 34,3 | 14,0 | A5 | 4.0 |
| 1810 | M10x1.5 | 40,0 | 45,3 | 18,0 | A6 | - |
| 1813 | M3 | 4,5 | 5,9 | 5,5 | A2 | 1.4 |
| 1814 | M4 | 3,5 | 5,5 | 7,5 | A2.5 | 2.0 |
| 1815 | M5x0.8 | 12,5 | 15,0 | 9,3 | A3 | 3.0 |
| 1816 | M6x1 | 20,0 | 23,2 | 10,5 | A4 | 3.5 |



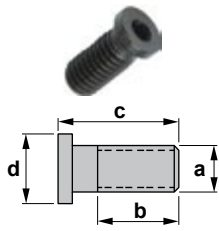
| Reference Referència | a | b | b1 | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|------|------|------|------|----------------|--|
| 1907 | M7x0.75 | 14,0 | 10,6 | 27,5 | 10,7 | A4 | 3.5 |
| 1915 | M5x0.8 | 12,1 | 8,0 | 23,0 | 8,7 | A2.5 | 2.0 |



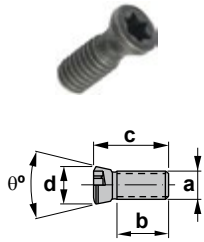
| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|----------|------|----|-----|----|----------------|--|
| 1935 | M3.5x0.6 | 11,5 | 13 | 5,6 | 90 | A2 | 1.4 |
| 1950 | M5x0.8 | 16,7 | 19 | 7,9 | 92 | A2.5 | 2.0 |
| 1955 | M5x0.8 | 16,9 | 19 | 8,9 | 90 | A3 | 3.0 |



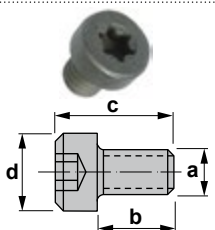
Screws (Torx) / Cargols (Torx)



| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|--------|------|------|------|----------------|--|
| 1140 | M4x0.7 | 3,2 | 7,5 | 5,0 | T15 | 3.0 |
| 1150 | M5x0.8 | 10,0 | 13,5 | 6,4 | T9 | 1.4 |
| 1151 | M5x0.8 | 7,0 | 10,5 | 6,4 | T9 | 1.4 |
| 1160 | M6x1 | 9,5 | 13,5 | 7,8 | T20 | 4.0 |
| 1161 | M6x1 | 6,5 | 10,5 | 7,9 | T20 | 4.0 |
| 1180 | M8x1 | 9,5 | 13,5 | 11,0 | T25 | 5.0 |

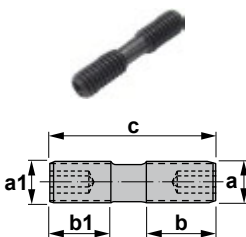


| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|------------|------|------|------|----|----------------|--|
| 1182 | M8x1 | 9,5 | 13,5 | 10,5 | 60 | T25 | 5.0 |
| 1220 | M2x0.4 | 3,7 | 5,5 | 3,3 | 55 | T6 | 0.6 |
| 1222 | M2.2x0.45 | 3,5 | 6,0 | 3,3 | 55 | T6 | 0.6 |
| 1225 | M2.5x0.45 | 4,0 | 7,0 | 3,3 | 55 | T7 | 0.9 |
| 1226 | M2.6 | 6,0 | 8,3 | 4,0 | 94 | T8 | 1.2 |
| 1230 | M3x0.5 | 5,6 | 9,0 | 4,4 | 55 | T8 | 1.2 |
| 1235 | M3.5 | 6,5 | 9,5 | 5,3 | 55 | T15 | 3.0 |
| 1240 | M4x0.7 | 6,2 | 11,0 | 5,3 | 55 | T15 | 3.0 |
| 1244 | M4x0.7 | 8,0 | 12,0 | 7,0 | 55 | T20 | 4.0 |
| 1250 | M5x0.8 | 6,0 | 12,0 | 7,0 | 55 | T20 | 4.0 |
| 1255 | M5x0.8 | 9,0 | 12,0 | 7,0 | 94 | T20 | 4.0 |
| 1260 | M6x1 | 11,5 | 16,0 | 7,9 | 55 | T25 | 5.0 |
| 1334 | M3.5x0.6 | 7,2 | 12,0 | 5,3 | 55 | T15 | 3.0 |
| 1335 | M3.5x0.6 | 10,2 | 15,0 | 5,3 | 55 | T20 | 3.0 |
| 1340 | M4x0.7 | 11,2 | 16,0 | 5,3 | 55 | T15 | 3.0 |
| 1350 | M5x0.8 | 17,8 | 22,0 | 7,0 | 55 | T20 | 4.0 |
| 1360 | M6x1 | 17,0 | 22,5 | 7,9 | 55 | T25 | 5.0 |
| 1415 | M1.6x0.35 | 1,5 | 3,2 | 2,6 | 60 | T6 | 0.6 |
| 1420 | M2x0.4 | 2,2 | 4,3 | 3,3 | 55 | T6 | 0.6 |
| 1422 | M2.2x0.45 | 1,8 | 4,3 | 3,3 | 55 | T6 | 0.6 |
| 1425 | M2.5x0.45 | 3,0 | 5,5 | 3,3 | 55 | T7 | 0.9 |
| 1430 | M3x0.5 | 2,8 | 5,8 | 4,4 | 55 | T8 | 1.2 |
| 1440 | M4x0.7 | 3,2 | 7,5 | 5,3 | 55 | T15 | 3.0 |
| 1450 | M5x0.8 | 11,0 | 17,0 | 7,0 | 55 | T20 | 4.0 |
| 1535 | M3.5 | 7,5 | 10,0 | 5,0 | 94 | T10 | 2.0 |
| 1540 | M4x0.5 | 7,9 | 14,1 | 6,8 | 60 | T15 | 3.0 |
| 1622 | M2.2x0.45 | 4,0 | 6,0 | 3,4 | 60 | T7 | 0.9 |
| 1625 | M2.5x0.45 | 3,6 | 6,5 | 3,8 | 60 | T8 | 1.2 |
| 1630 | M3x0.5 | 5,2 | 8,3 | 4,3 | 60 | T9 | 1.4 |
| 1635 | M3.5x0.6 | 5,5 | 9,0 | 4,7 | 60 | T10 | 2.0 |
| 1640 | M4 | 7,0 | 10,5 | 5,5 | 60 | T15 | 3.0 |
| SA3 | 5-40UNC-3A | 12,0 | 15,0 | 5,5 | 60 | T10 | 2.0 |
| SA3T | 5-40UNC-3A | 9,5 | 12,5 | 5,5 | 60 | T10 | 2.0 |
| SA4 | 8-UNC | 11,0 | 15,0 | 7,5 | 60 | T20 | 4.0 |
| SA5 | 10-32UNF | 16,8 | 22,0 | 8,2 | 60 | T25 | 5.0 |
| SN3 | 5-40UNC-3A | 6,5 | 9,5 | 5,5 | 60 | T10 | 2.0 |
| SN4 | 8-UNC | 8,0 | 12,0 | 7,5 | 60 | T20 | 4.0 |



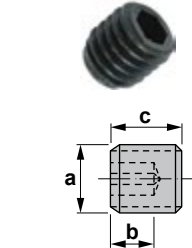
| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|----------|-----|-----|-----|----------------|--|
| SY3 | 5-40UNC | 4,2 | 6,9 | 5,4 | T10 | 2.0 |
| SY4 | 8-32UNC | 5,3 | 9,1 | 6,8 | T20 | 4.0 |
| SY5 | 10-32UNF | 5,8 | 9,2 | 8,4 | T25 | 5.0 |

Clamp screws / Cargols per brida



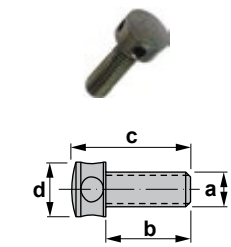
| Reference Referència | a | a1 | b | b1 | c | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|---------|------|------|------|----------------|--|
| 1085 | M5x0.8L | M5x0.8R | 7,9 | 7,9 | 21,3 | A2.5 | 2.0 |
| 1086 | M6x1L | M6x1R | 11,4 | 11,4 | 29,4 | A3 | 3.0 |
| 1098 | M8x1L | M8x1R | 12,7 | 10,4 | 29,4 | A4 | 3.5 |
| 1186 | M6x1L | M6x1R | 7,1 | 7,1 | 20,5 | A3 | 3.0 |

Screws / Presoners



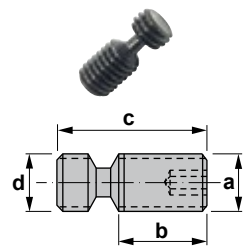
| Reference Referència | a | b | c | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|-----|---|----------------|--|
| 1503 | M3x0.5 | 2,0 | 4 | A1.5 | 0.6 |
| 1504 | M4x0.7 | 2,0 | 4 | A2 | 1.4 |
| 1505 | M5x0.8 | 3,0 | 5 | A2.5 | 2.0 |
| 1506 | M6x1 | 4,0 | 5 | A3 | 3.0 |
| 1508 | M8x1.25 | 5,0 | 8 | A4 | 3.5 |
| 1592 | 1/8 GAS | 3,7 | 8 | A5 | 4.0 |

Adjustable screws / Cargols de regulació

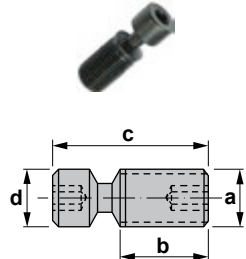


| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|------|------|----|----------------|--|
| 1403 | M3x0.5 | 6,5 | 9,5 | 4 | A4 | 3.5 |
| 1404 | M4x0.7 | 9,0 | 12,5 | 7 | A2.5 | 2.0 |
| 1405 | M5x0.8 | 10,5 | 16,5 | 9 | A2 | 1.4 |
| 1406 | M6x1 | 12,0 | 18,0 | 11 | A2.5 | 2.0 |
| 1408 | M8x1.25 | 15,0 | 21,0 | 13 | A3 | 3.0 |

Lever lock system - Screws / Cargols per palanques



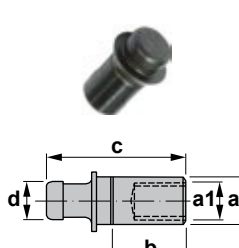
| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|--------|-----|------|---|----------------|--|
| 1605 | M5x0.8 | 6,1 | 12,0 | 5 | A2 | 1.4 |
| 1705 | M5x0.8 | 8,1 | 14,0 | 5 | A2 | 1.4 |
| 1715 | M5x0.8 | 4,3 | 9,6 | 5 | A2 | 1.4 |



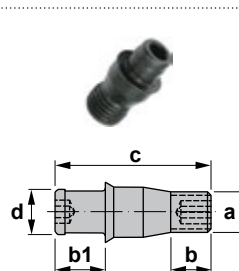
| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|-------|------|------|----|----------------|--|
| 1606 | M6x1 | 8,6 | 16,7 | 6 | A2.5 | 2.0 |
| 1608 | M8x1 | 8,7 | 20,7 | 8 | A3 | 3.0 |
| 1610 | M10x1 | 13,3 | 27,2 | 10 | A4 | 3.5 |
| 1612 | M12x1 | 17,3 | 36,0 | 12 | A5 | 4.0 |
| 1618 | M8x1 | 11,2 | 22,5 | 8 | A3 | 3.0 |
| 1626 | M6x1 | 8,0 | 13,4 | 6 | A2.5 | 2.0 |
| 1638 | M8x1 | 10,3 | 21,1 | 8 | A3 | 3.0 |
| 1648 | M8x1 | 9,1 | 17,0 | 8 | A3 | 3.0 |
| 1706 | M6x1 | 12,6 | 20,7 | 6 | A2.5 | 2.0 |
| 1708 | M8x1 | 12,2 | 23,5 | 8 | A3 | 3.0 |
| 1710 | M10x1 | 17,3 | 30,4 | 10 | A4 | 3.5 |



Lock pins / Pivots

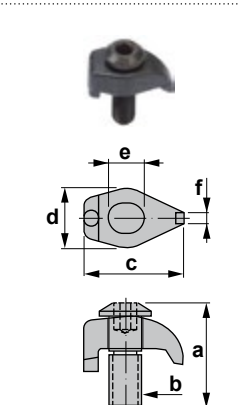


| Reference Referència | a | a1 | b | c | d |
|-------------------------|-----|--------|-----|------|-----|
| 1642 | 4,5 | M3x0.5 | 7,6 | 13,2 | 3,7 |
| 1643 | 4,5 | M3x0.5 | 3,4 | 8,5 | 3,7 |
| 1644 | 4,5 | M3x0.5 | 5,0 | 10,1 | 3,7 |
| 1647 | 6,0 | M4x0.7 | 3,1 | 8,5 | 5,0 |
| 1661 | 6,0 | M4x0.7 | 5,6 | 13,5 | 5,0 |
| 1682 | 8,0 | M6x1 | 9,2 | 16,5 | 7,7 |

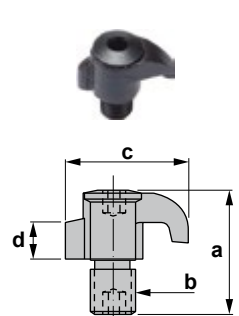


| Reference Referència | a | b | b1 | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|-------------|-----|-----|------|-----|----------------|--|
| 1656 | 1/4" 26FILS | 4,0 | 5,5 | 17,2 | 4,9 | A2.5 | 2.0 |
| 1657 | M6x1 | 5,0 | 7,0 | 18,6 | 5,0 | A2.5 | 2.0 |
| 1665 | M5x0.8 | 2,3 | 5,0 | 13,0 | 3,6 | A2 | 1.4 |
| 1666 | 1/4" 26FILS | 2,9 | 6,9 | 18,6 | 5,0 | A2.5 | 2.0 |
| 1670 | 3/8" 24FILS | 4,5 | 7,8 | 21,9 | 7,4 | A4 | 3.5 |
| 1673 | M6 | 4,8 | 6,3 | 22,0 | 6,3 | A3 | 3.0 |
| 1674 | M6 | 4,5 | 6,3 | 21,9 | 7,7 | A4 | 3.5 |
| 1675 | M5x0.8 | 3,4 | 5,0 | 16,2 | 3,6 | A2 | 1.4 |
| 1686 | 1/4" 26FILS | 3,5 | 5,5 | 13,3 | 5,0 | A2.5 | 2.0 |

Top clamp (C) system - Clamps / Brides tipus "C"



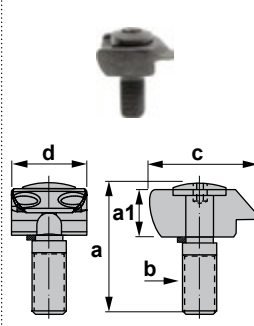
| Reference Referència | a | b | c | d | e | f | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|------|--------|------|------|-----|---|----------------|--|
| 2000 | 9,5 | M3x0.5 | 9,5 | 5,4 | 3,2 | 2 | A1.5 | 0.6 |
| 2304 | 14,0 | M4x0.7 | 13,2 | 8,0 | 5,0 | 2 | A2.5 | 2.0 |
| 2305 | 18,7 | M5x0.8 | 16,8 | 10,0 | 5,5 | 2 | A3 | 3.0 |



| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|------|---------|------|------|----------------|--|
| 2107 | 14,0 | M5x0.8 | 13,8 | 4,1 | A2.5 | 2.0 |
| 2109 | 16,3 | M6x1 | 16,2 | 5,0 | A3 | 3.0 |
| 2119 | 15,3 | M6x1 | 16,5 | 5,2 | A3 | 3.0 |
| 2207 | 15,8 | M5x0.8 | 13,8 | 4,1 | A2.5 | 2.0 |
| 2209 | 21,0 | M6x1 | 16,5 | 5,0 | A3 | 3.0 |
| 2211 | 24,0 | M8x1 | 20,5 | 7,6 | A4 | 3.5 |
| 2307 | 14,0 | M5x0.8 | 13,8 | 4,1 | A2.5 | 2.0 |
| 2516 | 15,8 | M5x0.8 | 14,8 | 7,3 | T15 | 3.0 |
| 2522 | 20,0 | M6x1 | 18,0 | 9,5 | T15 | 3.0 |
| 2527 | 26,0 | M8x1.25 | 24,5 | 13,0 | T25 | 5.0 |

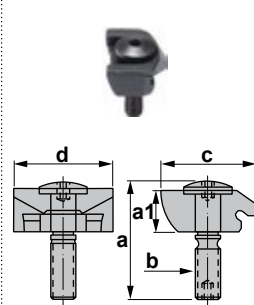
Wedge clamp (M) system - Clamps / Brides tipus "M"

| Reference Referència | a | a1 | b | c | d | Wrench Clau | Torque (N.m) |
|-------------------------|------|-----|--------|------|----|----------------|--------------------------|
| | | | | | | | Parell de serratge (N·m) |
| 2006 | 19,5 | 6,8 | M5x0.5 | 14,7 | 11 | A2.5 | 2.0 |
| 2011 | 26,0 | 8,1 | M8x1 | 22,0 | 17 | A5 | 4.0 |
| 2014 | 26,0 | 8,3 | M8x1 | 21,4 | 15 | A5 | 4.0 |
| 2015 | 26,0 | 8,2 | M8x1 | 22,1 | 12 | A5 | 4.0 |
| 2024 | 24,0 | 9,2 | M8x1 | 22,5 | 17 | A5 | 4.0 |

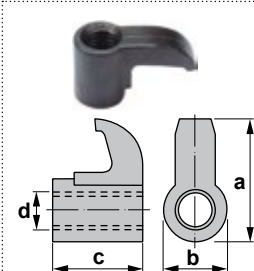


Wedge clamp (M-K) system - Clamps / Brides tipus "M-K"

| Reference Referència | a | a1 | b | c | d | Wrench Clau | Torque (N.m) |
|-------------------------|----|-----|--------|------|------|----------------|--------------------------|
| | | | | | | | Parell de serratge (N·m) |
| 2017 | 24 | 8,0 | M5x0.8 | 15,7 | 18,6 | A2.5 | 2.0 |
| 2018 | 24 | 8,4 | M5x0.8 | 15,7 | 18,6 | A2.5 | 2.0 |
| 2023 | 24 | 7,3 | M6x1 | 15,7 | 24,4 | A3 | 3.0 |

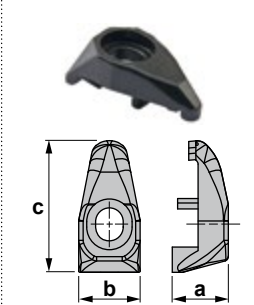


| Reference Referència | a | b | c | d |
|-------------------------|------|------|------|---------|
| | | | | |
| 2604 | 14,8 | 7,9 | 11,2 | M5x0.8L |
| 2613 | 18,5 | 9,5 | 13,5 | M6x1L |
| 2614 | 21,7 | 9,5 | 13,5 | M6x1L |
| 2616 | 24,0 | 9,5 | 13,5 | M6x1L |
| 2621 | 22,4 | 10,9 | 16,8 | M8x1L |



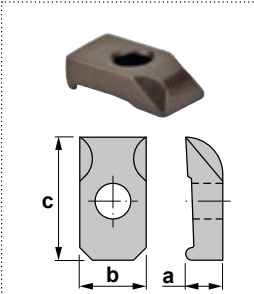
Dimple lock system - Clamps / Brides tipus "D"

| Reference Referència | a | b | c |
|-------------------------|------|------|------|
| | | | |
| 2308 | 9,4 | 10,9 | 24,8 |
| 2312 | 12,0 | 14,0 | 28,8 |
| 2319 | 13,4 | 15,9 | 33,3 |
| 2708 | 11,3 | 12,9 | 24,2 |
| 2712 | 12,6 | 13,8 | 29,6 |
| 2716 | 14,2 | 13,8 | 33,9 |
| 2719 | 14,2 | 13,8 | 35,4 |

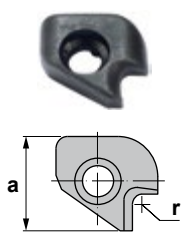
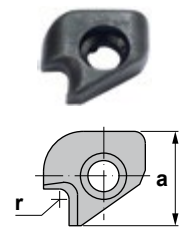


Threading - Clamps / Brides per eines de rosar

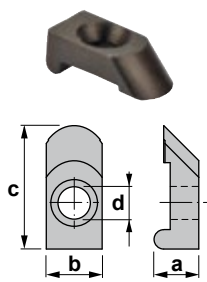
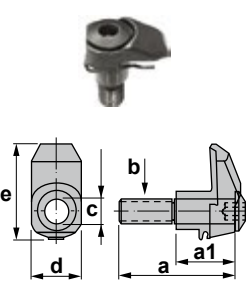
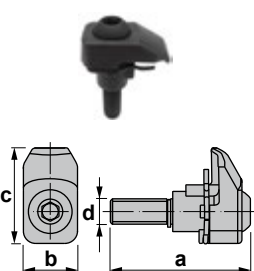
| Reference Referència | a | b | c | Wrench Clau | Torque (N.m) |
|-------------------------|-----|-----|------|----------------|--------------------------|
| | | | | | Parell de serratge (N·m) |
| 2101 | 5,3 | 9,5 | 17,8 | T15 | 0.6 |




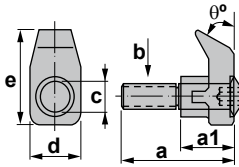

KNUX - Clamps / Brides per plaquetes KNUX


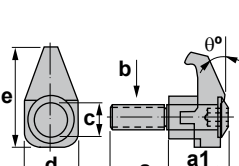
| | | | |
|---|-------------------------|------|-----|
|  | Reference Referència | a | r |
| | 2316 | 23,5 | 2,5 |
|  | Reference Referència | a | r |
| | 2326 | 23,5 | 2,5 |

Ceramic tools - Clamps / Brides per eines de ceràmica


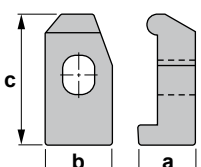
| | | | | | | | | | |
|---|-------------------------|------|------|---------|-----|----------------|--|--|--|
|  | Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) | |
| | 2120 | 7,0 | 5,5 | 18,7 | 5,1 | 40 | T15 | 3.0 | |
| | 2121 | 6,9 | 8,6 | 19,0 | 7,5 | 45 | T20 | 4.0 | |
| | 2122 | 8,5 | 11,8 | 24,7 | 8,2 | 45 | T25 | 5.0 | |
|  | Reference Referència | a | a1 | b | c | d | e | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
| | 2413 | 29,7 | 16,0 | M8x1.25 | 8,2 | 12,7 | 21,9 | A4 | 3.5 |
| | 2417 | 29,7 | 17,6 | M8x1.25 | 8,0 | 12,7 | 24,6 | A4 | 3.5 |
|  | Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) | | |
| | 2713 | 33 | 12,7 | 22,6 | M6 | A4 | 3.5 | | |
| | 2717 | 33 | 12,7 | 24,6 | M6 | A4 | 3.5 | | |


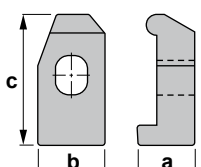
Ceramic tools - Clamps / Brides per eines de ceràmica

|   | Reference Referència | a | a1 | b | c | d | e | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|--|-------------------------|------|------|------|---------|-----|------|----------------|----------------|--|
| | | 2414 | 29,7 | 15,1 | M8x1.25 | 8,2 | 12,7 | 22,5 | 20 | A4 |

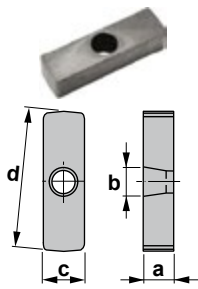
|   | Reference Referència | a | a1 | b | c | d | e | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) | |
|--|-------------------------|------|------|------|---------|-----|----|----------------|----------------|--|-----|
| | | 2415 | 29,7 | 15,7 | M8x1.25 | 8,2 | 13 | 25,9 | 8 | A4 | 3.5 |
| | | 2428 | 29,7 | 15,7 | M8x1.25 | 8,2 | 13 | 28,6 | 7 | A4 | 3.5 |
| | | 2432 | 29,7 | 15,7 | M8x1.25 | 8,2 | 13 | 28,6 | 7 | A4 | 3.5 |
| | | 2471 | 29,7 | 15,7 | M8x1.25 | 8,2 | 13 | 25,9 | 8 | A4 | 3.5 |

Notch tools - Clamps / Brides "Top-Notch"

|   | Reference Referència | a | b | c | |
|--|-------------------------|--------|-----|------|------|
| | | TF-146 | 5,5 | 9,0 | 13,7 |
| | | TF-72 | 9,7 | 11,3 | 22,0 |
| | | TF-74 | 7,2 | 9,0 | 13,7 |

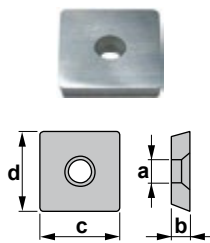
|   | Reference Referència | a | b | c | |
|--|-------------------------|--------|-----|------|------|
| | | TF-147 | 5,5 | 9,0 | 13,7 |
| | | TF-73 | 9,7 | 11,3 | 22,0 |
| | | TF-75 | 7,2 | 9,0 | 13,7 |

Shim seat / Plaques base

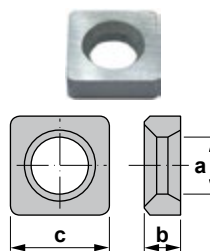


| Reference Referència | a | b | c | d |
|-------------------------|------|-----|-----|------|
| 3521 | 4,76 | 4,2 | 6,3 | 22,2 |

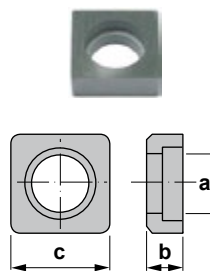
Square shim seats / Plaques base quadrades



| Reference Referència | a | b | c | d |
|-------------------------|-----|------|------|------|
| 3109 | 2,3 | 3,18 | 8,14 | 8,14 |
| 3112 | 2,3 | 3,18 | 11,3 | 11,3 |
| 3119 | 3,3 | 3,18 | 17,3 | 17,3 |

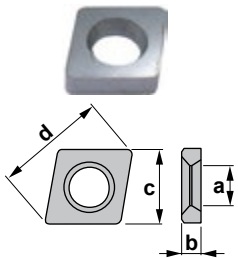


| Reference Referència | a | b | c |
|-------------------------|------|------|------|
| 3509 | 4,9 | 3,18 | 8,5 |
| 3512 | 6,4 | 3,18 | 11,6 |
| 3515 | 7,9 | 4,76 | 14,6 |
| 3519 | 9,6 | 4,76 | 17,8 |
| 3525 | 12,8 | 6,35 | 24,2 |

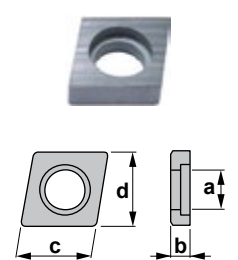


| Reference Referència | a | b | c |
|-------------------------|------|------|------|
| 3514 | 6,6 | 3,97 | 11,4 |
| ISSN-422 | 8,0 | 3,18 | 12,4 |
| ISSN-432 | 7,4 | 4,76 | 12,4 |
| ISSN-434 | 7,4 | 4,76 | 12,4 |
| ISSN-442 | 7,4 | 6,35 | 12,4 |
| ISSN-454 | 7,4 | 7,94 | 12,4 |
| ISSN-533 | 9,3 | 4,76 | 15,6 |
| ISSN-534 | 9,6 | 4,76 | 15,7 |
| ISSN-633 | 11,3 | 4,76 | 18,8 |

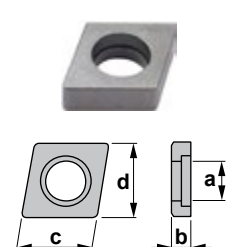


80° Rhombic shim seats / Plaques base ròmbiques 80°


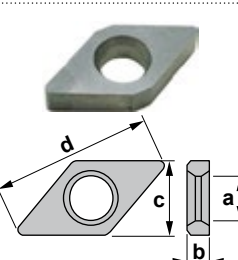
| Reference Referència | a | b | c | d |
|-------------------------|------|------|------|------|
| 3609 | 4,8 | 3,18 | 8,5 | 12,4 |
| 3612 | 6,4 | 3,18 | 11,6 | 17,1 |
| 3616 | 7,9 | 4,76 | 14,6 | 20,9 |
| 3619 | 9,6 | 4,76 | 17,8 | 26,0 |
| 3625 | 12,8 | 6,35 | 24,2 | 36,0 |



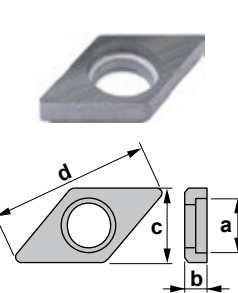
| Reference Referència | a | b | c | d |
|-------------------------|------|------|------|------|
| 3614 | 6,5 | 3,97 | 11,4 | 11,4 |
| ICSN-322 | 5,8 | 3,18 | 9,3 | 9,3 |
| ICSN-332 | 5,8 | 4,76 | 9,3 | 9,3 |
| ICSN-422 | 7,4 | 3,18 | 12,4 | 12,4 |
| ICSN-432 | 7,4 | 4,76 | 12,4 | 12,4 |
| ICSN-434 | 7,4 | 4,76 | 12,4 | 12,4 |
| ICSN-442 | 7,4 | 6,35 | 12,4 | 12,4 |
| ICSN-443 | 7,4 | 6,35 | 12,4 | 12,4 |
| ICSN-454 | 7,4 | 7,94 | 12,4 | 12,4 |
| ICSN-523 | 9,9 | 3,18 | 15,6 | 15,6 |
| ICSN-533 | 9,9 | 4,76 | 15,6 | 15,6 |
| ICSN-623 | 11,3 | 3,18 | 18,8 | 18,8 |
| ICSN-633 | 11,3 | 4,76 | 18,8 | 18,8 |

75° Rhombic shim seats / Plaques base ròmbiques 75°


| Reference Referència | a | b | c | d |
|-------------------------|-----|------|------|------|
| IESN-432 | 7,4 | 4,76 | 12,4 | 12,4 |

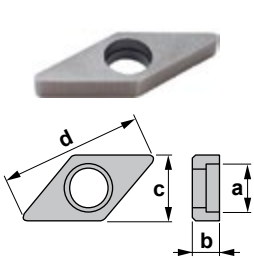
55° Rhombic shim seats / Plaques base ròmbiques 55°


| Reference Referència | a | b | c | d |
|-------------------------|-----|------|------|------|
| 3711 | 4,9 | 2,70 | 8,5 | 17,0 |
| 3715 | 6,4 | 3,18 | 11,6 | 23,4 |
| 3725 | 6,5 | 4,76 | 11,7 | 23,4 |



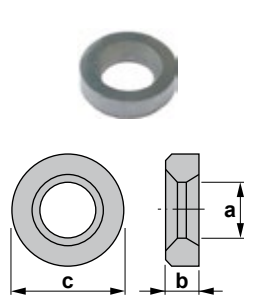
| Reference Referència | a | b | c | d |
|-------------------------|-----|------|-------|------|
| 3714 | 6,6 | 3,18 | 8,50 | 17,4 |
| IDSN-322 | 6,4 | 3,18 | 9,39 | 18,2 |
| IDSN-334 | 6,8 | 4,76 | 9,95 | 17,8 |
| IDSN-354 | 6,8 | 7,94 | 9,95 | 17,8 |
| IDSN-422 | 8,2 | 3,18 | 12,60 | 25,6 |
| IDSN-432 | 8,2 | 4,76 | 12,50 | 25,6 |
| IDSN-434 | 8,2 | 4,76 | 12,50 | 23,4 |

35° Rhombic shim seats / Plaques base ròmbiques 35°

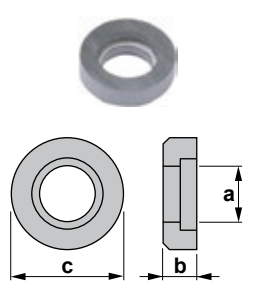


| Reference Referència | a | b | c | d |
|-------------------------|-----|------|------|------|
| 3718 | 6,7 | 3,18 | 8,4 | 26,0 |
| 3722 | 8,1 | 3,97 | 11,0 | 27,3 |
| IVSN-322 | 6,6 | 3,18 | 9,4 | 25,9 |
| IVSN-342 | 6,6 | 6,35 | 9,2 | 26,9 |

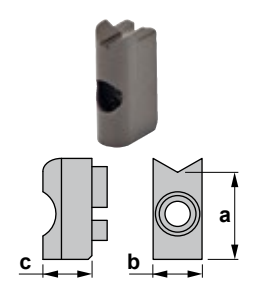
Round shim seats / Plaques base rodones



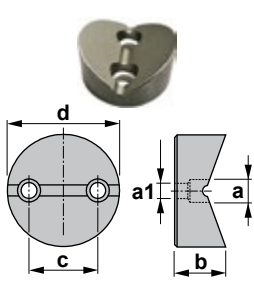
| Reference Referència | a | b | c |
|-------------------------|------|------|-------|
| 3810 | 4,9 | 3,18 | 8,34 |
| 3812 | 4,9 | 3,18 | 9,90 |
| 3816 | 6,4 | 4,76 | 13,55 |
| 3820 | 8,0 | 4,76 | 17,25 |
| 3825 | 9,6 | 6,35 | 21,90 |
| 3832 | 12,6 | 6,35 | 28,00 |
| 3909 | 4,9 | 3,18 | 8,80 |
| 3912 | 6,4 | 3,18 | 11,60 |
| 3915 | 8,0 | 4,76 | 15,20 |
| 3919 | 9,6 | 4,76 | 18,40 |
| 3925 | 12,9 | 6,35 | 24,80 |



| Reference Referència | a | b | c |
|-------------------------|------|------|-------|
| 3811 | 5,3 | 3,18 | 8,80 |
| 3814 | 5,3 | 3,18 | 10,60 |
| IRSN-42 | 7,4 | 3,18 | 12,45 |
| IRSN-43 | 7,4 | 4,76 | 12,45 |
| IRSN-44 | 7,3 | 6,40 | 12,45 |
| IRSN-45 | 7,4 | 7,92 | 12,45 |
| IRSN-53 | 9,8 | 4,76 | 15,60 |
| IRSN-63 | 11,3 | 4,76 | 18,80 |
| IRSN-84 | 14,5 | 6,35 | 25,15 |



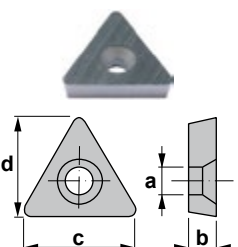
| Reference Referència | a | b | c |
|-------------------------|-------|------|------|
| 3806 | 13,95 | 5,0 | 8,6 |
| 3807 | 15,55 | 5,0 | 8,6 |
| 3808 | 17,15 | 5,0 | 8,6 |
| 3849 | 13,75 | 7,7 | 7,7 |
| 3852 | 15,20 | 11,1 | 10,8 |



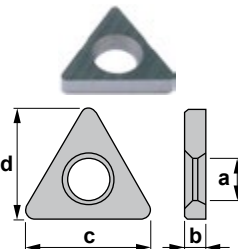
| Reference Referència | a | a1 | b | c | d |
|-------------------------|-----|----|-------|------|-------|
| 3817 | 4,5 | 3 | 7,75 | 7,0 | 13,55 |
| 3819 | 4,5 | 3 | 8,51 | 8,4 | 16,55 |
| 3835 | 4,5 | 3 | 10,04 | 13,5 | 22,00 |

Triangular shim seats / Plaques base triangulars

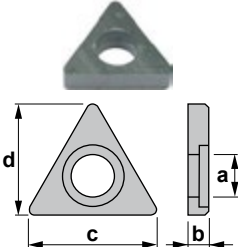
| Reference Referència | a | b | c | d |
|-------------------------|-----|------|-------|------|
| 3116 | 2,3 | 3,18 | 13,03 | 11,5 |
| 3122 | 3,3 | 3,18 | 17,19 | 15,1 |



| Reference Referència | a | b | c | d |
|-------------------------|-----|------|-------|------|
| 3416 | 4,9 | 2,76 | 13,52 | 11,9 |
| 3422 | 6,3 | 3,18 | 18,92 | 16,6 |
| 3427 | 8,0 | 4,76 | 24,60 | 24,6 |
| 3433 | 9,8 | 4,76 | 28,50 | 27,8 |

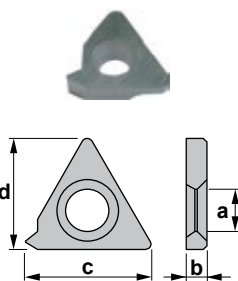


| Reference Referència | a | b | c | d |
|-------------------------|------|------|-------|------|
| 3414 | 5,30 | 3,18 | 13,55 | 11,9 |
| ITSN-322 | 5,90 | 3,18 | 14,60 | 12,9 |
| ITSN-324 | 5,70 | 3,30 | 14,25 | 12,8 |
| ITSN-342 | 5,90 | 6,35 | 14,90 | 13,1 |
| ITSN-433 | 7,40 | 4,76 | 19,70 | 17,3 |
| ITSN-443 | 7,65 | 6,35 | 20,20 | 17,8 |

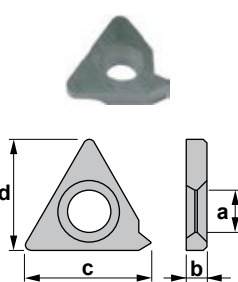


Shim seats for threading / Plaques base per eines de rosca

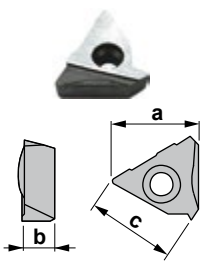
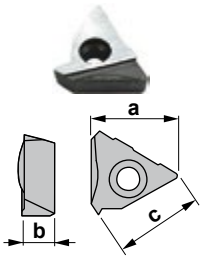
| Reference Referència | a | b | c | d |
|-------------------------|------|-----|------|------|
| 3424+1° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3424+2° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3424+3° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3424-1° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3424-2° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3424-3° | 3,95 | 3,2 | 12,8 | 12,8 |
| YE3 | 3,95 | 3,2 | 12,7 | 12,4 |
| YE4 | 5,30 | 4,0 | 17,3 | 17,3 |
| YE5 | 6,30 | 5,8 | 23,6 | 22,3 |



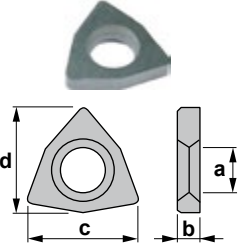
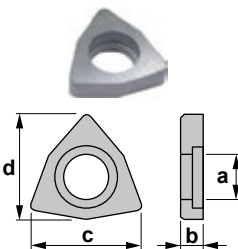
| Reference Referència | a | b | c | d |
|-------------------------|------|-----|------|------|
| 3425+1° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3425+2° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3425+3° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3425-1° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3425-2° | 3,95 | 3,2 | 12,8 | 12,8 |
| 3425-3° | 3,95 | 3,2 | 12,8 | 12,8 |
| YI3 | 3,95 | 3,2 | 12,8 | 12,8 |
| YI4 | 5,30 | 4,0 | 17,3 | 17,3 |
| YI5 | 6,30 | 5,8 | 23,6 | 22,3 |



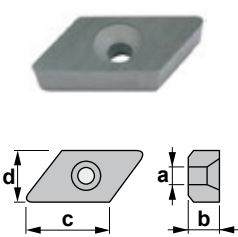
Threading shim seats / Plaques base per eines de roscar

| | | | | |
|---|-------------------------|------|------|------|
|  | Reference Referència | a | b | c |
| | 3126R | 12,8 | 4,76 | 11,2 |
| | 3132R | 16,9 | 4,76 | 14,0 |
|  | Reference Referència | a | b | c |
| | 3132L | 16,9 | 4,76 | 14,0 |

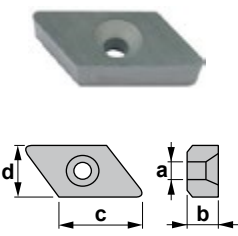
Trigon shim seats / Plaques base trigones

| | | | | | |
|---|-------------------------|-----|------|------|------|
|  | Reference Referència | a | b | c | d |
| | 3007 | 4,9 | 3,18 | 11,3 | 10,8 |
| | 3008 | 6,4 | 3,18 | 15,8 | 15,2 |
|  | Reference Referència | a | b | c | d |
| | 3006 | 5,1 | 3,18 | 11,3 | 10,8 |
| | IWSN-322 | 5,7 | 3,18 | 11,9 | 11,4 |
| | IWSN-433 | 7,3 | 4,76 | 16,0 | 15,3 |

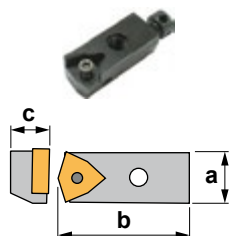
KNUX - Shim seats / Plaques base per plaquetes KNUX

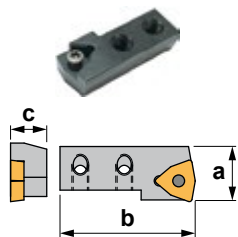
| | | | | | |
|---|-------------------------|-----|------|------|------|
|  | Reference Referència | a | b | c | d |
| | 3226 | 3,3 | 4,76 | 14,5 | 9,25 |

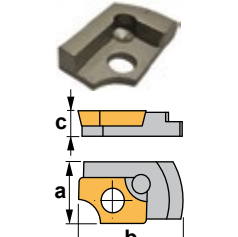
KNUX - Shim seats / Plaques base per plaquetes KNUX

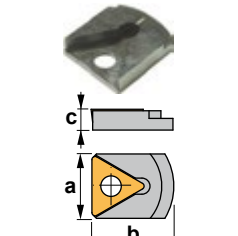
|  | Reference Referència | a | b | c | d |
|---|-------------------------|-----|------|------|------|
| | 3236 | 3,3 | 4,76 | 14,5 | 9,25 |

Seats / Cartutxos

|  | Reference Referència | a | b | c |
|--|-------------------------|------|----|------|
| | 6806 | 12,8 | 32 | 10,7 |

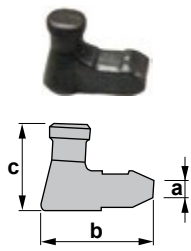
|  | Reference Referència | a | b | c |
|---|-------------------------|------|----|------|
| | 6816 | 16,3 | 40 | 10,7 |

|  | Reference Referència | a | b | c |
|---|-------------------------|------|----|-----|
| | 6925 | 12,7 | 22 | 4,8 |

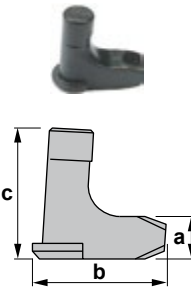
|  | Reference Referència | a | b | c |
|---|-------------------------|----|------|-----|
| | 6926 | 16 | 19,5 | 4,8 |



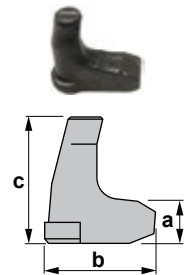
Levers / Palanques



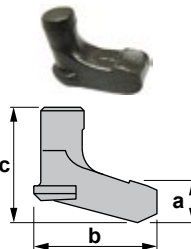
| Reference Referència | a | b | c |
|-------------------------|-----|------|-----|
| 8005 | 2,3 | 10,1 | 7,8 |



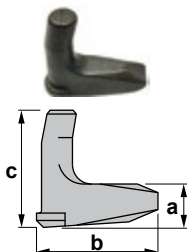
| Reference Referència | a | b | c |
|-------------------------|-----|------|------|
| 8009 | 3,4 | 10,2 | 12,0 |
| 8012 | 4,2 | 13,5 | 13,1 |
| 8015 | 5,3 | 19,2 | 17,2 |
| 8016 | 5,4 | 16,5 | 17,1 |
| 8019 | 8,2 | 20,6 | 21,0 |
| 8025 | 8,2 | 25,7 | 25,2 |



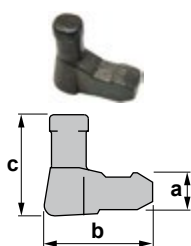
| Reference Referència | a | b | c |
|-------------------------|-----|------|------|
| 8110 | 4,0 | 11,0 | 11,6 |
| 8112 | 4,2 | 13,0 | 13,1 |
| 8120 | 6,8 | 20,4 | 18,4 |
| 8125 | 7,6 | 23,7 | 22,9 |
| 8132 | 9,0 | 30,2 | 26,7 |



| Reference Referència | a | b | c |
|-------------------------|-----|------|------|
| 8212 | 4,7 | 13,4 | 12,1 |
| 8219 | 7,2 | 20,5 | 20,2 |



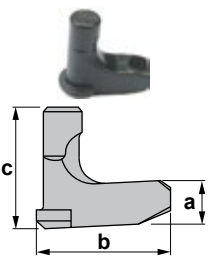
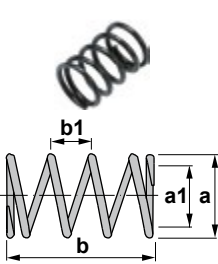
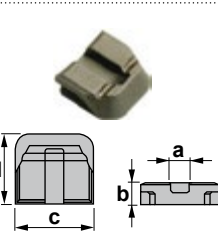
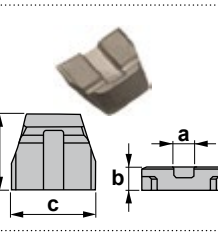
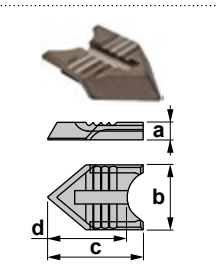
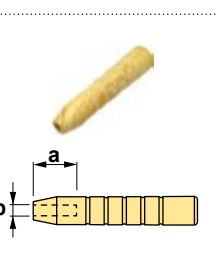
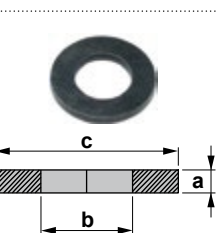
| Reference Referència | a | b | c |
|-------------------------|-----|------|------|
| 8116 | 6,7 | 18,6 | 17,7 |
| 8312 | 4,2 | 13,5 | 13,2 |



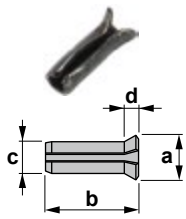
| Reference Referència | a | b | c |
|-------------------------|-----|------|-----|
| 8216 | 3,4 | 10,1 | 9,5 |



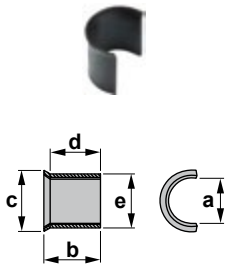
Levers and others / Palanques i altres

| | | | | | |
|---|---------------------------------------|----------|-----------|----------|-----------|
|  | Reference Referència | a | b | c | |
| | 8415 | 5,9 | 16,2 | 14,7 | |
|  | Reference Referència | a | a1 | b | b1 |
| | 4294 | 6,9 | 5,3 | 12,5 | 2,5 |
| | 4295 | 9,5 | 7,0 | 16,5 | 3,5 |
|  | Reference Referència | a | b | c | d |
| | 9414 | 2,6 | 2 | 12,6 | 11 |
|  | Reference Referència | a | b | c | d |
| | 9416 | 3 | 3,5 | 12,6 | 11 |
|  | Reference Referència | a | b | c | d |
| | 9419 | 3,4 | 12,6 | 18,5 | 15,4 |
|  | Reference Referència | a | b | | |
| | 0009 | 15 | 4,0 | | |
| | 0012 | 15 | 5,0 | | |
| | 0015 | 15 | 6,3 | | |
| | 0019 | 12 | 8,5 | | |
| | 0025 | 14 | 12,0 | | |
|  | Reference Referència | a | b | c | |
| | 2803 | 0,5 | 3,2 | 6,8 | |
| | 2804 | 0,8 | 4,3 | 9,0 | |
| | 2806 | 1,5 | 6,4 | 12,0 | |
| | 2808 | 1,6 | 8,4 | 16,0 | |
| | 2810 | 2,5 | 10,5 | 21,0 | |

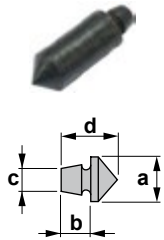
Others / Altres



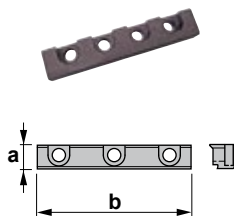
| Reference Referència | a | b | c | d |
|-------------------------|-----|------|-----|-----|
| 4002 | 2,7 | 10,0 | 2,1 | 1,1 |
| 4012 | 3,6 | 10,0 | 3,0 | 1,5 |
| 4016 | 3,8 | 8,2 | 2,8 | 2,6 |
| 4022 | 4,5 | 10,0 | 4,0 | 1,5 |



| Reference Referència | a | b | c | d | e |
|-------------------------|------|------|------|-----|------|
| 4109 | 4,4 | 5,2 | 5,7 | 4,6 | 4,9 |
| 4110 | 4,4 | 6,8 | 5,6 | 6,1 | 4,9 |
| 4112 | 5,5 | 5,9 | 7,0 | 5,2 | 6,6 |
| 4115 | 7,0 | 9,2 | 9,0 | 7,7 | 8,2 |
| 4116 | 5,4 | 9,2 | 6,8 | 8,5 | 6,5 |
| 4119 | 8,5 | 11,3 | 10,5 | 9,8 | 9,7 |
| 4125 | 10,0 | 11,9 | 15,2 | 9,7 | 13,2 |
| 4129 | 8,3 | 9,2 | 10,5 | 8,4 | 9,8 |
| 4133 | 8,3 | 9,2 | 10,4 | 8,4 | 9,8 |
| 4135 | 5,5 | 7,7 | 7,2 | 6,8 | 6,6 |



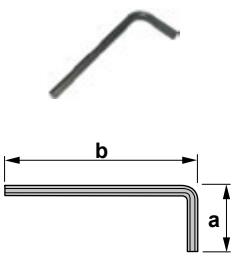
| Reference Referència | a | b | c | d |
|-------------------------|-----|-----|-----|------|
| 4201 | 4,8 | 3,1 | 2,5 | 5,9 |
| 4202 | 4,8 | 3,1 | 2,5 | 8,1 |
| 4203 | 4,8 | 3,1 | 2,5 | 12,5 |
| 4204 | 4,8 | 3,1 | 2,5 | 14,5 |



| Reference Referència | a | b |
|-------------------------|------|-----|
| 2916 | 10,0 | 64 |
| 2920 | 16,2 | 75 |
| 2930 | 19,3 | 84 |
| 2935 | 19,3 | 94 |
| 2942 | 19,3 | 104 |
| 2950 | 21,0 | 110 |

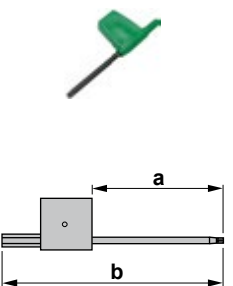


Wrenches (Allen) / Claus (Allen)



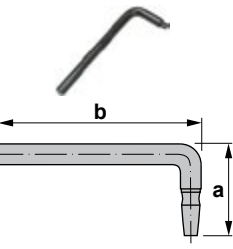
| Reference Referència | a | b | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|------|------|----------------|--|
| 5002 | 18,0 | 51,5 | A2 | 1.4 |
| 5003 | 22,2 | 64,4 | A3 | 3.0 |
| 5004 | 27,6 | 72,6 | A4 | 3.5 |
| 5005 | 32,0 | 83,0 | A5 | 4.0 |
| 5006 | 37,0 | 96,0 | A6 | - |
| 5015 | 14,4 | 45,5 | A1.5 | 0.6 |
| 5025 | 19,0 | 57,3 | A2.5 | 2.0 |

Wrenches (Torx) / Claus (Torx)

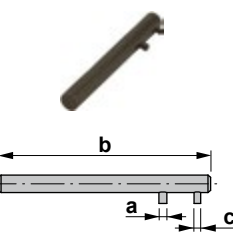


| Reference Referència | a | b | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|------|------|----------------|--|
| 5506 | 34,5 | 62,0 | T6 | 0.6 |
| 5507 | 35,0 | 63,0 | T7 | 0.9 |
| 5508 | 44,0 | 72,0 | T8 | 1.2 |
| 5509 | 38,0 | 74,0 | T9 | 1.4 |
| 5510 | 38,0 | 74,0 | T10 | 2.0 |
| 5515 | 45,5 | 82,5 | T15 | 3.0 |
| 5516 | 42,7 | 86,7 | T15 / A3.5 | 3.0 / - |
| 5517 | 45,7 | 95,7 | T15 / A4 | 3.0 / 3.5 |
| 5520 | 45,9 | 80,0 | T20 | 4.0 |
| 5525 | 53,0 | 92,0 | T25 | 5.0 |

Wrenches for blades / Claus per les lames

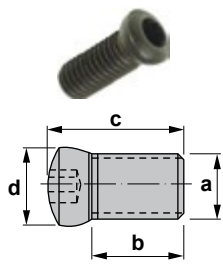


| Reference Referència | a | b |
|-------------------------|------|----|
| 5732 | 27,5 | 81 |

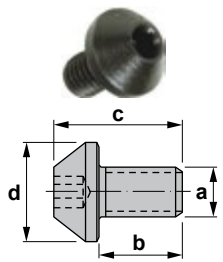


| Reference Referència | a | b | c |
|-------------------------|---|----|-----|
| 5735 | 3 | 80 | 2,5 |

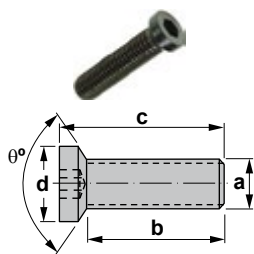
Screws (Allen) / Cargols (Allen)



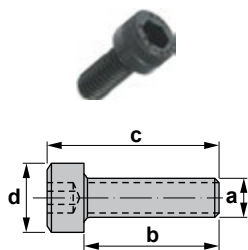
| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|------|------|------|----------------|----------------|--|
| 1004 | M4x0.7 | 6,8 | 10,0 | 5,6 | - | A2 | 1.4 |
| 1005 | M5x0.8 | 8,7 | 12,0 | 6,8 | - | A2.5 | 2.0 |
| 1006 | M6x1 | 11,2 | 17,0 | 9,0 | - | A4 | 3.5 |
| 1006L | M6x1L | 11,2 | 17,0 | 9,0 | - | A4 | 3.5 |
| 1008 | M8x1.25 | 16,6 | 22,0 | 11,0 | - | A5 | 4.0 |
| 1016 | M6x1 | 6,6 | 12,4 | 9,0 | - | A4 | 3.5 |



| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|--------|-----|------|-----|----------------|----------------|--|
| 1025 | M5x0.8 | 8,0 | 12,5 | 9,8 | - | A3 | 3.0 |



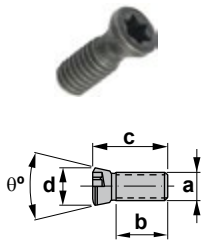
| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|------|------|------|----------------|----------------|--|
| 1058 | M8x1.25 | 29,0 | 35,0 | 11,0 | 45 | A5 | 4.0 |
| 1175 | M5x0.8 | 9,7 | 14,7 | 8,6 | 88 | A4 | 3.5 |



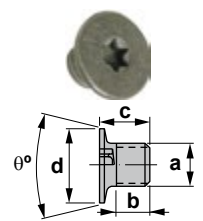
| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|------|------|------|----------------|----------------|--|
| 1076 | M6x1 | 30,0 | 36,0 | 10,0 | - | A5 | 4.0 |
| 1095 | M5x0.8 | 8,2 | 11,8 | 8,4 | - | A4 | 3.5 |
| 1195 | M5x0.8 | 6,0 | 10,8 | 8,3 | - | A4 | 3.5 |
| 1296 | M6x1 | 10,0 | 14,0 | 9,8 | - | A5 | 4.0 |
| 1396 | M6x1 | 16,0 | 21,9 | 9,75 | - | A5 | 4.0 |
| 1788 | M8x1.25 | 16,0 | 21,0 | 13,0 | - | A5 | 4.0 |
| 912.10 | M10x1.5 | 25,0 | 35,0 | 16,0 | - | A8 | - |
| 912.11 | M10 | 25,0 | 31,0 | 16,0 | - | A7 | - |
| 912.12 | M12x1.7 | 30,0 | 42,0 | 18,0 | - | A10 | - |
| 912.16 | M16x2 | 35,0 | 51,0 | 24,0 | - | A14 | - |
| 912.17 | M16x2 | 35,0 | 44,0 | 24,0 | - | A12 | - |
| 912.20 | M20x2.5 | 39,5 | 51,0 | 30,0 | - | A14 | - |
| 912.52 | M12 | 50,0 | 62,0 | 18,0 | - | A10 | - |
| 912.56 | M16x2 | 47,0 | 63,0 | 24,0 | - | A14 | - |



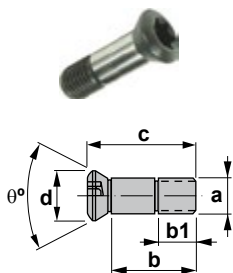
Screws (Torx) / Cargols (Torx)



| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|-----------|------|------|------|----|----------------|--|
| 1182 | M8x1 | 9,5 | 13,5 | 10,5 | 60 | T25 | 5.0 |
| 1222 | M2.2x0.45 | 3,5 | 6,0 | 3,3 | 55 | T6 | 0.6 |
| 1225 | M2.5x0.45 | 4,0 | 7,0 | 3,3 | 55 | T7 | 0.9 |
| 1230 | M3x0.5 | 5,6 | 9,0 | 4,4 | 55 | T8 | 1.2 |
| 1235 | M3.5 | 6,5 | 9,5 | 5,3 | 55 | T15 | 3.0 |
| 1240 | M4x0.7 | 6,2 | 11,0 | 5,3 | 55 | T15 | 3.0 |
| 1240-IP | M4x0.7 | 6,5 | 10,0 | 5,3 | 60 | T15-IP | 3.5 |
| 1244 | M4x0.7 | 8,0 | 12,0 | 7,0 | 55 | T20 | 4.0 |
| 1245 | M4.5x0.75 | 7,4 | 11,4 | 6,4 | 55 | T15 | 3.0 |
| 1250 | M5x0.8 | 6,0 | 12,0 | 7,0 | 55 | T20 | 4.0 |
| 1261 | M6x1 | 8,5 | 13,0 | 7,9 | 55 | T25 | 5.0 |
| 1335 | M3.5x0.6 | 10,2 | 15,0 | 5,3 | 55 | T15 | 3.0 |
| 1341 | M4x0.7 | 4,7 | 9,0 | 5,3 | 55 | T15 | 3.0 |
| 1425 | M2.5x0.45 | 3,0 | 5,5 | 3,3 | 55 | T7 | 0.9 |
| 1430 | M3x0.5 | 2,8 | 5,8 | 4,4 | 55 | T8 | 1.2 |
| 1430-IP | M3x0.5 | 4,0 | 6,7 | 3,9 | 60 | T10-IP | 2.5 |
| 1435 | M3.5 | 3,1 | 7,0 | 5,3 | 55 | T15 | 3.0 |
| 1440 | M4x0.7 | 3,2 | 7,5 | 5,3 | 55 | T15 | 3.0 |
| 1440-IP | M4x0.7 | 4,2 | 8,0 | 5,3 | 60 | T15-IP | 3.5 |
| 1445 | M4.5x0.75 | 5,4 | 9,0 | 6,3 | 55 | T15 | 3.0 |
| 1550 | M5x0.8 | 5,9 | 11,0 | 6,4 | 43 | T20 | 4.0 |
| 1622 | M2.2x0.45 | 4,0 | 6,0 | 3,4 | 60 | T7 | 0.9 |
| 1625 | M2.5x0.45 | 3,6 | 6,5 | 3,8 | 60 | T8 | 1.2 |
| 1630 | M3x0.5 | 5,2 | 8,3 | 4,3 | 60 | T9 | 1.4 |
| 1635 | M3.5x0.6 | 5,5 | 9,0 | 4,7 | 60 | T10 | 2.0 |
| 1640 | M4 | 7,0 | 10,5 | 5,5 | 60 | T15 | 3.0 |
| 1840 | M4 | 3,2 | 7,5 | 5,0 | 40 | T15 | 3.0 |
| 1845 | M4.5x0.75 | 6,9 | 9,0 | 6,5 | 90 | T15 | 3.0 |
| 1846 | M4.5x0.75 | 6,5 | 7,0 | 6,5 | 90 | T15 | 3.0 |
| 1847 | M4.5x0.75 | 8,0 | 11,0 | 6,7 | 90 | T15 | 3.0 |
| 1908 | M8x1 | 13,0 | 20,0 | 10,4 | 60 | T15 | 3.0 |
| 1910 | M10x2.5 | 17,5 | 25,0 | 15,0 | 60 | T15 | 3.0 |



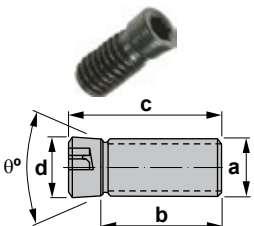
| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|-----------|-----|-----|-----|-----|----------------|--|
| 1735 | M3.5 | 1,0 | 3,0 | 5,2 | 90 | T7 | 0.9 |
| 1745 | M4.5x0.75 | 3,8 | 5,2 | 6,7 | 100 | T15 | 3.0 |
| 1835 | M3.5x0.6 | 2,0 | 4,0 | 5,2 | 90 | T7 | 0.9 |



| Reference Referència | a | b | b1 | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|----------|------|-----|------|------|----|----------------|--|
| 1353 | M3x0.35 | 6,0 | 2,8 | 7,9 | 3,7 | 40 | T8 | 1.2 |
| 1354 | M3.5x0.6 | 7,2 | 3,7 | 9,6 | 4,7 | 40 | T10 | 2.0 |
| 1359 | M4x0.5 | 6,8 | 3,2 | 8,8 | 5,8 | 62 | T15 | 3.0 |
| 1509 | M5x0.5 | 7,9 | 3,6 | 9,5 | 6,7 | 62 | T20 | 4.0 |
| 1519 | M5x0.5 | 10,0 | 4,5 | 12,8 | 7,5 | 62 | T20 | 4.0 |
| 1529 | M5x0.5 | 12,7 | 4,7 | 15,5 | 7,5 | 62 | T20 | 4.0 |
| 1609 | M6x0.75 | 17,6 | 7,1 | 20,6 | 9,5 | 62 | T30 | 7.0 |
| 1619 | M4x0.7 | 10,4 | 5,6 | 13,6 | 5,7 | 42 | T15 | 3.0 |
| 1629 | M5x0.8 | 13,5 | 6,0 | 16,8 | 6,9 | 40 | T20 | 4.0 |
| 1649 | M8x1 | 21,2 | 8,0 | 26,4 | 11,9 | 60 | T30 | 7.0 |
| 1809 | M8x0.75 | 21,5 | 8,8 | 26,2 | 11,9 | 62 | T30 | 7.0 |

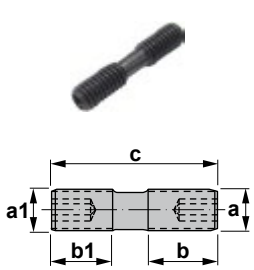


Screws (Torx) / Cargols (Torx)



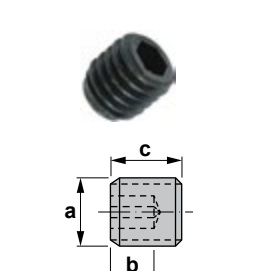
| Reference Referència | a | b | c | d | θ° | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|------|-----|------|-----|-----|----------------|--|
| 1460 | M6x1 | 8,7 | 13,6 | 6,3 | 120 | T20 | 4.0 |

Clamp screws / Cargols per brida



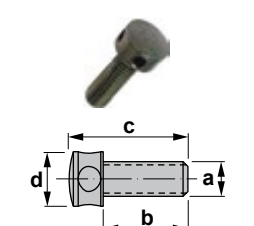
| Reference Referència | a | a1 | b | b1 | c | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|----------|----------|------|------|----|----------------|--|
| 1066 | M6x1R | M6x1L | 8,0 | 9,0 | 21 | T15 | 3.0 |
| 1077 | M7x0.75R | M7x0.75L | 7,5 | 7,5 | 18 | T20 | 4.0 |
| 1088 | M8x1.25R | M8x1.25L | 10,0 | 10,0 | 24 | A4 | 3.5 |
| 1166 | M6x1R | M6x1L | 4,5 | 4,5 | 13 | T15 | 3.0 |
| 1188 | M8x1R | M8x1L | 7,0 | 7,2 | 18 | A4 | 3.5 |
| 1266 | M6x1R | M6x1L | 6,0 | 6,0 | 16 | T15 | 3.0 |
| 1388 | M8x1.25R | M8x1.25L | 8,0 | 8,0 | 20 | A4 | 3.5 |
| 1888 | M8x1R | M8x1L | 9,5 | 9,5 | 22 | A4 | 3.5 |

Set screws / Presoners



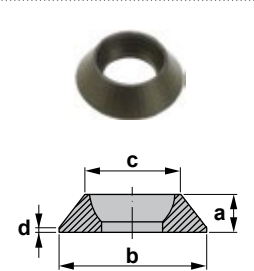
| Reference Referència | a | b | c | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|---------|-----|----|----------------|--|
| 1503 | M3x0.5 | 2,0 | 4 | A1.5 | 0.6 |
| 1504 | M4x0.7 | 2,0 | 4 | A2 | 1.4 |
| 1505 | M5x0.8 | 3,0 | 5 | A2.5 | 2.0 |
| 1506 | M6x1 | 4,0 | 5 | A3 | 3.0 |
| 1508 | M8x1.25 | 5,0 | 8 | A4 | 3.5 |
| 1515 | M5x0.8 | 4,0 | 8 | A4 | 3.5 |
| 1517 | M5x0.8 | 3,5 | 12 | A2.5 | 2.0 |
| 1518 | M5x0.8 | 3,5 | 16 | A2.5 | 2.0 |
| 1534 | M4x0.7 | 3,5 | 8 | A2 | 1.4 |

Adjustable screws / Cargols de regulació



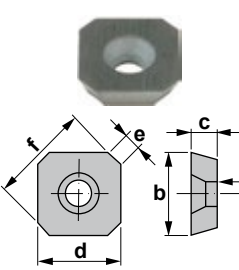
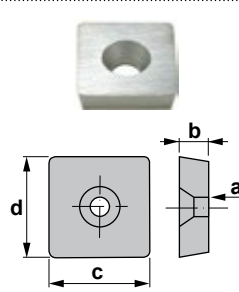
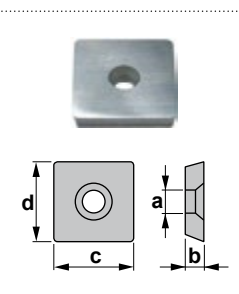
| Reference Referència | a | b | c | d | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|-------------------------|--------|------|------|---|----------------|--|
| 1405 | M5x0.8 | 10,5 | 16,5 | 9 | A2 | 1.4 |

Washers / Volanderes

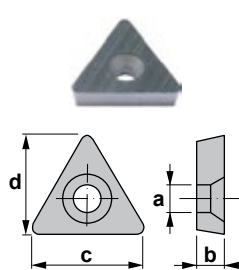


| Reference Referència | a | b | c | d |
|-------------------------|-----|----|------|-----|
| 2009 | 3,0 | 9 | 6,2 | 0,4 |
| 2010 | 3,2 | 10 | 7,2 | 0,6 |
| 2054 | 3,7 | 14 | 7,2 | 0,6 |
| 2063 | 4,2 | 14 | 10,2 | 0,6 |
| 2064 | 4,2 | 14 | 10,2 | 0,6 |
| 2066 | 4,2 | 16 | 10,2 | 0,6 |
| 2088 | 5,2 | 18 | 12,2 | 1,4 |

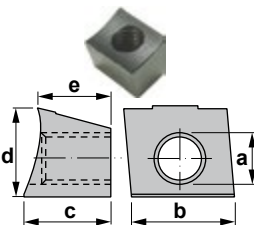
Square shim seats / Plaques base quadrades

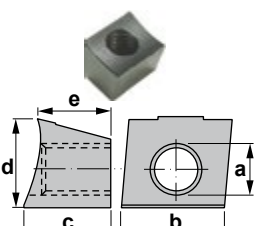
| | | | | | | | |
|--|-------------------------|-----|-------|------|------|------|----|
|  | Reference Referència | a | b | c | d | e | f |
| | 3010 | 3,2 | 10,35 | 3,18 | 10,3 | 2,44 | 12 |
|  | Reference Referència | a | b | c | d | | |
| | 3012 | 3,3 | 3,18 | 11,2 | 11,2 | | |
|  | Reference Referència | a | b | c | d | | |
| | 3212 | 3,3 | 3,18 | 12,5 | 12,5 | | |

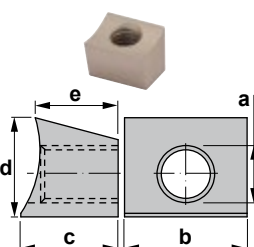
Triangular shim seats / Plaques base triangulars

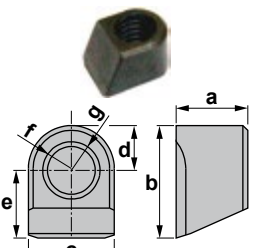
| | | | | | |
|---|-------------------------|-----|------|-------|------|
|  | Reference Referència | a | b | c | d |
| | 3016 | 3,3 | 3,18 | 13,00 | 11,5 |
| | 3022 | 4,3 | 3,18 | 17,19 | 15,1 |

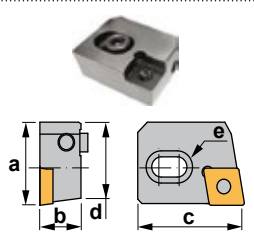
Wedges and seats / Falques i cartutxos

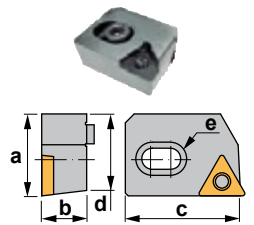
|  | Reference Referència | a | b | c | d | e |
|---|-------------------------|----------|------|------|------|------|
| | 6031 | M6x1L | 13,0 | 6,0 | 8,3 | 4,8 |
| | 6032 | M6x1L | 13,0 | 6,0 | 8,5 | 4,8 |
| | 6055 | M8x1L | 14,6 | 10,0 | 13,5 | 10,0 |
| | 6434 | M7x0.75L | 15,0 | 10,0 | 11,8 | 10,0 |
| | 6437 | M7x0.75L | 13,8 | 8,5 | 11,8 | 8,5 |

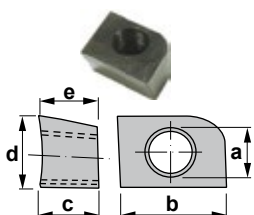
|  | Reference Referència | a | b | c | d | e |
|---|-------------------------|----------|------|-----|------|-----|
| | 6432 | M7x0.75L | 12,3 | 8,5 | 14,0 | 8,5 |
| | 6433 | M7x0.75L | 15,0 | 8,5 | 11,8 | 8,5 |
| | 6488 | M7x0.75L | 12,0 | 8,0 | 12,4 | 8,0 |
| | 6490 | M7x0.75L | 10,7 | 8,0 | 11,9 | 8,0 |

|  | Reference Referència | a | b | c | d | e |
|---|-------------------------|----------|------|------|------|------|
| | 6109 | M6x1L | 10,2 | 10,0 | 10,2 | 8,5 |
| | 6112 | M8x1L | 13,2 | 10,0 | 13,0 | 8,5 |
| | 6113 | M8x1.25L | 17,0 | 13,5 | 13,9 | 11,5 |

|  | Reference Referència | a | b | c | d | e | f | g |
|---|-------------------------|-----|------|---|-----|-----|------|----|
| | 6226 | 7,5 | 11,8 | 9 | 4,7 | 7,1 | R4,5 | M6 |

|  | Reference Referència | a | b | c | d | e |
|---|-------------------------|------|------|------|-------|------|
| | 6312 | 22,5 | 10,5 | 35,0 | 33,75 | R5.5 |
| | 6412 | 27,8 | 15,3 | 38,2 | 25,90 | R5.5 |

|  | Reference Referència | a | b | c | d | e |
|---|-------------------------|------|------|------|-------|------|
| | 6316 | 22,5 | 10,5 | 35,0 | 33,75 | R5.5 |
| | 6416 | 27,8 | 17,5 | 38,5 | 25,90 | R5.5 |

|  | Reference Referència | a | b | c | d | e |
|---|-------------------------|----------|------|-----|------|-----|
| | 6435 | M7x0.75L | 15,0 | 8,5 | 11,8 | 8,5 |

Seats and cartridges / Bases i cartutxos

| | | | | | | |
|--|-------------------------|----------|------|------|------|------|
| | Reference Referència | a | b | c | d | e |
| | 6436 | M7x0.75L | 15,5 | 10,0 | 11,8 | 10,0 |
| | 6438 | M7x0.75L | 18,0 | 8,5 | 11,8 | 8,5 |
| | 6489 | M7x0.75L | 21,8 | 8,0 | 12,5 | 8,0 |
| | 6491 | M7x0.75L | 21,0 | 8,0 | 12,6 | 8,0 |
| | Reference Referència | a | b | c | | |
| | 6230 | 15 | 40 | 8,3 | | |
| | Reference Referència | a | b | c | | |
| | 6232 | 15 | 40 | 8,3 | | |
| | Reference Referència | a | b | c | | |
| | 6255 | 15 | 40 | 8,3 | | |
| | Reference Referència | a | b | c | | |
| | 6742 | 15 | 40 | 8,3 | | |
| | Reference Referència | a | b | c | | |
| | 6748 | 15 | 40 | 8,3 | | |
| | Reference Referència | a | b | c | | |
| | 6845 | 15 | 40 | 8,3 | | |
| | 6846 | 15 | 40 | 8,3 | | |



Seats and cartridges / Bases i cartutxos

| Reference Referència | a | b | c |
|-------------------------|------|----|------|
| 6936 | 17,5 | 14 | 13,0 |
| 6937 | 17,5 | 14 | 13,0 |
| 6938 | 17,5 | 14 | 13,0 |
| 6939 | 17,5 | 14 | 13,0 |
| 6940 | 19,0 | 18 | 16,2 |
| 6941 | 19,0 | 18 | 16,2 |

| Reference Referència | a | b | c |
|-------------------------|------|----|------|
| 6526 | 11,5 | 27 | 5,93 |

| Reference Referència | a | b | c |
|-------------------------|------|------|----|
| 6912 | 18,9 | 33,2 | 12 |
| 6914 | 19,0 | 32,6 | 12 |

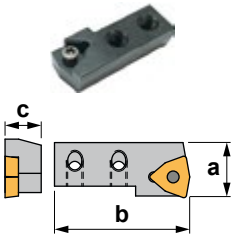
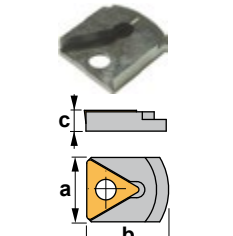
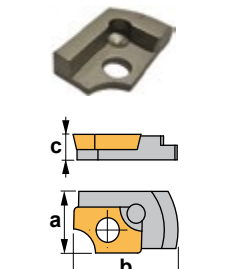
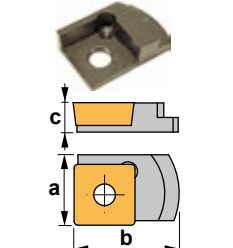
| Reference Referència | a | b | c |
|-------------------------|------|----|------|
| 6918 | 19,2 | 35 | 11,2 |
| 6920 | 20,6 | 35 | 11,3 |

| Reference Referència | a | b | c |
|-------------------------|------|------|------|
| 6927 | 15,5 | 33,2 | 11,8 |
| 6942 | 18,1 | 31,2 | 12,5 |

| Reference Referència | a | b | c |
|-------------------------|------|----|------|
| 6806 | 12,8 | 32 | 10,7 |

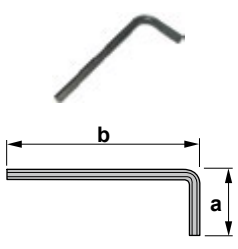


Seats and cartridges / Bases i cartutxos

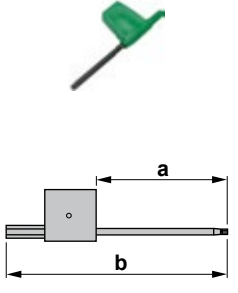
| | | | | |
|---|---------------------------------------|----------|----------|----------|
|  | Reference Referència | a | b | c |
| | 6816 | 16,3 | 40 | 10,7 |
|  | Reference Referència | a | b | c |
| | 6921 | 11 | 12,9 | 2,9 |
| | 6926 | 16 | 19,5 | 4,8 |
|  | Reference Referència | a | b | c |
| | 6925 | 12,7 | 22 | 4,8 |
|  | Reference Referència | a | b | c |
| | 6944 | 14,3 | 21,7 | 5,9 |

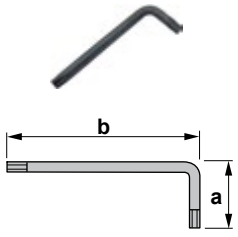


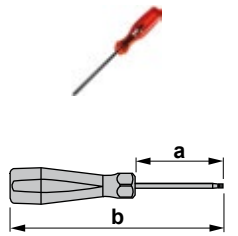
Wrenches (Allen) / Claus (Allen)

|  | Reference Referència | a | b | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|---|-------------------------|------|------|----------------|--|
| | | 5002 | 18,0 | 51,5 | A2 |
| | 5003 | 22,2 | 64,4 | A3 | 3.0 |
| | 5004 | 27,6 | 72,6 | A4 | 3.5 |
| | 5005 | 32,0 | 83,0 | A5 | 4.0 |
| | 5006 | 37,0 | 96,0 | A6 | - |
| | 5015 | 14,4 | 45,5 | A1.5 | 0.6 |
| | 5025 | 19,0 | 57,3 | A2.5 | 2.0 |

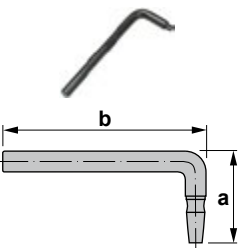
Wrenches (Torx) / Claus (Torx)

|  | Reference Referència | a | b | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|---|-------------------------|------|------|----------------|--|
| | | 5506 | 34,5 | 62,0 | T6 |
| | 5507 | 35,0 | 63,0 | T7 | 0.9 |
| | 5508 | 44,0 | 72,0 | T8 | 1.2 |
| | 5509 | 38,0 | 74,0 | T9 | 1.4 |
| | 5510 | 38,0 | 74,0 | T10 | 2.0 |
| | 5510-IP | 38,0 | 74,0 | T10-IP | 2.5 |
| | 5515 | 45,5 | 82,5 | T15 | 3.0 |
| | 5515-IP | 45,5 | 82,5 | T15-IP | 3.5 |
| | 5520 | 45,9 | 80,0 | T20 | 4.0 |
| | 5525 | 53,0 | 92,0 | T25 | 5.0 |

|  | Reference Referència | a | b | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|---|-------------------------|------|------|----------------|--|
| | | 5530 | 27,6 | 77,6 | T30 |

|  | Reference Referència | a | b | Wrench Clau | Torque (N.m) Parell de serratge (N·m) |
|---|-------------------------|-------|-------|----------------|--|
| | | 5607 | 50,8 | 129,3 | T7 |
| | 5608 | 59,0 | 136,0 | T8 | 1.2 |
| | 5610 | 79,2 | 177,0 | T10 | 2.0 |
| | 5615 | 66,6 | 99,0 | T15 | 3.0 |
| | 5620 | 100,0 | 207,7 | T20 | 4.0 |
| | 5625 | 100,0 | 208,0 | T25 | 5.0 |

Wrenches for blades / Claus per lames

|  | Reference Referència | a | b |
|---|-------------------------|------|------|
| | | 5732 | 27,5 |