

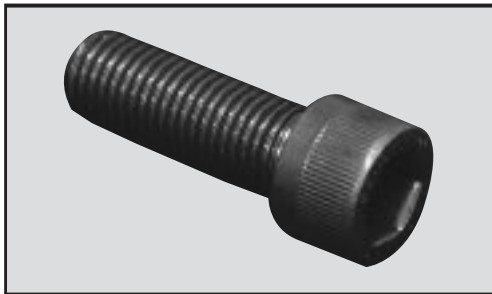
Fasteners

Unbrako fasteners are the strongest off the shelf threaded fasteners you can buy. When purchasing Unbrako socket screws, you can be sure that they meet or exceed the strength levels of all current standards including ANSI, ISO and DIN to name a few.

Why Unbrako?

Reliability, high pressure, stresses and speeds in today's machines and equipment demands stronger more reliable fasteners, as the rising cost of down time is intolerable.,

Socket Head Cap Screws (Metric)



Suitable for all high tensile applications.
Use alloy for tensiles up to 1300Mpa

Sizes M18, M42 and zinc coated are also available

| Length | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M20 | M24 | M27 | M30 | M36 |
|--------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5 | ◆ | ◆ | ◆ | | | | | | | | | | | |
| 6 | ◆ | ◆ | ◆ | | | | | | | | | | | |
| 8 | ◆ | ◆ | ◆ | ◆ | | | | | | | | | | |
| 10 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | | |
| 12 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| 16 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| 20 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | ◆ | | | | | |
| 25 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | |
| 30 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | |
| 35 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | |
| 40 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 45 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 50 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | ◆ | |
| 55 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 60 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 65 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 70 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 75 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 80 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 90 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 100 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 110 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 120 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 130 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 140 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 150 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 160 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 170 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 180 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 190 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 200 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 220 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 230 | | | | | | ◆ | ◆ | | | | ◆ | | | |

Socket Head Cap Screws (Metric) continued

| Length | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M20 | M24 | M27 | M30 | M36 |
|--------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 240 | | | | | ◆ | ◆ | ◆ | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 250 | | | | | ◆ | ◆ | ◆ | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 260 | | | | | | | ◆ | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 280 | | | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 300 | | | | | ◆ | ◆ | ◆ | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 320 | | | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 330 | | | | | | | | | | | ◆ | | | |
| 340 | | | | | | | | | ◆ | ◆ | ◆ | | ◆ | ◆ |
| 350 | | | | | | ◆ | | | ◆ | | ◆ | | | |
| 360 | | | | | | | | | | | | | ◆ | ◆ |
| 380 | | | | | | | | | | | | | ◆ | ◆ |
| 400 | | | | | | | | | | | ◆ | | ◆ | ◆ |
| 420 | | | | | | | | | | | | | ◆ | |
| 460 | | | | | | | | | | | | | | ◆ |
| 480 | | | | | | | | | | | | | | ◆ |
| 500 | | | | | | | | | | | | | | ◆ |
| 520 | | | | | | | | | | | | | | ◆ |
| 540 | | | | | | | | | | ◆ | | | | |
| 560 | | | | | | | | | | | | | | ◆ |
| 580 | | | | | | | | | | | | | | ◆ |

Socket Head Cap Screws (Imperial)

BSW cap screws stocked

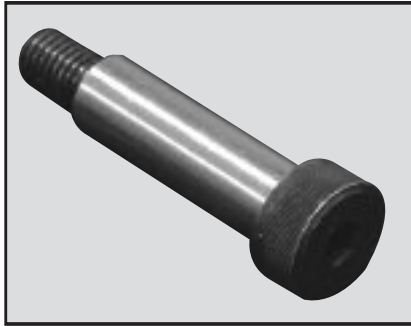
Some sizes available in Threads: UNC, UNF, BSF

Sizes: 7/16, 7/8, 1 1/4, 1 1/2 also available



| Length | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | 1" |
|--------|-----|------|-----|------|-----|-----|-----|-----|----|
| 3/8 | ◆ | ◆ | ◆ | | | | | | |
| 1/2 | ◆ | ◆ | ◆ | ◆ | ◆ | | | | |
| 5/8 | | ◆ | ◆ | ◆ | ◆ | | | | |
| 3/4 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 7/8 | | | ◆ | ◆ | ◆ | | | | |
| 1 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 1 1/4 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 1 1/2 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 1 3/4 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 2 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 2 1/4 | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 2 1/2 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 2 3/4 | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 3 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 3 1/4 | | | | | ◆ | ◆ | ◆ | ◆ | ◆ |
| 3 1/2 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 4 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 4 1/2 | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 5 | | | | | ◆ | ◆ | ◆ | ◆ | ◆ |
| 5 1/2 | | | | | | ◆ | ◆ | | |
| 6 | | | | | ◆ | ◆ | ◆ | ◆ | ◆ |
| 6 1/2 | | | | | | ◆ | ◆ | | |
| 7 | | | | | | ◆ | ◆ | ◆ | ◆ |
| 8 | | | | | | ◆ | ◆ | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

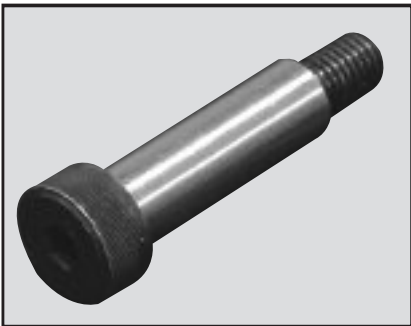
Socket Shoulder Screw (Metric)



Replaces costly special parts, shafts, pivots, pins and guides

| Length | 6mm M5 | 8mm M6 | 10mm M8 | 12mm M10 | 16mm M12 | 20mm M16 | 24mm M20 | Shoulder Diameter Thread |
|--------|-----------|-----------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| 10 | ◆ | ◆ | ◆ | | | | | |
| 12 | ◆ | ◆ | ◆ | ◆ | | | | |
| 16 | ◆ | ◆ | ◆ | ◆ | | | | |
| 20 | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 25 | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 30 | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 40 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 50 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 60 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 70 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 80 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 90 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 100 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 110 | | | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 120 | | | | ◆ | ◆ | ◆ | ◆ | |
| 130 | | | | ◆ | ◆ | | | |
| 140 | | | | ◆ | ◆ | | | |
| 150 | | | | ◆ | ◆ | | | |

Socket Shoulder Screw (Imperial)



Replaces costly special parts, shafts, pivots, pins and guides

| Length | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | Shoulder Diameter "Thread BSW,UNC" |
|--------|-----|------|-----|-----|-----|-----|---------------------------------------|
| 3/8 | ◆ | ◆ | ◆ | | | | |
| 1/2 | ◆ | ◆ | ◆ | ◆ | | | |
| 5/8 | ◆ | ◆ | ◆ | ◆ | | | |
| 3/4 | ◆ | ◆ | ◆ | ◆ | | | |
| 1 | ◆ | ◆ | ◆ | ◆ | | | |
| 1 1/4 | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 1 1/2 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 1 3/4 | | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 2 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 2 1/4 | | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 2 1/2 | | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 2 3/4 | | | ◆ | ◆ | ◆ | ◆ | |
| 3 | | | ◆ | ◆ | ◆ | ◆ | |
| 3 1/2 | | | ◆ | ◆ | ◆ | ◆ | |
| 4 | | | ◆ | ◆ | ◆ | ◆ | |
| 4 1/2 | | | | ◆ | ◆ | ◆ | |
| 5 | | | | | ◆ | ◆ | |

Socket Set Screw (Metric)

Knurled cup point



“dog, flat and cone point also available”

| Length | M1.6 | M2 | M2.5 | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M24 | Thread |
|--------|------|----|------|----|----|----|----|----|-----|-----|-----|-----|-----|--------|
| 3 | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | | | |
| 4 | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | | | |
| 5 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | | |
| 6 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| 8 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | |
| 10 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | |
| 12 | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | |
| 16 | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 20 | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 25 | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 30 | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 35 | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 40 | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 45 | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 50 | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 60 | | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

Socket Set Screw (Imperial)

Knurled cup point



| Length | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | 1 | BSW & UNC Thread |
|--------|-----|------|-----|------|-----|-----|-----|-----|---|------------------|
| 1/8 | ◆ | | | | | | | | | |
| 3/16 | ◆ | ◆ | | | | | | | | |
| 1/4 | ◆ | ◆ | ◆ | ◆ | | | | | | |
| 5/16 | | ◆ | ◆ | ◆ | ◆ | | | | | |
| 3/8 | | ◆ | ◆ | ◆ | ◆ | ◆ | | | | |
| 1/2 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 5/8 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 3/4 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 1 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 1 1/4 | | | | | | ◆ | ◆ | ◆ | ◆ | |
| 1 1/2 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 2 | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 2 1/2 | | | | | | | | ◆ | ◆ | |
| 3 | | | | | | | | ◆ | ◆ | |

Socket Head Countersunk Screws (Metric)



Controlled angle under head ensures maximum flushness and side wall contact, Non-slip hex socket provides positive drive without damage to material, also available in zinc coated

| Length | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|--------|----|----|----|----|----|-----|-----|-----|-----|-----|
| 6 | ◆ | | | | | | | | | |
| 8 | ◆ | ◆ | ◆ | ◆ | | | | | | |
| 10 | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | |
| 12 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | |
| 16 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | |
| 20 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 25 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 30 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 35 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 40 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 45 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 50 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 55 | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 60 | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 70 | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 80 | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ |
| 90 | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ |
| 100 | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ |
| 120 | | | | | | | ◆ | ◆ | ◆ | ◆ |
| 140 | | | | | | | ◆ | ◆ | ◆ | ◆ |
| 160 | | | | | | | ◆ | | | ◆ |
| 180 | | | | | | | | | | ◆ |

Socket Head Countersunk Screws (Imperial)

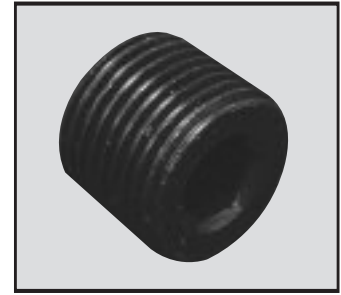


| Length | 3/16 | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 |
|--------|------|-----|------|-----|-----|-----|-----|
| 3/8 | ◆ | ◆ | | | | | |
| 1/2 | ◆ | ◆ | ◆ | ◆ | | | |
| 5/8 | | ◆ | ◆ | ◆ | | | |
| 3/4 | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 1 | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 1 1/4 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 1 1/2 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 1 3/4 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 2 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 2 1/2 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 3 | | | | ◆ | ◆ | ◆ | ◆ |
| 3 1/2 | | | | | | ◆ | ◆ |
| 4 | | | | | | ◆ | ◆ |

BSPT Pressure Plugs

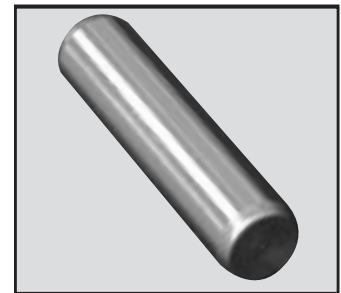
Also available in NPTF
Metric ISO

| Thread Size |
|-------------|
| 1/8 |
| 1/4 |
| 3/8 |
| 1/2 |
| 5/8 |
| 3/4 |
| 1 |
| 1 1/4 |
| 1 1/2 |



Standard Dowel Pins (Metric)

“Precision Ground and Hardened Dowel Pins, Standard for die work, also used as bearings, gauges and precision parts. Formed ends and controlled heat treatment prevent chipping. Close tolerances.”

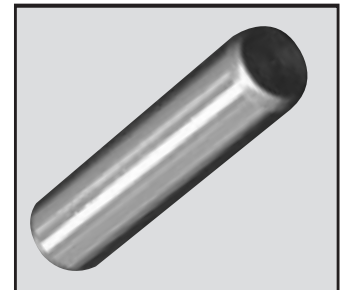


Additional sizes available upon request.

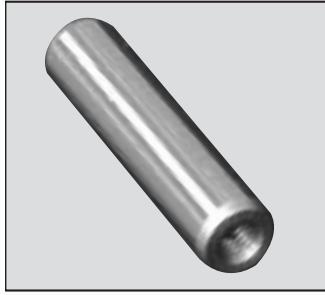
| Length | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M13 | M16 | M20 | M25 | Dia |
|--------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| 10 | ◆ | ◆ | | | | | | | | | | |
| 12 | ◆ | ◆ | ◆ | | | | | | | | | |
| 16 | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| 18 | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| 20 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | |
| 25 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | |
| 30 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | |
| 35 | | ◆ | ◆ | ◆ | ◆ | | ◆ | | | | | |
| 40 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | ◆ | | | |
| 50 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 60 | | | | ◆ | ◆ | ◆ | ◆ | | ◆ | ◆ | ◆ | |
| 65 | | | | | ◆ | | | | | | | |
| 70 | | | | | ◆ | ◆ | ◆ | | ◆ | | | |
| 80 | | | | | | ◆ | ◆ | | ◆ | ◆ | | |
| 90 | | | | | | | | | ◆ | | | |
| 100 | | | | | | ◆ | ◆ | | ◆ | ◆ | | |
| 120 | | | | | | | | | ◆ | ◆ | | |

Standard Dowel Pins (Imperial)

| Length | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 1/2 | Dia |
|--------|-----|------|-----|------|-----|-----|-----|
| 3/8 | ◆ | | | | | | |
| 1/2 | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 5/8 | ◆ | ◆ | | | | | |
| 3/4 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 1 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 1 1/4 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 1 1/2 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 1 3/4 | ◆ | | ◆ | | ◆ | ◆ | |
| 2 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 2 1/4 | | | | ◆ | ◆ | ◆ | |
| 2 1/2 | | | ◆ | ◆ | ◆ | ◆ | |
| 3 | | | | ◆ | ◆ | ◆ | |
| 3 1/2 | | | | | | ◆ | |
| 4 | | | | | | ◆ | |



Tapped Dowel Pins (Metric)

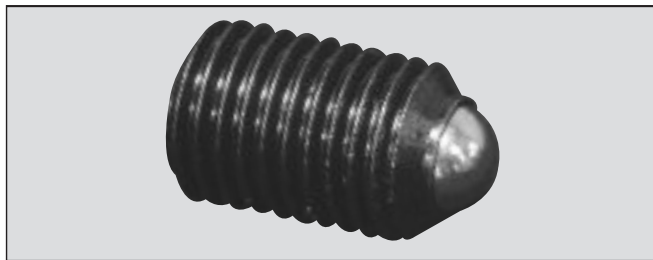


| Length mm | 6mm M4 | 8mm M5 | 10mm M5 | 12mm M6 | 13mm M8 | 16mm M8 | 20mm M10 | Dia Internal Thread |
|-----------|--------|--------|---------|---------|---------|---------|----------|---------------------|
| 20 | ◆ | ◆ | | | | | | |
| 25 | ◆ | ◆ | ◆ | | | | | |
| 30 | ◆ | ◆ | ◆ | ◆ | | | | |
| 35 | ◆ | ◆ | ◆ | ◆ | | | | |
| 40 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| 50 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 60 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 65 | | | | | | | | |
| 70 | | | ◆ | ◆ | | ◆ | | |
| 80 | | | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 90 | | | | | | ◆ | | |
| 100 | | | | ◆ | ◆ | ◆ | ◆ | |
| 120 | | | | | | ◆ | ◆ | |

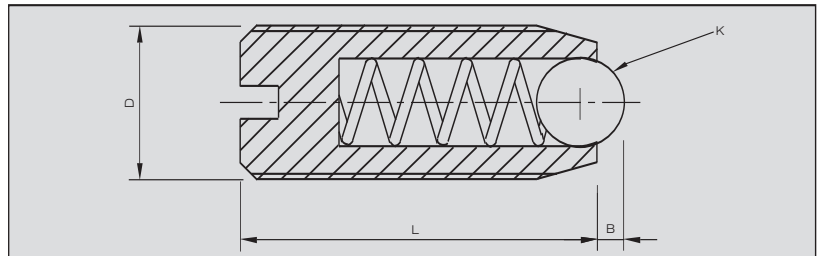
“25mm also available upon request”

Tapped Imperial dowel pins are available upon request

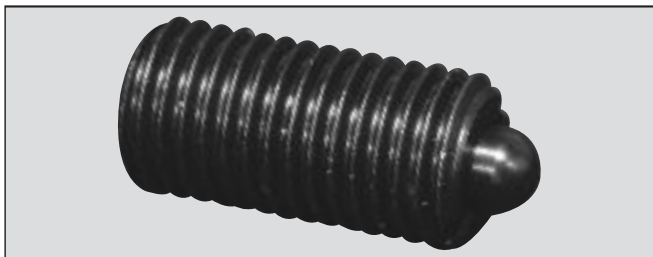
Ball Catches



| Part Number RAM | | | |
|-----------------|-----|----|-----|
| D | K | L | B |
| M6 | 3.5 | 14 | 1.2 |
| M8 | 5 | 16 | 1.8 |
| M10 | 6 | 19 | 2.2 |
| M12 | 8 | 22 | 2.8 |
| M16 | 10 | 24 | 3.4 |



Pin Plungers



| Part Number RBM | | | |
|-----------------|-----|----|-----|
| D | K | L | B |
| M6 | 2.7 | 20 | 2.5 |
| M8 | 3.5 | 22 | 2.5 |
| M10 | 4 | 22 | 2.5 |
| M12 | 6 | 28 | 3.5 |
| M16 | 7.5 | 32 | 4.5 |

