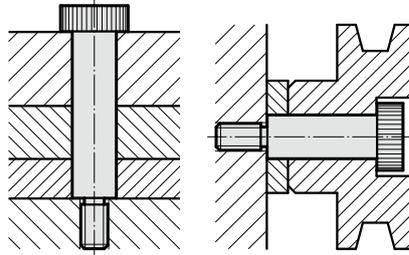


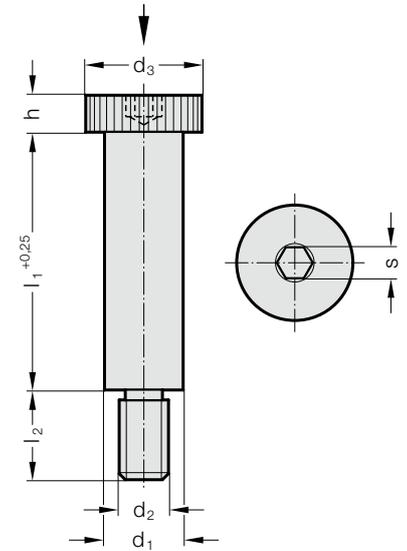
SHOULDER SCREW



Mounting example



244.17.



Material:

High tensile steel,
heat treated to 12.9 ISO 898-1.

Execution:

d₁ ground,
heads knurled.

Order example:

Tolerance range d₁ h8 = 244.17.H8.
Tolerance range d₁ f9 = 244.17.F9.

244.17. Shoulder screw

| | 6 | 8 | 10 | 12 | 16 | 20 | 24 |
|------------------------|-----|-----|----|-----|-----|-----|-----|
| d ₂ | M5 | M6 | M8 | M10 | M12 | M16 | M20 |
| Tightening torque [Nm] | 7 | 13 | 32 | 65 | 120 | 290 | 500 |
| d ₃ | 10 | 13 | 16 | 18 | 24 | 30 | 36 |
| h | 4.5 | 5.5 | 7 | 9 | 11 | 14 | 16 |
| s | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
| l ₂ | 9.5 | 11 | 13 | 16 | 18 | 22 | 27 |
| l ₁ | | | | | | | |
| 10 | ● | ● | | | | | |
| 12 | ● | ● | | | | | |
| 16 | ● | ● | ● | ● | | | |
| 20 | ● | ● | ● | ● | | | |
| 25 | ● | ● | ● | ● | ● | | |
| 30 | ● | ● | ● | ● | ● | ● | |
| 35 | ● | ● | ● | ● | ● | ● | |
| 40 | ● | ● | ● | ● | ● | ● | ● |
| 45 | | | ● | ● | ● | ● | |
| 50 | | ● | ● | ● | ● | ● | ● |
| 55 | | | ● | ● | ● | ● | |
| 60 | | | ● | ● | ● | ● | ● |
| 65 | | | ● | ● | ● | ● | |
| 70 | | | ● | ● | ● | ● | ● |
| 80 | | | ● | ● | ● | ● | ● |
| 90 | | | | ● | ● | ● | ● |
| 100 | | | | | ● | ● | ● |
| 120 | | | | | | ● | ● |

Ordering Code (example):

| | | | |
|---------------------------------------|-----------------------|--------------------------------------|-----------------------|
| Shoulder screw | = 244.17. | Shoulder screw | = 244.17. |
| Tolerance field d ₁ - h8 | = H8. | Tolerance field d ₁ - f9 | = F9. |
| Nominal diameter d ₁ 12 mm | = 120. | Nominal diameter d ₁ 8 mm | = 080. |
| Guide length l ₁ 100 mm | = 100 | Guide length l ₁ 25 mm | = 025 |
| Order No | = 244.17. H8.120. 100 | Order No | = 244.17. F9.080. 025 |