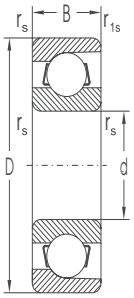
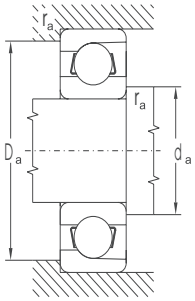
# Schulterkugellager

## d = 10 bis 20 mm




| Abmessungen d | D | B | $r_s$ min | $r_{1s}$ min | Tragzahl dynamische $C_r$ | $C_{or}$ | Ermüdungs-grenz-belastung $P_u$ | Grenzdrehzahl für Schmierung mit Fett | Öl | Lagerbezeichnung |
|---|---|---|---|---|---|---|---|---|---|---|
| mm | | | | | kN | | kN | $min^{-1}$ | | |
| 10 | 28 | 8 | 0.3 | 0.15 | 6.45 | 2.91 | 0.13 | 25000 | 31000 | **E10Y** |
| 12 | 32 | 7 | 0.3 | 0.15 | 6.36 | 3.37 | 0.15 | 22000 | 28000 | **E12TNG** |
| 15 | 35 | 8 | 0.3 | 0.15 | 8.40 | 4.58 | 0.21 | 20000 | 24000 | **E15** |
| | 35 | 8 | 0.3 | 0.15 | 8.40 | 4.58 | 0.21 | 20000 | 24000 | **E15Y** |
| 17 | 44 | 11 | 0.6 | 0.30 | 10.71 | 6.08 | 0.28 | 16000 | 19000 | **E17** |
| | 44 | 11 | 0.6 | 0.30 | 14.72 | 8.07 | 0.37 | 14000 | 17000 | **B017** |
| 20 | 47 | 12 | 1.0 | 0.60 | 15.88 | 9.15 | 0.42 | 14000 | 17000 | **E20** |




| Anschlußmasse | | | | Gewicht |
|---|---|---|---|---|
| d | $d_a$ min | $D_a$ max | $r_a$ max | ~ |
| mm | | | | kg |
| 10 | 12.0 | 25.5 | 0.3 | 0.02 |
| 12 | 14.0 | 29.0 | 0.3 | 0.03 |
| 15 | 17.2 | 31.8 | 0.3 | 0.03 |
| | 17.2 | 31.8 | 0.3 | 0.03 |
| 17 | 22.0 | 39.0 | 0.6 | 0.08 |
| | 22.0 | 39.0 | 0.6 | 0.08 |
| 20 | 26.0 | 42.0 | 1.0 | 0.09 |