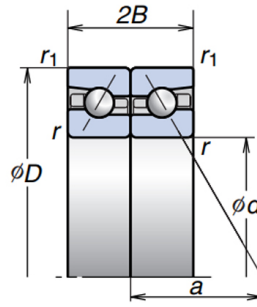


High-Speed Angular Contact Thrust Ball Bearings



| Lager | Abmessungen (mm) | | | | | Grundbelastungswerte (KN) | | Zulässige Axiallast (KN) | Effektiver Lastschwerpunkt(a) | Grenzdrehzahlen (rpm) | | Gewicht (kg) |
|----------|------------------|-----|------|----------|---------|---------------------------|------|--------------------------|-------------------------------|-----------------------|-------|--------------|
| | D | d | 2B | r (Min.) | r1(min) | Kr | Kor | | | Fett | Öl | |
| 50BAR10S | 50 | 80 | 28.5 | 1 | 0.6 | 14.7 | 27.7 | 18.4 | 25.7 | 11600 | 14700 | 0.272 |
| 50BAR10H | 50 | 80 | 28.5 | 1 | 0.6 | 14.7 | 27.7 | 12.6 | 25.7 | 13100 | 16200 | 0.257 |
| 50BTR10S | 50 | 80 | 28.5 | 1 | 0.6 | 17.4 | 31.5 | 21.5 | 34.1 | 10000 | 13100 | 0.272 |
| 50BTR10H | 50 | 80 | 28.5 | 1 | 0.6 | 17.4 | 31.5 | 15.5 | 34.1 | 11600 | 14700 | 0.257 |
| 55BAR10S | 55 | 90 | 33 | 1.1 | 0.6 | 18.2 | 35 | 23.4 | 28.9 | 10400 | 13200 | 0.412 |
| 55BAR10H | 55 | 90 | 33 | 1.1 | 0.6 | 18.2 | 35 | 16 | 28.9 | 11800 | 14500 | 0.391 |
| 55BTR10S | 55 | 90 | 33 | 1.1 | 0.6 | 21.6 | 40 | 26.4 | 38.3 | 9000 | 11800 | 0.412 |
| 55BTR10H | 55 | 90 | 33 | 1.1 | 0.6 | 21.6 | 40 | 19.7 | 38.3 | 10400 | 13200 | 0.391 |
| 60BAR10S | 60 | 95 | 33 | 1.1 | 0.6 | 18.9 | 38 | 25.5 | 30.4 | 9700 | 12300 | 0.42 |
| 60BAR10H | 60 | 95 | 33 | 1.1 | 0.6 | 18.9 | 38 | 17.5 | 30.4 | 11000 | 13600 | 0.397 |
| 60BTR10S | 60 | 95 | 33 | 1.1 | 0.6 | 22.4 | 43.5 | 25.8 | 40.4 | 8400 | 11000 | 0.42 |
| 60BTR10H | 60 | 95 | 33 | 1.1 | 0.6 | 22.4 | 43.5 | 21.5 | 40.4 | 9700 | 12300 | 0.397 |
| 65BAR10S | 65 | 100 | 33 | 1.1 | 0.6 | 19.5 | 41.5 | 27.7 | 31.8 | 9100 | 11600 | 0.447 |
| 65BAR10H | 65 | 100 | 33 | 1.1 | 0.6 | 19.5 | 41.5 | 19 | 31.8 | 10400 | 12800 | 0.406 |
| 65BTR10S | 65 | 100 | 33 | 1.1 | 0.6 | 23.1 | 47 | 27.3 | 42.5 | 7900 | 10400 | 0.447 |
| 65BTR10H | 65 | 100 | 33 | 1.1 | 0.6 | 23.1 | 47 | 23.3 | 42.5 | 9100 | 11600 | 0.406 |
| 70BAR10S | 70 | 110 | 36 | 1.1 | 0.6 | 26.9 | 55 | 37.5 | 34.7 | 8400 | 10600 | 0.601 |
| 70BAR10H | 70 | 110 | 36 | 1.1 | 0.6 | 26.9 | 55 | 25.5 | 34.7 | 9500 | 11700 | 0.561 |
| 70BTR10S | 70 | 110 | 36 | 1.1 | 0.6 | 32 | 63 | 35 | 46.3 | 7300 | 9500 | 0.601 |
| 70BTR10H | 70 | 110 | 36 | 1.1 | 0.6 | 32 | 63 | 31.5 | 46.3 | 8400 | 10600 | 0.561 |
| 75BAR10S | 75 | 115 | 36 | 1.1 | 0.6 | 27.3 | 58 | 39 | 36.1 | 7900 | 10000 | 0.634 |
| 75BAR10H | 75 | 115 | 36 | 1.1 | 0.6 | 27.3 | 58 | 26.7 | 36.1 | 9000 | 11100 | 0.592 |
| 75BTR10S | 75 | 115 | 36 | 1.1 | 0.6 | 32.5 | 65.5 | 36.5 | 48.4 | 6900 | 9000 | 0.634 |
| 75BTR10H | 75 | 115 | 36 | 1.1 | 0.6 | 32.5 | 65.5 | 33 | 48.4 | 7900 | 10000 | 0.592 |
| 80BAR10S | 80 | 125 | 40.5 | 1.1 | 0.6 | 32 | 68.5 | 46.5 | 39.4 | 7400 | 9300 | 0.875 |
| 80BAR10H | 80 | 125 | 40.5 | 1.1 | 0.6 | 32 | 68.5 | 32 | 39.4 | 8300 | 10300 | 0.821 |
| 80BTR10S | 80 | 125 | 40.5 | 1.1 | 0.6 | 38 | 78 | 43 | 52.7 | 6400 | 8300 | 0.875 |
| 80BTR10H | 80 | 125 | 40.5 | 1.1 | 0.6 | 38 | 78 | 39 | 52.7 | 7400 | 9300 | 0.821 |
| 85BAR10S | 85 | 130 | 40.5 | 1.1 | 0.6 | 32.5 | 71.5 | 48.5 | 41.1 | 7000 | 8900 | 0.971 |

High-Speed Angular Contact Thrust Ball Bearings

| | | | | | | | | | | | | |
|----------|----|-----|------|-----|-----|------|------|----|------|------|------|-------|
| 85BAR10H | 85 | 130 | 40.5 | 1.1 | 0.6 | 32.5 | 71.5 | 33 | 41.1 | 8000 | 9800 | 0.915 |
|----------|----|-----|------|-----|-----|------|------|----|------|------|------|-------|