

Single Direction Thrust Ball Bearings SKF®, Single Row, inner diameter 10 - 100 mm

Material: Bearing steel.

- Thrust Ball Bearings for single direction in premium-quality from SKF®.
- For axial load (no radial load permitted).
- Usable for high speed.
- These bearings exist from lose parts: Shaft ring (with ground bore), housing ring (with ground outer diameter and bigger bore) and ball cage with balls. The rings must not be confused with each other. Temperature range: -30°C to +125°C.



Other versions or sizes on request.

Ordering Details: e.g.: Product No. 51100-SKF, Thrust Ball Bearing 10/24/9mm

| Product No. | d mm | D mm | H mm | d ₁ mm | D ₁ mm | r _{min.} mm | Load rating axial | | P _u * kN | Speed base min ⁻¹ | Speed limit min ⁻¹ | Weight g |
|-------------|---------|---------|---------|----------------------|----------------------|-------------------------|-------------------|---------------------------|------------------------|------------------------------------|-------------------------------------|-------------|
| | | | | | | | dyn.C kN | stat.C ₀ kN | | | | |
| 51100-SKF | 10 | 24 | 9 | 24 | 11 | 0,3 | 8,7 | 12,2 | 0,45 | 9.500 | 13.000 | 20 |
| 51200-SKF | 10 | 26 | 11 | 26 | 12 | 0,6 | 12,7 | 18,6 | 0,695 | 8.000 | 11.000 | 30 |
| 51101-SKF | 12 | 26 | 9 | 26 | 13 | 0,3 | 10,4 | 16,6 | 0,62 | 9.000 | 13.000 | 22 |
| 51201-SKF | 12 | 28 | 11 | 28 | 14 | 0,6 | 13,3 | 20,8 | 0,765 | 8.000 | 11.000 | 34 |
| 51102-SKF | 15 | 28 | 9 | 28 | 16 | 0,3 | 10,6 | 18,3 | 0,67 | 8.500 | 12.000 | 23 |
| 51202-SKF | 15 | 32 | 12 | 32 | 17 | 0,6 | 15,9 | 25,0 | 0,915 | 7.000 | 10.000 | 46 |
| 51103-SKF | 17 | 30 | 9 | 30 | 18 | 0,3 | 11,4 | 21,2 | 0,78 | 8.500 | 12.000 | 25 |
| 51203-SKF | 17 | 35 | 12 | 35 | 19 | 0,6 | 16,3 | 27,0 | 1,00 | 6.700 | 9.500 | 53 |
| 51104-SKF | 20 | 35 | 10 | 35 | 21 | 0,3 | 15,1 | 29,0 | 1,08 | 7.500 | 10.000 | 37 |
| 51204-SKF | 20 | 40 | 14 | 40 | 22 | 0,6 | 21,2 | 37,5 | 1,40 | 6.000 | 8.000 | 83 |
| 51105-SKF | 25 | 42 | 11 | 42 | 26 | 0,6 | 18,2 | 39,0 | 1,43 | 6.300 | 9.000 | 56 |
| 51205-SKF | 25 | 47 | 15 | 47 | 27 | 0,6 | 26,5 | 50,0 | 1,86 | 5.300 | 7.500 | 110 |
| 51106-SKF | 30 | 47 | 11 | 47 | 32 | 0,6 | 19,0 | 43,0 | 1,60 | 6.000 | 8.500 | 63 |
| 51206-SKF | 30 | 52 | 16 | 52 | 32 | 0,6 | 25,1 | 51,0 | 1,86 | 4.800 | 6.700 | 130 |
| 51107-SKF | 35 | 52 | 12 | 52 | 37 | 0,6 | 19,9 | 51,0 | 1,86 | 5.600 | 7.500 | 80 |
| 51108-SKF | 40 | 60 | 13 | 60 | 42 | 0,6 | 25,5 | 63,0 | 2,32 | 5.000 | 7.000 | 120 |
| 51109-SKF | 45 | 65 | 14 | 65 | 47 | 0,6 | 26,5 | 69,5 | 2,55 | 4.500 | 6.300 | 140 |
| 51110-SKF | 50 | 70 | 14 | 70 | 52 | 0,6 | 27,0 | 75,0 | 2,80 | 4.300 | 6.300 | 160 |
| 51111-SKF | 55 | 78 | 16 | 78 | 57 | 0,6 | 30,2 | 81,5 | 3,00 | 3.800 | 5.300 | 230 |
| 51112-SKF | 60 | 85 | 17 | 85 | 62 | 1,0 | 41,6 | 122,0 | 4,55 | 3.600 | 5.000 | 270 |
| 51113-SKF | 65 | 90 | 18 | 90 | 67 | 1,0 | 37,7 | 108,0 | 4,00 | 3.400 | 4.800 | 330 |
| 51114-SKF | 70 | 95 | 18 | 95 | 72 | 1,0 | 40,3 | 120,0 | 4,40 | 3.400 | 4.500 | 350 |
| 51115-SKF | 75 | 100 | 19 | 100 | 77 | 1,0 | 44,2 | 134,0 | 4,90 | 3.200 | 4.300 | 400 |
| 51116-SKF | 80 | 105 | 19 | 105 | 82 | 1,0 | 44,9 | 140,0 | 5,10 | 3.000 | 4.300 | 420 |
| 51117-SKF | 85 | 110 | 19 | 110 | 87 | 1,0 | 44,9 | 146,0 | 5,40 | 3.000 | 4.300 | 440 |
| 51118-SKF | 90 | 120 | 22 | 120 | 92 | 1,0 | 59,2 | 208,0 | 7,50 | 2.600 | 3.800 | 670 |
| 51120-SKF | 100 | 135 | 25 | 135 | 102 | 1,0 | 80,6 | 265,0 | 9,15 | 2.400 | 3.200 | 970 |

* Fatigue load limit.



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