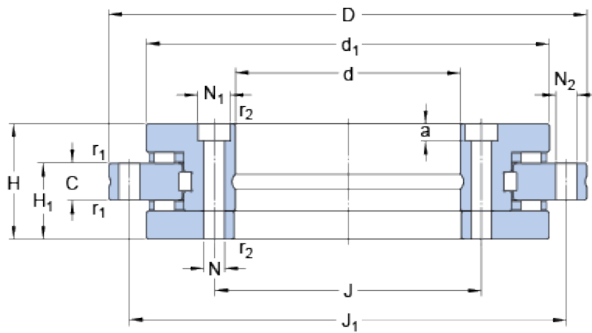




Off-the-shelf SKF shaft Co., Ltd



SKF NRT 150 B Super-precision bearings

Bearing No. NRT 150 B

NRT 150 B Bearing 2D drawings and 3D CAD models

Size	150x240x40 mm
Bore Diameter	150 mm
Outer Diameter	240 mm
Width	40 mm
d	150 mm
D	240 mm
H	40 mm
d ₁	214 mm
C	12 mm
H ₁	26 mm
J	165 mm
J ₁	225 mm
H	7 mm
N ₁	11 mm
N ₂	7 mm
a	6.2 mm
r ₁ - min.	0.6 mm
r ₂ - min.	0.3 mm
Basic dynamic load rating, radial direction - C	67.1 kN
Basic static load rating, radial direction - C ₀	160 kN
Basic dynamic load rating, axial direction - C	75 kN
Basic static load rating, axial direction - C ₀	490 kN



Off-the-shelf SKF shaft Co., Ltd

Limiting speed for grease lubrication	210 r/min
Limiting speed for oil lubrication	420 mm/min
Axial Preload	2.3 N
Axial unloading force	4.9 kN
Frictional moment - C_{RL}	12 N · m
axial stiffness	9.2 N/micron
radial stiffness	5.5 N/micron
Moment stiffness	36000 kN · m/mrad
Mass bearing	5.6 kg
Guideline diameter	350 mm
Size - G	M8
Number of bolts	3
Angle between bolts	120 °
Size bolts	M6
Pitch - α ;	10 °
Number of bolts	33
Number of bolts omitted at removal thread position	3, 120 ° apart
Size bolts	M6
Pitch - α ;	10 °
Number of bolts	34
Number of bolts omitted at retaining bolts position	2, 180 ° apart
Tightening torque	14 N · m
Size	M6
d_1	214 mm
H_1	26 mm
J_1	225 mm
N	7 mm
N_1	11 mm
N_2	7 mm



Off-the-shelf SKF shaft Co., Ltd

r_1 min.	0.6 mm
r_2 min.	0.3 mm
Basic dynamic load rating - radial direction C	67.1 kN
Basic static load rating - radial direction C_0	160 kN
Basic dynamic load rating - axial direction C	75 kN
Basic static load rating - axial direction C_0	490 kN
Attainable speed for grease lubrication	210 r/min
Attainable speed for oil-air lubrication	420 r/min
Axial preload	2.3 kN
Frictional moment C_{RL}	12 N · m
Axial stiffness	9.2 kN/ μ m
Radial stiffness	5.5 kN/ μ m
Guideline rotary table diameter	350 mm
Size G	M8
Number of threads	3
Angle between threads	120 °
Bolt size	M6
Pitch	10 °
Tightening torque (Bolt grade 10.9)	14 N · m
Bolt size	M6
Pitch	10 °