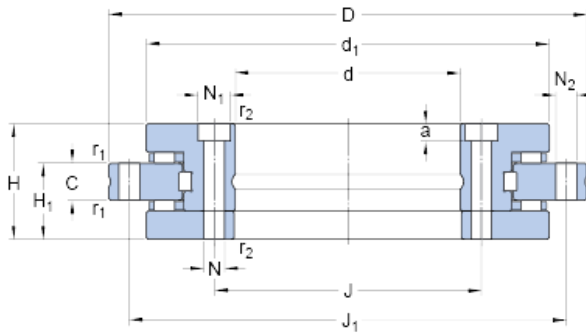




BEARING USA CORP.

SKF NRT 180 B Axial roller bearing

Bearing No. NRT 180 B



NRT 180 B Bearing 2D drawings and 3D CAD models

Size	180x280x43 mm
Bore Diameter	180 mm
Outer Diameter	280 mm
Width	43 mm
d	180 mm
D	280 mm
H	43 mm
d ₁	244 mm
C	15 mm
H ₁	29 mm
J	194 mm
J ₁	260 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	89.7 kN
Basic static load rating, radial direction - C ₀	236 kN
Basic dynamic load rating, axial direction - C	80 kN
Basic static load rating, axial direction - C ₀	560 kN



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Limiting speed for grease lubrication	190 r/min
Limiting speed for oil lubrication	380 mm/min
Axial Preload	2.6 N
Axial unloading force	5.6 kN
Frictional moment - C_{RL}	13 N · m
axial stiffness	10.6 N/micron
radial stiffness	5.8 N/micron
Moment stiffness	54000 kN · m/mrad
Mass bearing	7.5 kg
Guideline diameter	400 mm
Size - G	M8
Number of bolts	3
Angle between bolts	120 °
Size bolts	M6
Pitch - α ;	7.5 °
Number of bolts	45
Number of bolts omitted at removal thread position	3, 120 ° apart
Size bolts	M6
Pitch - α ;	7.5 °
Number of bolts	46
Number of bolts omitted at retaining bolts position	2, 180 ° apart
Tightening torque	14 N · m
Size	M6
d_1	244 mm
H_1	29 mm
J_1	260 mm
N	7 mm
N_1	11 mm
N_2	7 mm



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r_1 min.	0.6 mm
r_2 min.	0.3 mm
Basic dynamic load rating - radial direction C	89.7 kN
Basic static load rating - radial direction C_0	236 kN
Basic dynamic load rating - axial direction C	80 kN
Basic static load rating - axial direction C_0	560 kN
Attainable speed for grease lubrication	190 r/min
Attainable speed for oil-air lubrication	380 r/min
Axial preload	2.6 kN
Frictional moment C_{RL}	13 N · m
Axial stiffness	10.6 kN/ μ m
Radial stiffness	5.8 kN/ μ m
Guideline rotary table diameter	400 mm
Size G	M8
Number of threads	3
Angle between threads	120 °
Bolt size	M6
Pitch	7.5 °
Tightening torque (Bolt grade 10.9)	14 N · m
Bolt size	M6
Pitch	7.5 °