



Bearing No. NRT 180 B

a	6.2 mm
d	180 mm
D	280 mm
H	7 mm
C	15 mm
J	194 mm
N	7 mm
Size	M6
Size G	M8
Size - G	M8
Pitch ?	7.5 °
Bolt size	M6
Size (mm)	180x280x43
Width (mm)	43
Size bolts	M6
Mass bearing	7.5 kg
N ₂	7 mm
Axial preload	2.6 kN
N ₂	7 mm
N ₁	11 mm
N ₁	11 mm
J ₁	260 mm
H ₁	29 mm
Axial Preload	2.6 N
d ₁	244 mm
J ₁	260 mm
H ₁	29 mm
d ₁	244 mm
Pitch - α	7.5 °

Bearing number	NRT 180 B
Axial stiffness	10.6 kN/μm
Number of bolts	46
axial stiffness	10.6 N/micron
radial stiffness	5.8 N/micron
Radial stiffness	5.8 kN/μm
Moment stiffness	54000 kN·m/mrad
Number of threads	3
Tightening torque	14 N·m
Guideline diameter	400 mm
Bore Diameter (mm)	180
r ₂ min.	0.3 mm
r ₁ min.	0.6 mm
Angle between bolts	120 °
Outer Diameter (mm)	280
r ₂ - min.	0.3 mm
r ₁ - min.	0.6 mm
Angle between threads	120 °
Axial unloading force	5.6 kN
Guideline rotary table diameter	400 mm
Frictional moment C _{RL}	13 N·m
Frictional moment - C _{RL}	13 N·m
Limiting speed for oil lubrication	380 mm/min
Tightening torque (Bolt grade 10.9)	14 N·m
Limiting speed for grease lubrication	190 r/min
Attainable speed for grease lubrication	190 r/min
Attainable speed for oil-air lubrication	380 r/min
Basic dynamic load	80 kN

rating - axial direction C	
Basic dynamic load rating, axial direction - C	80 kN
Basic dynamic load rating - radial direction C	89.7 kN
Basic dynamic load rating, radial direction - C	89.7 kN
Number of bolts omitted at removal thread position	3, 120° apart
Number of bolts omitted at retaining bolts position	2, 180° apart
Basic static load rating - axial direction C_0	560 kN
Basic static load rating - radial direction C_0	236 kN
Basic static load rating, axial direction - C_0	560 kN
Basic static load rating, radial direction - C_0	236 kN