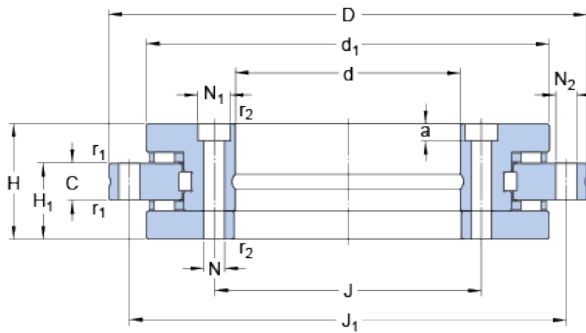




# San Driveshaft Co., Ltd.



## SKF NRT 850 A High Reliability Precision Bearings

Bearing No. NRT 850 A

NRT 850 A Bearing 2D drawings and 3D CAD models

Size	850x1095x124 mm
Bore Diameter	850 mm
Outer Diameter	1095 mm
Width	124 mm
d	850 mm
D	1095 mm
H	124 mm
d <sub>1</sub>	1018 mm
C	37 mm
H <sub>1</sub>	80.5 mm
J	890 mm
J <sub>1</sub>	1055 mm
H	18 mm
N <sub>1</sub>	26 mm
N <sub>2</sub>	18 mm
a	17 mm
r <sub>1</sub> - min.	1.5 mm
r <sub>2</sub> - min.	1.5 mm
Basic dynamic load rating, radial direction - C	473 kN
Basic static load rating, radial direction - C <sub>0</sub>	2120 kN
Basic dynamic load rating, axial direction - C	415 kN
Basic static load rating, axial direction - C <sub>0</sub>	6400 kN



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Limiting speed for grease lubrication	40 r/min
Limiting speed for oil lubrication	80 mm/min
Axial Preload	47 N
Axial unloading force	103 kN
Frictional moment - $C_{RL}$	300 N · m
axial stiffness	77 N/micron
radial stiffness	22.4 N/micron
Moment stiffness	7011000 kN · m/mrad
Mass bearing	253 kg
Guideline diameter	1800 mm
Size - G	M16
Number of bolts	6
Angle between bolts	60 °
Size bolts	M16
Pitch - $\alpha$ ;	6 °
Number of bolts	54
Number of bolts omitted at removal thread position	6, 60 ° apart
Size bolts	M16
Pitch - $\alpha$ ;	6 °
Number of bolts	58
Number of bolts omitted at retaining bolts position	2, 180 ° apart
Tightening torque	284 N · m
Size	M16
$d_1$	1018 mm
$H_1$	80.5 mm
$J_1$	1055 mm
$N$	18 mm
$N_1$	26 mm
$N_2$	18 mm



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$r_1$ min.	1.5 mm
$r_2$ min.	1.5 mm
Basic dynamic load rating - radial direction C	473 kN
Basic static load rating - radial direction $C_0$	2120 kN
Basic dynamic load rating - axial direction C	415 kN
Basic static load rating - axial direction $C_0$	6400 kN
Attainable speed for grease lubrication	40 r/min
Attainable speed for oil-air lubrication	80 r/min
Axial preload	47 kN
Frictional moment $C_{RL}$	300 N · m
Axial stiffness	77 kN/ $\mu$ m
Radial stiffness	22.4 kN/ $\mu$ m
Guideline rotary table diameter	1800 mm
Size G	M16
Number of threads	6
Angle between threads	60 °
Bolt size	M16
Pitch	6 °
Tightening torque (Bolt grade 10.9)	284 N · m
Bolt size	M16
Pitch	6 °