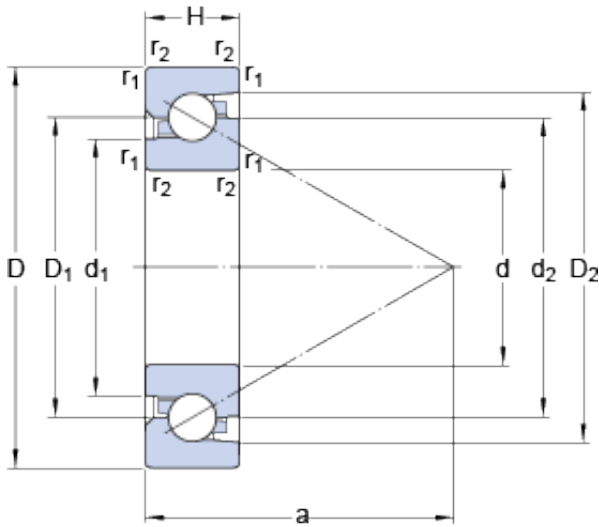




# SMOOTH BEARING MFG.CORP.

## SKF BSA 306 C thrust ball bearings

Bearing No. BSA 306 C



BSA 306 C Bearing 2D drawings and 3D CAD models

Size	30x72x19 mm
Bore Diameter	30 mm
Outer Diameter	72 mm
Width	19 mm
d	30 mm
D	72 mm
H	19 mm
d <sub>1</sub>	43.99 mm
d <sub>2</sub>	51 mm
D <sub>1</sub>	51.1 mm
D <sub>2</sub>	59.46 mm
r <sub>1,2</sub> - min.	1 mm
a	57 mm
d <sub>a</sub> - min.	40 mm
d <sub>b</sub> - min.	40 mm
D <sub>a</sub> - max.	65.5 mm
D <sub>b</sub> - max.	65.5 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	41.5 kN
Basic static load rating - C <sub>0</sub>	104 kN
Fatigue load limit - P <sub>u</sub>	3.9 kN
Limiting speed for grease lubrication	7000 r/min
Limiting speed for oil lubrication	9500 mm/min



## SMOOTH BEARING MFG.CORP.

Preload class A	3000 N
Preload class B	6000 N
Frictional moment, Preload class A	0.175 N · m
Frictional moment, Preload class B	0.32 N · m
Static Axial rigidity, Preload class A	1010 N/micron
Static Axial rigidity, Preload class B	1280 N/micron
Max. axial load - $F_a$	max. 46 kN
$G_{ref}$	3.5 cm <sup>3</sup>
$d_1$	43.99 mm
$d_2$	51 mm
$D_1$	51.1 mm
$D_2$	59.46 mm
$r_{1,2}$ min.	1 mm
$d_a$ min.	40 mm
$d_b$ min.	40 mm
$D_a$ max.	65.5 mm
$D_b$ max.	65.5 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	41.5 kN
Basic static load rating $C_0$	104 kN
Fatigue load limit $P_u$	3.9 kN
Attainable speed for grease lubrication	7000 r/min
Attainable speed for oil-air lubrication	9500 r/min
Frictional moment, preload class A	0.175 N · m
Frictional moment, preload class B	0.32 N · m
Static axial stiffness, preload A	1010 N/ $\mu$ m



## SMOOTH BEARING MFG.CORP.

Static axial stiffness, preload B	1280 N/ $\mu$ m
Maximum axial load carrying capacity $F_a$ max.	46 kN
Reference grease quantity $G_{ref}$	3.5 cm <sup>3</sup>
Mass bearing	0.41 kg