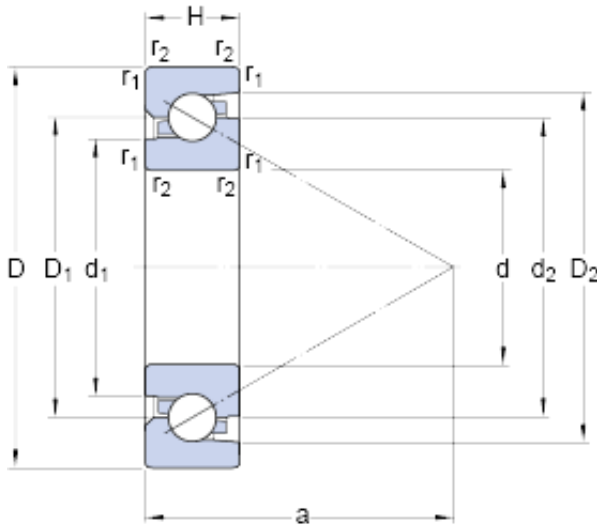




# BEARING USA CORP.

## SKF BSA 201 C Ball bearing

Bearing No. BSA 201 C



BSA 201 C Bearing 2D drawings and 3D CAD models

Size	12x32x10 mm
Bore Diameter	12 mm
Outer Diameter	32 mm
Width	10 mm
d	12 mm
D	32 mm
H	10 mm
d <sub>1</sub>	17.86 mm
d <sub>2</sub>	22 mm
D <sub>1</sub>	22.1 mm
D <sub>2</sub>	26.61 mm
r <sub>1,2</sub> - min.	0.6 mm
a	26 mm
d <sub>a</sub> - min.	17 mm
d <sub>b</sub> - min.	17 mm
D <sub>a</sub> - max.	29 mm
D <sub>b</sub> - max.	29 mm
r <sub>a</sub> - max.	0.6 mm
Basic dynamic load rating - C	11.8 kN
Basic static load rating - C <sub>0</sub>	21.2 kN
Fatigue load limit - P <sub>u</sub>	0.8 kN
Limiting speed for grease lubrication	14000 r/min
Limiting speed for oil lubrication	17000 mm/min



## BEARING USA CORP.

Preload class A	650 N
Preload class B	1300 N
Frictional moment, Preload class A	0.016 N · m
Frictional moment, Preload class B	0.028 N · m
Static Axial rigidity, Preload class A	400 N/micron
Static Axial rigidity, Preload class B	510 N/micron
Max. axial load - $F_a$	max. 6.2 kN
$G_{ref}$	0.4 cm <sup>3</sup>
$d_1$	17.86 mm
$d_2$	22 mm
$D_1$	22.1 mm
$D_2$	26.61 mm
$r_{1,2}$ min.	0.6 mm
$d_a$ min.	17 mm
$d_b$ min.	17 mm
$D_a$ max.	29 mm
$D_b$ max.	29 mm
$r_a$ max.	0.6 mm
Basic dynamic load rating C	11.8 kN
Basic static load rating $C_0$	21.2 kN
Fatigue load limit $P_u$	0.8 kN
Attainable speed for grease lubrication	14000 r/min
Attainable speed for oil-air lubrication	17000 r/min
Frictional moment, preload class A	0.016 N · m
Frictional moment, preload class B	0.028 N · m
Static axial stiffness, preload A	400 N/ $\mu$ m



## BEARING USA CORP.

Static axial stiffness, preload B	510 N/ $\mu$ m
Maximum axial load carrying capacity $F_a$ max.	6.25 kN
Reference grease quantity $G_{ref}$	0.4 cm <sup>3</sup>
Mass bearing	0.043 kg