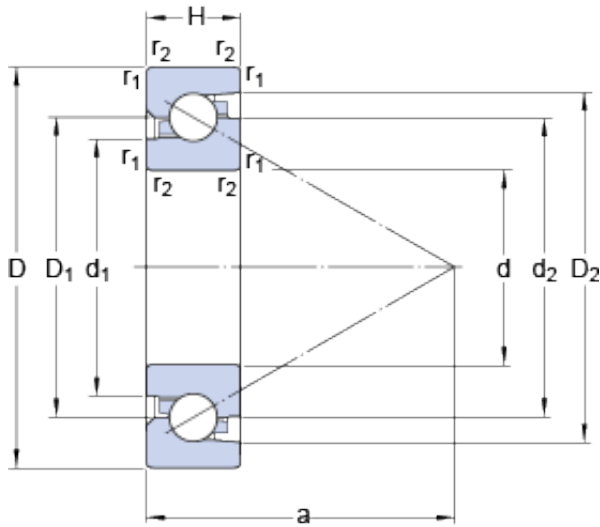




# UNF BRAINGS SALES JAPAN CO.,LTD.



## SKF BSD 55120 C Machined Brass Cages Angular Contact Ball Bearings

Bearing No. BSD 55120 C

BSD 55120 C Bearing 2D drawings and 3D CAD models

Size	55x120x20 mm
Bore Diameter	55 mm
Outer Diameter	120 mm
Width	20 mm
d	55 mm
D	120 mm
H	20 mm
d <sub>1</sub>	80.9 mm
d <sub>2</sub>	91 mm
D <sub>1</sub>	91.1 mm
D <sub>2</sub>	101.74 mm
r <sub>1,2</sub> - min.	1.5 mm
a	96 mm
d <sub>a</sub> - min.	69 mm
d <sub>b</sub> - min.	69 mm
D <sub>a</sub> - max.	110 mm
D <sub>b</sub> - max.	110 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	69.5 kN
Basic static load rating - C <sub>0</sub>	228 kN
Fatigue load limit - P <sub>u</sub>	8.5 kN
Limiting speed for grease lubrication	5000 r/min
Limiting speed for oil	6000 mm/min



## UNF BRAINGS SALES JAPAN CO.,LTD.

Lubrication	
Preload class A	7300 N
Preload class B	14600 N
Frictional moment, Preload class A	0.72 N · m
Frictional moment, Preload class B	1.26 N · m
Static Axial rigidity, Preload class A	1800 N/micron
Static Axial rigidity, Preload class B	2300 N/micron
Max. axial load - $F_a$	max. 130 kN
$G_{ref}$	7.5 cm <sup>3</sup>
$d_1$	80.9 mm
$d_2$	91 mm
$D_1$	91.1 mm
$D_2$	101.74 mm
$r_{1,2}$ min.	1.5 mm
$d_a$ min.	69 mm
$d_b$ min.	69 mm
$D_a$ max.	110 mm
$D_b$ max.	110 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	69.5 kN
Basic static load rating $C_0$	228 kN
Fatigue load limit $P_u$	8.5 kN
Attainable speed for grease lubrication	5000 r/min
Attainable speed for oil-air lubrication	6000 r/min
Frictional moment, preload class A	0.72 N · m
Frictional moment, preload class B	1.26 N · m



## UNF BRAINGS SALES JAPAN CO.,LTD.

Static axial stiffnes, preload A	1800 N/ $\mu$ m
Static axial stiffnes, preload B	2300 N/ $\mu$ m
Maximum axial load carrying capacity $F_a$ max.	130 kN
Reference grease quantity $G_{ref}$	7.5 cm <sup>3</sup>
Mass bearing	1.14 kg