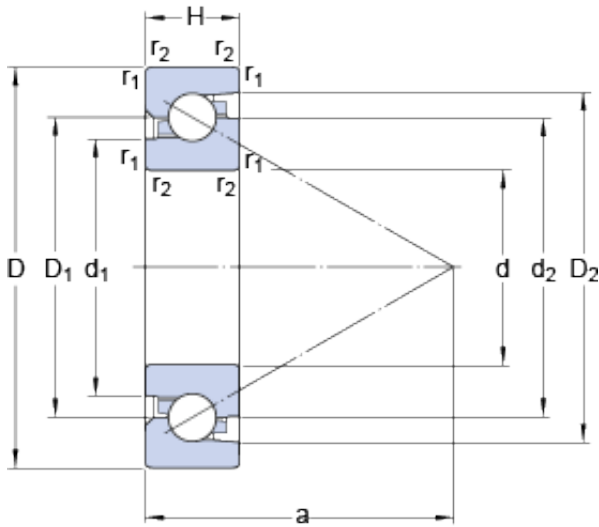




# San Driveshaft Co., Ltd.



## SKF BSD 2047 C Face-to-face duplex arrangement Bearings

Bearing No. BSD 2047 C

BSD 2047 C Bearing 2D drawings and 3D CAD models

Size	20x47x15 mm
Bore Diameter	20 mm
Outer Diameter	47 mm
Width	15 mm
d	20 mm
D	47 mm
H	15 mm
d <sub>1</sub>	29.4 mm
d <sub>2</sub>	34.5 mm
D <sub>1</sub>	34.6 mm
D <sub>2</sub>	40.65 mm
r <sub>1,2</sub> - min.	1 mm
a	40 mm
d <sub>a</sub> - min.	27 mm
d <sub>b</sub> - min.	27 mm
D <sub>a</sub> - max.	42.5 mm
D <sub>b</sub> - max.	42.5 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	22 kN
Basic static load rating - C <sub>0</sub>	49 kN
Fatigue load limit - P <sub>u</sub>	1.8 kN
Limiting speed for grease lubrication	9500 r/min
Limiting speed for oil	12000 mm/min



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Lubrication	
Preload class A	1480 N
Preload class B	2960 N
Frictional moment, Preload class A	0.05 N · m
Frictional moment, Preload class B	0.091 N · m
Static Axial rigidity, Preload class A	680 N/micron
Static Axial rigidity, Preload class B	860 N/micron
Max. axial load - $F_a$	max. 14.5 kN
$G_{ref}$	1.4 cm <sup>3</sup>
$d_1$	29.4 mm
$d_2$	34.5 mm
$D_1$	34.6 mm
$D_2$	40.65 mm
$r_{1,2}$ min.	1 mm
$d_a$ min.	27 mm
$d_b$ min.	27 mm
$D_a$ max.	42.5 mm
$D_b$ max.	42.5 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	22 kN
Basic static load rating $C_0$	49 kN
Fatigue load limit $P_u$	1.8 kN
Attainable speed for grease lubrication	9500 r/min
Attainable speed for oil-air lubrication	12000 r/min
Frictional moment, preload class A	0.05 N · m
Frictional moment, preload class B	0.091 N · m



## San Driveshaft Co., Ltd.

Static axial stiffness, preload A	680 N/ $\mu$ m
Static axial stiffness, preload B	860 N/ $\mu$ m
Maximum axial load carrying capacity $F_a$ max.	14.5 kN
Reference grease quantity $G_{ref}$	1.4 cm <sup>3</sup>
Mass bearing	0.13 kg