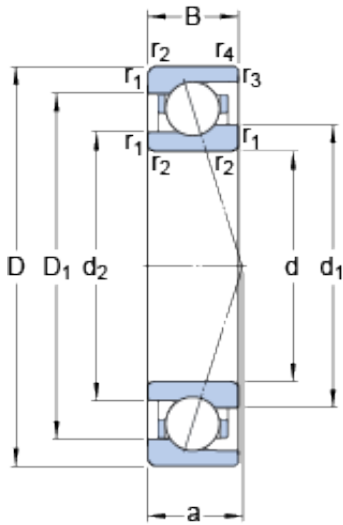




## San Driveshaft Co., Ltd.



719/9 CE/P4A Bearing 2D drawings and 3D CAD models

### 9 mm x 20 mm x 6 mm SKF 719/9 CE/P4A Pressed Steel Cages Single-Row Angular Contact Ball Bearings

Bearing No. 719/9 CE/P4A

Size	20x9x6 mm
Bore Diameter	20 mm
Outer Diameter	9 mm
Width	6 mm
d	9 mm
D	20 mm
B	6 mm
d <sub>1</sub>	12.5 mm
d <sub>2</sub>	11.76 mm
D <sub>1</sub>	16.52 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.15 mm
a	5.2 mm
d <sub>a</sub> - min.	11 mm
d <sub>b</sub> - min.	11 mm
D <sub>a</sub> - max.	18 mm
D <sub>b</sub> - max.	19.2 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.15 mm
d <sub>n</sub>	13.3 mm
Basic dynamic load rating - C	2 kN
Basic static load rating - C <sub>0</sub>	0.8 kN
Fatigue load limit - P <sub>u</sub>	0.034 kN



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Limiting speed for grease lubrication	109000 r/min
Limiting speed for oil lubrication	165000 mm/min
Ball - $D_w$	3.175 mm
Ball - $z$	11
$G_{ref}$	0.09 cm <sup>3</sup>
Calculation factor - $f_0$	7.4
Preload class A - $G_A$	11 N
Preload class B - $G_B$	32 N
Preload class C - $G_C$	64 N
Calculation factor - $f$	1.03
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.04
Calculation factor - $f_{2C}$	1.08
Calculation factor - $f_{HC}$	1
Preload class A	10 N/micron
Preload class B	16 N/micron
Preload class C	21 N/micron
$d_1$	12.5 mm
$d_2$	11.76 mm
$D_1$	16.52 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
$d_a$ min.	11 mm
$d_b$ min.	11 mm
$D_a$ max.	18 mm
$D_b$ max.	19.2 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.15 mm



## San Driveshaft Co., Ltd.

$d_n$	13.3 mm
Basic dynamic load rating C	2.03 kN
Basic static load rating $C_0$	0.8 kN
Fatigue load limit $P_u$	0.034 kN
Attainable speed for grease lubrication	109000 r/min
Attainable speed for oil-air lubrication	165000 r/min
Ball diameter $D_w$	3.175 mm
Number of balls z	11
Reference grease quantity $G_{ref}$	0.09 cm <sup>3</sup>
Preload class A $G_A$	11 N
Static axial stiffness, preload class A	10 N/μm
Preload class B $G_B$	32 N
Static axial stiffness, preload class B	16 N/μm
Preload class C $G_C$	64 N
Static axial stiffness, preload class C	21 N/μm
Calculation factor f	1.03
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.08
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	7.4
Mass bearing	0.008 kg