



## Bearing Driveshaft do Brasil



S71928 CD/P4A Bearing 2D drawings and 3D CAD models

140 mm x 190 mm x 24 mm SKF S71928  
CD/P4A angular contact ball bearings

Bearing No. S71928 CD/P4A

Size	190x140x24 mm
Bore Diameter	190 mm
Outer Diameter	140 mm
Width	24 mm
d	140 mm
D	190 mm
B	24 mm
d <sub>1</sub>	155.4 mm
d <sub>2</sub>	155.4 mm
D <sub>2</sub>	178.25 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	0.6 mm
a	34.2 mm
d <sub>a</sub> - min.	147 mm
d <sub>a</sub> - max.	154.8 mm
d <sub>b</sub> - min.	147 mm
d <sub>b</sub> - max.	154.8 mm
D <sub>a</sub> - max.	183 mm
D <sub>b</sub> - max.	186 mm
r <sub>a</sub> - max.	1.5 mm
r <sub>b</sub> - max.	0.6 mm
Basic dynamic load rating - C	95.6 kN
Basic static load rating - C <sub>0</sub>	116 kN
Fatigue load limit - P <sub>u</sub>	3.9 kN



## Bearing Driveshaft do Brasil

Limiting speed for grease lubrication	6700 r/min
Ball - $D_w$	15.875 mm
Ball - $z$	29
Calculation factor - $f_0$	16.6
Preload class A - $G_A$	360 N
Preload class B - $G_B$	720 N
Preload class C - $G_C$	1440 N
Preload class D - $G_D$	2880 N
Calculation factor - $f$	1.29
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.04
Calculation factor - $f_{2C}$	1.09
Calculation factor - $f_{2D}$	1.15
Calculation factor - $f_{HC}$	1
Preload class A	146 N/micron
Preload class B	201 N/micron
Preload class C	286 N/micron
Preload class D	420 N/micron
$d_1$	155.4 mm
$d_2$	155.4 mm
$D_2$	178.25 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	147 mm
$d_a$ max.	154.8 mm
$d_b$ min.	147 mm
$d_b$ max.	154.8 mm
$D_a$ max.	183 mm
$D_b$ max.	186 mm



## Bearing Driveshaft do Brasil

$r_a$ max.	1.5 mm
$r_b$ max.	0.6 mm
Basic dynamic load rating C	95.6 kN
Basic static load rating $C_0$	116 kN
Fatigue load limit $P_u$	3.9 kN
Attainable speed for grease lubrication	6700 r/min
Ball diameter $D_w$	15.875 mm
Number of balls z	29
Preload class A $G_A$	360 N
Static axial stiffness, preload class A	146 N/ $\mu$ m
Preload class B $G_B$	720 N
Static axial stiffness, preload class B	201 N/ $\mu$ m
Preload class C $G_C$	1440 N
Static axial stiffness, preload class C	286 N/ $\mu$ m
Preload class D $G_D$	2880 N
Static axial stiffness, preload class D	420 N/ $\mu$ m
Calculation factor f	1.29
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.09
Calculation factor $f_{2D}$	1.15
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	16.6
Mass bearing	1.69 kg