



# ASAHI FORGE OF AMERICA BEARING CORP.



110 mm x 150 mm x 20 mm SKF S71922  
CD/P4A angular contact ball bearings

Bearing No. S71922 CD/P4A

S71922 CD/P4A Bearing 2D drawings and 3D CAD models

Size	150x110x20 mm
Bore Diameter	150 mm
Outer Diameter	110 mm
Width	20 mm
d	110 mm
D	150 mm
B	20 mm
d <sub>1</sub>	122.3 mm
d <sub>2</sub>	122.3 mm
D <sub>2</sub>	140.57 mm
r <sub>1,2</sub> - min.	1.1 mm
r <sub>3,4</sub> - min.	0.6 mm
a	27.5 mm
d <sub>a</sub> - min.	116 mm
d <sub>a</sub> - max.	121.7 mm
d <sub>b</sub> - min.	116 mm
d <sub>b</sub> - max.	121.7 mm
D <sub>a</sub> - max.	144 mm
D <sub>b</sub> - max.	146 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.6 mm
Basic dynamic load rating - C	62.4 kN
Basic static load rating - C <sub>0</sub>	72 kN
Fatigue load limit - P <sub>u</sub>	2.7 kN



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Limiting speed for grease lubrication	8000 r/min
Ball - $D_w$	12.7 mm
Ball - z	28
Calculation factor - $f_0$	16.5
Preload class A - $G_A$	230 N
Preload class B - $G_B$	460 N
Preload class C - $G_C$	920 N
Preload class D - $G_D$	1840 N
Calculation factor - f	1.26
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	113 N/micron
Preload class B	156 N/micron
Preload class C	221 N/micron
Preload class D	325 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group	B04270
Enclosure	2 Seals
Precision Class	ABEC 7   ISO P4
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree



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Preload	None
Raceway Style	1 Rib Outer Ring
Cage Material	PEEK Resin
Rolling Element	Ball Bearing
Enclosure Type	Non Contact Seal
Flush Ground	No
Inch - Metric	Metric
Other Features	Single Row   Angular Contact   High Capacity Basic Design
Long Description	110MM Bore; 150MM Outside Diameter; 20MM Width; 2 Seals Enclosure; ABEC 7   ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; PEEK Resin Cage Material; 1 Rib Outer Ri
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Width	0.787 Inch   20 Millimeter
Bore	4.331 Inch   110 Millimeter
Outside Diameter	5.906 Inch   150 Millimeter
$d_1$	122.3 mm
$d_2$	122.3 mm
$D_2$	140.57 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	116 mm
$d_a$ max.	121.7 mm



## ASAHI FORGE OF AMERICA BEARING CORP.

$d_b$ min.	116 mm
$d_b$ max.	121.7 mm
$D_a$ max.	144 mm
$D_b$ max.	146 mm
$r_a$ max.	1 mm
$r_b$ max.	0.6 mm
Basic dynamic load rating C	62.4 kN
Basic static load rating $C_0$	72 kN
Fatigue load limit $P_u$	2.7 kN
Attainable speed for grease lubrication	8000 r/min
Ball diameter $D_w$	12.7 mm
Number of balls z	28
Preload class A $G_A$	230 N
Static axial stiffness, preload class A	113 N/ $\mu$ m
Preload class B $G_B$	460 N
Static axial stiffness, preload class B	156 N/ $\mu$ m
Preload class C $G_C$	920 N
Static axial stiffness, preload class C	221 N/ $\mu$ m
Preload class D $G_D$	1840 N
Static axial stiffness, preload class D	325 N/ $\mu$ m
Calculation factor f	1.26
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 $f_0$	16.5
Mass bearing	0.88 kg



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