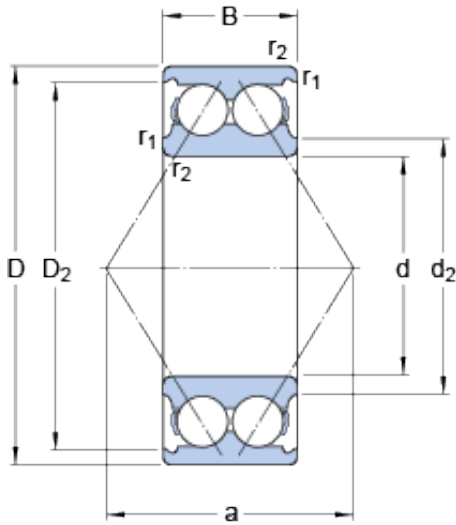




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3205 A Bearing 2D drawings and 3D CAD models

SKF 3205 A angular contact ball bearings

Bearing No. 3205 A

Size	52x25x20.6 mm
Bore Diameter	52 mm
Outer Diameter	25 mm
Width	20,6 mm
d	25 mm
D	52 mm
B	20.6 mm
d ₂	32.7 mm
D ₂	45.9 mm
r _{1,2} - min.	1 mm
a	30 mm
d _a - min.	31 mm
D _a - max.	46 mm
r _a - max.	1 mm
Basic dynamic load rating - C	21.6 kN
Basic static load rating - C ₀	14.3 kN
Fatigue load limit - P _u	0.6 kN
Reference speed	12000 r/min
Limiting speed	12000 r/min
Calculation factor - k _r	0.06
Calculation factor - e	0.8
Calculation factor - X	0.63
Calculation factor - Y ₀	0.66
Calculation factor - Y ₁	0.78



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Calculation factor - Y ₂	1.24
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.188
EAN	7316571185453
Product Group	B00152
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Double Row
Precision Class	ABEC 3 ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Steel
Contact Angle	25 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	25MM Bore; 52MM Outside Diameter; 20.6MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact



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Manufacturer URL	http://www.skf.com
Manufacturer Item Number	5205 A
Weight / LBS	0.395
Outside Diameter	2.047 Inch 52 Millimeter
Width	0.811 Inch 20.6 Millimeter
Bore	0.984 Inch 25 Millimeter
bore diameter:	25 mm
radial static load capacity:	14.3 kN
outside diameter:	52 mm
cage material:	Metal
overall width:	0.8125 in
outer ring width:	20.6 mm
contact angle:	30 °
maximum rpm:	12000 RPM
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	1 mm
radial dynamic load capacity:	21.6 kN
series:	32
d_2	32.7 mm
D_2	45.9 mm
$r_{1,2}$ min.	1 mm
d_a min.	31 mm
D_a max.	46 mm
r_a max.	1 mm
Basic dynamic load rating C	21.6 kN
Basic static load rating C_0	14.3 kN
Fatigue load limit P_u	0.6 kN
Calculation factor k_r	0.06



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Calculation factor e	0.8
Calculation factor X	0.63
Calculation factor Y_0	0.66
Calculation factor Y_1	0.78
Calculation factor Y_2	1.24
Mass bearing	0.18 kg