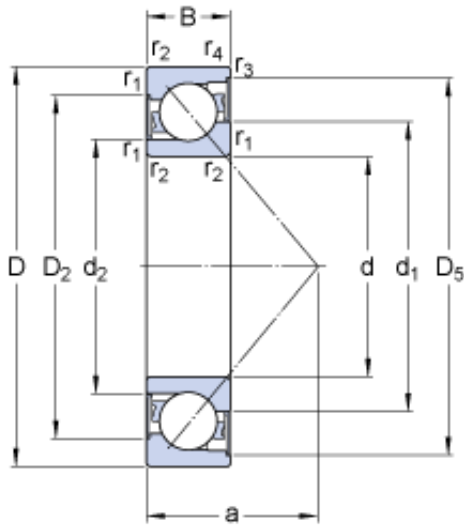




KOYO PRECISION AXLE CORP.



45 mm x 85 mm x 19 mm SKF 7209 BE-2RZP
angular contact ball bearings

Bearing No. 7209 BE-2RZP

7209 BE-2RZP Bearing 2D drawings and 3D CAD models

Size	85x45x19 mm
Bore Diameter	85 mm
Outer Diameter	45 mm
Width	19 mm
d	45 mm
D	85 mm
B	19 mm
d ₁	60.85 mm
d ₂	52.68 mm
D ₂	71.8 mm
D ₅	79.9 mm
a	37 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	52 mm
d _a - max.	60 mm
D _a - max.	78 mm
D _b - max.	80.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	35.8 kN
Basic static load rating - C ₀	26 kN
Fatigue load limit - P _u	1.1 kN
Reference speed	9000 r/min



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Limiting speed	9000 r/min
Calculation factor - k_r	0.095
Calculation factor - k_a	1.4
Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y_0	0.52
Calculation factor - Y_1	0.55
Calculation factor - Y_2	0.93
Calculation factor - X	0.35
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Category	Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group	B00308
d_1	60.85 mm
d_2	52.68 mm
D_2	71.8 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	52 mm
d_a max.	60 mm
D_a max.	78 mm
D_b max.	80.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	35.8 kN
Basic static load rating C_0	26 kN



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Fatigue load limit P_u	1.12 kN
Calculation factor A	0.012
Calculation factor k_r	0.095
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor Y_0	0.26
Calculation factor Y_2	0.57
Calculation factor X	0.57
Calculation factor Y_0	0.52
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Standard grease	GXN
Mass bearing	0.52 kg