

FAG

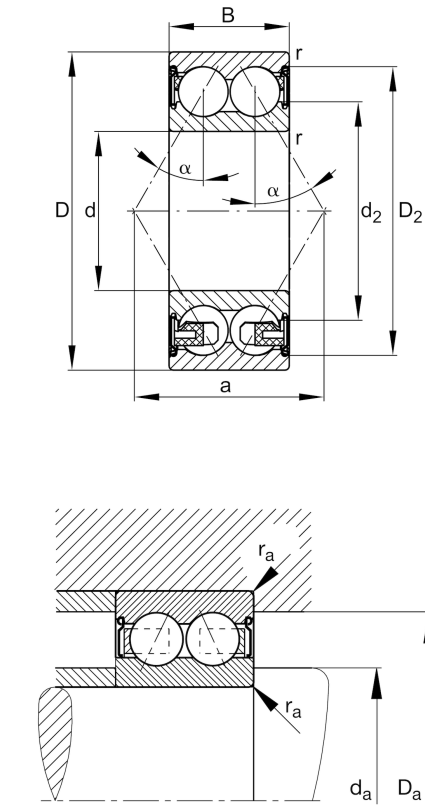
3209-BD-XL-2Z
Angular contact ball bearing

Schaeffler ID:
0816636250000

Angular contact ball bearing 32..-BD-XL-2Z, double row, X-life, shields, steel sheet metal cage

X-life

Technical information



Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	30,2 mm	Width
C _r	50.000 N	Basic dynamic load rating, radial
C _{0r}	39.000 N	Basic static load rating, radial
C _{ur}	2.700 N	Fatigue load limit, radial
n _G	6.300 1/min	Limiting speed
n _{gr}	8.400 1/min	Reference speed
	0,639 kg	Weight

Dimensions

r _{min}	1,1 mm	Minimum chamfer dimension
D ₂	78,1 mm	Caliber diameter outer ring
d ₂	57,7 mm	Caliber diameter inner ring
a	50,3 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Mounting dimensions

d _{a min}	52 mm	Minimum diameter shaft shoulder
D _{a max}	78 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius

Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.