



FAG

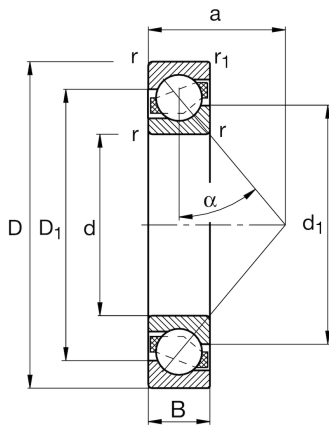
7308-B-XL-MP

Angular contact ball bearing

Schaeffler ID:
0191171750000Angular contact ball bearing 73..-B-XL-MP,
single row, X-life, solid brass cage

X-life

Technical information



Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
C_r	57.000 N	Basic dynamic load rating, radial
C_{0r}	34.500 N	Basic static load rating, radial
C_{ur}	2.390 N	Fatigue load limit, radial
n_G	13.500 1/min	Limiting speed
n_{gr}	7.100 1/min	Reference speed
	0,68 kg	Weight

Additional information

r_{min}	1,5 mm	Minimum chamfer dimension
$r_{1 min}$	1 mm	Minimum chamfer dimension
D_1	71,3 mm	Shoulder diameter on outer ring wide side face
d_1	59,99 mm	Shoulder diameter on inner ring wide side face
a	39 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a min}$	49 mm	Minimum diameter of shaft shoulder
$D_{a max}$	81 mm	Maximum diameter of housing shoulder
$D_{b max}$	84,4 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a max}$	1,5 mm	Maximum fillet radius of shaft
$r_{a1 max}$	1 mm	Maximum fillet radius of housing

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	150 °C	Operating temperature max.

