

FAG

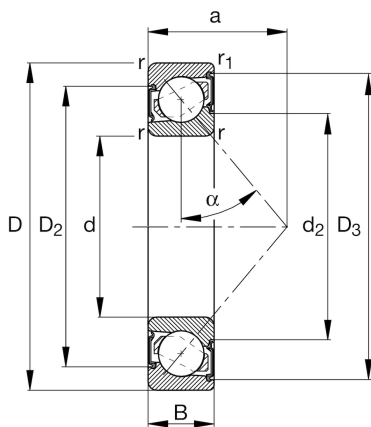
7312-B-XL-2RS-JP-L431

Angular contact ball bearing

Schaeffler ID:
0922600550000Angular contact ball bearing 73..-B-
XL-2RS-TVP, single row, X-life, seals, steel
sheet metal cage

X-life

Technical information



Main Dimensions & Performance Data

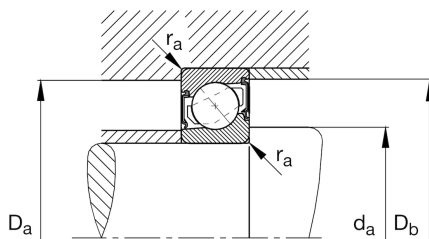
d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width
C_r	96,000 N	Basic dynamic load rating, radial
C_{0r}	69,000 N	Basic static load rating, radial
C_{ur}	4,750 N	Fatigue load limit, radial
n_G	3,150 1/min	Limiting speed
$\approx m$	1.803 kg	Weight

Mounting dimensions

$d_{a \min}$	72 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	118 mm	Maximum diameter of housing shoulder
$D_{b \max}$	123 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2.1 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	2.1 mm	Minimum chamfer dimension
$r_{1 \min}$	1.1 mm	Minimum chamfer dimension
D_1	103.4 mm	Shoulder diameter on outer ring wide side face
D_2	106.86 mm	Caliber diameter on outer ring wide side face
D_3	119.68 mm	Caliber diameter on outer ring small side face
d_1	87.3 mm	Shoulder diameter on inner ring wide side face
d_2	83.1 mm	Caliber diameter on inner ring wide side face
a	55.4 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle



Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.