



FAG

7410-B-XL-MP

Angular contact ball bearing

Schaeffler ID:
0191188720000Angular contact ball bearing 74..-B-XL-MP,
single row, X-life, solid brass cage

X-life

Technical information

**Main Dimensions & Performance Data**

d	50 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	9,200 1/min	Limiting speed
n_{gr}	4,400 1/min	Reference speed
	2.105 kg	Weight

Dimensions

r_{min}	2.1 mm	Minimum chamfer dimension
r_{1min}	1.1 mm	Minimum chamfer dimension
D_1	103.4 mm	Shoulder diameter on outer ring wide side face
d_1	87.3 mm	Shoulder diameter on inner ring wide side face
a	53 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

d_{amin}	64 mm	Minimum diameter of shaft shoulder
D_{amax}	116 mm	Maximum diameter of housing shoulder
D_{bmax}	121 mm	Maximaler Durchmesser der Gehäuseschulter
r_{amax}	2.1 mm	Maximum fillet radius of shaft
r_{a1max}	1 mm	Maximum fillet radius of housing

Temperature range

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

