



FAG

★ 7407-B-XL-MP

Angular contact ball bearing

Schaeffler ID:
0191187830000Angular contact ball bearing 74..-B-XL-MP,
single row, X-life, solid brass cage

★ Preferred product

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.
	1,058 kg	Weight

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C_r	65.000 N	Basic dynamic load rating, radial
C_{0r}	43.000 N	Basic static load rating, radial
C_{ur}	3.000 N	Fatigue load limit, radial
n_G	12.100 1/min	Limiting speed
n_{gr}	5.400 1/min	Reference speed

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
$r_{1\min}$	1 mm	Minimum chamfer dimension
D_1	79,8 mm	Shoulder diameter on outer ring wide side face
d_1	66,7 mm	Shoulder diameter on inner ring wide side face
a	41 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a\min}$	46 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	94,4 mm	Maximum diameter of housing shoulder
$D_{b\max}$	100 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

