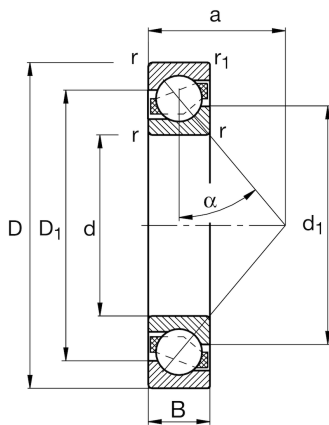


**FAG****7048-MP-UA**

Angular contact ball bearing

Schaeffler ID:  
0167248870000Angular contact ball bearing 70..-MP,  
single row, solid brass cage

## Technical information



## Main Dimensions &amp; Performance Data

d	9,449 in	Bore diameter
D	14,173 in	Outside diameter
B	2,205 in	Width
$C_r$	68.570,144 lbf	Basic dynamic load rating, radial
$C_{0r}$	105.665,468 lbf	Basic static load rating, radial
$C_{ur}$	3.169,964 lbf	Fatigue load limit, radial
$n_G$	2.650 1/min	Limiting speed
$n_{gr}$	1.830 1/min	Reference speed
	41,447 lbs	{Weight}

## Mounting dimensions

$d_{a \min}$	9,937 in	Minimum diameter of shaft shoulder
$D_{a \max}$	13,685 in	Maximum diameter of housing shoulder
$D_{b \max}$	13,937 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,098 in	Maximum fillet radius of shaft
$r_{a1 \max}$	0,039 in	Maximum fillet radius of housing

## Dimensions

$r_{\min}$	0,118 in	Minimum chamfer dimension
$r_{1 \min}$	0,043 in	Minimum chamfer dimension
$D_1$	12,488 in	Shoulder diameter on outer ring wide side face
$d_1$	11,242 in	Shoulder diameter on inner ring wide side face
a	4,528 in	Distance between the apexes of the pressure cones
$\alpha$	30 °	Contact angle

## Temperature range

$T_{\min}$	-22 °F	Operating temperature min.
$T_{\max}$	392 °F	Operating temperature max.

**Additional information**

$A_{\min}$	0,00433 in	Axial clearance per set min.
Tol (+)	0,00063 in	Tolerance for axial clearance or preload per set