



FAG

## ★ 61814-Y

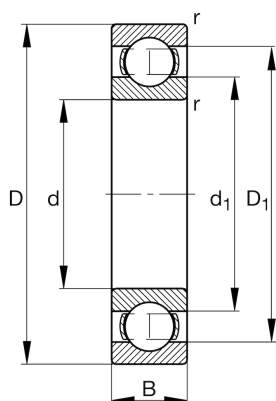
Deep groove ball bearing

Schaeffler ID:  
0096196230000

Deep groove ball bearing 618..-Y, single row, brass sheet metal cage

★ Preferred product

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.
	0,138 kg	Weight

## Main Dimensions &amp; Performance Data

d	70 mm	Bore diameter
D	90 mm	Outside diameter
B	10 mm	Width
$C_r$	13.200 N	Basic dynamic load rating, radial
$C_{0r}$	12.400 N	Basic static load rating, radial
$C_{ur}$	820 N	Fatigue load limit, radial
$n_G$	13.800 1/min	Limiting speed
$n_{gr}$	5.300 1/min	Reference speed

## Dimensions

$r_{\min}$	0,6 mm	Minimum chamfer dimension
$D_1$	83,6 mm	Shoulder diameter outer ring
$d_1$	76,6 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a\min}$	73,2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	86,8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0,6 mm	Maximum fillet radius

## Calculation factors

$f_0$	16,1	Calculation factor
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