



FAG

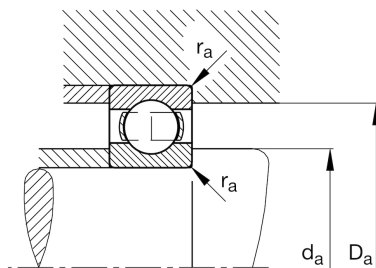
## ★ 6305

## Deep groove ball bearing

Schaeffler ID:  
0167229650000Deep groove ball bearing 63, single row,  
steel sheet metal cage

★ Preferred product

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.
	0,23 kg	Weight

## Main Dimensions &amp; Performance Data

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
$C_r$	23.800 N	Basic dynamic load rating, radial
$C_{0r}$	11.500 N	Basic static load rating, radial
$C_{ur}$	780 N	Fatigue load limit, radial
$n_G$	16.200 1/min	Limiting speed
$n_{gr}$	12.300 1/min	Reference speed

## Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$D_1$	50,2 mm	Shoulder diameter outer ring
$d_1$	36,4 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a\min}$	32 mm	Minimum diameter shaft shoulder
$D_{a\max}$	55 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1,1 mm	Maximum fillet radius

## Calculation factors

$f_0$	12,4	Calculation factor
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