



FAG

**6307-2RSR**

Deep groove ball bearing

Schaeffler ID:  
0167232440000Deep groove ball bearing 63...-2RSR,  
single row, seals, steel sheet metal cage

## Technical information

**Dimensions**

$r_{\min}$	1.5 mm	Minimum chamfer dimension
$D_2$	67.6 mm	Caliber diameter outer ring
$d_1$	49.3 mm	Shoulder diameter inner ring
	0.464 kg	Weight

**Main Dimensions & Performance Data**

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
$C_r$	35,500 N	Basic dynamic load rating, radial
$C_{0r}$	19,100 N	Basic static load rating, radial
$C_{ur}$	1,290 N	Fatigue load limit, radial
$n_G$	5,400 1/min	Limiting speed

**Mounting dimensions**

$d_{a\min}$	44 mm	Minimum diameter shaft shoulder
$D_{a\max}$	71 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1.5 mm	Maximum fillet radius

**Calculation factors**

$f_0$	13.1	Calculation factor
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**Temperature range**

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	110 °C	Operating temperature max.