



FAG

**6306-2RSR**

Deep groove ball bearing

Schaeffler ID:  
0167231040000Deep groove ball bearing 63...-2RSR,  
single row, seals, steel sheet metal cage

## Technical information

**Dimensions**

$r_{\min}$	1.1 mm	Minimum chamfer dimension
$D_2$	61.6 mm	Caliber diameter outer ring
$d_1$	44.6 mm	Shoulder diameter inner ring
	0.35 kg	Weight

**Main Dimensions & Performance Data**

$d$	30 mm	Bore diameter
$D$	72 mm	Outside diameter
$B$	19 mm	Width
$C_r$	30,500 N	Basic dynamic load rating, radial
$C_{0r}$	16,200 N	Basic static load rating, radial
$C_{ur}$	1,050 N	Fatigue load limit, radial
$n_G$	6,000 1/min	Limiting speed

**Mounting dimensions**

$d_{a \min}$	37 mm	Minimum diameter shaft shoulder
$D_{a \max}$	65 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1.1 mm	Maximum fillet radius

**Calculation factors**

$f_0$	13	Calculation factor
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**Temperature range**

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