

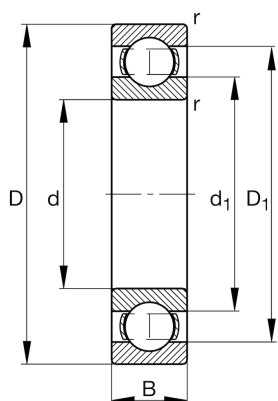
FAG

**6302**

Deep groove ball bearing

Schaeffler ID:  
0167226980000Deep groove ball bearing 63, single row,  
steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	15 mm	Bore diameter
D	42 mm	Outside diameter
B	13 mm	Width
$C_r$	12,000 N	Basic dynamic load rating, radial
$C_{0r}$	5,300 N	Basic static load rating, radial
$C_{ur}$	360 N	Fatigue load limit, radial
$n_G$	25,000 1/min	Limiting speed
$n_{gr}$	17,500 1/min	Reference speed
	0.084 kg	Weight

**Dimensions**

$r_{min}$	1 mm	Minimum chamfer dimension
$D_1$	33.5 mm	Shoulder diameter outer ring
$d_1$	23.6 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a min}$	20.6 mm	Minimum diameter shaft shoulder
$D_{a max}$	36.4 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum fillet radius

**Calculation factors**

$f_0$	12	Calculation factor
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**Temperature range**

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	120 °C	Operating temperature max.