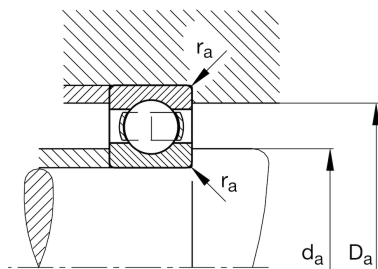
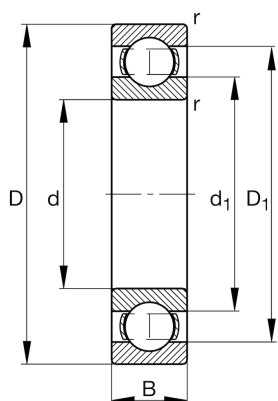


**FAG****6307-H**

Deep groove ball bearing

Schaeffler ID:  
0938687900000Deep groove ball bearing 63..-H, single  
row, H-Series, steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
$C_r$	33.390 N	Basic dynamic load rating, radial
$C_{0r}$	19.290 N	Basic static load rating, radial
$C_{ur}$	1.150 N	Fatigue load limit, radial
$n_G$	12.100 1/min	Limiting speed
$n_{gr}$	9.500 1/min	Reference speed
	0,471 kg	{Weight}

**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

**Dimensions**

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	67,7 mm	Shoulder diameter outer ring
$d_1$	49,5 mm	Shoulder diameter inner ring

**Temperature range**

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

**Calculation factors**

$f_0$	13,2	Calculation factor
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