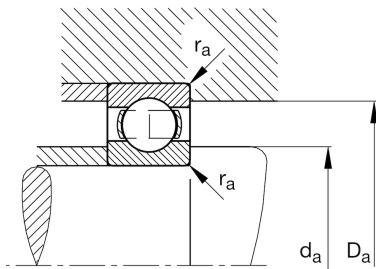
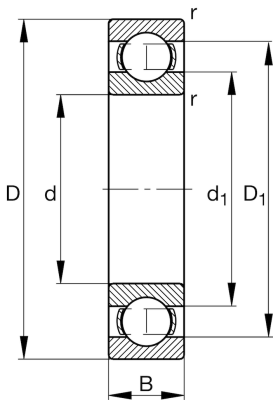


**FAG****6308**

Deep groove ball bearing

Schaeffler ID:  
0167233760000Deep groove ball bearing 63, single row,  
steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	40,00 mm	Bore diameter
D	90,00 mm	Outside diameter
B	23,00 mm	Width
$C_r$	45.500,00 N	Basic dynamic load rating, radial
$C_{0r}$	25.000,00 N	Basic static load rating, radial
$C_{ur}$	1.690,00 N	Fatigue load limit, radial
$n_G$	10.800,00 1/min	Limiting speed
$n_{gr}$	9.000,00 1/min	Reference speed
	0,61 kg	Weight

**Mounting dimensions**

$d_{a \min}$	49,00 mm	Minimum diameter shaft shoulder
$D_{a \max}$	81,00 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,50 mm	Maximum fillet radius

**Dimensions**

$r_{\min}$	1,50 mm	Minimum chamfer dimension
$D_1$	74,60 mm	Shoulder diameter outer ring
$d_1$	55,60 mm	Shoulder diameter inner ring

**Temperature range**

$T_{\min}$	-30,00 °C	Operating temperature min.
$T_{\max}$	120,00 °C	Operating temperature max.

**Calculation factors**

$f_0$	13,00	Calculation factor
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