

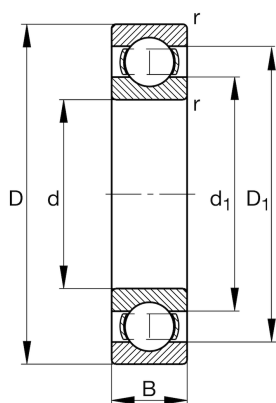
FAG

**6304**

Deep groove ball bearing

Schaeffler ID:  
0167228410000Deep groove ball bearing 63, single row,  
steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
$C_r$	16,900 N	Basic dynamic load rating, radial
$C_{0r}$	7,900 N	Basic static load rating, radial
$C_{ur}$	540 N	Fatigue load limit, radial
$n_G$	19,800 1/min	Limiting speed
$n_{gr}$	14,400 1/min	Reference speed
	0.144 kg	Weight

**Dimensions**

$r_{min}$	1.1 mm	Minimum chamfer dimension
$D_1$	41.9 mm	Shoulder diameter outer ring
$d_1$	30.3 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a min}$	27 mm	Minimum diameter shaft shoulder
$D_{a max}$	45 mm	Maximum diameter of housing shoulder
$r_{a max}$	1.1 mm	Maximum fillet radius

**Calculation factors**

$f_0$	12.4	Calculation factor
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**Temperature range**

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