



FAG

**61809-2RSR-Y**

Deep groove ball bearing

Schaeffler ID:  
0748578510000Deep groove ball bearing 618..-2RSR-Y,  
single row, seals, brass sheet metal cage

## Technical information

**Dimensions**

$r_{\min}$	0.3 mm	Minimum chamfer dimension
$D_2$	55.4 mm	Caliber diameter outer ring
$d_1$	49.1 mm	Shoulder diameter inner ring
	0.039 kg	Weight

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	58 mm	Outside diameter
B	7 mm	Width
$C_r$	7,000 N	Basic dynamic load rating, radial
$C_{0r}$	5,900 N	Basic static load rating, radial
$C_{ur}$	400 N	Fatigue load limit, radial
$n_G$	5,400 1/min	Limiting speed

**Mounting dimensions**

$d_{a \min}$	47 mm	Minimum diameter shaft shoulder
$D_{a \max}$	56 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0.3 mm	Maximum fillet radius

**Calculation factors**

$f_0$	16.3	Calculation factor
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**Temperature range**

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