



FAG

62301-A-2RSR

Deep groove ball bearing

Schaeffler ID:
0647761230000Deep groove ball bearing 623..-A-2RSR,
single row, steel sheet metal cage

Technical information

**Dimensions**

r_{\min}	1 mm	Minimum chamfer dimension
D_2	32.6 mm	Caliber diameter outer ring
d_1	19.3 mm	Shoulder diameter inner ring
	0.085 kg	Weight

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	37 mm	Outside diameter
B	17 mm	Width
C_r	9,710 N	Basic dynamic load rating, radial
C_{0r}	4,190 N	Basic static load rating, radial
C_{ur}	330 N	Fatigue load limit, radial
n_G	13,900 1/min	Limiting speed

Mounting dimensions

$d_{a\min}$	18.8 mm	Minimum diameter shaft shoulder
$D_{a\max}$	30.6 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Calculation factors

f_0	11.1	Calculation factor
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Temperature range

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