

**FAG****61815-2RZ-Y**

Deep groove ball bearing

Schaeffler ID:
0807190580000Deep groove ball bearing 618..-2RZ-Y,
single row, shields, brass sheet metal cage

Technical information

Main Dimensions & Performance Data

d	75 mm	Bore diameter
D	95 mm	Outside diameter
B	10 mm	Width
C_r	13,700 N	Basic dynamic load rating, radial
C_{0r}	13,400 N	Basic static load rating, radial
C_{ur}	890 N	Fatigue load limit, radial
n_G	8,500 1/min	Limiting speed
n_{gr}	4,950 1/min	Reference speed
	150 g	Weight

Mounting dimensions

$d_{a\ min}$	78.2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	91.8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0.6 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	0.6 mm	Minimum chamfer dimension
D_2	90.5 mm	Caliber diameter outer ring
d_1	81.6 mm	Shoulder diameter inner ring

Temperature range

$T_{\ min}$	-20 °C	Operating temperature min.
$T_{\ max}$	100 °C	Operating temperature max.

Calculation factors

f_0	16.1	Calculation factor
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