



FAG

**61812-2RZ-Y**

Deep groove ball bearing

Schaeffler ID:  
0797522840000Deep groove ball bearing 618..-2RZ-Y,  
single row, shields, brass sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	60 mm	Bore diameter
D	78 mm	Outside diameter
B	10 mm	Width
$C_r$	12.600 N	Basic dynamic load rating, radial
$C_{0r}$	11.100 N	Basic static load rating, radial
$C_{ur}$	710 N	Fatigue load limit, radial
$n_G$	10.400 1/min	Limiting speed
$n_{gr}$	6.300 1/min	Reference speed
	0,105 kg	{Weight}

**Mounting dimensions**

$d_{a\ min}$	62 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	76 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,3 mm	Maximum fillet radius

**Dimensions**

$r_{\ min}$	0,3 mm	Minimum chamfer dimension
$D_2$	74,58 mm	Caliber diameter outer ring
$d_1$	65,6 mm	Shoulder diameter inner ring

**Temperature range**

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	100 °C	Operating temperature max.

**Calculation factors**

$f_0$	16,3	Calculation factor
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