

**FAG****51228**

Axial deep groove ball bearing

Axial deep groove ball bearing 512, single direction, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	140 mm	Inner diameter shaft washer
D	200 mm	Outer diameter housing washer
T	46 mm	Height
C_a	191.000 N	Basic dynamic load rating, axial
C_{0a}	570.000 N	Basic static load rating, axial
C_{ua}	19.800 N	Fatigue load limit, axial
n_G	2.110 1/min	Limiting speed
n_{gr}	2.700 1/min	Reference speed
$\approx m$	4,265 kg	Weight

Mounting dimensions

$d_{a \min}$	176 mm	Minimum diameter shaft shoulder
$D_{a \max}$	164 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum filled radius

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
D_1	143 mm	Inner diameter housing washer
d_1	197 mm	Outer diameter shaft washer

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.

Calculation factors

A	1,9	Minimum load factor
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