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SCHAEFFLER

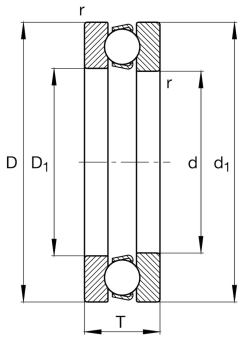
FAG

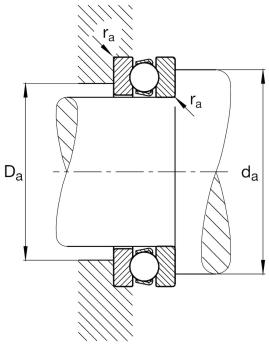
51204

Axial deep groove ball bearing

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

Technical information





Your current product variant

Cage	JP	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°

Main Dimensions & Performance Data

d	20 mm	Inner diameter shaft washer
D	40 mm	Outer diameter housing washer
T	14 mm	Height
C_a	21,100 N	Basic dynamic load rating, axial
C_{0a}	37,500 N	Basic static load rating, axial
C_{ua}	1,700 N	Fatigue load limit, axial
n_G	8,500 1/min	Limiting speed
$n_{\vartheta r}$	11,600 1/min	Reference speed
≈m	82 g	Weight

Mounting dimensions

$d_{a\ min}$	32 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	28 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0.6 mm	Maximum filled radius

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Dimensions

r_{min}	0.6 mm	Minimum chamfer dimension
D_1	22 mm	Inner diameter housing washer
d_1	40 mm	Outer diameter shaft washer

Temperature range

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

Calculation factors

A	0.007	Minimum load factor

Characteristics

Axial load in one direction

Grease Lubrication

Oil Lubrication

Not sealed

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