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SCHAEFFLER



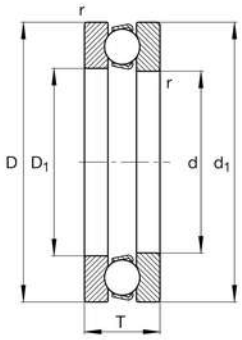
FAG

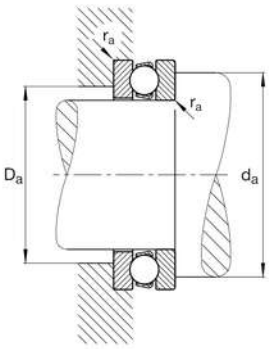
51124

Axial deep groove ball bearing

Axial deep groove ball bearing 511, single direction, steel sheet metal cage

Technical information





Your current product variant

Cage	JP	Steel sheet metal
Tolerance class	PN	Normal (PN)

Main Dimensions & Performance Data

d	120 mm	Inner diameter shaft washer
D	155 mm	Outer diameter housing washer
T	25 mm	Height
C_a	89,000 N	Basic dynamic load rating, axial
C_{0a}	310,000 N	Basic static load rating, axial
C_{ua}	12,000 N	Fatigue load limit, axial
n_G	3,200 1/min	Limiting speed
$n_{\vartheta r}$	2,600 1/min	Reference speed
≈m	1.121 kg	Weight

Mounting dimensions

$d_{a\ min}$	141 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	134 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum filled radius

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
D_1	122 mm	Inner diameter housing washer
d_1	155 mm	Outer diameter shaft washer

Temperature range

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

Calculation factors

A	0.49	Minimum load factor

Characteristics



Axial load in one direction


Grease Lubrication


Oil Lubrication


Not sealed

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