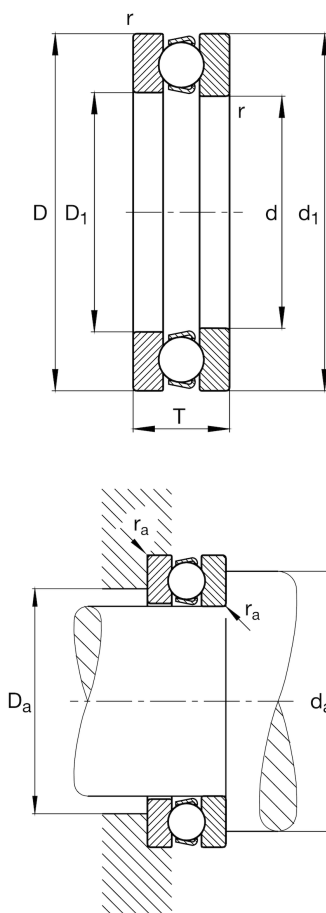
**FAG****51309**

Axial deep groove ball bearing

Schaeffler ID:
0167153140000Axial deep groove ball bearing 513, single
direction, steel sheet metal cage

Technical information



Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_1	47 mm	Inner diameter housing washer
d_1	85 mm	Outer diameter shaft washer
	0,642 kg	Weight

Main Dimensions & Performance Data

d	45 mm	Inner diameter shaft washer
D	85 mm	Outer diameter housing washer
T	28 mm	Height
C_a	75.000 N	Basic dynamic load rating, axial
C_{0a}	140.000 N	Basic static load rating, axial
C_{ua}	6.500 N	Fatigue load limit, axial
n_G	3.800 1/min	Limiting speed
n_{gr}	6.800 1/min	Reference speed

Mounting dimensions

$d_{a \min}$	69 mm	Minimum diameter shaft shoulder
$D_{a \max}$	61 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum filled radius

Calculation factors

A	0,12	Minimum load factor
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Temperature range

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