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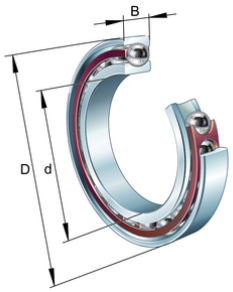


FAG

B7028-C-T-P4S-UL

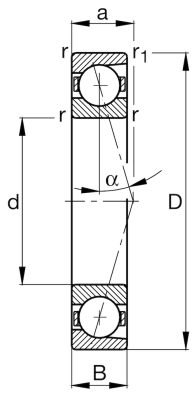
Spindle bearing

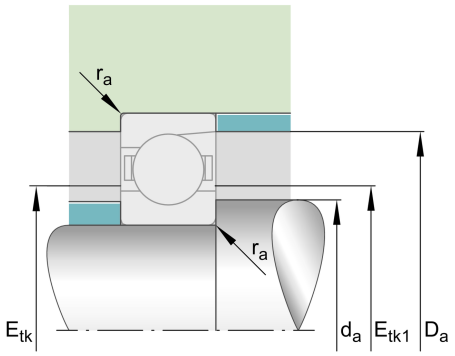
Schaeffler ID:
0191528840000

Preferred product

Spindle bearings B70..-C, adjusted, in pairs or sets, contact angle α = 15°, restricted tolerances

Technical information





Temperature range

T min	-30 °C	Operating temperature min.
T max	100 °C	Operating temperature max.
	3,288 kg	Weight

Main Dimensions & Performance Data

d	140 mm	Bore diameter
D	210 mm	Outside diameter
B	33 mm	Width
C r	153.000 N	Basic dynamic load rating, radial
C 0r	114.000 N	Basic static load rating, radial
C ur	9.100 N	Fatigue load limit, radial
n G Grease	6.300 1/min	Limiting speed for grease lubrication
n G Oil	10.000 1/min	Limiting speed for oil lubrication

Dimensions

r min	2 mm	Minimum chamfer dimension
r 1 min	2 mm	Minimum chamfer dimension
α	15 °	Contact angle

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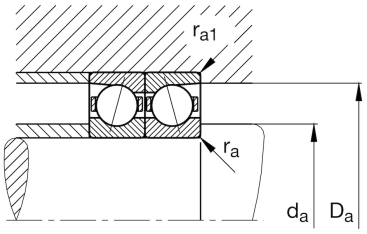

Mounting dimensions

d_a	152 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	199 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	2 mm	Maximum recess radius
$r_{a1\ max}$	1 mm	Maximum recess radius
$E_{tk\ min}$	161,6 mm	Minimum diameter injection pitch
$E_{tk\ max}$	169,2 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	161,6 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	169,2 mm	Maximum diameter injection pitch
a	39,9 mm	Distance between the apexes of the pressure cones

Additional information

$F_{V\ L}$	866 N	Preload force light
$F_{V\ M}$	2.724 N	Preload force medium
$F_{V\ H}$	5.429 N	Preload force heavy
$K_{aE\ L}$	2.661 N	Lift-off force light
$K_{aE\ M}$	9.007 N	Lift-off force medium
$K_{aE\ H}$	19.129 N	Lift-off force heavy
$c_{a\ L}$	142 N/µm	Axial rigidity light
$c_{a\ M}$	237 N/µm	Axial rigidity medium
$c_{a\ H}$	335 N/µm	Axial rigidity heavy