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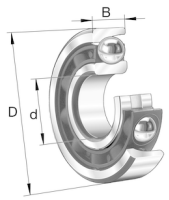


FAG

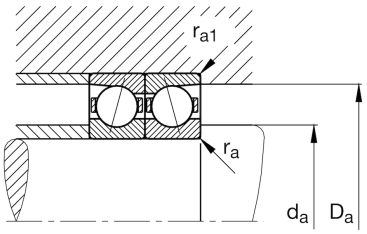
B7210-C-T-P4S-UL

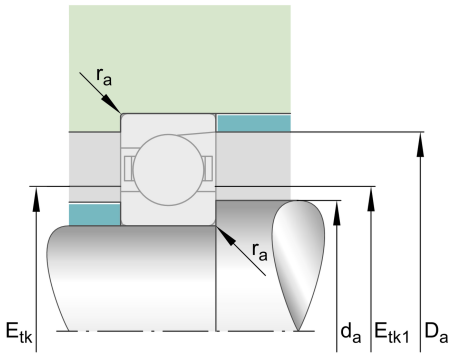
Spindle bearing

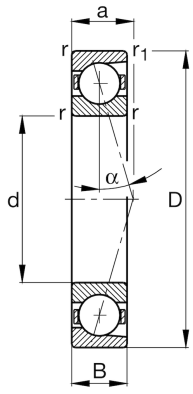
Schaeffler ID:
0190036250000

Spindle bearings B72..-C, adjusted, in pairs or sets, contact angle α = 15°, restricted tolerances

Technical information







Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	20 mm	Width
C_r	43.000 N	Basic dynamic load rating, radial
C_{0r}	22.400 N	Basic static load rating, radial
C_{ur}	2.370 N	Fatigue load limit, radial
$n_{G\ Grease}$	16.000 1/min	Limiting speed for grease lubrication
$n_{G\ Oil}$	26.000 1/min	Limiting speed for oil lubrication
	0,447 kg	Weight

Dimensions

r_{min}	1,1 mm	Minimum chamfer dimension
$r_{1\ min}$	1,1 mm	Minimum chamfer dimension
α	15 °	Contact angle

Mounting dimensions

d_a	57 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	83 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	1 mm	Maximum recess radius
$r_{a1\ max}$	0,6 mm	Maximum recess radius
$E_{tk\ min}$	62,4 mm	Minimum diameter injection pitch
$E_{tk\ max}$	66,8 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	62,4 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	66,8 mm	Maximum diameter injection pitch
a	19,4 mm	Distance between the apexes of the pressure cones

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Additional information

$F_{V\,L}$	240 N	Preload force light
$F_{V\,M}$	771 N	Preload force medium
$F_{V\,H}$	1.534 N	Preload force heavy
$K_{aE\,L}$	746 N	Lift-off force light
$K_{aE\,M}$	2.606 N	Lift-off force medium
$K_{aE\,H}$	5.556 N	Lift-off force heavy
$c_{a\,L}$	59,9 N/µm	Axial rigidity light
$c_{a\,M}$	103 N/µm	Axial rigidity medium
$c_{a\,H}$	147 N/µm	Axial rigidity heavy