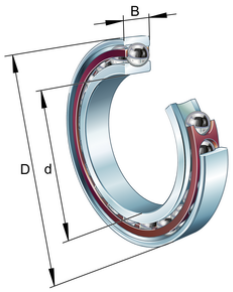
SCHAEFFLER



FAG

★ B71915-E-T-P4S-UL

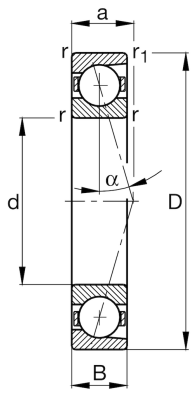
Spindle bearing

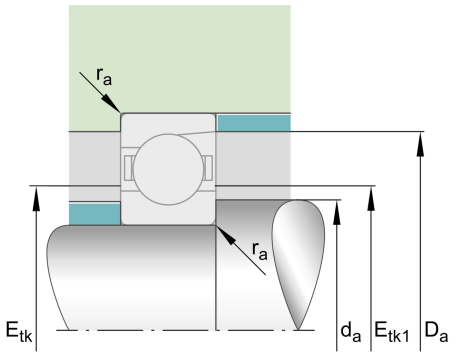
Schaeffler ID:
0191544100000

Spindle bearing B719..-E-T-P4S, with steel balls

★ Preferred product

Technical information





Temperature range

T min	-30 °C	Operating temperature min.
T max	100 °C	Operating temperature max.
	0,003 kg	Weight

Main Dimensions & Performance Data

d	75 mm	Bore diameter
D	105 mm	Outside diameter
B	16 mm	Width
C r	33.000 N	Basic dynamic load rating, radial
C 0r	22.900 N	Basic static load rating, radial
C ur	2.420 N	Fatigue load limit, radial
n G Grease	11.000 1/min	Limiting speed for grease lubrication
n G Oil	18.000 1/min	Limiting speed for oil lubrication

Dimensions

r min	1 mm	Minimum chamfer dimension
r 1 min	1 mm	Minimum chamfer dimension
α	25 °	Contact angle

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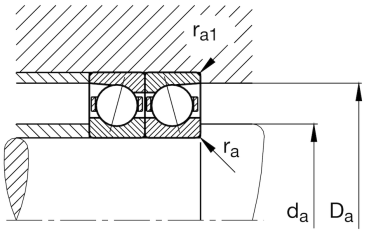

Mounting dimensions

d_a	81 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	99,5 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	0,6 mm	Maximum recess radius
$r_{a1\ max}$	0,3 mm	Maximum recess radius
$E_{tk\ min}$	84,3 mm	Minimum diameter injection pitch
$E_{tk\ max}$	87,2 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	84,3 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	87,2 mm	Maximum diameter injection pitch
a	29 mm	Distance between the apexes of the pressure cones

Additional information

$F_{V\ L}$	235 N	Preload force light
$F_{V\ M}$	897 N	Preload force medium
$F_{V\ H}$	1.928 N	Preload force heavy
$K_{aE\ L}$	682 N	Lift-off force light
$K_{aE\ M}$	2.688 N	Lift-off force medium
$K_{aE\ H}$	5.970 N	Lift-off force heavy
$c_{a\ L}$	156 N/µm	Axial rigidity light
$c_{a\ M}$	257 N/µm	Axial rigidity medium
$c_{a\ H}$	351 N/µm	Axial rigidity heavy