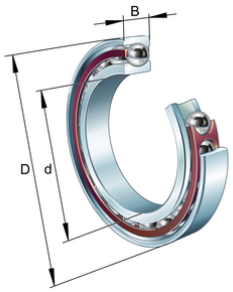
SCHAEFFLER



FAG

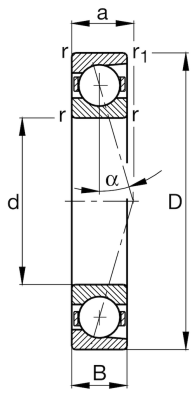
B71907-E-T-P4S-UL

Spindle bearing

Schaeffler ID:
0191537670000

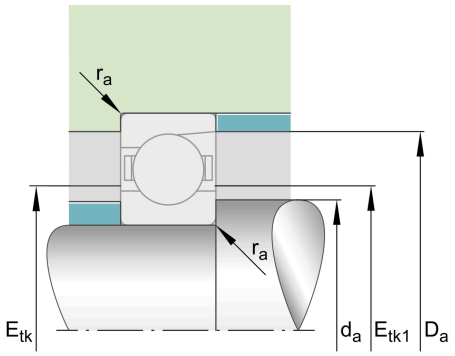
Spindle bearing B719..-E, adjusted, in pairs or sets, contact angle α = 25°, restricted tolerances

Technical information



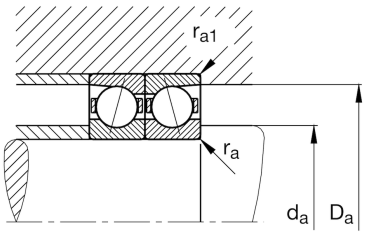
Main Dimensions & Performance Data

d	1,378 in	Bore diameter
D	2,165 in	Outside diameter
B	0,394 in	Width
C_r	2.585,432 lbf	Basic dynamic load rating, radial
C_{0r}	1.461,331 lbf	Basic static load rating, radial
C_{ur}	152,878 lbf	Fatigue load limit, radial
$n_{G\ Grease}$	24.000 1/min	Limiting speed for grease lubrication
$n_{G\ Oil}$	36.000 1/min	Limiting speed for oil lubrication
	2,699 oz	${Weight}



Mounting dimensions

d_a	1,575 in	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	2,028 in	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	0,024 in	Maximum recess radius
$r_{a1\ max}$	0,006 in	Maximum recess radius
$E_{tk\ min}$	1,677 in	Minimum diameter injection pitch
$E_{tk\ max}$	1,732 in	Maximum diameter injection pitch
$E_{tk1\ min}$	1,677 in	Minimum diameter injection pitch
$E_{tk1\ max}$	1,732 in	Maximum diameter injection pitch
a	0,614 in	Distance between the apexes of the pressure cones



Dimensions

r_{min}	0,024 in	Minimum chamfer dimension
$r_{1\ min}$	0,024 in	Minimum chamfer dimension
α	25 °	Contact angle

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.

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Temperature range

T_{min}	-22 °F	Operating temperature min.
T_{max}	212 °F	Operating temperature max.

Additional information

$F_{V\,L}$	13,489 lbf	Preload force light
$F_{V\,M}$	61,376 lbf	Preload force medium
$F_{V\,H}$	137,815 lbf	Preload force heavy
$K_{aE\,L}$	39,119 lbf	Lift-off force light
$K_{aE\,M}$	184,353 lbf	Lift-off force medium
$K_{aE\,H}$	429,406 lbf	Lift-off force heavy
$c_{a\,L}$	72,9 N/µm	Axial rigidity light
$c_{a\,M}$	129 N/µm	Axial rigidity medium
$c_{a\,H}$	179 N/µm	Axial rigidity heavy

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