SCHAEFFLER
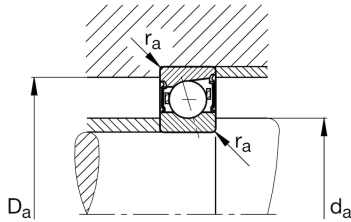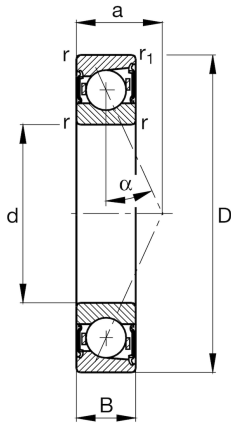
FAG

B71917-E-2RSD-T-P4S-UL

Spindle bearing

Schaeffler ID:
0386846750000

Spindle bearing B719..-E-2RSD, adjusted, in pairs or sets, contact angle α = 25°, lip seals on both sides, non-contact, restricted tolerances

Technical information

Main Dimensions & Performance Data

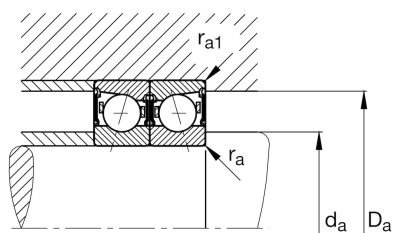|			
d	3,346 in		Bore diameter
D	4,724 in		Outside diameter
B	0,709 in		Width
C_r	10.004,496 lbf		Basic dynamic load rating, radial
C_{0r}	7.081,835 lbf		Basic static load rating, radial
C_{ur}	741,906 lbf		Fatigue load limit, radial
$n_{G\ Grease}$	10.000 1/min		Limiting speed for grease lubrication
	1,162 lbs		${Weight}

Mounting dimensions

d_a	3,622 in	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	4,488 in	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	0,024 in	Maximum recess radius
$r_{a1\ max}$	0,024 in	Maximum recess radius
a	1,295 in	Distance between the apexes of the pressure cones

Dimensions

r_{min}	0,043 in	Minimum chamfer dimension
$r_{1\ min}$	0,043 in	Minimum chamfer dimension
α	25 °	Contact angle

Temperature range

T_{min}	-22 °F	Operating temperature min.
T_{max}	176 °F	Operating temperature max.

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.

Additional information

F_{VL}	74,865 lbf	Preload force light
F_{VM}	275,629 lbf	Preload force medium
F_{VH}	586,556 lbf	Preload force heavy
K_{aEL}	217,626 lbf	Lift-off force light
K_{aEM}	826,214 lbf	Lift-off force medium
K_{aEH}	1.815,198 lbf	Lift-off force heavy
c_{aL}	184 N/µm	Axial rigidity light
c_{aM}	301 N/µm	Axial rigidity medium
c_{aH}	409 N/µm	Axial rigidity heavy

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