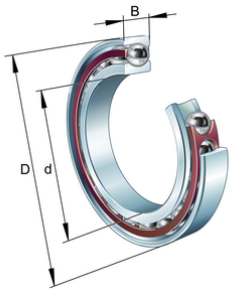
SCHAEFFLER



FAG

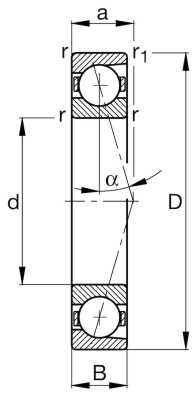
B71928-E-T-P4S-UL

Spindle bearing

Schaeffler ID:
0191552800000

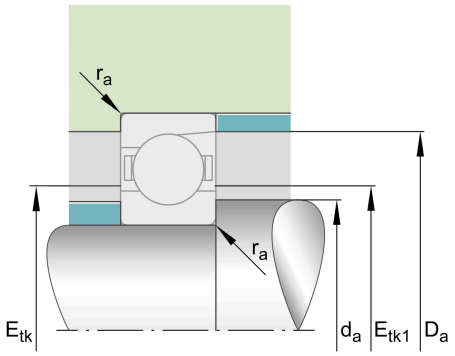
Spindle bearing B719..-E, adjusted, in pairs or sets, contact angle α = 25°, restricted tolerances

Technical information



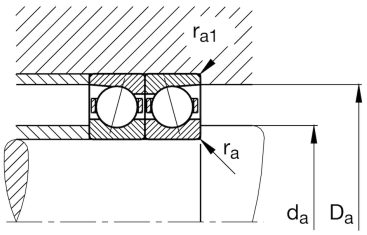
Main Dimensions & Performance Data

d	5,512 in	Bore diameter
D	7,48 in	Outside diameter
B	0,945 in	Width
C_r	20.008,993 lbf	Basic dynamic load rating, radial
C_{0r}	16.411,871 lbf	Basic static load rating, radial
C_{ur}	1.348,921 lbf	Fatigue load limit, radial
$n_{G\ Grease}$	6.000 1/min	Limiting speed for grease lubrication
$n_{G\ Oil}$	9.500 1/min	Limiting speed for oil lubrication
	3,51 lbs	${Weight}



Mounting dimensions

d_a	5,866 in	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	7,126 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
$E_{tk\ min}$	6,122 in	Minimum diameter injection pitch
$E_{tk\ max}$	6,323 in	Maximum diameter injection pitch
$E_{tk1\ min}$	6,122 in	Minimum diameter injection pitch
$E_{tk1\ max}$	6,323 in	Maximum diameter injection pitch
a	1,988 in	Distance between the apexes of the pressure cones



Dimensions

r_{min}	0,059 in	Minimum chamfer dimension
$r_{1\ min}$	0,059 in	Minimum chamfer dimension
α	25 °	Contact angle

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Temperature range

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

Additional information

$F_{V\,L}$	165,468 lbf	Preload force light
$F_{V\,M}$	576,439 lbf	Preload force medium
$F_{V\,H}$	1.207,959 lbf	Preload force heavy
$K_{aE\,L}$	480,216 lbf	Lift-off force light
$K_{aE\,M}$	1.722,797 lbf	Lift-off force medium
$K_{aE\,H}$	3.718,975 lbf	Lift-off force heavy
$c_{a\,L}$	292 N/µm	Axial rigidity light
$c_{a\,M}$	466 N/µm	Axial rigidity medium
$c_{a\,H}$	628 N/µm	Axial rigidity heavy