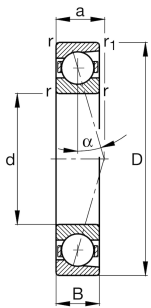
**FAG****B71908-E-T-P4S-UL** **Spindle bearing**

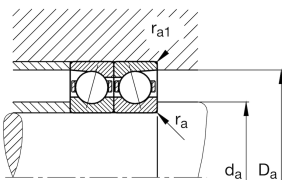
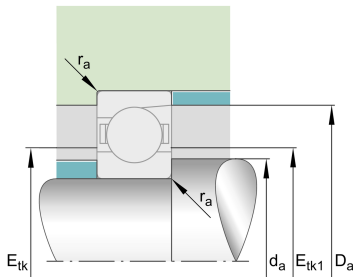
Spindle bearing B719...-E, adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, restricted tolerances

Technical information**Your current product variant**

Preload	L	Preload light
Contact angle	E	Contact angle 25°
Tolerance class	P4S	Tolerance class P4S, FAG standard better than P4 to ISO 492:2023
Type of Seal	Without	Not sealed
Cage	T	Laminated fabric cage
Arrangement bearing set	U	Single bearing

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	62 mm	Outside diameter
B	12 mm	Width
C_r	17.100 N	Basic dynamic load rating, radial
C_{0r}	9.400 N	Basic static load rating, radial
C_{ur}	990 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	20.000 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	32.000 1/min	Limiting speed for oil lubrication
$\approx m$	108,93 g	Weight





Mounting dimensions

d _a	45 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	58,5 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	0,15 mm	Maximum recess radius
E _{tk} min	47,3 mm	Minimum diameter injection pitch
E _{tk} max	49,1 mm	Maximum diameter injection pitch
E _{tk1} min	47,3 mm	Minimum diameter injection pitch
E _{tk1} max	49,1 mm	Maximum diameter injection pitch
a	17,9 mm	Distance between the apexes of the pressure cones

Dimensions

r _{min}	0,6 mm	Minimum chamfer dimension
r ₁ min	0,6 mm	Minimum chamfer dimension
α	25 °	Contact angle

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.



Additional information

F_{VL}	111 N	Preload force light
F_{VM}	447 N	Preload force medium
F_{VH}	974 N	Preload force heavy
K_{aEL}	324 N	Lift-off force light
K_{aEM}	1.348 N	Lift-off force medium
K_{aEH}	3.043 N	Lift-off force heavy
c_{aL}	91 N/ μ m	Axial rigidity light
c_{aM}	155 N/ μ m	Axial rigidity medium
c_{aH}	213 N/ μ m	Axial rigidity heavy

Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed