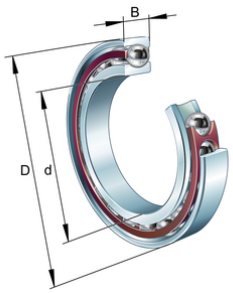
View product details on medias

05.09.2026, 07:16:05 UTC

SCHAEFFLER



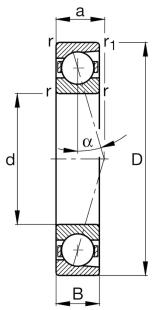
FAG

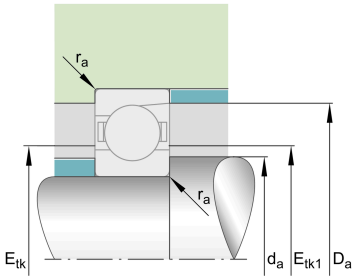
B71918-E-T-P4S-UL

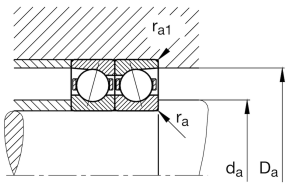
Spindle bearing

Spindle bearing B719..-E, adjusted, in pairs or sets, contact angle α = 25°, 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
Sealing	Without	Not sealed
Cage	T	Laminated fabric cage
Arrangement bearing set	U	Single bearing

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	125 mm	Outside diameter
B	18 mm	Width
C_r	45.000 N	Basic dynamic load rating, radial
C_{0r}	33.000 N	Basic static load rating, radial
C_{ur}	3.400 N	Fatigue load limit, radial
n_G Grease	9.500 1/min	Limiting speed for grease lubrication
n_G Oil	15.000 1/min	Limiting speed for oil lubrication
≈m	0,546 kg	Weight

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Mounting dimensions

d_a	97 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	119 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	0,6 mm	Maximum recess radius
$r_{a1\ max}$	0,6 mm	Maximum recess radius
$E_{tk\ min}$	100,9 mm	Minimum diameter injection pitch
$E_{tk\ max}$	104,3 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	100,9 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	104,3 mm	Maximum diameter injection pitch
a	34,1 mm	Distance between the apexes of the pressure cones

Dimensions

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

Temperature range

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

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Additional information

$F_{V\,L}$	334 N	Preload force light
$F_{V\,M}$	1.236 N	Preload force medium
$F_{V\,H}$	2.634 N	Preload force heavy
$K_{aE\,L}$	970 N	Lift-off force light
$K_{aE\,M}$	3.701 N	Lift-off force medium
$K_{aE\,H}$	8.140 N	Lift-off force heavy
$c_{a\,L}$	189 N/µm	Axial rigidity light
$c_{a\,M}$	309 N/µm	Axial rigidity medium
$c_{a\,H}$	420 N/µm	Axial rigidity heavy

Characteristics

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

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