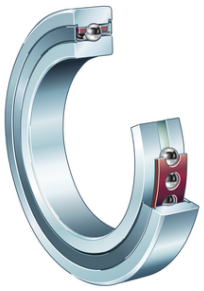


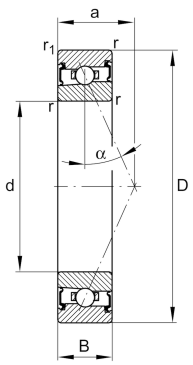
FAG

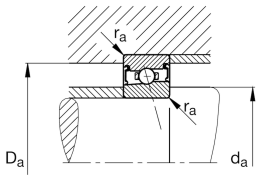
HSS71906-E-T-P4S-UL

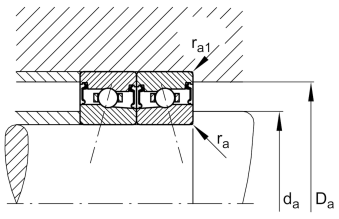
High speed spindle bearing

High speed spindle bearing HSS719..-E, adjusted, in pairs or sets, contact angle α = 25°, lip seals on both sides, non-contact, restricted tolerances

Informacje techniczne







Twoja aktualna wersja produktu

Contact angle	E	Contact angle 25°
Type of Seal	2RSD	Non-contact sealed on both sides and greased “for life”
Cage	T	Laminated fabric cage
Tolerance class	P4S	Tolerance class P4S, FAG standard better than P4 to ISO 492:2023
Arrangement bearing set	U	Single bearing
Preload class	L	Preload light
Lubricant	GA21	Grease for super precision bearings, standard

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	47 mm	Outside diameter
B	9 mm	Width
C_r	5.600 N	Basic dynamic load rating, radial
C_{0r}	2.950 N	Basic static load rating, radial
C_{ur}	315 N	Fatigue load limit, radial
n_G Grease	38.000 1/min	Limiting speed for grease lubrication
n_G	60.000 1/min	Limiting speed
≈m	0,055 kg	Masa

Mounting dimensions

d_a	34 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	43,5 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\,max}$	0,3 mm	Maximum recess radius
$r_{a1\,max}$	0,15 mm	Maximum recess radius
a	13,5 mm	Distance between the apexes of the pressure cones

Dimensions

r_{min}	0,3 mm	Minimum chamfer dimension
$r_{1\,min}$	0,3 mm	Minimum chamfer dimension
α	25 °	Contact angle

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	80 °C	Operating temperature max.

Additional information

$F_{V\,L}$	35 N	Preload force light
$F_{V\,M}$	104 N	Preload force medium
$F_{V\,H}$	207 N	Preload force heavy
$K_{aE\,L}$	100 N	Lift-off force light
$K_{aE\,M}$	306 N	Lift-off force medium
$K_{aE\,H}$	625 N	Lift-off force heavy
$c_{a\,L}$	53 N/µm	Axial rigidity light
$c_{a\,M}$	79 N/µm	Axial rigidity medium
$c_{a\,H}$	103 N/µm	Axial rigidity heavy

Właściwości

Obciążenie promieniowe

Obciążenie osiowe jednokierunkowe

Smarowanie dożywotnie, bezobsługowe


Smarowanie smarem


Uszczelnienie dwustronne