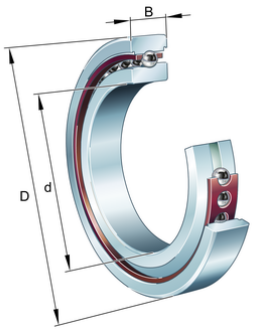


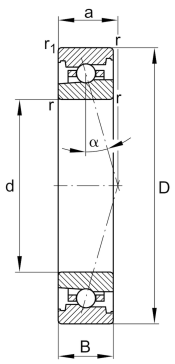
FAG

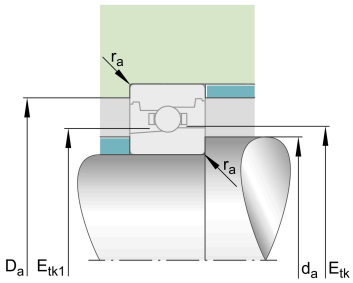
HS7021-C-T-P4S-UL

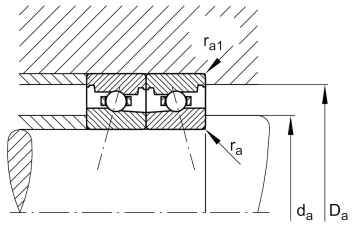
High speed spindle bearing

High speed spindle bearing HS70..-C, adjusted, in pairs or sets, contact angle α = 15°, restricted tolerances

Informacje techniczne







Twoja aktualna wersja produktu

Contact angle	C	Contact angle 15°
Sealing	Without	Not sealed
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

Main Dimensions & Performance Data

d	105 mm	Bore diameter
D	160 mm	Outside diameter
B	26 mm	Width
C_r	47.500 N	Basic dynamic load rating, radial
C_{0r}	36.500 N	Basic static load rating, radial
C_{ur}	3.350 N	Fatigue load limit, radial
n_G Grease	12.000 1/min	Limiting speed for grease lubrication
n_G Oil	18.000 1/min	Limiting speed for oil lubrication
n_G	18.000 1/min	Limiting speed
≈m	1,628 kg	Masa

Mounting dimensions

d_a	116 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	150 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	2 mm	Maximum recess radius
$r_{a1\ max}$	1 mm	Maximum recess radius
$E_{tk\ min}$	125,8 mm	Minimum diameter injection pitch
$E_{tk\ max}$	129 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	121,7 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	129 mm	Maximum diameter injection pitch
a	30,8 mm	Distance between the apexes of the pressure cones

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
$r_{1\ min}$	2 mm	Minimum chamfer dimension
α	15 °	Contact angle

Temperature range

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

Additional information

$F_{V\,L}$	164 N	Preload force light
$F_{V\,M}$	492 N	Preload force medium
$F_{V\,H}$	985 N	Preload force heavy
$K_{aE\,L}$	489 N	Lift-off force light
$K_{aE\,M}$	1.536 N	Lift-off force medium
$K_{aE\,H}$	3.194 N	Lift-off force heavy
$c_{a\,L}$	75 N/µm	Axial rigidity light
$c_{a\,M}$	117 N/µm	Axial rigidity medium
$c_{a\,H}$	160 N/µm	Axial rigidity heavy

Właściwości

- Obciążenie promieniowe
- Obciążenie osiowe jednokierunkowe
- Smarowanie smarem
- Smarowanie olejem
- Bez uszczelnienia