

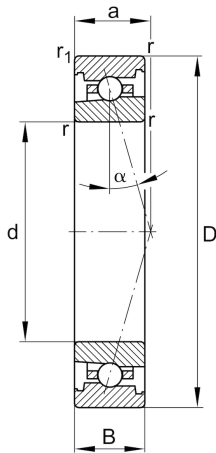
FAG

HS71926-C-T-P4S-UL

Angular contact ball bearing

Spindle bearings HS719...-C, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, restricted tolerances

Technical information



Main Dimensions & Performance Data

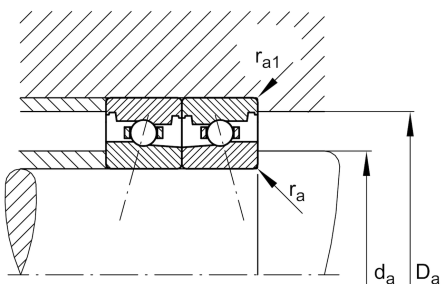
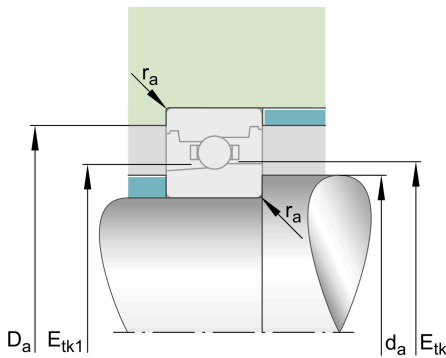
d	130 mm	Bore diameter
D	180 mm	Outside diameter
B	24 mm	Width
C_r	40.500 N	Basic dynamic load rating, radial
C_{0r}	36.500 N	Basic static load rating, radial
C_{ur}	3.100 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	10.000 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	16.000 1/min	Limiting speed for oil lubrication
$\approx m$	1,604 kg	Weight

Mounting dimensions

d_a	139 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	171 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a \text{ max}}$	0,6 mm	Maximum recess radius
$r_{a1 \text{ max}}$	0,6 mm	Maximum recess radius
$E_{tk \text{ min}}$	149,3 mm	Minimum diameter injection pitch
$E_{tk \text{ max}}$	151,4 mm	Maximum diameter injection pitch
$E_{tk1 \text{ min}}$	145,8 mm	Minimum diameter injection pitch
$E_{tk1 \text{ max}}$	151,4 mm	Maximum diameter injection pitch
a	32,8 mm	Distance between the apexes of the pressure cones

Dimensions

r_{min}	1,5 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	1,5 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_{VL}	139 N	Preload force light
F_{VM}	417 N	Preload force medium
F_{VH}	834 N	Preload force heavy
K_{aEL}	413 N	Lift-off force light
K_{aEM}	1.291 N	Lift-off force medium
K_{aEH}	2.682 N	Lift-off force heavy
C_{aL}	81 N/μm	Axial rigidity light
C_{aM}	126 N/μm	Axial rigidity medium
C_{aH}	171 N/μm	Axial rigidity heavy