View product details on medias

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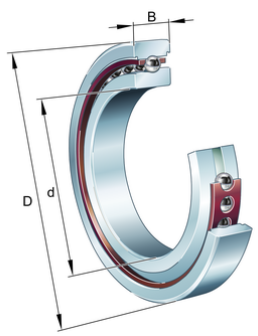


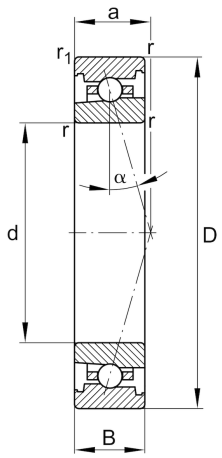
FAG

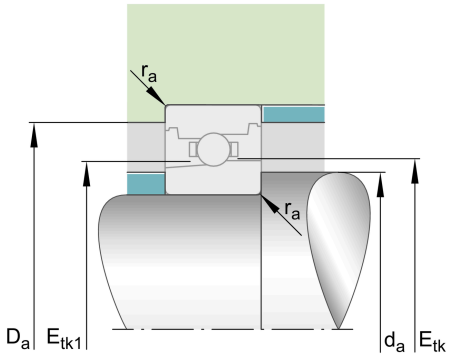
HS71917-C-T-P4S-UL

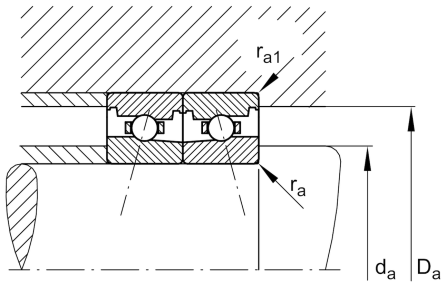
Angular contact ball bearing

Spindle bearings HS719..-C, adjusted, in pairs or sets, contact angle α = 15°, restricted tolerances

Technical information







Main Dimensions & Performance Data

d	85 mm	Bore diameter
D	120 mm	Outside diameter
B	18 mm	Width
C_r	21.200 N	Basic dynamic load rating, radial
C_{0r}	17.000 N	Basic static load rating, radial
C_{ur}	1.770 N	Fatigue load limit, radial
$n_{G\ Grease}$	15.000 1/min	Limiting speed for grease lubrication
$n_{G\ Oil}$	24.000 1/min	Limiting speed for oil lubrication
≈m	0,6 kg	Weight

Mounting dimensions

d_a	92 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	114 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
$E_{tk\ min}$	98,5 mm	Minimum diameter injection pitch
$E_{tk\ max}$	99,9 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	96 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	99,9 mm	Maximum diameter injection pitch
a	22,7 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	15 °	Contact angle

Temperature range

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

Additional information

$F_{V\,L}$	74 N	Preload force light
$F_{V\,M}$	221 N	Preload force medium
$F_{V\,H}$	442 N	Preload force heavy
$K_{aE\,L}$	220 N	Lift-off force light
$K_{aE\,M}$	689 N	Lift-off force medium
$K_{aE\,H}$	1.433 N	Lift-off force heavy
$c_{a\,L}$	56 N/µm	Axial rigidity light
$c_{a\,M}$	87 N/µm	Axial rigidity medium
$c_{a\,H}$	119 N/µm	Axial rigidity heavy