

FAG

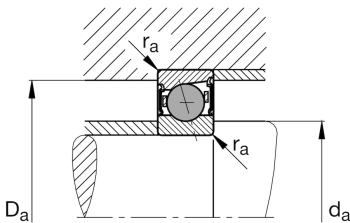
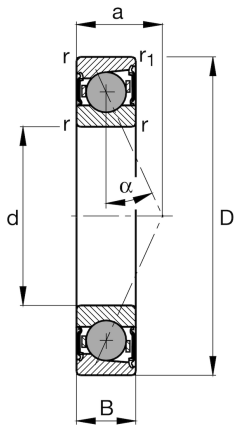
HCS71907-E-T-P4S-UL

Angular contact ball bearing

Schaeffler ID:
0191806910000

Spindle bearings HCS719..-E, adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, with ceramic balls, lip seals on both sides, non-contact, restricted tolerances

Technical information



Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	55 mm	Outside diameter
B	10 mm	Width
C _r	6,100 N	Basic dynamic load rating, radial
C _{0r}	3,450 N	Basic static load rating, radial
C _{ur}	275 N	Fatigue load limit, radial
n _{G Grease}	40,000 1/min	Limiting speed for grease lubrication
	74.68 g	Weight

Mounting dimensions

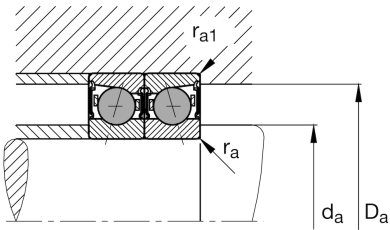
d _a	40 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	51.5 mm	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _{a max}	0.6 mm	Maximum recess radius
r _{a1 max}	0.15 mm	Maximum recess radius
a	15.5 mm	Distance between the apexes of the pressure cones

Dimensions

r _{min}	0.6 mm	Minimum chamfer dimension
r _{1 min}	0.6 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_{VL}	26 N	Preload force light
F_{VM}	78 N	Preload force medium
F_{VH}	155 N	Preload force heavy
K_{aEL}	74 N	Lift-off force light
K_{aEM}	226 N	Lift-off force medium
K_{aEH}	459 N	Lift-off force heavy
c_{aL}	60.5 N/μm	Axial rigidity light
c_{aM}	89.4 N/μm	Axial rigidity medium
c_{aH}	116 N/μm	Axial rigidity heavy