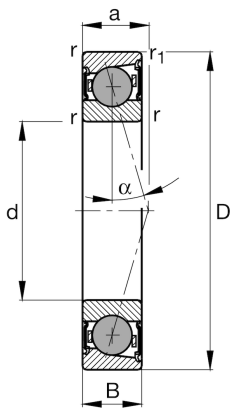


**FAG****HCB7011-E-2RSD-T-P4S-UL** [🔗](#)

Spindle bearing

Schaeffler ID:
0385871570000Spindle bearings HCB70...-E-2RSD, 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

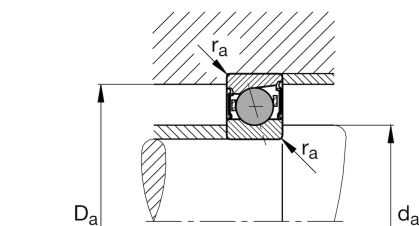
d	55 mm	Bore diameter
D	90 mm	Outside diameter
B	18 mm	Width
C_r	37.000 N	Basic dynamic load rating, radial
C_{0r}	20.100 N	Basic static load rating, radial
C_{ur}	1.620 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	20.000 1/min	Limiting speed for grease lubrication
$\approx m$	315,05 g	Weight

Mounting dimensions

d_a	62 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	83 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a \text{ max}}$	1 mm	Maximum recess radius
$r_{a1 \text{ max}}$	0,6 mm	Maximum recess radius
a	25,9 mm	Distance between the apexes of the pressure cones

Dimensions

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

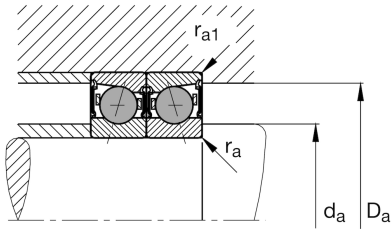




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Temperature range

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

Additional information

F _{VL}	136 N	Preload force light
F _{VM}	562 N	Preload force medium
F _{VH}	1.236 N	Preload force heavy
K _{aEL}	390 N	Lift-off force light
K _{aEM}	1.653 N	Lift-off force medium
K _{aEH}	3.728 N	Lift-off force heavy
C _{aL}	121 N/μm	Axial rigidity light
C _{aM}	203 N/μm	Axial rigidity medium
C _{aH}	275 N/μm	Axial rigidity heavy