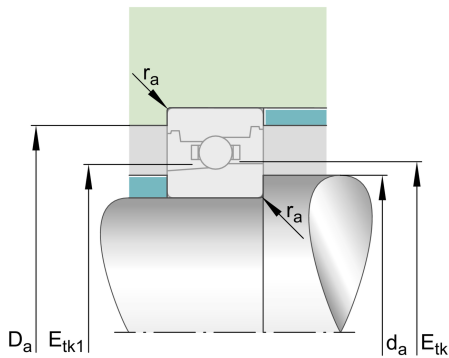
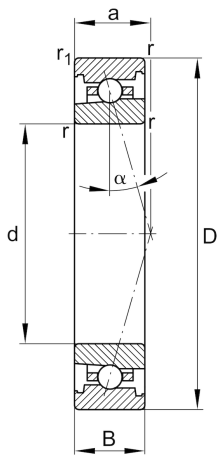
**FAG****HS7022-C-T-P4S-UL**

Angular contact ball bearing

Schaeffler ID:
0384690650000Spindle bearings HS70...-C, adjusted,
in pairs or sets, contact angle $\alpha = 15^\circ$,
restricted tolerances

Technical information

**Temperature range**

T_{min}	-30 °C	Operating temperature min.
T_{max}	100 °C	Operating temperature max.
	2,076 kg	Weight

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	170 mm	Outside diameter
B	28 mm	Width
C_r	48.000 N	Basic dynamic load rating, radial
C_{0r}	38.000 N	Basic static load rating, radial
C_{ur}	3.400 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

Dimensions

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



Mounting dimensions

d_a	121 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	159 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
$E_{tk \min}$	133,3 mm	Minimum diameter injection pitch
$E_{tk \max}$	136,5 mm	Maximum diameter injection pitch
$E_{tk1 \min}$	129,2 mm	Minimum diameter injection pitch
$E_{tk1 \max}$	136,5 mm	Maximum diameter injection pitch
a	32,8 mm	Distance between the apexes of the pressure cones

Additional information

F_{VL}	168 N	Preload force light
F_{VM}	503 N	Preload force medium
F_{VH}	1.005 N	Preload force heavy
K_{aEL}	499 N	Lift-off force light
K_{aEM}	1.566 N	Lift-off force medium
K_{aEH}	3.257 N	Lift-off force heavy
c_{aL}	77,2 N/ μm	Axial rigidity light
c_{aM}	121 N/ μm	Axial rigidity medium
c_{aH}	164 N/ μm	Axial rigidity heavy