

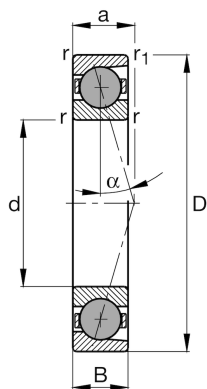
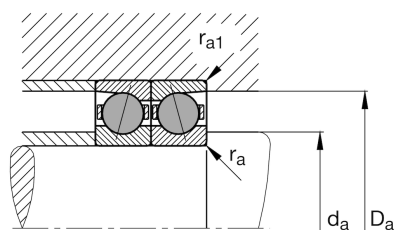
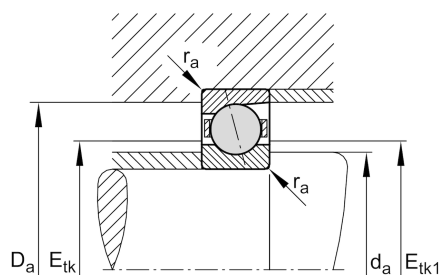
FAG

## HCB7016-C-T-P4S-UL

Spindle bearing

Schaeffler ID:  
0390671730000Spindle bearings HCB70...-C, adjusted, in pairs or sets, contact angle  $\alpha = 15^\circ$ , with ceramic balls, restricted tolerances

## Technical information



## Main Dimensions &amp; Performance Data

d	80 mm	Bore diameter
D	125 mm	Outside diameter
B	22 mm	Width
$C_r$	65.000 N	Basic dynamic load rating, radial
$C_{0r}$	39.000 N	Basic static load rating, radial
$C_{ur}$	3.100 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	15.000 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	24.000 1/min	Limiting speed for oil lubrication
	0,703 kg	Weight

## Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
$\alpha$	$15^\circ$	Contact angle

## Mounting dimensions

$d_a$	88 mm	Diameter shaft shoulder
$d_a$	h12	Diameter shaft shoulder clearance
$D_a$	117 mm	Shoulder diameter outer ring
$D_a$	H12	Shoulder diameter outer ring clearance
$r_{a \max}$	1 mm	Maximum recess radius
$r_{a1 \max}$	0,6 mm	Maximum recess radius
$E_{tk \min}$	94 mm	Minimum diameter injection pitch
$E_{tk \max}$	98,8 mm	Maximum diameter injection pitch
$E_{tk1 \min}$	94 mm	Minimum diameter injection pitch
$E_{tk1 \max}$	98,8 mm	Maximum diameter injection pitch
a	24,7 mm	Distance between the apexes of the pressure cones

**Additional information**

$F_{VL}$	186 N	Preload force light
$F_{VM}$	640 N	Preload force medium
$F_{VH}$	1.327 N	Preload force heavy
$K_{aEL}$	554 N	Lift-off force light
$K_{aEM}$	2.020 N	Lift-off force medium
$K_{aEH}$	4.415 N	Lift-off force heavy
$c_{aL}$	74 N/ $\mu\text{m}$	Axial rigidity light
$c_{aM}$	123 N/ $\mu\text{m}$	Axial rigidity medium
$c_{aH}$	173 N/ $\mu\text{m}$	Axial rigidity heavy