

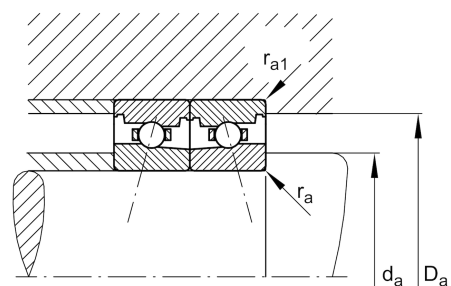
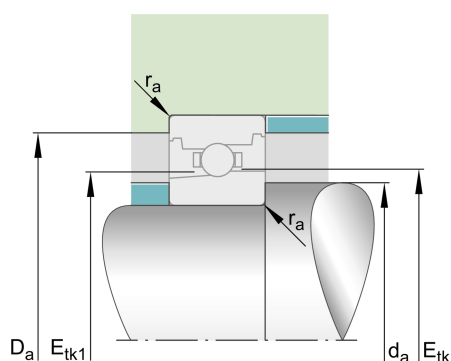
FAG

**HS7006-E-T-P4S-UL**

Angular contact ball bearing

Schaeffler ID:  
0191840770000Spindle bearings HS70..-E, adjusted,  
in pairs or sets, contact angle  $\alpha = 25^\circ$ ,  
restricted tolerances

## Technical information

**Temperature range**

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.
	0,124 kg	Weight

**Main Dimensions & Performance Data**

d	30 mm	Bore diameter
D	55 mm	Outside diameter
B	13 mm	Width
$C_r$	7.800 N	Basic dynamic load rating, radial
$C_{0r}$	4.050 N	Basic static load rating, radial
$C_{ur}$	425 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	34.000 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	53.000 1/min	Limiting speed for oil lubrication

**Dimensions**

$r_{\min}$	1 mm	Minimum chamfer dimension
$r_{1 \min}$	1 mm	Minimum chamfer dimension
$\alpha$	25 °	Contact angle

**Mounting dimensions**

$d_a$	36 mm	Diameter shaft shoulder
$d_a$	h12	Diameter shaft shoulder clearance
$D_a$	49 mm	Shoulder diameter outer ring
$D_a$	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	1 mm	Maximum recess radius
$r_{a1\ max}$	0,3 mm	Maximum recess radius
$E_{tk\ min}$	39,7 mm	Minimum diameter injection pitch
$E_{tk\ max}$	40,9 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	37,9 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	40,9 mm	Maximum diameter injection pitch
$a$	16,4 mm	Distance between the apexes of the pressure cones

**Additional information**

$F_{VL}$	48 N	Preload force light
$F_{VM}$	143 N	Preload force medium
$F_{VH}$	286 N	Preload force heavy
$K_{aEL}$	138 N	Lift-off force light
$K_{aEM}$	423 N	Lift-off force medium
$K_{aEH}$	865 N	Lift-off force heavy
$c_{aL}$	60,6 N/ $\mu$ m	Axial rigidity light
$c_{aM}$	90,6 N/ $\mu$ m	Axial rigidity medium
$c_{aH}$	119 N/ $\mu$ m	Axial rigidity heavy