



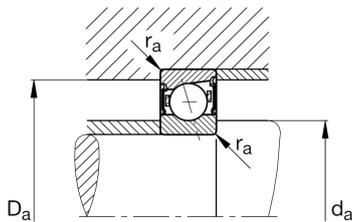
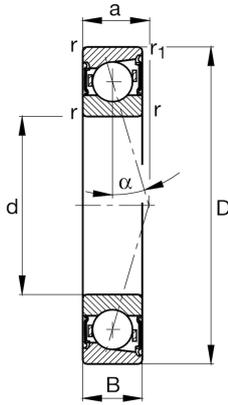
FAG

**B7004-C-2RSD-T-P4S-UL**

Spindle bearing

Schaeffler ID:  
0191500160000Spindle bearings B70...-C-2RSD, adjusted, in pairs or sets, contact angle  $\alpha = 15^\circ$ , lip seals on both sides, non-contact, restricted tolerances

## Technical information

**Main Dimensions & Performance Data**

d	0,787 in	Bore diameter
D	1,654 in	Outside diameter
B	0,472 in	Width
$C_r$	2.315,647 lbf	Basic dynamic load rating, radial
$C_{0r}$	955,486 lbf	Basic static load rating, radial
$C_{ur}$	101,169 lbf	Fatigue load limit, radial
$n_{G \text{ Grease}}$	38.000 1/min	Limiting speed for grease lubrication
	2,363 oz	{Weight}

**Mounting dimensions**

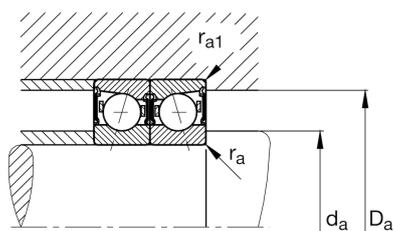
$d_a$	0,984 in	Diameter shaft shoulder
$d_a$	h12	Diameter shaft shoulder clearance
$D_a$	1,457 in	Shoulder diameter outer ring
$D_a$	H12	Shoulder diameter outer ring clearance
$r_{a \text{ max}}$	0,024 in	Maximum recess radius
$r_{a1 \text{ max}}$	0,012 in	Maximum recess radius
a	0,402 in	Distance between the apexes of the pressure cones

**Dimensions**

$r_{\text{min}}$	0,024 in	Minimum chamfer dimension
$r_{1 \text{ min}}$	0,024 in	Minimum chamfer dimension
$\alpha$	15 °	Contact angle

**Temperature range**

$T_{\text{min}}$	-22 °F	Operating temperature min.
$T_{\text{max}}$	176 °F	Operating temperature max.



### Additional information

$F_{VL}$	11,466 lbf	Preload force light
$F_{VM}$	39,344 lbf	Preload force medium
$F_{VH}$	80,036 lbf	Preload force heavy
$K_{aEL}$	35,297 lbf	Lift-off force light
$K_{aEM}$	131,745 lbf	Lift-off force medium
$K_{aEH}$	286,871 lbf	Lift-off force heavy
$c_{aL}$	22,6 N/ $\mu$ m	Axial rigidity light
$c_{aM}$	39,4 N/ $\mu$ m	Axial rigidity medium
$c_{aH}$	56,8 N/ $\mu$ m	Axial rigidity heavy