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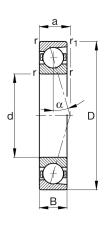
B7010-E-T-P4S-UL

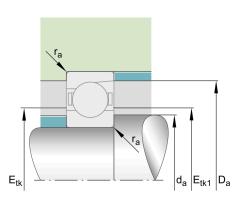
Spindle bearing

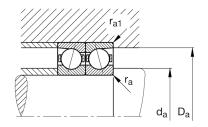
Schaeffler ID: 0190035790000

Spindle bearings B70..-E, adjusted, in pairs or sets, contact angle α = 25°, restricted tolerances

Technical information







Main Dimensions & Performance Data

d	1,969 in	Bore diameter
D	3,15 in	Outside diameter
В	0,63 in	Width
C _r	6.182,554 lbf	Basic dynamic load rating, radial
C _{Or}	3.439,748 lbf	Basic static load rating, radial
C ur	364,209 lbf	Fatigue load limit, radial
n _{G Grease}	16.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	24.000 1/min	Limiting speed for oil lubrication
	8,829 oz	\${Weight}

Mounting dimensions

d _a	2,205 in	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	2,913 in	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _{a max}	0,039 in	Maximum recess radius
r _{a1 max}	0,012 in	Maximum recess radius
E _{tk min}	2,335 in	Minimum diameter injection pitch
E _{tk max}	2,453 in	Maximum diameter injection pitch
E tk1 min	2,335 in	Minimum diameter injection pitch
E tk1 max	2,453 in	Maximum diameter injection pitch
а	0,913 in	Distance between the apexes of the pressure
		cones

Dimensions

r _{min}	0,039 in	Minimum chamfer dimension
r _{1 min}	0,039 in	Minimum chamfer dimension
α	25 °	Contact angle

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.

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Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	212 °F	Operating temperature max.

Additional information

F _{VL}	46,987 lbf	Preload force light
F _{VM}	174,011 lbf	Preload force medium
F _{VH}	370,504 lbf	Preload force heavy
K _{aE L}	137,14 lbf	Lift-off force light
K _{aE M}	525,18 lbf	Lift-off force medium
K _{aE H}	1.158,049 lbf	Lift-off force heavy
C _{aL}	120 N/µm	Axial rigidity light
C _{aM}	197 N/µm	Axial rigidity medium
CaH	270 N/µm	Axial rigidity heavy