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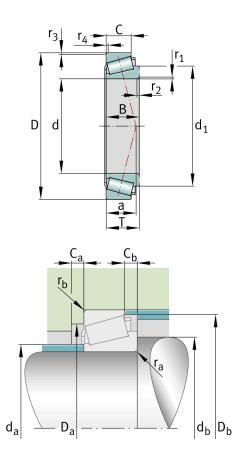
30311-H

Tapered roller bearing

Schaeffler ID: 0957007650000

Tapered roller bearings 303, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

Technical information



Main Dimensions & Performance Data

d	[55] mm	Bore diameter
D	[120] mm	Outside diameter
В	[29] mm	Width, inner ring
С	[25] mm	Width, outer ring
Т	[31,5] mm	Width, total
C _r	[143.000] N	Basic dynamic load rating, radial
C _{0r}	[173.000] N	Basic static load rating, radial
C _{ur}	[21.100] N	Fatigue load limit, radial
n _G	[4.960] 1/min	Limiting speed
n _{ϑr}	[4.400] 1/min	Thermal speed rating
	[1,63] kg	\${Weight}

Mounting dimensions

d _{a max}	[71] mm	Maximum diameter of shaft shoulder
d _{b min}	[65] mm	Minimum diameter of shaft shoulder
D _{a min}	[104] mm	Minimum diameter of housing shoulder
D _{a max}	[110] mm	Maximum diameter of housing shoulder
D _{b min}	[111] mm	Minimum diameter of housing shoulder
C _{a min}	[4] mm	Minimum axial space
C _{b min}	[6,5] mm	Minimum axial space
r _{a max}	[2,5] mm	Maximum fillet radius of shaft
r _{b max}	[2] mm	Maximum fillet radius of housing

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Dimensions

r[2,5] mmMinimum chamfer dimension of inner ring facer[2] mmMinimum chamfer dimension of outer ring facea[25] mmDistance between the apexes of the press conesd[25] mmGuidance rib diameter of inner ringd[86,8] mmGuidance rib diameter of inner ringTemperature regeT[-30] °COperating temperature min.TTmax[120] °COperating temperature max.e[0,35]Limiting value of Fa/Fr for the applicability	bac
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T max [120] °C Operating temperature max. Calculation factors	
Calculation factors	
e [0,35] Limiting value of Fa/Fr for the applicability	
	of
diff. Values of factors X and Y	
Y [1,74] Dynamic axial load factor	
Y ₀ [0,96] Static axial load factor	
Additional information	
[T2FB055] Comparative designation to ISO 10317 ar	
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