

FAG

★ 32218-XL

Tapered roller bearing

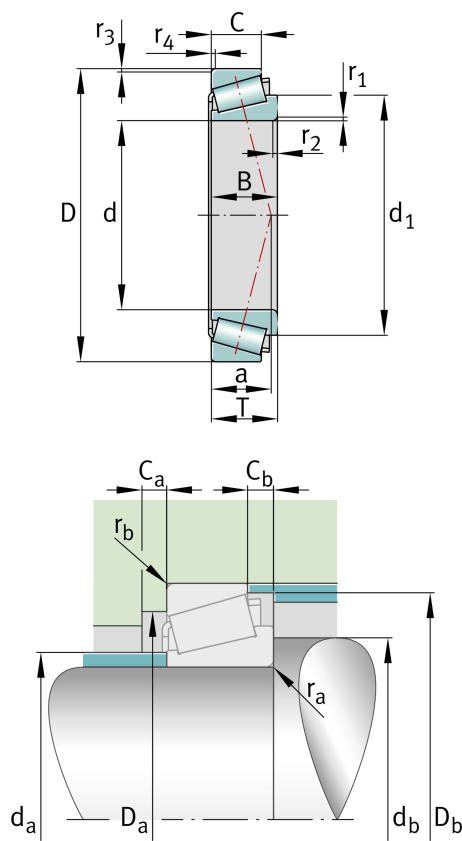
Schaeffler ID:
0783332020000

★ Preferred product

Tapered roller bearings 322, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

X-life

Technical information



Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.
	3,474 kg	Weight

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	40 mm	Width, inner ring
C	34 mm	Width, outer ring
T	42,5 mm	Width, total
C _r	310.000 N	Basic dynamic load rating, radial
C _{0r}	360.000 N	Basic static load rating, radial
C _{ur}	56.000 N	Fatigue load limit, radial
n _G	4.800 1/min	Limiting speed
n _{gr}	2.850 1/min	Thermal speed rating

Dimensions

r _{1, 2 min}	2,5 mm	Minimum chamfer dimension of inner ring back face
r _{3, 4 min}	2 mm	Minimum chamfer dimension of outer ring back face
a	36 mm	Distance between the apexes of the pressure cones
d ₁	122,1 mm	Guidance rib diameter of inner ring

Mounting dimensions

d _{a max}	102 mm	Maximum diameter of shaft shoulder
d _{b min}	100 mm	Minimum diameter of shaft shoulder
D _{a min}	138 mm	Minimum diameter of housing shoulder
D _{a max}	150 mm	Maximum diameter of housing shoulder
D _{b min}	152 mm	Minimum diameter of housing shoulder
C _{a min}	5 mm	Minimum axial space
C _{b min}	8,5 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

Calculation factors

	T3FC090	Comparative designation to ISO 10317 and ISO 355
e	0,42	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,43	Dynamic axial load factor
Y ₀	0,79	Static axial load factor