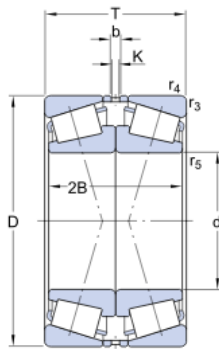




31318/DF Tapered roller bearings, single row, matched face-to-face

Tapered roller bearings, single row, matched face-to-face

Technical specification

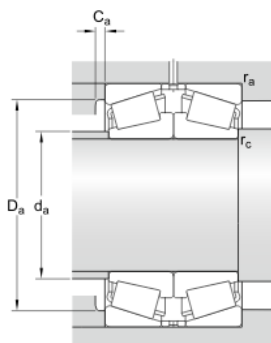


DIMENSIONS

d	90 mm	Bore diameter
D	190 mm	Outside diameter
T	93 mm	Total bearing width
2B	86 mm	Total bearing width over inner rings
b	15 mm	Width annular lubrication groove at spacer ring
K	10 mm	Diameter lubrication hole (spacer ring)
r _{3,4}	min. 3 mm	Corner radius outer ring
r ₅	min. 1 mm	Chamfer dimension on the small side face of the inner ring

ABUTMENT DIMENSIONS

d _a	max. 110 mm	Abutment diameter shaft
D _a	min. 151 mm	Abutment diameter housing
D _a	max. 177.5 mm	Abutment diameter housing
C _a	min. 5 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
r _a	max. 4 mm	Fillet radius



r_c max. 1 mm

Fillet radius

CALCULATION DATA

C	486 kN	Basic dynamic load rating
C_0	630 kN	Basic static load rating
P_u	71 kN	Fatigue load limit
	1900 r/min	Reference speed
	3400 r/min	Limiting speed
e	0.83	Calculation factor
Y_1	0.81	Calculation factor
Y_2	1.2	Calculation factor
Y_0	0.8	Calculation factor

MASS

	11.4 kg	Mass bearing pair
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