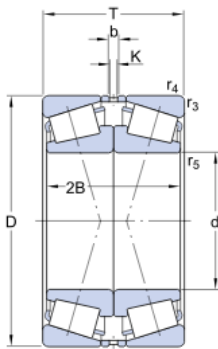




## 31320 X/DF Tapered roller bearings, single row, matched face-to-face

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

### Technical specification

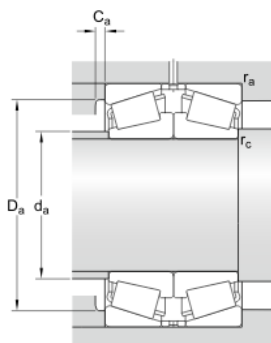


#### DIMENSIONS

d	100 mm	Bore diameter
D	215 mm	Outside diameter
T	113 mm	Total bearing width
2B	102 mm	Total bearing width over inner rings
b	13.15 mm	Width annular lubrication groove at spacer ring
K	10 mm	Diameter lubrication hole (spacer ring)
r <sub>3,4</sub>	min. 3 mm	Corner radius outer ring
r <sub>5</sub>	min. 1 mm	Chamfer dimension on the small side face of the inner ring

#### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 121 mm	Abutment diameter shaft
D <sub>a</sub>	min. 168 mm	Abutment diameter housing
D <sub>a</sub>	max. 202.5 mm	Abutment diameter housing
C <sub>a</sub>	min. 7 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
r <sub>a</sub>	max. 4 mm	Fillet radius



$r_c$  max. 1 mm

Fillet radius

## CALCULATION DATA

C	685 kN	Basic dynamic load rating
$C_0$	930 kN	Basic static load rating
$P_u$	102 kN	Fatigue load limit
	1700 r/min	Reference speed
	3000 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

	18.4 kg	Mass bearing pair
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