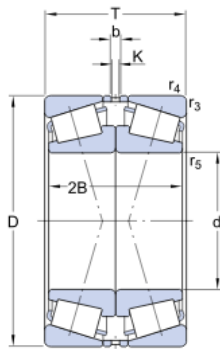




## 31322 X/DF Tapered roller bearings, single row, matched face-to-face

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

### Technical specification

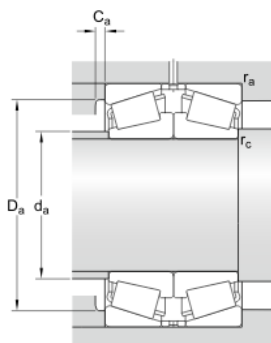


#### DIMENSIONS

d	110 mm	Bore diameter
D	240 mm	Outside diameter
T	126 mm	Total bearing width
2B	114 mm	Total bearing width over inner rings
b	13.09 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. 136 mm	Abutment diameter shaft
D <sub>a</sub>	min. 188 mm	Abutment diameter housing
D <sub>a</sub>	max. 227 mm	Abutment diameter housing
C <sub>a</sub>	min. 8 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	841 kN	Basic dynamic load rating
$C_0$	1160 kN	Basic static load rating
$P_u$	122 kN	Fatigue load limit
	1500 r/min	Reference speed
	2800 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

	25.9 kg	Mass bearing pair
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