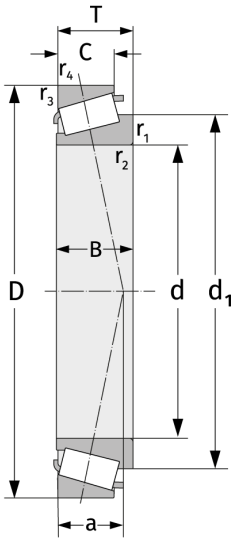
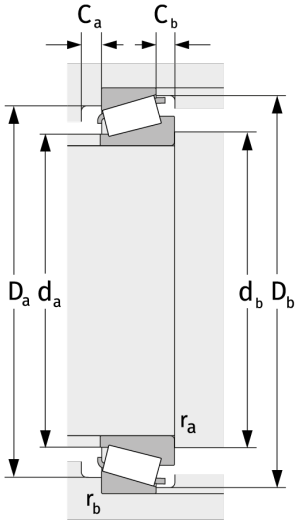
33220

Tapered Roller Bearings (single row, metric)

Details:

Main dimensions			
d [mm]	100	B [mm]	63
D [mm]	180	d_1 [mm]	≈ 139.2
T [mm]	63	$r_{1,2}$ [mm]	3
Weight [kg]	≈ 6.79	$r_{3,4}$ [mm]	2.5
C [mm]	48	a [mm]	≈ 45.6





Mating dimensions		Calculation data	
$d_{a, max}$ [mm]	112	C [kN]	447
$d_{b, min}$ [mm]	112	C_0 [kN]	685
$D_{a, min}$ [mm]	151	C_u [kN]	74
$D_{a, max}$ [mm]	168	n_{th} [min^{-1}]	2604
$D_{b, min}$ [mm]	172	n_g [min^{-1}]	3800
$C_{a, min}$ [mm]	10	e	0,4
$C_{b, min}$ [mm]	15	Y	1,48
$r_{a, max}$ [mm]	3	Y_0	0,82
$r_{b, max}$ [mm]	2.5		