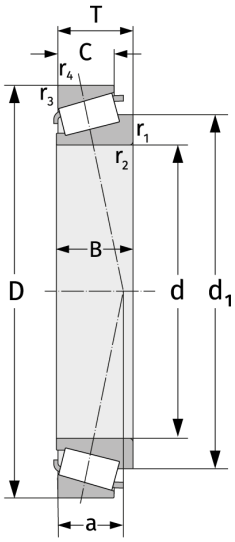
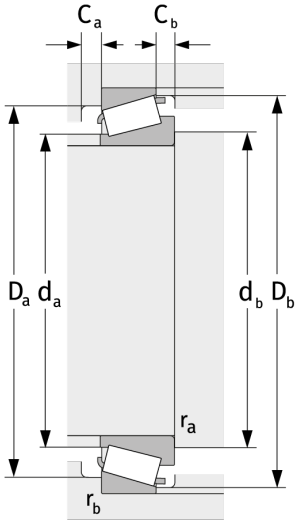
31312

Tapered Roller Bearings (single row, metric)

Details:

Main dimensions			
d [mm]	60	B [mm]	31
D [mm]	130	d_1 [mm]	≈ 95.3
T [mm]	33	$r_{1,2}$ [mm]	3
Weight [kg]	≈ 1	$r_{3,4}$ [mm]	2.5
C [mm]	22	a [mm]	≈ 41.1





Mating dimensions	
$d_{a,\,max}$ [mm]	73
$d_{b,\,min}$ [mm]	72
$D_{a,\,min}$ [mm]	103
$D_{a,\,max}$ [mm]	118
$D_{b,\,min}$ [mm]	123
$C_{a,\,min}$ [mm]	5
$C_{b,\,min}$ [mm]	11.5
$r_{a,\,max}$ [mm]	3
$r_{b,\,max}$ [mm]	2.5

Calculation data	
C [kN]	151
C_0 [kN]	174
C_u [kN]	19.8
n_{th} [min^{-1}]	3738
n_g [min^{-1}]	5700
e	0,83
Y	0,73
Y_0	0,4