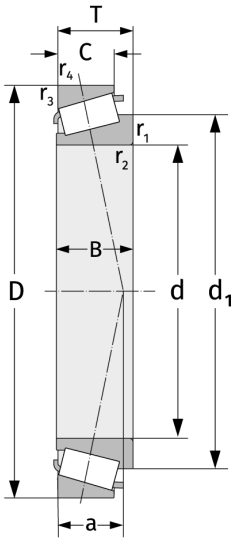
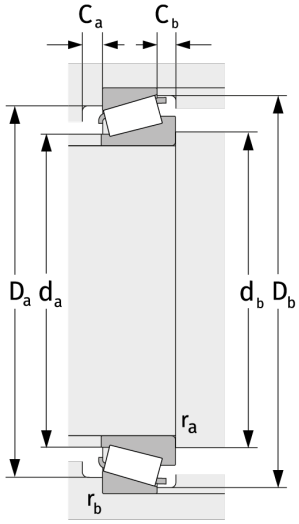
33013

Tapered Roller Bearings (single row, metric)

Details:

Main dimensions			
d [mm]	65	B [mm]	27
D [mm]	100	d_1 [mm]	≈ 84
T [mm]	27	$r_{1,2}$ [mm]	1.5
Weight [kg]	≈ 0.764	$r_{3,4}$ [mm]	1.5
C [mm]	21	a [mm]	≈ 21





Mating dimensions		Calculation data	
$d_{a, max}$ [mm]	72	C [kN]	94.5
$d_{b, min}$ [mm]	72	C_0 [kN]	169
$D_{a, min}$ [mm]	89	C_u [kN]	19.3
$D_{a, max}$ [mm]	93	n_{th} [min^{-1}]	4212
$D_{b, min}$ [mm]	96	n_g [min^{-1}]	6500
$C_{a, min}$ [mm]	5	e	0,35
$C_{b, min}$ [mm]	6	Y	1,72
$r_{a, max}$ [mm]	1.5	Y_0	0,95
$r_{b, max}$ [mm]	1.5		