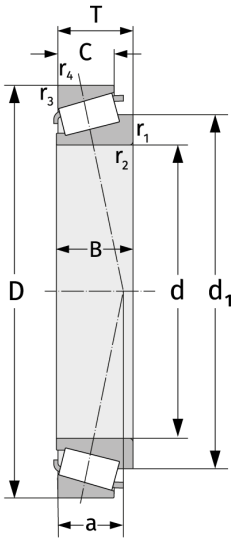
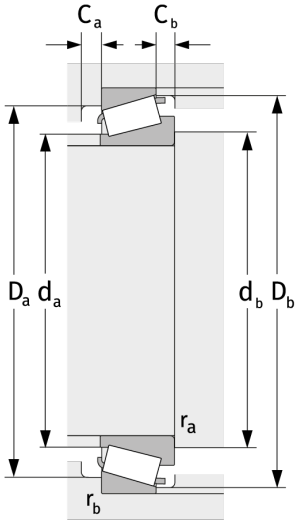
30317

Tapered Roller Bearings (single row, metric)

Details:

Main dimensions			
d [mm]	85	B [mm]	41
D [mm]	180	d_1 [mm]	≈ 127.4
T [mm]	44.5	$r_{1,2}$ [mm]	4
Weight [kg]	≈ 4.91	$r_{3,4}$ [mm]	3
C [mm]	34	a [mm]	≈ 35.7





Mating dimensions		Calculation data	
$d_{a, max}$ [mm]	107	C [kN]	312
$d_{b, min}$ [mm]	99	C_0 [kN]	374
$D_{a, min}$ [mm]	156	C_u [kN]	40.7
$D_{a, max}$ [mm]	166	n_{th} [min^{-1}]	3178
$D_{b, min}$ [mm]	167	n_g [min^{-1}]	4000
$C_{a, min}$ [mm]	6	e	0,35
$C_{b, min}$ [mm]	10.5	Y	1,74
$r_{a, max}$ [mm]	4	Y_0	0,96
$r_{b, max}$ [mm]	3		