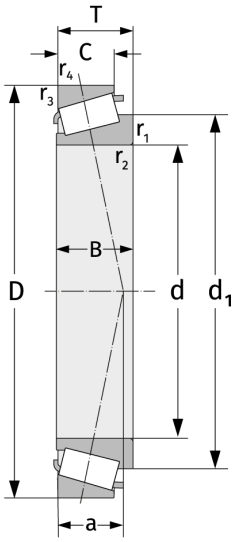
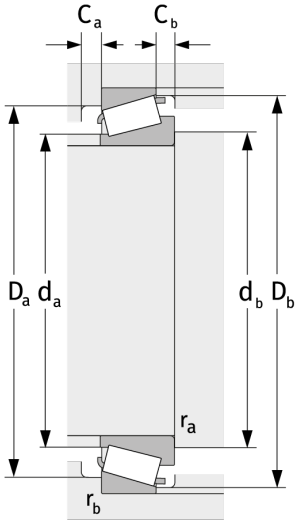
30318

Tapered Roller Bearings (single row, metric)

Details:

Main dimensions			
d [mm]	90	B [mm]	43
D [mm]	190	d_1 [mm]	≈ 134.1
T [mm]	46.5	$r_{1,2}$ [mm]	4
Weight [kg]	≈ 5.65	$r_{3,4}$ [mm]	3
C [mm]	36	a [mm]	≈ 36.7





Mating dimensions		Calculation data	
$d_{a, max}$ [mm]	113	C [kN]	333
$d_{b, min}$ [mm]	104	C_0 [kN]	399
$D_{a, min}$ [mm]	165	C_u [kN]	42.9
$D_{a, max}$ [mm]	176	n_{th} [min^{-1}]	3080
$D_{b, min}$ [mm]	176	n_g [min^{-1}]	3800
$C_{a, min}$ [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		