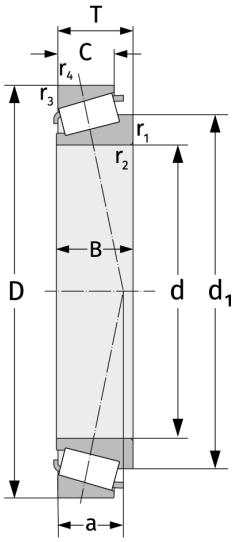
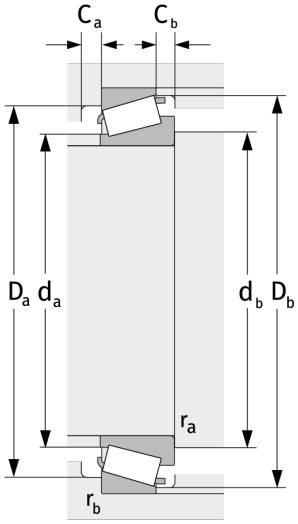
32221

Tapered Roller Bearings (single row, metric)

Details:

Main dimensions			
d [mm]	105	B [mm]	50
D [mm]	190	d_1 [mm]	≈ 144
T [mm]	53	$r_{1,2}$ [mm]	3
Weight [kg]	≈ 6.16	$r_{3,4}$ [mm]	2.5
C [mm]	43	a [mm]	≈ 44.5





Mating dimensions		Calculation data	
$d_{a, max}$ [mm]	120	C [kN]	385
$d_{b, min}$ [mm]	117	C_0 [kN]	555
$D_{a, min}$ [mm]	161	C_u [kN]	59.2
$D_{a, max}$ [mm]	178	n_{th} [min^{-1}]	2489
$D_{b, min}$ [mm]	180	n_g [min^{-1}]	3700
$C_{a, min}$ [mm]	5	e	0,42
$C_{b, min}$ [mm]	10	Y	1,43
$r_{a, max}$ [mm]	3	Y_0	0,79
$r_{b, max}$ [mm]	2.5		