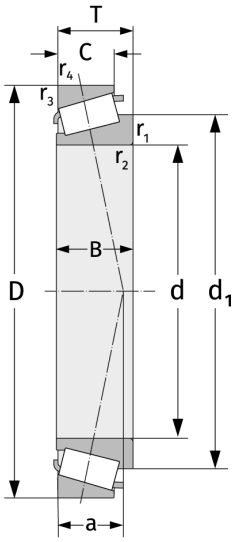
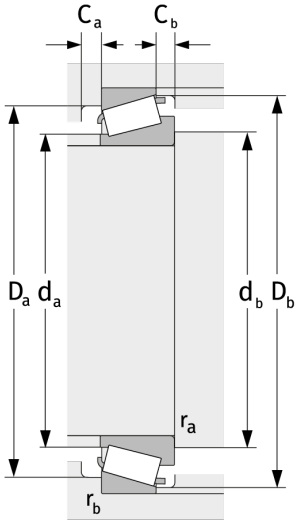
32216

Tapered Roller Bearings (single row, metric)

Details:

Main dimensions			
d [mm]	80	B [mm]	33
D [mm]	140	d_1 [mm]	≈ 106.9
T [mm]	35.25	$r_{1,2}$ [mm]	2.5
Weight [kg]	≈ 2.1	$r_{3,4}$ [mm]	2
C [mm]	28	a [mm]	≈ 31.1





Mating dimensions		Calculation data	
$d_{a, max}$ [mm]	90	C [kN]	200
$d_{b, min}$ [mm]	90	C_0 [kN]	264
$D_{a, min}$ [mm]	122	C_u [kN]	30.2
$D_{a, max}$ [mm]	130	n_{th} [min^{-1}]	3014
$D_{b, min}$ [mm]	134	n_g [min^{-1}]	4900
$C_{a, min}$ [mm]	5	e	0,42
$C_{b, min}$ [mm]	7	Y	1,43
$r_{a, max}$ [mm]	2.5	Y_0	0,79
$r_{b, max}$ [mm]	2		