

NU2916E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	80	D_1 [mm]	≈ 100.3
D [mm]	110	$r_{1,2}$ [mm]	1
B [mm]	19	$r_{3,4}$ [mm]	0.6
Weight [kg]	≈ 0.533	s [mm]	1.4
F [mm]	87.5		



Mating dimensions

$d_{a, \min}$ [mm]	84.6
$d_{a, \max}$ [mm]	85
$d_{b, \min}$ [mm]	90
$D_{a, \max}$ [mm]	105.4
$r_{a, \max}$ [mm]	1
$r_{b, \max}$ [mm]	0.6

Calculation data

C [kN]	70.7
C_0 [kN]	109
C_u [kN]	14.2
n_{th} [min^{-1}]	4385
n_g [min^{-1}]	7700