

NU1816M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	80	D_1 [mm]	≈ 93
D [mm]	100	$r_{1,2}$ [mm]	0.6
B [mm]	10	$r_{3,4}$ [mm]	0.3
Weight [kg]	≈ 0.169	s [mm]	1.5
F [mm]	85		



Mating dimensions

$d_{a, \min}$ [mm]	83.2
$d_{a, \max}$ [mm]	84
$d_{b, \min}$ [mm]	87
$D_{a, \max}$ [mm]	96.8
$r_{a, \max}$ [mm]	0.6
$r_{b, \max}$ [mm]	0.3

Calculation data

C [kN]	22.9
C_0 [kN]	35
C_u [kN]	4.59
n_{th} [min^{-1}]	3909
n_g [min^{-1}]	8200