

NU3914E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	70	D_1 [mm]	≈ 90.3
D [mm]	100	$r_{1,2}$ [mm]	1
B [mm]	23	$r_{3,4}$ [mm]	0.6
Weight [kg]	≈ 0.592	s [mm]	1.4
F [mm]	77.5		



Mating dimensions

$d_{a, \min}$ [mm]	74.6
$d_{a, \max}$ [mm]	76
$d_{b, \min}$ [mm]	80
$D_{a, \max}$ [mm]	95.4
$r_{a, \max}$ [mm]	1
$r_{b, \max}$ [mm]	0.6

Calculation data

C [kN]	82
C_0 [kN]	127
C_u [kN]	16.6
n_{th} [min^{-1}]	4996
n_g [min^{-1}]	8600