

NU2814M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	70	D_1 [mm]	≈ 83
D [mm]	90	$r_{1,2}$ [mm]	0.6
B [mm]	13	$r_{3,4}$ [mm]	0.3
Weight [kg]	≈ 0.204	s [mm]	1.5
F [mm]	75		



Mating dimensions

$d_{a, \min}$ [mm]	73.2
$d_{a, \max}$ [mm]	74
$d_{b, \min}$ [mm]	77
$D_{a, \max}$ [mm]	86.8
$r_{a, \max}$ [mm]	0.6
$r_{b, \max}$ [mm]	0.3

Calculation data

C [kN]	30.1
C_0 [kN]	47.6
C_u [kN]	6.24
n_{th} [min^{-1}]	4773
n_g [min^{-1}]	9200