

NU316E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	80	D_1 [mm]	≈ 141
D [mm]	170	$r_{1,2}$ [mm]	2.1
B [mm]	39	$r_{3,4}$ [mm]	2.1
Weight [kg]	≈ 4.42	s [mm]	2.3
F [mm]	101		



Mating dimensions

$d_{a, \min}$ [mm]	92
$d_{a, \max}$ [mm]	99
$d_{b, \min}$ [mm]	105
$D_{a, \max}$ [mm]	158
$r_{a, \max}$ [mm]	2.1
$r_{b, \max}$ [mm]	2.1

Calculation data

C [kN]	263
C_0 [kN]	292
C_u [kN]	37.1
n_{th} [min^{-1}]	4046
n_g [min^{-1}]	5800