

NU1910E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	50	D_1 [mm]	≈ 64.8
D [mm]	72	$r_{1,2}$ [mm]	0.6
B [mm]	12	$r_{3,4}$ [mm]	0.3
Weight [kg]	≈ 0.152	s [mm]	1.2
F [mm]	56		



Mating dimensions

$d_{a, \min}$ [mm]	53.2
$d_{a, \max}$ [mm]	56
$d_{b, \min}$ [mm]	59
$D_{a, \max}$ [mm]	68.8
$r_{a, \max}$ [mm]	0.6
$r_{b, \max}$ [mm]	0.3

Calculation data

C [kN]	24.4
C_0 [kN]	31
C_u [kN]	4.07
n_{th} [min^{-1}]	6760
n_g [min^{-1}]	12000