

NU1009M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	45	D_1 [mm]	≈ 64.5
D [mm]	75	$r_{1,2}$ [mm]	1
B [mm]	16	$r_{3,4}$ [mm]	0.6
Weight [kg]	≈ 0.269	s [mm]	1.5
F [mm]	52.5		



Mating dimensions

Calculation data

$d_{a, \min}$ [mm]	49.6	C [kN]	33.3
$d_{a, \max}$ [mm]	52	C_0 [kN]	36.8
$d_{b, \min}$ [mm]	54	C_u [kN]	4.83
$D_{a, \max}$ [mm]	70.4	n_{th} [min^{-1}]	8118
$r_{a, \max}$ [mm]	1	n_g [min^{-1}]	13000
$r_{b, \max}$ [mm]	0.6		