

NU1909E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	45	D_1 [mm]	≈ 60.3
D [mm]	68	$r_{1,2}$ [mm]	0.6
B [mm]	12	$r_{3,4}$ [mm]	0.3
Weight [kg]	≈ 0.149	s [mm]	1.2
F [mm]	51.5		



Mating dimensions

Calculation data

$d_{a, \min}$ [mm]	48.2	C [kN]	22.6
$d_{a, \max}$ [mm]	50	C_0 [kN]	27.3
$d_{b, \min}$ [mm]	53	C_u [kN]	3.59
$D_{a, \max}$ [mm]	64.8	n_{th} [min^{-1}]	7441
$r_{a, \max}$ [mm]	0.6	n_g [min^{-1}]	13000
$r_{b, \max}$ [mm]	0.3		