

NU309E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	45	D_1 [mm]	≈ 82.5
D [mm]	100	$r_{1,2}$ [mm]	1.5
B [mm]	25	$r_{3,4}$ [mm]	1.5
Weight [kg]	≈ 0.987	s [mm]	2.9
F [mm]	58.5		



Mating dimensions

Calculation data

$d_{a, \min}$ [mm]	54	C [kN]	99.8
$d_{a, \max}$ [mm]	57	C_0 [kN]	102
$d_{b, \min}$ [mm]	60	C_u [kN]	13.3
$D_{a, \max}$ [mm]	91	n_{th} [min^{-1}]	6506
$r_{a, \max}$ [mm]	1.5	n_g [min^{-1}]	10000
$r_{b, \max}$ [mm]	1.5		