

# NU2809M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

d [mm]	45	$D_1$ [mm]	≈ 53.8
D [mm]	58	$r_{1,2}$ [mm]	0.3
B [mm]	8	$r_{3,4}$ [mm]	0.2
Weight [kg]	≈ 0.053	s [mm]	1
F [mm]	49		



### Mating dimensions

$d_{a, \min}$ [mm]	47
$d_{a, \max}$ [mm]	48
$d_{b, \min}$ [mm]	51
$D_{a, \max}$ [mm]	56
$r_{a, \max}$ [mm]	0.3
$r_{b, \max}$ [mm]	0.2

### Calculation data

C [kN]	10.6
$C_0$ [kN]	15.4
$C_u$ [kN]	2.01
$n_{th}$ [ $\text{min}^{-1}$ ]	6441
$n_g$ [ $\text{min}^{-1}$ ]	15000