

# NU2811M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

d [mm]	55	$D_1$ [mm]	≈ 66.4
D [mm]	72	$r_{1,2}$ [mm]	0.3
B [mm]	11	$r_{3,4}$ [mm]	0.2
Weight [kg]	≈ 0.114	s [mm]	1.5
F [mm]	60		



### Mating dimensions

$d_{a, \min}$ [mm]	57
$d_{a, \max}$ [mm]	59
$d_{b, \min}$ [mm]	62
$D_{a, \max}$ [mm]	70
$r_{a, \max}$ [mm]	0.3
$r_{b, \max}$ [mm]	0.2

### Calculation data

C [kN]	18.1
$C_0$ [kN]	26.8
$C_u$ [kN]	3.51
$n_{th}$ [ $\text{min}^{-1}$ ]	5919
$n_g$ [ $\text{min}^{-1}$ ]	12000