

# NU1809M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

d [mm]	45	$D_1$ [mm]	$\approx 53.8$
D [mm]	58	$r_{1,2}$ [mm]	0.3
B [mm]	7	$r_{3,4}$ [mm]	0.2
Weight [kg]	$\approx 0.046$	s [mm]	1
F [mm]	49		



### Mating dimensions

Mating dimensions		Calculation data	
$d_{a, \min}$ [mm]	47	C [kN]	9.54
$d_{a, \max}$ [mm]	48	$C_0$ [kN]	13.6
$d_{b, \min}$ [mm]	51	$C_u$ [kN]	1.78
$D_{a, \max}$ [mm]	56	$n_{th}$ [ $\text{min}^{-1}$ ]	6237
$r_{a, \max}$ [mm]	0.3	$n_g$ [ $\text{min}^{-1}$ ]	15000
$r_{b, \max}$ [mm]	0.2		