

# NU1817M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

d [mm]	85	$D_1$ [mm]	$\approx 101.9$
D [mm]	110	$r_{1,2}$ [mm]	1
B [mm]	13	$r_{3,4}$ [mm]	0.6
Weight [kg]	$\approx 0.295$	s [mm]	2.1
F [mm]	91.5		



### Mating dimensions

$d_{a, \min}$ [mm]	89.6
$d_{a, \max}$ [mm]	90
$d_{b, \min}$ [mm]	94
$D_{a, \max}$ [mm]	105.4
$r_{a, \max}$ [mm]	1
$r_{b, \max}$ [mm]	0.6

### Calculation data

C [kN]	36.8
$C_0$ [kN]	54.8
$C_u$ [kN]	7.2
$n_{th}$ [ $\text{min}^{-1}$ ]	4051
$n_g$ [ $\text{min}^{-1}$ ]	7500