

# NJ1817M3

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
F [mm]	91.5	s [mm]	2.1
$d_1$ [mm]	$\approx 94.1$		



### Mating dimensions

### Calculation data

$d_{a, \min}$ [mm]	89.6	C [kN]	36.8
$d_{a, \max}$ [mm]	90	$C_0$ [kN]	54.8
$d_{b, \min}$ [mm]	94	$C_u$ [kN]	7.2
$d_{c, \min}$ [mm]	97	$n_{th}$ [ $\text{min}^{-1}$ ]	4051
$D_{a, \max}$ [mm]	105.4	$n_g$ [ $\text{min}^{-1}$ ]	7500
$r_{a, \max}$ [mm]	1		