

# N1816M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

d [mm]	80	d <sub>1</sub> [mm]	≈ 87
D [mm]	100	r <sub>1,2</sub> [mm]	0.6
B [mm]	10	r <sub>3,4</sub> [mm]	0.3
Weight [kg]	≈ 0.168	s [mm]	1.5
E [mm]	95		



### Mating dimensions

d <sub>a,min</sub> [mm]	83.2
D <sub>b,min</sub> [mm]	96
D <sub>c,max</sub> [mm]	93
r <sub>a,max</sub> [mm]	0.6
r <sub>b,max</sub> [mm]	0.3

### Calculation data

C [kN]	22.9
C <sub>0</sub> [kN]	35
C <sub>u</sub> [kN]	4.59
n <sub>th</sub> [min <sup>-1</sup> ]	3909
n <sub>g</sub> [min <sup>-1</sup> ]	8200