

NU1820M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

d [mm]	100	D_1 [mm]	≈ 116.9
D [mm]	125	$r_{1,2}$ [mm]	1
B [mm]	13	$r_{3,4}$ [mm]	0.6
Weight [kg]	≈ 0.34	s [mm]	2.1
F [mm]	106.5		



Mating dimensions

$d_{a, \min}$ [mm]	104.6
$d_{a, \max}$ [mm]	105
$d_{b, \min}$ [mm]	109
$D_{a, \max}$ [mm]	120.4
$r_{a, \max}$ [mm]	1
$r_{b, \max}$ [mm]	0.6

Calculation data

C [kN]	39.4
C_0 [kN]	63
C_u [kN]	8.28
n_{th} [min^{-1}]	3425
n_g [min^{-1}]	6500