

# 70816MP

Angular Contact Ball Bearings (single row, metric)



## Details:

### Main dimensions

d [mm]	80	$D_1$ [mm]	$\approx 93.3$
D [mm]	100	$r_{1,2}$ [mm]	0.3
B [mm]	8	$r_{3,4}$ [mm]	0.15
Weight [kg]	$\approx 0.136$	$\alpha_0$ [°]	30
$d_1$ [mm]	$\approx 87.1$	a [mm]	$\approx 30$



Mating dimensions		Calculation data	
$d_{a, \min}$ [mm]	82	C [kN]	13.1
$D_{a, \max}$ [mm]	98	$C_0$ [kN]	15.2
$D_{b, \max}$ [mm]	99.2	$C_u$ [kN]	0.62
$r_{a, \max}$ [mm]	0.3	$n_{th}$ [ $\text{min}^{-1}$ ]	3434
$r_{b, \max}$ [mm]	0.15	$n_g$ [ $\text{min}^{-1}$ ]	7600