

# 70819MP

Angular Contact Ball Bearings (single row, metric)



## Details:

### Main dimensions

d [mm]	95	$D_1$ [mm]	$\approx 111.3$
D [mm]	120	$r_{1,2}$ [mm]	0.3
B [mm]	9	$r_{3,4}$ [mm]	0.15
Weight [kg]	$\approx 0.237$	$\alpha_0$ [°]	30
$d_1$ [mm]	$\approx 104.2$	a [mm]	$\approx 36$



Mating dimensions		Calculation data	
$d_{a, \min}$ [mm]	97	C [kN]	17.6
$D_{a, \max}$ [mm]	118	$C_0$ [kN]	22
$D_{b, \max}$ [mm]	119.2	$C_u$ [kN]	1.09
$r_{a, \max}$ [mm]	0.3	$n_{th}$ [ $\text{min}^{-1}$ ]	2949
$r_{b, \max}$ [mm]	0.15	$n_g$ [ $\text{min}^{-1}$ ]	6400