

# 709/850MP

Angular Contact Ball Bearings (single row, metric)



## Details:

### Main dimensions

d [mm]	850	$D_1$ [mm]	≈
D [mm]	1120		1025.1
B [mm]	85	$r_{1,2}$ [mm]	6
Weight [kg]	≈ 232	$r_{3,4}$ [mm]	3
$d_1$ [mm]	≈ 950.7	$\alpha_0$ [°]	30
		a [mm]	≈ 327



Mating dimensions		Calculation data	
$d_{a, \min}$ [mm]	873	C [kN]	870
$D_{a, \max}$ [mm]	1097	$C_0$ [kN]	2510
$D_{b, \max}$ [mm]	1107.6	$C_u$ [kN]	38.9
$r_{a, \max}$ [mm]	5	$n_{th}$ [ $\text{min}^{-1}$ ]	361
$r_{b, \max}$ [mm]	2.5	$n_g$ [ $\text{min}^{-1}$ ]	510