

# Q3/500MPB

Four Point Contact Ball Bearings (metric)



## Details:

### Main dimensions

d [mm]	500	$D_1$ [mm]	$\approx 830.8$
D [mm]	1030	$r_{1,2}$ [mm]	12
B [mm]	170	$\alpha_0$ [°]	23
Weight [kg]	$\approx 787$	a [mm]	$\approx 325$
$d_1$ [mm]	$\approx 699.2$		



### Mating dimensions

$d_{a, \min}$ [mm]	548
$D_{a, \max}$ [mm]	982
$r_{a, \max}$ [mm]	10

### Calculation data

C [kN]	2590
$C_0$ [kN]	7500
$C_u$ [kN]	137
$n_{th}$ [min <sup>-1</sup> ]	344
$n_g$ [min <sup>-1</sup> ]	910