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# Angular Contact Ball Bearings

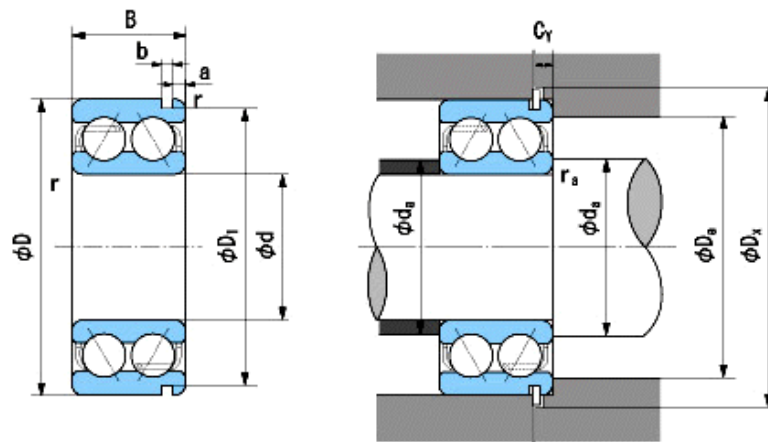
Bearing No. : **NACHI 5209N**

**Bearing Type** 
**Clearance** 
**Tolerance Class**

(0.006~0.023)

Dimensions

$d = 45$  0  
 -0.012  
 $D = 85$  0  
 -0.015  
 $B = 30.2$  0  
 -0.120  
 $r = 1.1 \sim 2$   
 (Radial Direction)  
 $r = 1.1 \sim 3.5$   
 (Axial Direction)  
 $D1(\max) = 81.81$   
 $a(\max) = 3.28$   
 $a(\max) = 1.9$



Dimensions  
 $da(\min) = 52$   
 $Da(\max) = 78$   
 $ra(\max) = 1$   
 $Dx(\min) = 93$   
 $Cy(\max) = 4.7$   
 Mass = 0.62 kg

Basic Dynamic Load Rating  $C_r$  : **51,000** N  
 Basic Static Load Rating  $C_o$  : **39,000** N  
 Limiting Speed ;  
 Grease Lubrication : **5,500**  $\text{min}^{-1}$   
 Oil Lubrication : **7,500**  $\text{min}^{-1}$

	INNER RING	OUTER RING
O.D.Surface Runout with Side :		-
Axial Runout with Bore :	-	-
Axial Runout with Raceway :	-	-
Width Variation :	<b>0.020</b>	<b>0.020</b>
Radial Runout :	<b>0.015</b>	<b>0.035</b>