

PRECISION ANGULAR CONTACT BALL BEARINGS

TYPE 7003CTA/HQ1P4S HCB7003 C T P4S UL  
PRECISION P4S  
CERAMIC BALL



d	17	mm	
D	35	mm	
B	10	mm	
c	8.5	mm	
Da	31	mm	Tolerance: H12
da	21	mm	Tolerance: h12
r <sub>min</sub>	0.4	mm	
r1 <sub>min</sub>	0.3	mm	
ra <sub>max</sub>	0.3	mm	
ra1 <sub>max</sub>	0.1	mm	
α	15°		Contact angle
m	0.033	kg	Mass
Cr	6970	N	Basic dynamic load rating, radial
Cor	2890	N	Basic static load rating, radial
Fv <sub>L</sub>	29	N	Preload force
Fv <sub>M</sub>	69	N	Preload force
Fv <sub>H</sub>	150	N	Preload force
Ca <sub>L</sub>	21.8	N/um	Axial rigidity
Ca <sub>M</sub>	33	N/um	Axial rigidity
Ca <sub>H</sub>	47.1	N/um	Axial rigidity
Limiting speeds	100000	r/min	Lubrication: oil
	63000	r/min	Lubrication: grease