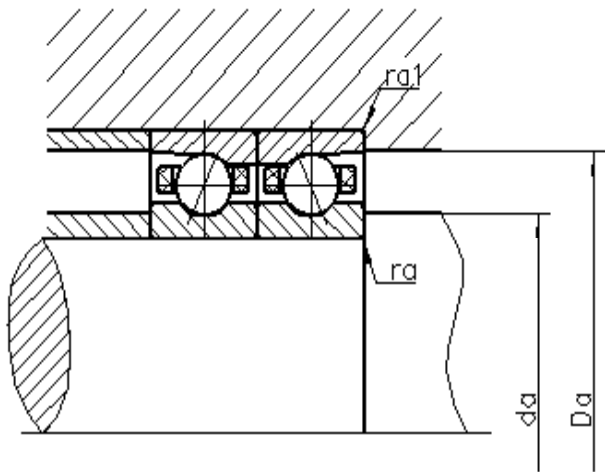
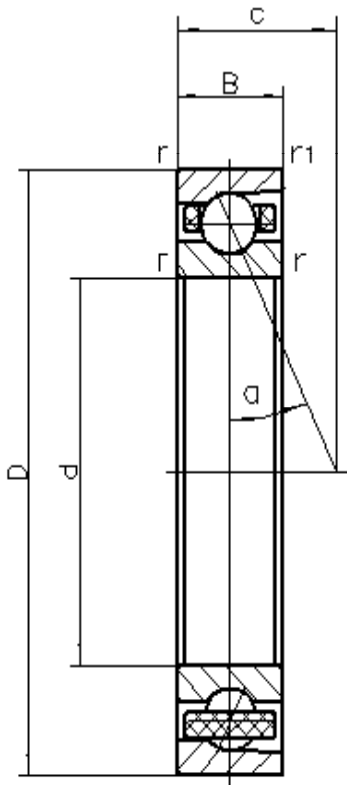


PRECISION ANGULAR CONTACT BALL BEARINGS

TYPE 7003ACTA/HQ1P4S HCB7003 E T P4S UL  
PRECISION P4S  
CERAMIC BALL



d	17	mm	
D	35	mm	
B	10	mm	
c	11.1	mm	
Da	31	mm	Tolerance: H12
da	21	mm	Tolerance: h12
r <sub>min</sub>	0.4	mm	
r <sub>l min</sub>	0.3	mm	
r <sub>a max</sub>	0.3	mm	
r <sub>al max</sub>	0.1	mm	
α	25°		Contact angle
m	0.033	kg	Mass
Cr	6650	N	Basic dynamic load rating, radial
Cor	2760	N	Basic static load rating, radial
Fv <sub>L</sub>	49	N	Preload force
Fv <sub>M</sub>	120	N	Preload force
Fv <sub>H</sub>	250	N	Preload force
Ca <sub>L</sub>	56.6	N/um	Axial rigidity
Ca <sub>M</sub>	79.9	N/um	Axial rigidity
Ca <sub>H</sub>	106.4	N/um	Axial rigidity
Limiting speeds	90000	r/min	Lubrication: oil
	56000	r/min	Lubrication: grease