

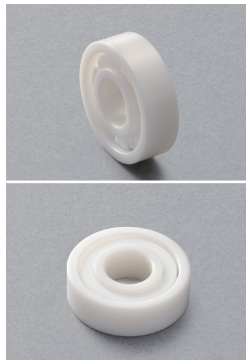
C series

RoHS compliant

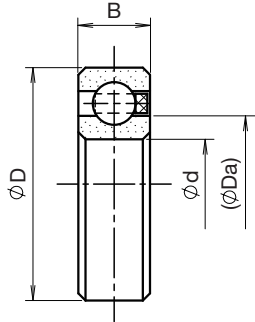
H type

Ceramic bearing (Chemical resistance and non-magnetism and heat resistant) | Flat Inner ring

Model 1 Inner ring



PE-H



Product information

Feature classification

Outer race type

Flat	Convex round	U-groove
V-groove	Concave groove	One-sided flange
Plastic	Stainless steel	Steel
Ceramic	Rubber	

Inner race type

Inner ring	Inner race width wide
Screw shaft	Riveting shaft

Feature

Water resistant	Heat resistant	Chemical resistant
Antistatic	Non magnetic	High speed rotation
High load	Toughness	Low noise

Components of product name

No	Item	Symbol	Meaning
1	Outer race material symbol	C	Ceramic
2	Outer race shape symbol	(R)	Flat *Omitted
3	Retainer or full ball type	Omitted	Retainer (PTFE)
4	Outer race outer diameter	-	(Numerical $\varnothing D$ dimension shown in drawing)
5	Ball material symbol	C	Ceramic ball
6	Inner race shape symbol	H	Inner ring
7	Inner race material symbol	C	Ceramic
8	Bore and clearance dimension for mounting	-	(Numerical $\varnothing d$ dimension shown in drawing)
9	Additional information	(GN)	No grease *omitted

Corrosion resistance of parts

Selection guideline

Material	Silicon nitride Si3N4	Zirconia ZrO2	Polytetrafluoroethylene PTFE
Liquid			
Salt water	◎	◎	◎
Potassium hydroxide	△	△	◎
Sodium hydroxide	△	○	◎
Hydrofluoric acid	△	▲	◎
Phosphoric acid	○	○	◎
Sulfuric acid	○	○	◎
Hydrochloric acid	△	○	◎
Nitric acid	○	○	◎

Explanation of symbols

- ◎ : Not be corroded
- : Almost not be corroded
- △ : Slightly be corroded
- ▲ : May be corroded

Note: Table 1 and 2 are provided for reference purposes only and do not guarantee performance or effectiveness.
Please conduct practical testing in advance to confirm suitability before use.

Lineup

C-H	Inner ring		(mm)					
Model	D ⁰ _{-0.02}	d1 ^{+0.02} ₀	B ⁰ _{-0.1}	Da	Weight (g)	JIS equivalent	Code	Part No.
1	22	10	6 ⁰ _{-0.12}	13.5	-	6900	-	C-22-CHC10
1	26	10	8	14.6	17.6	6000	250414	C-26-CHC10
1	28	12	8	17.4	20.0	6001	250415	C-28-CHC12
1	30	10	9	17.0	29.0	6200	250416	C-30-CHC10
1	32	12	10	18.3	28.5	6201	250405	C-32-CHC12
1		15	9	20.3	17.2	6002	250412	C-32-CHC15
1	35	15	11	21.2	43.1	6202	250406	C-35-CHC15
1		17	10	22.8	35.7	6003	250417	C-35-CHC17
1	40	17	12	24.6	55.4	6203	250418	C-40-CHC17
1	42	20	12	26.9	47.6	6004	250404	C-42-CHC20
1		30	7	33.2	18.1	6806	250402	C-42-CHC30
1	47	20	14	29.5	62.3	6204	250411	C-47-CHC20
1		25	12	31.8	85.8	6005	250403	C-47-CHC25
1	52	25	15	34.0	100.3	6205	250407	C-52-CHC25
1	55	30	13	38.4	90.2	6006	250401	C-55-CHC30
1	62	30	16	40.8	179.1	6206	250419	C-62-CHC30
1		35	14	43.3	145.3	6007	250420	C-62-CHC35
1	68	40	15	48.8	150.5	6008	250400	C-68-CHC40
1	72	35	17	46.8	224.4	6207	250408	C-72-CHC35
1	80	40	18	52.6	312.2	6208	250413	C-80-CHC40
1	85 ⁰ _{-0.03}	45 ^{+0.03} ₀	19	58.2	200.0	6209	250410	C-85-CHC45

*JIS notation is equivalent to JIS B 1512 (Rolling bearings - main dimension) and JIS B 1513 (Nominal numbers of rolling bearings), and this product does not conform to JIS standards.

*All products are made-to-order only, but some may be in stock. Please contact your local distributor or trading company in case of urgent need.

Materials by component

Outer race material	Inner race material	Retainer material	Ball material	Code	Part No.
ZrO2	ZrO2	PTFE	ZrO2	-	C-22-CHC10
ZrO2	ZrO2	PTFE	ZrO2	250414	C-26-CHC10
ZrO2	ZrO2	PTFE	ZrO2	250415	C-28-CHC12
ZrO2	ZrO2	PTFE	ZrO2	250416	C-30-CHC10
ZrO2	ZrO2	PTFE	ZrO2	250405	C-32-CHC12
ZrO2	ZrO2	PTFE	ZrO2	250412	C-32-CHC15
ZrO2	ZrO2	PTFE	ZrO2	250406	C-35-CHC15
ZrO2	ZrO2	PTFE	ZrO2	250417	C-35-CHC17
ZrO2	ZrO2	PTFE	ZrO2	250418	C-40-CHC17
ZrO2	ZrO2	PTFE	ZrO2	250404	C-42-CHC20
ZrO2	ZrO2	PTFE	ZrO2	250402	C-42-CHC30
ZrO2	ZrO2	PTFE	ZrO2	250411	C-47-CHC20
ZrO2	ZrO2	PTFE	ZrO2	250403	C-47-CHC25
ZrO2	ZrO2	PTFE	ZrO2	250407	C-52-CHC25
ZrO2	ZrO2	PTFE	ZrO2	250401	C-55-CHC30
ZrO2	ZrO2	PTFE	ZrO2	250419	C-62-CHC30
ZrO2	ZrO2	PTFE	ZrO2	250420	C-62-CHC35
ZrO2	ZrO2	PTFE	ZrO2	250400	C-68-CHC40
ZrO2	ZrO2	PTFE	ZrO2	250408	C-72-CHC35
ZrO2	ZrO2	PTFE	ZrO2	250413	C-80-CHC40
ZrO2	ZrO2	PTFE	ZrO2	250410	C-85-CHC45