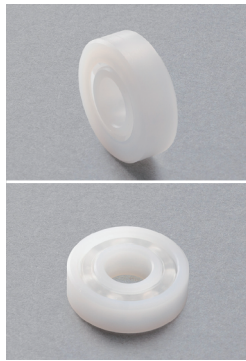
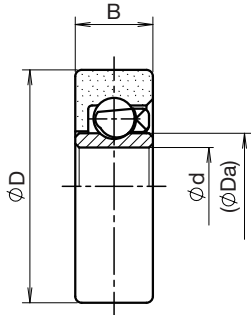


Model 1

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

Chemical resistance of plastic

Table 1: Acid and alkali resistance of plastics

	Polyacetal (POM)	Polyamide (PA)	Polyethylene (PE)	Polypropylene (PP)
Liquid ammonia	○	○	○	○
Calcium hydroxide	○	○	○	○
Potassium hydroxide	○	○	○	○
Sodium hydroxide	30%30°C	x	○	○
	30%RT	○	○	○
	10%RT	△	○	○
Oxalic acid	○	○	○	○
Acetic acid	50%RT	△	○	○
	38%RT	x	○	○
Hydrochloric acid	10%RT	○	○	○
	Fuming RT	x	x	x
Nitric acid	61%RT	x	△	△
	10%RT	△	○	○
	Fuming RT	x	x	△
Sulfuric acid	98%RT	x	△	△
	10%RT	△	○	○
Chromic acid	25%RT	x	○	△

Table 2: Solvent, oil, gas, and seawater resistance of plastics

	Polyacetal (POM)	Polyamide (PA)	Polyethylene (PE)	Polypropylene (PP)
Seawater	○	*	○	○
Sulfurous acid gas	○	○	○	○
Carbon dioxide gas	○	○	○	○
Ammonia	○	○	○	○
Petroleum	○	○	○	○
Benzene	△	○	△	△
Formaldehyde	○	△	○	○
Ethyl alcohol	○	○	○	○
Cresol	○	x	○	○

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

PE-H

Inner ring

(mm)

Model	D ⁰ _{-0.1}	d ^{+0.12} ₀	B ⁰ _{-0.2}	Da	Weight (g)	JIS equivalent	Code	Part No.
1	26 ⁰ _{-0.2}	10	8	14.5	2.8	6000	250100	PE-26-PHP10
1	28 ⁰ _{-0.2}	12	8	17.0	-	6001	-	PE-28-PHP12
1	30	10	9	14.5	4.7	6200	250121	PE-30-PHP10
1	32	12 ^{+0.2} ₀	10	17.0	5.2	6201	250124	PE-32-PHP12
1	32 ⁰ _{-0.2}	15	9	19.8	-	6002	-	PE-32-PHP15
1	35	15 ^{+0.15} ₀	11	21.0	6.1	6202	250127	PE-35-PHP15
1		17	10	21.0	-	6003	250111	PE-35-PHP17
1	40	17	12	21.0	-	6203	250130	PE-40-PHP17
1	42	20	12	27.0	17.8	6004	250140	PE-42-PHP20
1	47	20	14	30.5	17.9	6204	250132	PE-47-PHP20
1	52	20	15	30.2	-	6304	250137	PE-52-PHP20
1	52 ⁰ _{-0.4}	25	15	30.2	-	6205	-	PE-52-PHP25
1	62 ⁰ _{-0.4}	30 ^{+0.15} ₀	16	47.0	-	6206	-	PE-62-PHP30
1		35 ^{+0.15} ₀	14	47.0	-	6007	-	PE-62-PHP35
1	68 ⁰ _{-0.4}	40	15	47.0	-	6008	-	PE-68-PHP40
1	72 ⁰ _{-0.4}	35	17	47.0	-	6207	-	PE-72-PHP35
1	80 ⁰ _{-0.4}	40	18	47.0	-	6208	-	PE-80-PHP40

*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.
PE	PE	PP	PE	250100	PE-26-PHP10
PE	PE	PP	PE	-	PE-28-PHP12
PE	PE	PP	PE	250121	PE-30-PHP10
PE	PE	PP	PE	250124	PE-32-PHP12
PE	PE	PTFE	PE	-	PE-32-PHP15
PE	PE	PP	PE	250127	PE-35-PHP15
PE	PE	PP	PE	250111	PE-35-PHP17
PE	PE	PP	PE	250130	PE-40-PHP17
PE	PE	PP	PE	250140	PE-42-PHP20
PE	PE	PP	PE	250132	PE-47-PHP20
PE	PE	PP	PE	250137	PE-52-PHP20
PE	PE	PP	PE	-	PE-52-PHP25
PE	PE	PE	PE	-	PE-62-PHP30
PE	PE	PE	PE	-	PE-62-PHP35
PE	PE	PE	PE	-	PE-68-PHP40
PE	PE	PE	PE	-	PE-72-PHP35
PE	PE	PE	PE	-	PE-80-PHP40