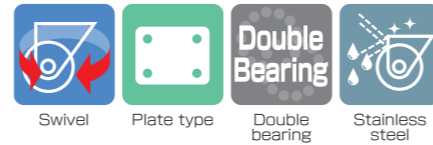
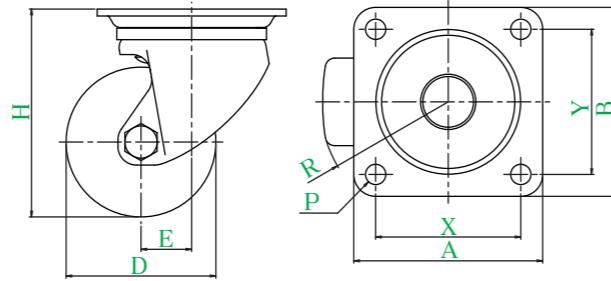


## SUS-HSGTYPE



SUS-HSG-65GFB



● Description of product number  
**SUS-HSG - 65 GFB**  
 Bracket type      Wheel diameter      Wheel type

Bracket = Stainless steel

| Product number | Wheels   | Wheel diameter | Wheel width | Mounting height | Mounting base | Mounting dimensions | Hole diameter | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|--|----------------|-------------|-----------------|---------------|---------------------|---------------|--------------|----------------|----------------|--------------|
|                |  | D(mm)          | W(mm)       | H(mm)           | A × B(mm)     | X × Y(mm)           | P(mm)         | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| SUS-HSG-50     | PB Phenol wheel (including B)                  | 50             | 38          | 79              | 82 × 82       | 63 × 63             | 8.8           | 22           | 49             | 250(255.0)     | 720          |
|                | GFB Reinforced nylon wheel (including B)       |                |             |                 |               |                     |               |              |                | 250(255.0)     | 670          |
|                | MC MC nylon wheel (including B)                |                |             |                 |               |                     |               |              |                | 250(255.0)     | 710          |
|                | MCE MC nylon wheel (including B) (conductive)  |                |             |                 |               |                     |               |              |                | 250(255.0)     |              |
| SUS-HSG-65     | PB Phenol wheel (including B)                  | 65             | 38          | 90              | 82 × 82       | 63 × 63             | 8.8           | 22           | 56             | 250(255.0)     | 805          |
|                | GNB Reinforced nylon wheel (including B)       |                |             |                 |               |                     |               |              |                | 250(255.0)     | 770          |
|                | MC MC nylon wheel (including B)                |                |             |                 |               |                     |               |              |                | 250(255.0)     | 780          |
|                | MCEB MC nylon wheel (including B) (conductive) |                |             |                 |               |                     |               |              |                | 250(255.0)     |              |
| SUS-HSG-75     | PB Phenol wheel (including B)                  | 75             | 38          | 100             | 82 × 82       | 63 × 63             | 8.8           | 22           | 61             | 250(255.0)     | 870          |
|                | GNB Reinforced nylon wheel (including B)       |                |             |                 |               |                     |               |              |                | 250(255.0)     | 815          |
|                | MC MC nylon wheel (including B)                |                |             |                 |               |                     |               |              |                | 250(255.0)     | 840          |
|                | MCEB MC nylon wheel (including B) (conductive) |                |             |                 |               |                     |               |              |                | 250(255.0)     |              |

### Wheel in use

Refer to P164 for detailed specifications.

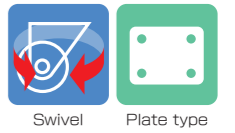


**PB** Phenol wheel (including B)  
**GFB GNB** Reinforced nylon wheel (including B)  
**MC** MC nylon wheel (including B)  
**MCE MCEB** MC nylon wheel (including B) (conductive)

## P TYPE



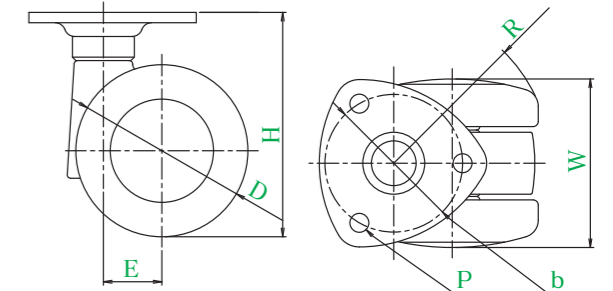
\* Excluding PT



P-50G



P-60G



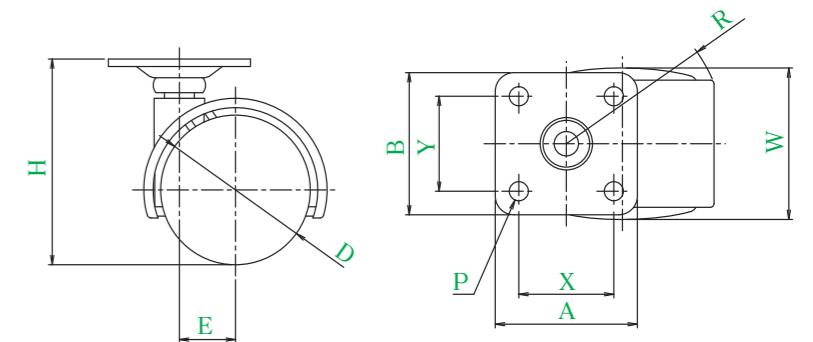
● Description of product number  
**P - 50 G**  
 Body type      Wheel diameter      Intensity type

Body, wheel = Nylon

| Product number | Wheel diameter | Wheel width | Mounting height | Mounting dimensions | Hole diameter | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|-----------------|---------------------|---------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)           | b(mm)               | P(mm)         | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| P-50G          | 50             | 49          | 65              | 40                  | 5.5           | 17           | 46             | 60(61.2)       | 150          |
| P-50HG         | 50             | 49          | 65              | 40                  | 5.5           | 17           | 46             | 100(102.0)     | 155          |
| P-60G          | 60             | 55          | 79              | 40                  | 5.5           | 17           | 55             | 100(102.0)     | 185          |



PT-40G



Body, wheel = Nylon

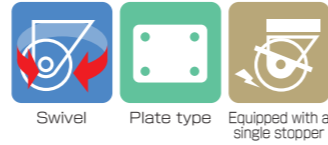
| Product number | Wheel diameter | Wheel width | Mounting height | Mounting base | Mounting dimensions | Hole diameter | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|-----------------|---------------|---------------------|---------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)           | A × B(mm)     | X × Y(mm)           | P(mm)         | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| PT-40G         | 40             | 40.5        | 55              | 38 × 38       | 25.4 × 25.4         | 5.1           | 15           | 43             | 20(20.4)       |              |
| PT-50G         | 50             | 45          | 65              | 38 × 38       | 25.4 × 25.4         | 5.1           | 18           | 51             | 30(30.6)       |              |

# P-S TYPE



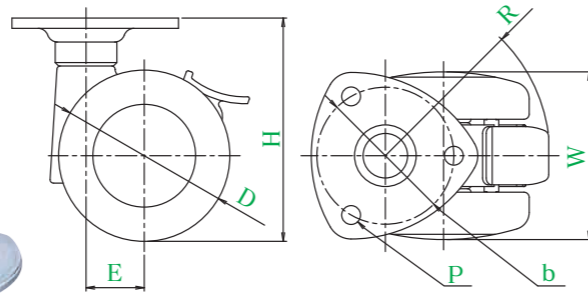
\* Excluding PT

• Equipped with a single stopper



P-50GS

P-60GS



● Description of product number

**P - 50 GS**

Body type  
Wheel diameter  
Intensity type  
Equipped with stopper

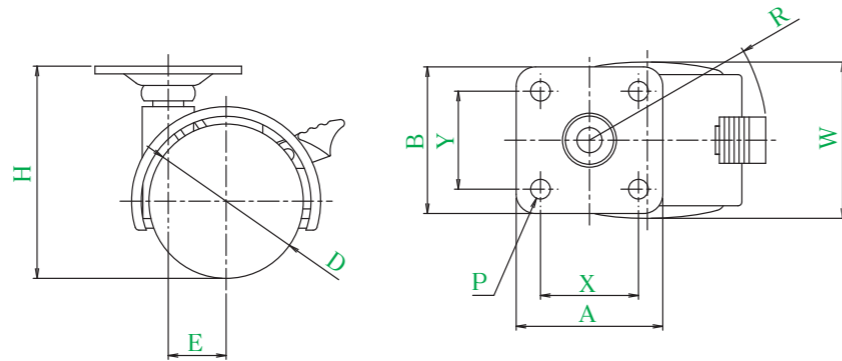
Body, wheel = Nylon

| Product number | Wheel diameter | Wheel width | Mounting height | Mounting dimensions | Hole diameter | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|-----------------|---------------------|---------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)           | b(mm)               | P(mm)         | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| P-50GS         | 50             | 49          | 65              | 40                  | 5.5           | 17           | 48             | 60(61.2)       | 155          |
| P-50HGS        | 50             | 49          | 65              | 40                  | 5.5           | 17           | 48             | 100(102.0)     | 160          |
| P-60GS         | 60             | 55          | 79              | 40                  | 5.5           | 17           | 67             | 100(102.0)     | 195          |

● These casters are used for only locking rotation of the wheel.



PT-40GS



Body, wheel = Nylon

| Product number | Wheel diameter | Wheel width | Mounting height | Mounting base | Mounting dimensions | Hole diameter | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|-----------------|---------------|---------------------|---------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)           | A × B(mm)     | X × Y(mm)           | P(mm)         | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| PT-40GS        | 40             | 40.5        | 55              | 38 × 38       | 25.4 × 25.4         | 5.1           | 15           | 47             | 20(20.4)       |              |
| PT-50GS        | 50             | 45          | 65              | 38 × 38       | 25.4 × 25.4         | 5.1           | 18           | 57             | 30(30.6)       |              |

● These casters are used for only locking rotation of the wheel.

# P TYPE

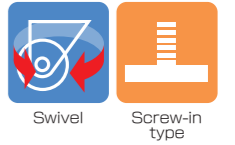
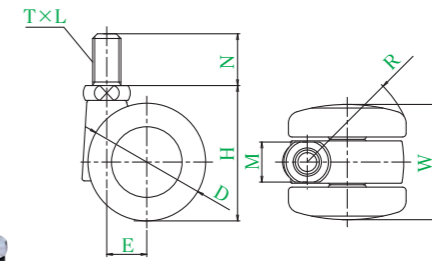


\* Excluding PT



P-50T, M12 × 22

P-60T, M12 × 22



● Description of product number

**P - 50 T, M12 × 22**

Body type  
Wheel diameter  
Screw  
Length

## Specifications of screw-in type

Body, wheel = Nylon

| Product number | Wheel diameter | Wheel width | Mounting height | Screw | Pitch | Length | Opposite side | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|-----------------|-------|-------|--------|---------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)           | T     | L     | N(mm)  | M(mm)         | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| P-50T          | 50             | 49          | 57.5            | M12   | 1.75  | 22     | 17            | 17           | 46             | 60(61.2)       | 125          |
| P-50HT         | 50             | 49          | 57.5            |       |       |        |               |              | 46             | 100(102.0)     | 125          |
| P-60T          | 60             | 55          | 73              |       |       |        |               |              | 55             | 100(102.0)     | 160          |

● Allowable load is the allowable load when the stem is screwed in to the end.

★ Refer to P7 for the mounting method.



PT-50T, M8 × 15

Body, wheel = Nylon

## Specifications of screw-in type

| Product number | Wheel diameter | Wheel width | Mounting height                  | Screw | Pitch and threads per inch | Length | Opposite side | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|----------------------------------|-------|----------------------------|--------|---------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)                            | T     | L                          | N(mm)  | M(mm)         | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| PT-40T         | 40             | 40.5        | M8 = 50<br>M12 = 52<br>W3/8 = 50 | M8    | 1.25                       | 15     | 12.7          | 15           | 43             | 20(20.4)       |              |
| PT-50T         | 50             | 45          | M8 = 60<br>M12 = 62<br>W3/8 = 60 | M12   | 1.25                       | 14     | 19            | 18           | 51             | 30(30.6)       |              |

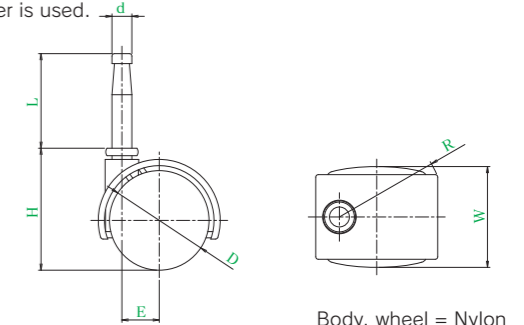
● Allowable load is the allowable load when the stem is screwed in to the end.

● Wheel weight indicates weight of a caster when a screw with the minimum meter is used.

★ Refer to P7 for the mounting method.



PT-40N



Body, wheel = Nylon

## Specifications of insertion type

| Product number | Wheel diameter | Wheel width | Mounting height | Axis diameter | Axis length | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|-----------------|---------------|-------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)           | d(mm)         | L(mm)       | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| PT-40N         | 40             | 40.5        | 49              | 8             | 38          | 15           | 43             | 20(20.4)       |              |
| PT-50N         | 50             | 45          | 60              |               |             | 18           | 51             | 30(30.6)       |              |

● Allowable load is the allowable load when the stem is screwed in to the end.

★ Refer to P7 for the mounting method.

# P-S TYPE



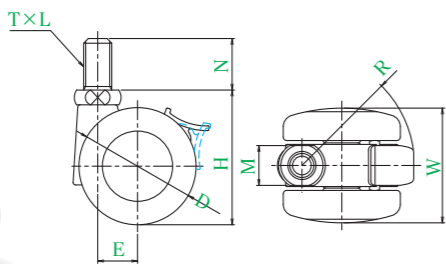
\* Excluding PT



• Equipped with a single stopper



P-50TS, M12×22 P-60TS, M12 x 22



● Description of product number

**P - 60 T S, M12 X 22**

Body type  
Wheel diameter  
Screw  
Equipped with stopper  
T : Screw-in type  
S : Insertion type  
N : Length

## Specifications of screw-in type (equipped with stopper)

Body, wheel = Nylon

| Product number | Wheel diameter | Wheel width | Mounting height | Screw | Pitch | Length | Opposite side | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|-----------------|-------|-------|--------|---------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)           | T     | L     | N(mm)  | M(mm)         | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| P-50TS         | 50             | 49          | 57.5            | M12   | 1.75  | 22     | 17            | 17           | 48             | 60(61.2)       | 130          |
| P-50HTS        | 50             | 49          | 57.5            |       |       |        |               |              | 48             | 100(102.0)     | 130          |
| P-60TS         | 60             | 55          | 73              |       |       |        |               |              | 67             | 100(102.0)     | 170          |

● These casters are used for only locking rotation of the wheel.  
★ Refer to P7 for the mounting method.



P-40TS, W3/8×15

## Specifications of screw-in type (equipped with stopper)

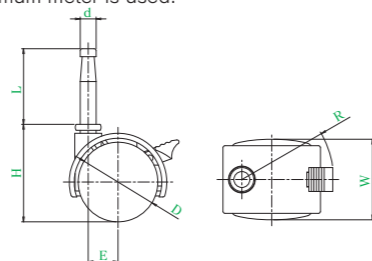
Body, wheel = Nylon

| Product number | Wheel diameter | Wheel width | Mounting height                  | Screw | Pitch and threads per inch | Length | Opposite side | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|----------------------------------|-------|----------------------------|--------|---------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)                            | T     | L                          | N(mm)  | M(mm)         | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| PT-40TS        | 40             | 40.5        | M8 = 50<br>M12 = 52<br>W3/8 = 50 | M8    | 1.25                       | 15     | 12.7          | 15           | 47             | 20(20.4)       | 65           |
| PT-50TS        | 50             | 45          | M8 = 60<br>M12 = 62<br>W3/8 = 60 | M12   | 1.25                       | 14     | 19            | 18           | 57             | 30(30.6)       | 105          |
|                |                |             |                                  | W3/8  | 16 threads                 | 15     | 12.7          |              |                |                |              |

● These casters are used for only locking rotation of the wheel.  
● Wheel weight indicates weight of a caster when a screw with the minimum meter is used.  
★ Refer to P7 for the mounting method.



PT-40NS



## Specifications of insertion type (equipped with stopper)

Body, wheel = Nylon

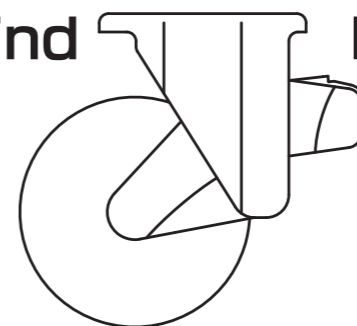
| Product number | Wheel diameter | Wheel width | Mounting height | Axis diameter | Axis length | Eccentricity | Turning radius | Allowance load | Wheel weight |
|----------------|----------------|-------------|-----------------|---------------|-------------|--------------|----------------|----------------|--------------|
|                | D(mm)          | W(mm)       | H(mm)           | d(mm)         | L(mm)       | E(mm)        | R(mm)          | daN(kgf)       | (g)          |
| PT-40NS        | 40             | 40.5        | 49              | 8             | 38          | 15           | 47             | 20(20.4)       | 70           |
| PT-50NS        | 50             | 45          | 60              |               |             | 18           | 57             | 30(30.6)       | 105          |

● These casters are used for only locking rotation of the wheel.

## Front and behind the fixed wheel of SKY caster (φ 200)



Behind Front



Correct traveling direction

\*If the traveling direction of the fixed wheel of a SKY caster is wrong, the caster may be damaged.

## Precautions for using SKY caster φ200

### 1. Precautions for selecting casters

• Please calculate total load to be applied (truck and load) when using four casters with the following formula.

Total load to be applied = Standard load × 4 pieces × Safety factor

\* Safety factor shall be appropriately set according to working conditions and operating speed.

Example: Safety factor is approximately 0.8 to 1.0 when manually operating casters

Example: Safety factor is approximately 0.5 to 1.0 when using casters for towing with power

• Please contact us if loading balance is bad, loading is made at high center of gravity, or casters are used under severe condition, such as climbing a hill or road having many curves.

### 2. Precautions for using casters

• Do not use casters while load exceeds the loading limit (total load to be applied) and standard load for one foot.

• Apply load to each caster equally. Otherwise, the truck may lose its balance.

• Start pushing the truck slowly. Otherwise, the truck may lose its balance.

• This caster is not suitable for transferring high load and load having high center of gravity.

• This caster is not suitable for transferring imbalanced load or de-centered load.

• Do not forcibly move the casters while the stopper is applied. Also, do not leave the casters on a slope.

• Do not move the fixed casters to the opposite direction of the traveling direction (back or side, etc.). Otherwise, fixed casters may break.

• Do not apply impact, such as collision and drop.

• Do not leave casters for a long time while load is applied.

(\* If it is necessary to leave casters for a long time while load is applied, the load shall be as low as possible.)

• Do not apply load exceeding standard load on casters.  
• Travel casters at slower than 10km/h when towing.

### 3. Cautions regarding operating environment

• Casters shall be used in a plant under normal condition.

• Casters shall not be affected by special temperature, chemical substances, extreme water or oil, salt, organic solvent, strong acid and strong alkali, etc.

### 4. Storage method

• Please store casters indoors.

• Do not leave or store casters at a place exposed to water or rain, or at humid place.

• Do not leave or store casters at a place exposed to direct sunlight or radiant heat from a heater, etc.

### 5. Precautions when mounting

• Mount revolving casters in such a manner that the revolving axis is vertical.

• For fixed casters, mount casters in such a manner that casters are straight against the traveling direction and casters are parallel respectively. Do not mount casters in the opposite direction of the traveling direction so as not to damage casters.

• Tighten the mounting screw using appropriate tool after checking appropriate torque based on size and intensity.

• Mount the casters in which whole surface of the mounting base contacts the whole surface of the mounting surface.

• Do not insert anything between the mounting surface and the mounting base.

• Do not mix casters having different height and series.

### 6. Periodic check, maintenance, replacement and periodic inspection

Please carry out periodic check, maintenance, replacement and periodic inspection in order to prevent accident and use casters for a long period of time.

• Check YUEI damper (check with touching and visual check using a mirror, etc.) before using casters and replace the damper if there is a fault.

• Please clean foreign substances (dust, etc.) attached on YUEI damper with air after using casters.

• Check the presence of looseness of the fastening portion at the mounting portion, spindle portion, stopper, bolts and nuts. If there is abnormality, stop using the caster and then replace the caster with a new one.

• If a wheel is worn, replace the wheel with a new one (same type) as appropriate.

• If you find any abnormality, please contact a dealer quickly.

• If there is breakage or rattling on a bracket, please stop using the caster and contact us.

• Do not disassemble any parts other than the wheel portion.

### [Recommended timing of periodic inspection]

- (1) Every year after purchase date
- (2) Every 1,200km of traveling distance after beginning of use

However, if significant amount of foreign substances are attached, loading balance is bad, loading is made at high center of gravity, or casters are used under severe condition, such as climbing a hill or road having many curves, we recommend performing the periodic inspection at a timing earlier than above timings.

\* This product may be changed for improvement without any prior notice.