

Ultimate PU Caster (Industrial)

NEW Perfect Handling Ultimate PU

(Pushable 500 kg load) **φ200** **Turnability**
8 kg
Excellent Light Moving



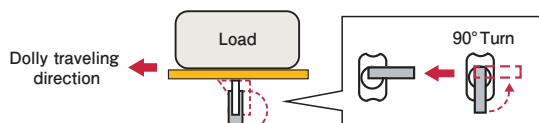
*1 Two swivel casters and two fixed casters are attached to the trolley, is measured.
Test condition: Set the 2 swivel casters in the forward direction at 90 degrees to the direction of travel and pull on a flat concrete finish road to measure the starting force.

Validate start performance of AUU wheel.

1 Turn-ability test

According to turnability test, PMS-150AUU realized under 30% starting load. (Compared with normal industrial caster wheel) With improving the initial operation that feels the heaviest, it also achieves smooth turning performance.

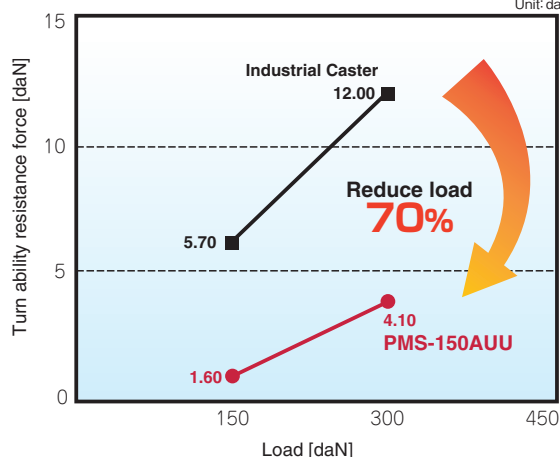
Reduce load
70%
*Compared with equivalent (300daN)



■ Turn ability test result *1 wheel (JIS B 8920 Turn ability test)

| Product Name | load 150 daN | load 300 daN |
|-------------------|--------------|--------------|
| PMS-150AUU | 1.60 | 4.10 |
| Industrial Caster | 5.70 | 12.00 |

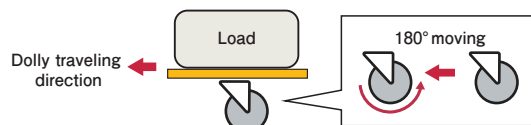
Unit: daN



2 Wheel moving performance test

According to wheel moving test, AUU-150 wheel realizes to start with 25% less power than conventional wheel and smooth wheel moving performance.

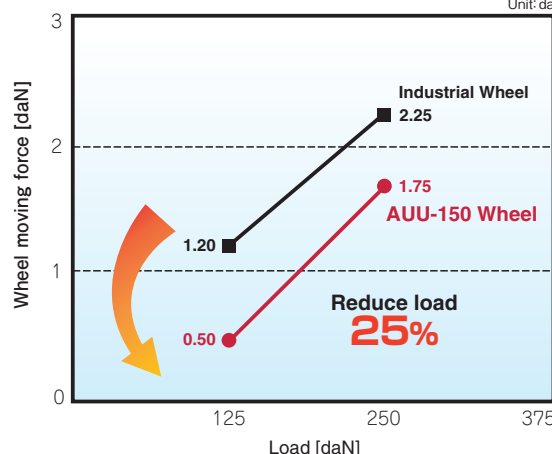
Reduce load
25%
*Compared with equivalent (250daN)



■ Wheel moving test *1 wheel (JIS B 8923 wheel moving performance test)

| Product Name | load 125daN | load 250 daN |
|------------------|-------------|--------------|
| AUU-150 Wheel | 0.50 | 1.75 |
| Industrial Wheel | 1.20 | 2.25 |

Unit: daN



Ultra-High Quality PU Ultimate PU

✓High durability urethane!

Installed high durability urethane, best choice for heavy load.

✓Easy to handle!

Handling performance increased by low frictional resistance wheel shape and excellent material for turning and starting.

Aluminum Die-Casting Core

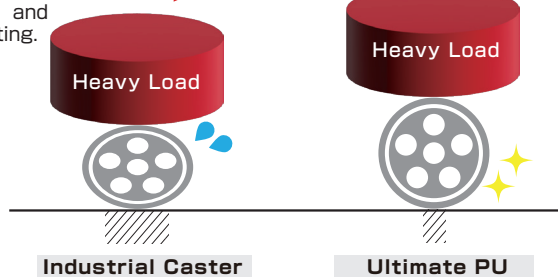
Increased straightness of the wheel by specialized aluminum core.

High Durability Urethane

Specialized urethane realizes hard to warp and narrow contact to the ground.



Handling performance increased



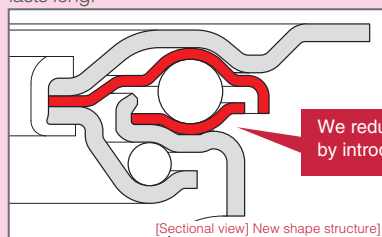
High durability urethane prevents deformation by weight and keeps narrow contact to the ground, it realizes light turning, smooth starting, easy handling.

*The illustration is an image

For Industrial PMS type +1 feature

New designed structure of bearing (turning parts)

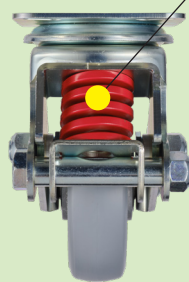
New design of bearing structure improved holding power of steel ball. Aiming to dramatically improve turnability and also reduce rolling contact fatigue life. Steel ball scratching on the raceway isn't happened because turnability is stabilized. As a result, smooth running performance lasts long.



[Sectional view] New shape structure

For towing SKY-2 type +1 feature

Shock Absorbing Spring



By the built-in "Shock Absorbing Spring", load and wearing to wheel is reduced and realized long life. Depending on the usage environment but, the wear is reduced to 50% to 25% compared to the conventional wheel without spring.

3 springs available from usage

Shock absorbing range of spring
Symbol Spring color
-1 Blue 100daN
-2 Red 200daN
-4 Green 400daN


We have 3 springs lineup to deal with various load weight. You are possible to choose suitable spring from your goods weight.

■Description of product number








| | | | | |
|--------------|---|-----------------|-------|---------|
| PMS | - | 150 | AUU | LB(R) |
| Bracket Type | | Wheel Dimension | Wheel | Stopper |

■Description of product number

| | | | | | | |
|--------------|-----------------|-------|---|--------------------|---|-------------|
| SKY- 2S | 150 | AUU | - | A | - | 1 |
| Bracket Type | Wheel Dimension | Wheel | | Mounting Dimension | | Spring Type |

| Product Name (S : Swivel / R : Fixed) | Wheel | Wheel Dimension D(mm) | Wheel Width W(mm) | Mounting Height H(mm) | Mounting Base (mm) | Mounting Dimension X×Y(X'×Y')(mm) | Hole Dimension P(mm) | Offset E(mm) | Turning Radius R(mm) | Load Capacity [daN(kgf)] |
|--|---|--------------------------|----------------------|--------------------------|-----------------------|--------------------------------------|-------------------------|-----------------|-------------------------|-----------------------------|
| PMS-150AUU |  Ultimate PU (Including Bearing) | 150 | 42 | 198 | 120×120 | 94×94 (87×87) | 11 | 40 | 115 | 350(357.0) |
| PMR-150AUU | | | | | 137×93 | 112×50 (100×56) | | — | — | |
| PMS-150AUULB(R) | | | | | 120×120 | 94×94 (87×87) | | 40 | 138 | |
| PMS-200AUU | | 200 | 45 | 250 | 144×144 | 120×120 (105×105) | 11.5 | 56 | 156 | 400(408.0) |
| PMR-200AUU | | | | | 151×102 | 112×63 | | — | — | |
| PMS-200AUULB(R) | | | | | 144×144 | 120×120 (105×105) | | 56 | 156 | |

*Brake type for fixed type is also available. *We can modify brake onto left side, LB(L).

| Product Name (S : Swivel / R : Fixed) | Wheel |  |  |  | Mounting Dimension A | | | Mounting Dimension B | | |  |  |  |
|--|---|---|---|---|-----------------------|--------------------------------------|-------------------------|-----------------------|--------------------------------------|-------------------------|---|---|---|
| | | Wheel Dimension D(mm) | Wheel Width W(mm) | Mounting Height H(mm) | Mounting Base (mm) | Mounting Dimension X×Y(X'×Y')(mm) | Hole Dimension P(mm) | Mounting Base (mm) | Mounting Dimension X×Y(X'×Y')(mm) | Hole Dimension P(mm) | Offset E(mm) | Turning Radius R(mm) | Proper Load [daN(kgf)] 1 : 100daN 2 : 200daN 4 : 400daN |
| SKY-2S150AUU |  Ultimate PU (Including Bearing) | 150 | 42 | 193~183 | 159×114 | 133×86 (125×62) | 13.5 | 120×120 | 94×94 (87×87) | 11 | 50~54 | 126~131 | -1 100(102.0) |
| SKY-2R150AUU | | | | | | | | 137×93 | 112×50 (100×56) | | | | -2 200(204.0) |
| SKY-2S200AUU | | 200 | 45 | 246~236 | | | | 144×144 | 120×120 (105×105) | 11.5 | 65~67 | 166~168 | -1 100(102.0) |
| SKY-2R200AUU | | | | | | | | 180×110 | 112×63 (140×50) | | | | -2 200(204.0) |
| | | | | | | | | | | | | | -4 400(408.0) |

Overseas Sales

YUEI Co.,Ltd.

Zip code:540-0025 2-1-10 Tokui-cho, Chuo-ku, Osakacity, Osaka
TEL: +81-6-4791-3585

You can download the drawing via HP.

www.yueicaster.co.jp/en/



● The content of this flyer is a thing of Sep.2024 current. ● The color of the product may be a little different than real thing.
● Please note that appearance and specification may be changed for improving the product.