

Premium PU Caster (Industrial)

Wow!

Marvelous Turning Performance Premium PU



KAIZEN!

- Efficient transportation.
- Improve workability.

6inch Turnability
※1
(Pushable 1102 lbs load)
by one hand **37lbs**

※1 ■ Two swivel casters and two fixed casters are attached to the trolley, and the maximum pulling force at the time of 1102lbs loading is measured seven times.
The Values from internally test: averaging five data with the maximum and minimum values removed.
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.

PMS Type 2 types available by usage

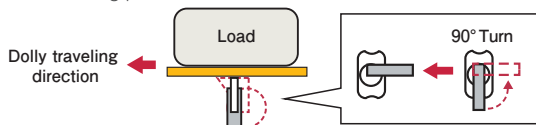
Emphasis on Turnability

PMS-150APU (E46)

1 Turnability test

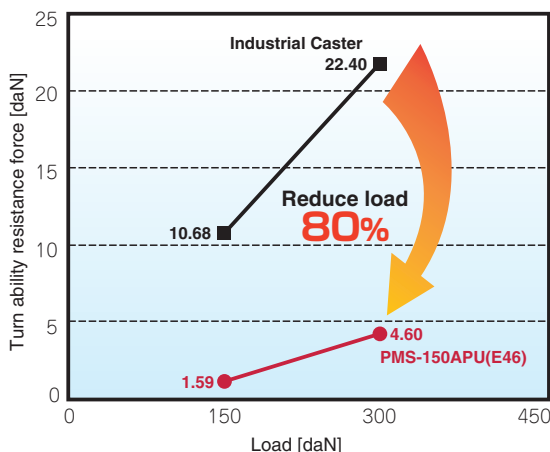
Reduce load
80%
※Compared with
equivalent
(300daN)

According to turnability test, PMS-150APU(E46) realized under 20% starting load. (Compared with normal industrial caster wheel) With improving the initial operation that feels the heaviest, it also achieves smooth turning performance.



■ Turn ability test result (JIS B 8920 Turn ability test) Unit : daN

Product Name	load 150 daN	load 300 daN
PMS-150APU(E46)	1.59	4.60
Industrial Caster	10.68	22.40



Emphasis on Load Capacity

PMS-150APU

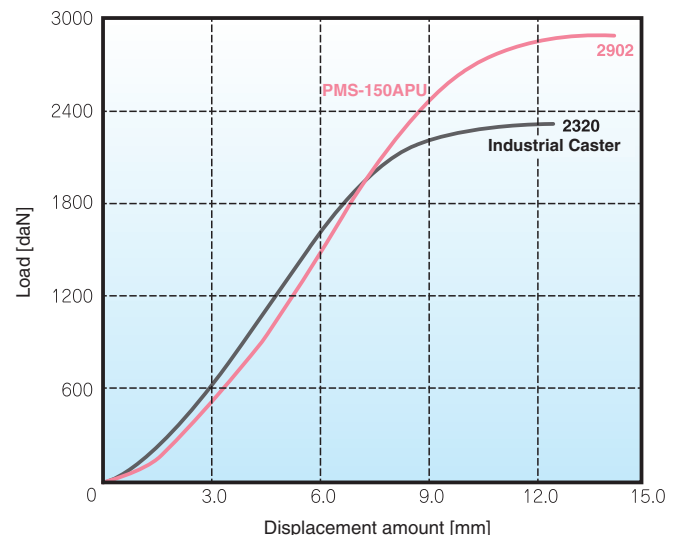
2 Load capacity test

Load capacity
125%UP
(compared with
equivalent)

According to compression test, Maximum load capacity of PMS-150APU is 2,902daN. It has 125% load capacity compared with equivalent (2,320daN). It has ample load capacity performance for heavy loads.

■ Compression test result (Vertical load)

Product Name	Maximum load (daN)	Deformation amount (mm)
PMS-150APU	2902	13.76
Industrial Caster	2320	11.92

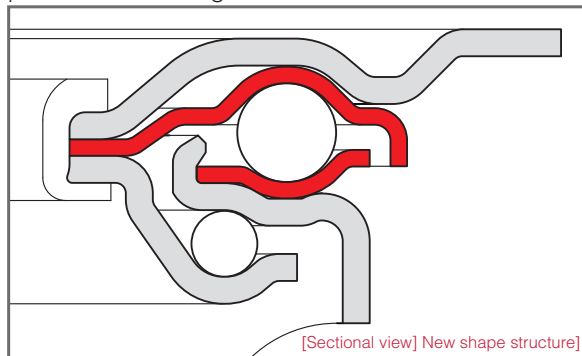


PMS type **+** plus one 1 feature

We reduced shimmy phenomenon by introducing new bearing structure.

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.



Long life 5 times
Compared with conventional product

No problem even if running more than 1,000 km

PMS-150APU

Conventional caster

Running test: turn table running test machine
Load: 190daN
Speed: 10 km/h
Projection: 5mm/1 round

0 200 400 600 800 1000 1200
Running distance (km)

Shimmy phenomenon: the wheel shakes left and right when caster runs. It might cause trouble which turning part is broken due to metal fatigue. PMS type is chosen special steel. New bearing structure keeps steel ball of structure and lateral runoff of the wheel reduced greatly.

PMS running movie scan the QR code



http://www.youtube.com/watch?v=CtBWPRJF_Mg

Premium PU **+** PMS type assists reduction of labor cost and work burden!

Reduce work burden

Reduce running cost

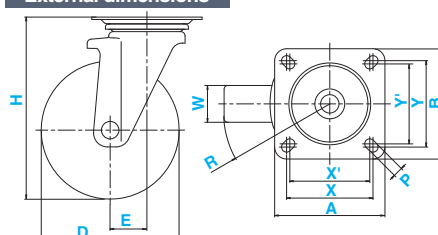
Comfortable by little noise


Pushable 1102lbs trolley by one hand!

Pushable with 37lbs power, you can move heavy trolley easily!



External dimensions



Specification	Product Name	Wheel	Wheel dimension D(inch)	Wheel width W(inch)	Mounting height H(inch)	Mounting base AxB(inch)	Mounting dimension XxY(X'xY') (inch)	Hole dimension P(inch)	Offset E(inch)	Turning radius R(inch)	Allowance load lbs
Swivel	PMS-100APU		4	1.25	5.66	3.74x3.74	2.91x2.91 (2.63x2.63)	0.43	1.25	3.22	405
	PMS-130APU		5	1.37	6.96	4.33x4.33	3.54x3.54 (3.14x3.14)	0.43	1.57	4.13	562
	PMS-150APU		6	1.49	7.79	4.72x4.72	3.70x3.70 (3.42x3.42)	0.43	1.57	4.52	674
	PMS-200APU		8	1.77	9.84	5.66x5.66	4.72x4.72 (4.13x4.13)	0.45	2.20	6.14	899
	PMS-150APU(E46)		6	1.49	7.79	4.72x4.72	3.70x3.70 (3.42x3.42)	0.43	1.81	4.76	674
Fixed	PMR-100APU		4	1.25	5.66	4.52x3.14	3.14x1.77	0.43	—	—	405
	PMR-130APU		5	1.37	6.96	5.39x3.66	3.93x2.20	0.43	—	—	562
	PMR-150APU		6	1.49	7.79	5.39x3.66	4.40x1.96 (3.93x2.20)	0.43	—	—	674
	PMR-200APU		8	1.77	9.84	5.94x4.01	4.40x2.48	0.45	—	—	899
	PMS-130APULB(R)		5	1.37	6.96	4.33x4.33	3.54x3.54 (3.14x3.14)	0.43	1.57	5.43	562
Swivel double stopper	PMS-150APULB(R)		6	1.49	7.79	4.72x4.72	3.70x3.70 (3.42x3.42)	0.43	1.57	5.43	674
	PMS-200APULB(R)		8	1.77	9.84	5.66x5.66	4.72x4.72 (4.13x4.13)	0.45	2.20	6.14	899
	PMS-150APULB(E46)		6	1.49	7.79	4.72x4.72	3.70x3.70 (3.42x3.42)	0.43	1.81	5.35	674
	PMR-130APULB(R)		5	1.37	6.96	5.39x3.66	3.93x2.20	0.43	—	—	562
Fixed single stopper	PMR-150APULB(R)		6	1.49	7.79	5.39x3.66	4.40x1.96 (3.93x2.20)	0.43	—	—	674
	PMR-200APULB(R)		8	1.77	9.84	5.94x4.01	4.40x2.48	0.45	—	—	899

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You can download the drawing via HP. www.yueicaster.co.jp

● The content of this flyer is a thing of Dec-2023 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.