

Premium PU Caster

(Shock absorbing type)

Wow!

Marvelous Turning Performance

Premium PU

KAIZEN!

- Efficient transportation.
- Improve workability.

(Pushable 500 kg load)

by one hand

φ150

Turnability

※1

15kg



※1 ■ Two swivel casters and two fixed casters are attached to the trolley, and the maximum pulling force at the time of 500KG loading is measured seven times.

The Values from internally test: averaging five data with the maximum and minimum values removed.

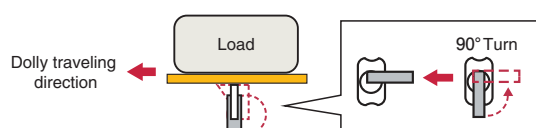
Test condition: Set the 2 swivel casters in the forward direction at 90 degrees to the direction of travel and pull on a flat concrete finish road to measure the starting force.

SKY-2 Type

1 Turnability test

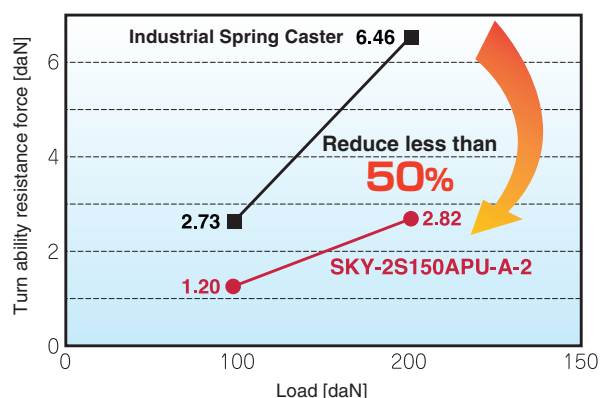
Reduce less than
50%
※ Compared with
equivalent

Premium PU is adopted to SKY-2 type. Low frictional resistance, reduced more than half the burden when caster starts to move. Reduce the burden on workers and it's also effective for improving efficiency. (KAIZEN)



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

Product Name	load 100 daN	load 200 daN
SKY-2S150APU-A-2	1.20	2.82
Industrial Spring Caster	2.73	6.46



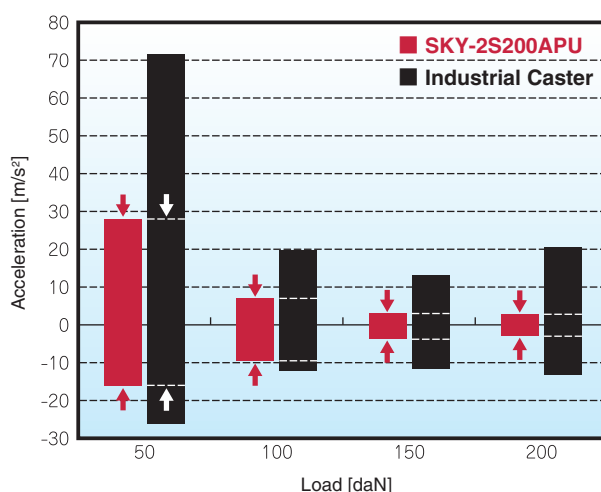
2 Shock absorbing test

Reduced
80%
shock
※ Compared with
equivalent

"Shock absorbing springs" reduce the impact transmitted from uneven road surfaces to approximately 20% of conventional damage to goods.

■ Shock Acceleration test Acceleration : m/s²

Product Name	Load	50daN	100daN	150daN	200daN
SKY-2S200APU	Max(Upward)	27.54	6.75	2.97	2.80
	Min(Downward)	-16.15	-9.63	-3.85	-3.16
Industrial Caster	Max(Upward)	71.83	19.59	12.76	20.51
	Min(Downward)	-25.81	-11.95	-11.77	-13.60

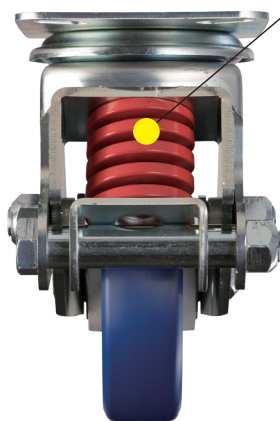
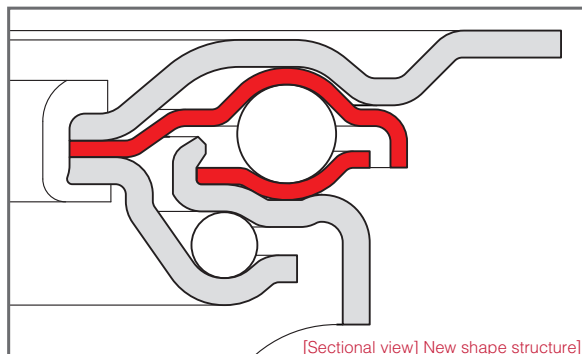


SKY-2 type plus one 1 feature

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.



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.

2 springs available from usage

Shock absorbing range of spring

Symbol	Spring color	
-1	Blue	100daN
-2	Red	200daN

We have 2 springs lineup to deal with various load weight. You are possible to choose suitable spring from your goods weight.

Assists reduction of labor cost and work burden!

Premium PU SKY-2 type

Protect your goods from vibrations and shocks



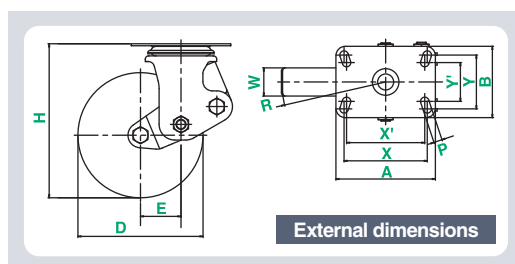
Reduce work burden


Reduce running cost

Comfortable by little noise

Pushable 500kg trolley by one hand!

Pushable with 15kg power, you can move heavy trolley easily!



Specification	Product Name	Wheel	Wheel dimension D(mm)	Wheel width W(mm)	Mounting height H(mm)	Mounting base A×B(mm)	Mounting dimension X×Y(X'×Y') (mm)	Hole dimension P(mm)	Offset E(mm)	Turning radius R(mm)	Standard load daN(kg)
Swivel	SKY-2S150APU-A	 PU (core aluminum)	150	38	193 ~ 183	159×114	133×86 (125×62)	13.5	50 ~ 54	126 ~ 131	-1 100(102.0) -2 200(204.0)
	SKY-2S150APU-B		150	38	193 ~ 183	120×120	94×94 (87×87)	11	50 ~ 54	126 ~ 131	-1 100(102.0) -2 200(204.0)
	SKY-2S200APU-A		200	45	246 ~ 236	159×114	133×86 (125×62)	13.5	65 ~ 67	166 ~ 168	-1 100(102.0) -2 200(204.0)
	SKY-2S200APU-B		200	45	246 ~ 236	144×144	120×120 (105×105)	11.5	65 ~ 67	166 ~ 168	-1 100(102.0) -2 200(204.0)
Fixed	SKY-2R150APU-A		150	38	193 ~ 183	159×114	133×86 (125×62)	13.5	50 ~ 54	—	-1 100(102.0) -2 200(204.0)
	SKY-2R150APU-B		150	38	193 ~ 183	137×93	112×50 (100×56)	11	50 ~ 54	—	-1 100(102.0) -2 200(204.0)
	SKY-2R200APU-A		200	45	246 ~ 236	159×114	133×86 (125×62)	13.5	65 ~ 67	—	-1 100(102.0) -2 200(204.0)
	SKY-2R200APU-B		200	45	246 ~ 236	180×110	112×63 (140×50)	11.5	65 ~ 67	—	-1 100(102.0) -2 200(204.0)

■Description of product number SKY-

2S	150	APU	-	A	-	1
Bracket type	Wheel dimension	Wheel		Mounting dimension		Spring type

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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.