Shock Absorbing Castors I-A —Center coil spring type—

Patent No. 3689482

Traveling speed up to 4km/h **Towing speed up to 10km/h**

RoHS compliant products.

POINT

- SISIKU's unique point - **Box style wheel.**
- Center coil spring type **absorbs shock and vibration from every direction** (PAT. No. 3689482), and **reduces noise** in operation.
- Thanks to shock absorbing function, **impact loading to swivel head and wheel bearings can be lowered, leading to an increased service life of the product.**
- Wheel with grease-packed precision ball bearings.
  – **Smooth and silent rolling** without subsequent lubrication.
- For nonstandard springs, please consult us.

Nonstandard coil springs

USE EXAMPLE

- For precision equipment and carrying parts.
- For automatic guided carts, towing carts and serving carts.

◎We'll accept your custom-order. Please feel free to contact us.
(Use "Specification Form for Custom-designed castor" at the end of this catalog.)
◎Please feel free to ask about the product weight for each item.

Swivel with stopper
SAJB-200W

SAJ Swivel castors — Traveling speed up to 4km/h

SAJ-100
SAJ-150
SAJ-200

• Color/Finish; Zinc plated

SAJB Swivel with stopper — Traveling speed up to 4km/h

SAJB-100
SAJB-150
SAJB-200

SAJ-HO Swivel castors — Towing speed up to 10km/h

SAJ-HO-150 (available with W, UW and SST)
SAJ-HO-200 (available with W, UW and SST)

• Color/Finish; Zinc plated

SAJB-HO Swivel with stopper — Towing speed up to 10km/h

SAJB-HO-150 (available with W, UW and SST)
SAJB-HO-200 (available with W, UW and SST)

SAK Fixed castors — Traveling speed up to 4km/h

SAK-100
SAK-150
SAK-200

• Color/Finish; Zinc plated

SAKB Fixed with stopper — Traveling speed up to 4km/h

SAKB-100
SAKB-150
SAKB-200

SAK-HO Fixed castors — Towing speed up to 10km/h

SAK-HO-150 (available with W, UW and SST)
SAK-HO-200 (available with W, UW and SST)

• Color/Finish; Zinc plated

SAKB-HO Fixed with stopper — Towing speed up to 10km/h

SAKB-HO-150 (available with W, UW and SST)
SAKB-HO-200 (available with W, UW and SST)

WHEELS

JBB ···Radial ball bearing CB ···Pressed bearing

See P.62 to P.71 for detailed description.

→P.70

W (SBR) CB

→P.68

SST (NR) CB JBB*

→P.70

UW (UR) CB

• Runs more lightly compared with W !
• Impact resistance: 1.8 times higher than W. Starting performance: 2.5 times better than W.
* Choose wheel with radial ball bearings when using at high speed over 4km/h.

→P.63

EUW (Antistatic UR) CB

• Volume resistance 10^6～$10^8\Omega$·cm*
*For reference only, not guaranteed.

→P.70

WUW (Antibacterial UR/White) CB

• Antibacterial effect, oil resistance and high elasticity.
• Floor saving and non-marking.

→P.71

→P.64

WW (BR) CB

• Cold resistance (-40℃～+90℃)
• Floor saving and non-marking.

LW (BR) CB

→P.68

SPM (NR/BR) JBB

NB ϕ150 and 200 only available.

SERIES SAJ SERIES SAK

BOX STYLE 強度のボックススタイル

SAJ-HO-200SST

SAK-HO-200SST

SAJ-100UW

Shock Absorbing Castors I-A

Center coil spring type

100mm ～200mm | 10kg ～220kg | 80kg ～250kg | -40℃ ～+90℃

NB For details refer to the table below.

Refer to the page indicated below for other types of shock absorbing castor series.

● Towing speed up to 20km/h
– Advanced coil spring type → P.27
– Double coil spring type → P.31
● Traveling speed up to 4km/h
– Built-in shock absorber type → P.29
– Torsion spring type → P.33

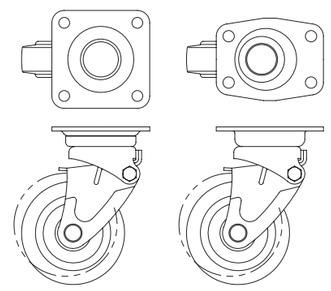
Wheel width (mm)	Hub length (mm)	Total height (mm)	Plate dimensions (mm)	Bolt hole spacing (mm)	Bolt hole diameter (mm)	Axle bore diameter (mm)	Offset (mm)	Spring tension (kg)	Load capacity: WW LW (kg(N))	Load capacity: W SST UW EUW WUW (kg(N))	Load capacity: SPM (kg(N))
35	43	153-145	95×95	71×71	11	12	28.5-35	10～60	80 (780)	100 (980)	———
45	56	210-198	120×120	90×90	11.5	20	35-48	20～110 * / 20～ 80 **	120(1176)	150(1470)	80 (780)
45	56	260-250	140×140	112×112	11.5	20	46.5-58	20～220 * / 20～ 100 **	200(1960)	250(2450)	100 (980)
								*Other than SPM. **SPM 20～200 LW/WW 20～220 W/SST/UW/EUW/WUW 20～100 SPM	———	W UW SST (kg(N))	———
45	56	250-235	140×140	112×112	11.5	20	51-64	20～120	———	150(1470)	———
45	56	275-260	140×140	112×112	11.5	20	51-64	20～180	———	200(1960)	———

Wheel width (mm)	Hub length (mm)	Total height (mm)	Plate dimensions (mm)	Bolt hole spacing (mm)	Bolt hole diameter (mm)	Axle bore diameter (mm)	Offset (mm)	Spring tension (kg)	Load capacity: WW LW (kg(N))	Load capacity: W SST UW EUW WUW (kg(N))	Load capacity: SPM (kg(N))
35	43	153-145	104×80	80×45	11	12	28.5-35	10～60	80 (780)	100 (980)	———
45	56	210-198	126×93	100×56	11.5	20	35-48	20～110 * / 20～ 80 **	120(1176)	150(1470)	80 (780)
45	56	260-250	140×102	112×63	11.5	20	46.5-58	20～220 * / 20～ 100 **	200(1960)	250(2450)	100 (980)
								*Other than SPM. **SPM 20～200 LW/WW 20～220 W/SST/UW/EUW/WUW 20～100 SPM	———	W UW SST (kg(N))	———
45	56	250-235	140×102	112×63	11.5	20	51-64	20～120	———	150(1470)	———
45	56	275-260	140×102	112×63	11.5	20	51-64	20～180	———	200(1960)	———

Reference Number System

SAJ -100 UW
Swivel — ϕ100 — Wheel: UW

SAK -200 W
Fixed — ϕ200 — Wheel: W



SAJ SAK