

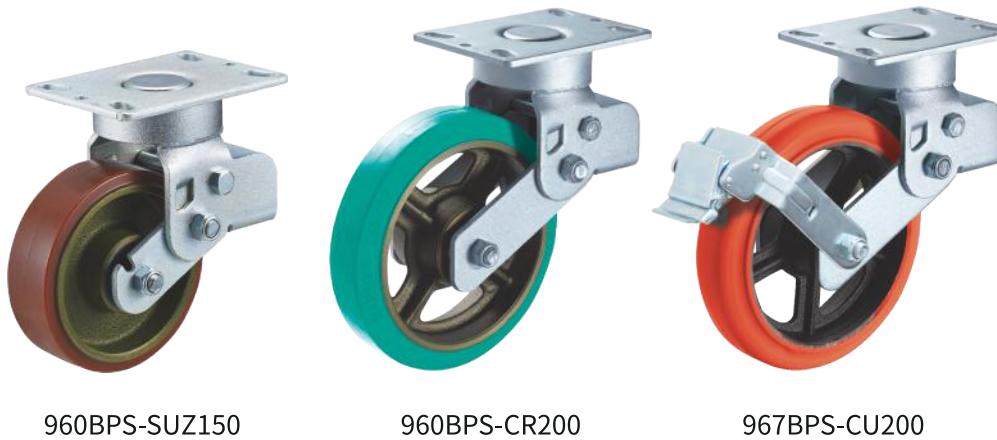


## Dumper rubber and built-in spring buffer impacts

from travelling. Vibration is reduced to 1/10.

■ The excellent buffering effect prevents the goods from falling or being damaged.

### ■ Product Features



#### Buffering Impacts

- The built-in spring and rubber dumper creates the excellent buffering effect.
- The travel vibration is reduced to 1/10 muting the noise.

#### Robust & Durable

- Highly durable due to the very think sheet used for body.
- The swivel section is dust-free with ball bearing installed, which cuts off the running cost.

#### Stable & Smooth

- The ball bearings installed the swivel section and wheel bore help a long-term quality keeping.
- Labour saving by the smooth and stable travelling performance.

#### Flexible Application

- Available in swivel type and fixed type. Fitting pitch has 2 variations on each model.
- The fitting pitch has a range of tolerance for flexible application.

### ■ Installation images

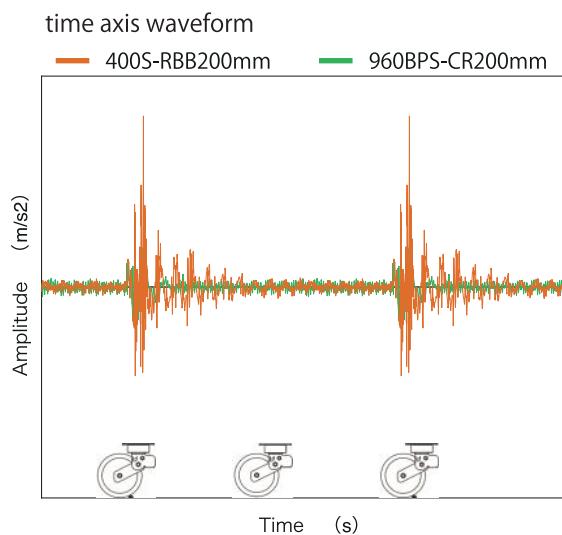
- Used for power traction trucks in automobile manufacturing plants and transport trucks in forkless distribution warehouses.



■ Cushion caster for heavy duties, useful for safety measures and efficiency improvement at the working site.

### ■ Vibration acceleration table

Comparison between cushion caster 960BPS and standard caster 420S.



### ■ Wheels



#### Rubber wheel (CR)

The soft running prevents damage to the floor and reduces noise.

- Being excellent in cushioning properties, prevent contamination of the floor.



#### Urethane wheel (CU)

Light and smooth running reduces the burden on workers.

- Excellent in oil resistance and wear resistance.
- Due to the nature of the material, the cushioning effect may not be obtained sufficiently.



#### Cut-resistant Urethane (SUZ)

Resistant to debris embedding in the wheel tread and offers excellent start-up performance.

- Reduces metal debris embedding to less than 1/5 compared with conventional urethane wheels.
- Low hardness with high resilience enables smooth and light rolling.

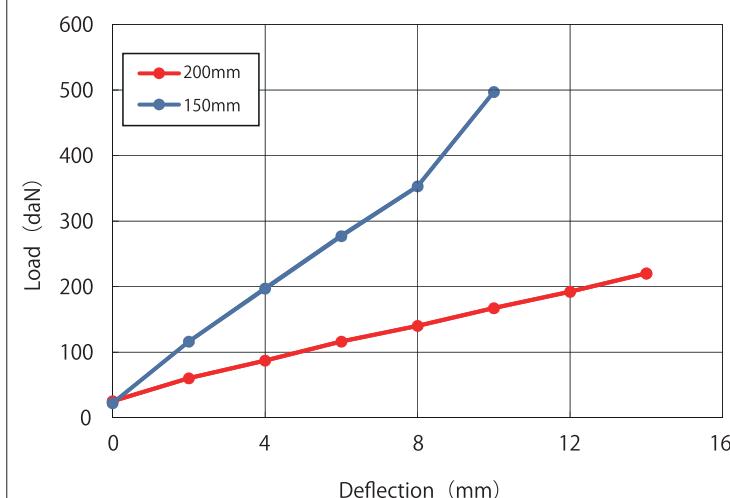


#### Energy-saving Elastomer (HBN)



### ■ Load strain data

Data table showing relationship between load and deflection of cushion casters 960 BPS.



Wheel size	Deflection							
	0mm	2mm	4mm	6mm	8mm	10mm	12mm	14mm
150mm	22	116	197	277	353	497		
200mm	25	60	87	116	140	167	192	220

\*Wheel deflection is not included.