

# Column automatic brake system display

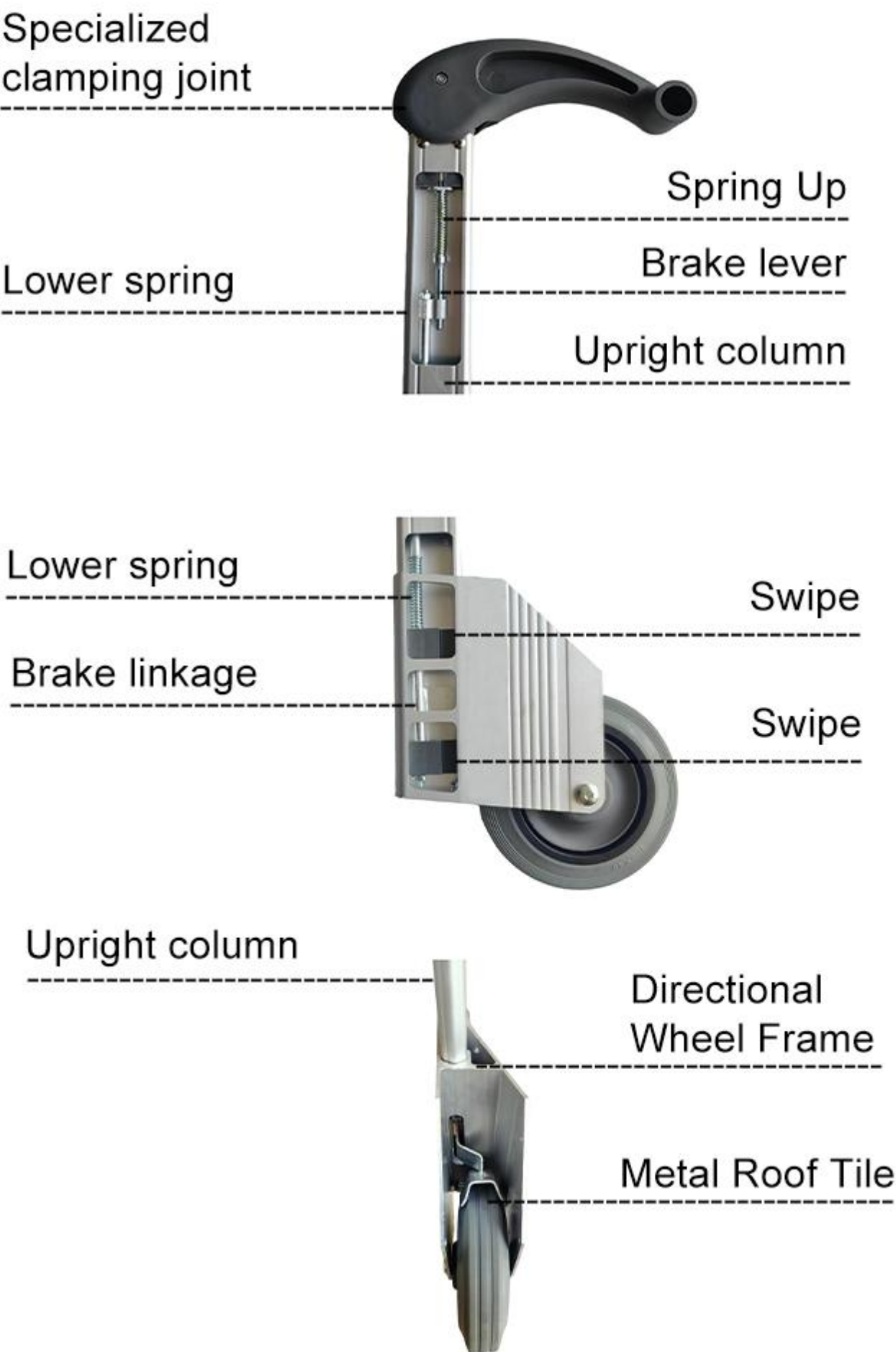
## Product Highlights



### Product Features

#### Rod automatic brake mechanism:

The high-performance rod brake mechanism, paired with custom-made springs made of premium 65Mn carbon structural steel, has passed 120,000 brake durability tests. This ensures strong spring force for luggage trolley handle reset and stable pressure for parking brake.





## Pig-shaped special anti-clamping joint:

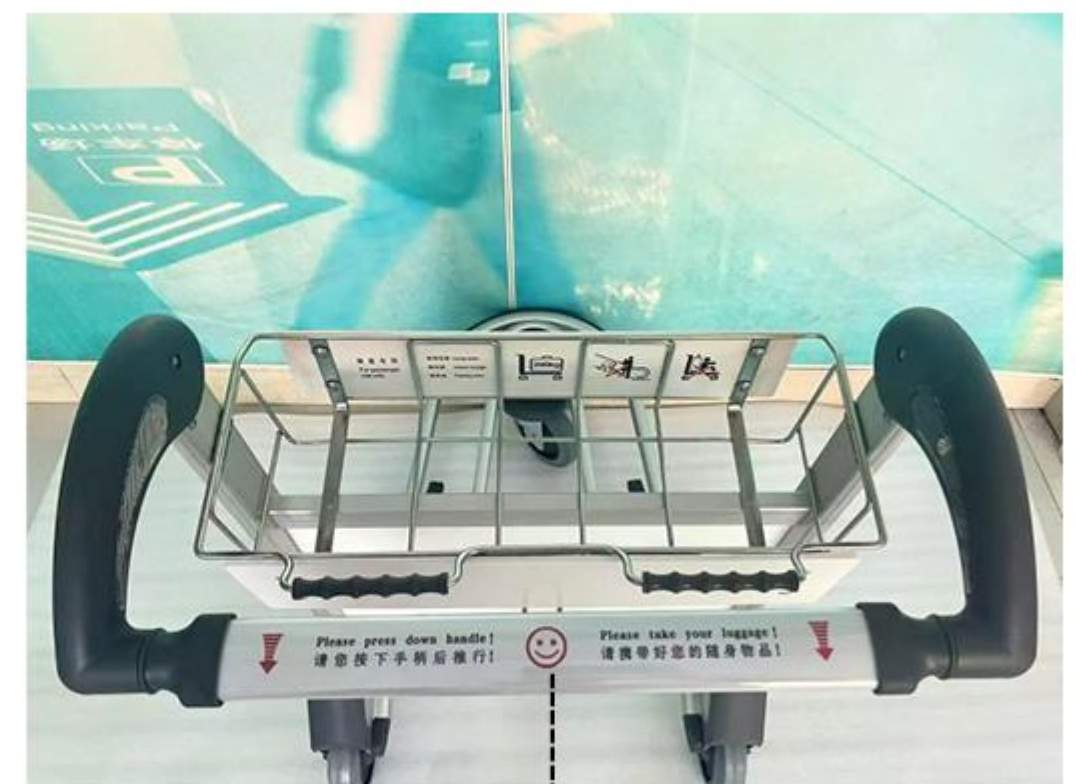
The new anti-pinch connector gives traditional plastic connectors the ability to prevent pinch and decorate, which can not only avoid the risk of passengers being accidentally pinched in the process of using the trolley, but also add a beautiful landscape of "dolphin jumping the dragon gate" in the terminal building.



## Combiflat handle

The innovative modular flat handle combines a high-strength aluminum alloy tube, outdoor photography stickers, transparent PC sheath, and specialized adapter connectors. This integrated design delivers perfect coordination, comfortable grip, vibrant colors, scratch-resistant durability, and long-lasting performance. It resolves environmental concerns and product flaws of traditional handles, including surface paint issues, screen-printing defects, and wear-related problems. Paired with the "pig shaped anti-pinch adapter", this modular system enables effortless and effortless brake control.

The transparent PC sheath is available in standard and antibacterial versions, allowing customers to choose according to their needs.



Combination flat handle

PC Transparent

Aluminum Alloy Handle

Outdoor photo stickers





## Dual bearing rubber wheel:

Engineered with precision-engineered dual-precision PA multi-rib hub and V-shaped tread, this custom natural rubber wheel utilizes advanced rubber injection molding technology. Through strict quality control with a 75+5 Shore hardness standard throughout production, it delivers a premium rubber wheel that excels in heavy-duty performance, exceptional wear resistance, and quiet operation. The seamless integration of "y-shaped metal brake pads" and "rubber wheel tread" ensures optimal braking efficiency while preventing tread damage from wear, significantly enhancing durability and extending service life.

The specialized rubber wheels passed both static pressure tests (3 times the rated load of 3234N, approximately 330kg) and walking tests with 500 obstacles under the rated load of 1078N (approximately 110kg). The Akron wear reduction ratio was expected to be 0.80, but the measured value was 0.65.

