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## Height-staggered design

A set of components that should be tightened but cannot be tightened as expected is a great regret left by the current roller skating industry!

This patent applies the height-staggered design technology of the inner and outer rings of bearings, removing the bearing spacer between the two bearings and removing the protrusion on the inner side of the frame, resulting in a surge in the rotational performance of the wheel after tightening the axle, and the accuracy of the bearing becomes the only tolerance of this component.

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## Easy assemble

Skaters and coaches do not need to spend time on testing size and configuration components. This process has been skipped, and the act of forcing the axle to loosen will no longer be repeated. Skaters will be more focused on racing, and the risks of wheel jamming and falling will be eliminated.





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## **No more wobble**

After the scientific simplification of the components, the wheel's wobble disappeared, the technology for overtaking the curve was optimized, and the precision of roller skate manipulation was improved.



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## Increased service life

After the wheels are tightened and still operate normally, indicating that the steel balls are operating normally within the designed bearing backlash. It will no longer require loosening the axle like traditional bearings in the past, nor will it wear out grooves and cause abnormal heating, thereby affecting the hardness of the wheel, and the service life of the bearings will also increase exponentially!



MUSE  
DESIGN  
AWARDS

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# Global Muse Design Award Rising Star

Revolutionary Blade Design Transforms  
Speed Skating, Cornering Mastery Unveiled  
in Championship Finals

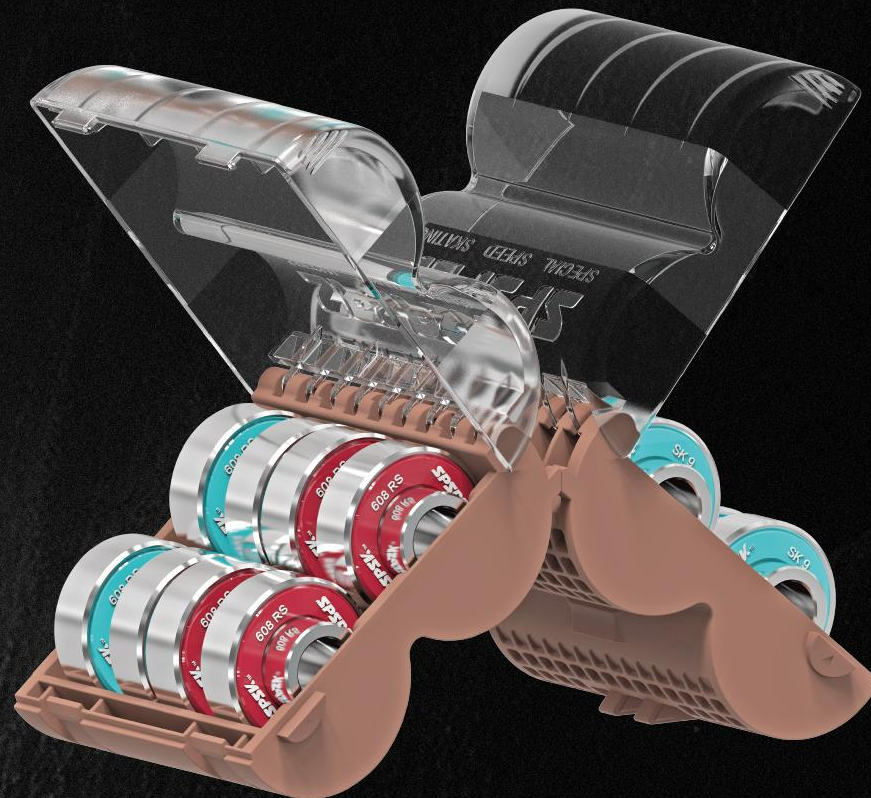




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# Design Accolade Shines Bright

A' Design Award Italy Silver Prize Honors  
Chinese Design on the Global Stage

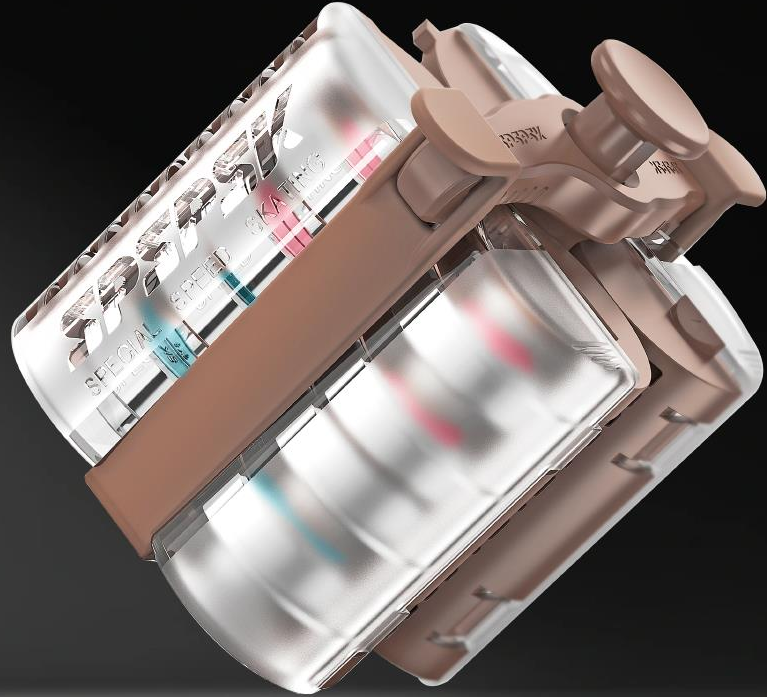




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# Designs for Glory

Bearing Storage Box Wins New York Product Design Award, Leading the New Trend of Roller Skating Life!





reddot winner 2023

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# Red Dot Award-Winning

Bearing Storage Box Ushers  
in a New Era of Design:  
An Oscar for Functional Aesthetics

