

The Rotacaster vs the swivel caster:

The swivel caster is an ingenious solution to deliver 360° functionality to a wheel. However, there are some common performance limitation. We have taken a closer look at the most common performance shortcomings and detailed how the Rotacaster addresses these.

Swivel caster	Rotacaster
Flutter: Caster commonly start to flutter at higher speeds relative to the size of the caster and the load. The lighter the load and smaller the caster the lower the speed to suffer a destabilising flutter.	Thanks to its rigid mount, the Rotacaster does not flutter.
Towing: While in and of itself towing is not a impairment to the swivel caster's performance, it is the most likely time at which the kingpin will fail, especially when cornering with a bit of speed. The load bearing is significantly reduced as the momentum is forward, but the tug's direction is changed, which tilts the wheel.	Thanks to its rigid mount, the Rotacaster does not suffer reduced load bearing capability when turning.
Binding: Heavy loads easily impair the ball-bearing raceway, causing the caster to bind and fail.	Thanks to its rigid mount, the Rotacaster does not bind.
Side Thrust: When a cart is hit or bumped by another object the swivel casters are not able to turn with the motion, causing the failure of the caster.	Thanks to its rigid mount, the Rotacaster is not impaired by side thrust.
Curbs, tracks, thresholds, expansion joints, unclean floor can all create obstructions which when impacted can lead to kingpin failure.	Thanks to its rigid mount, the Rotacaster does not suffer kingpin failure.
Caster kick: When changing directions or impacting obstructions casters can unexpectedly kick in any direction destabilising the load.	Thanks to its rigid mount, the Rotacaster does no incur caster kick.
Caster lock: When reversing directions casters are prone to swing in opposite directions causing lock, especially under heavy loads.	Thanks to its rigid mount, the Rotacaster does not lock, no matter how heavy the load.

In summary the Rotacaster delivers precise 360° manoeuvrability mounted in a rigid fork, thereby extending capability and limiting risk beyond the traditional swivel caster. These are just some of the many inherent advantages of the Rotacaster.

