

Building a Better Caster

ENGINEERS AT

CASTER Concepts (www.casterconcepts.com), Albion, Mich., developed a heavy-duty industrial caster, Twergo, that takes less force to start rolling or to turn and maneuver a load, and minimizes scrubbing and damage to flooring. Twergo combines up to three polyurethane wheels in the same space as one conventional caster, which lets it handle higher loads.

The wheels spin on sealed ball bearings and have no center support bar, which reduces surface contact and lets the wheels turn in the direction and that lowers friction.

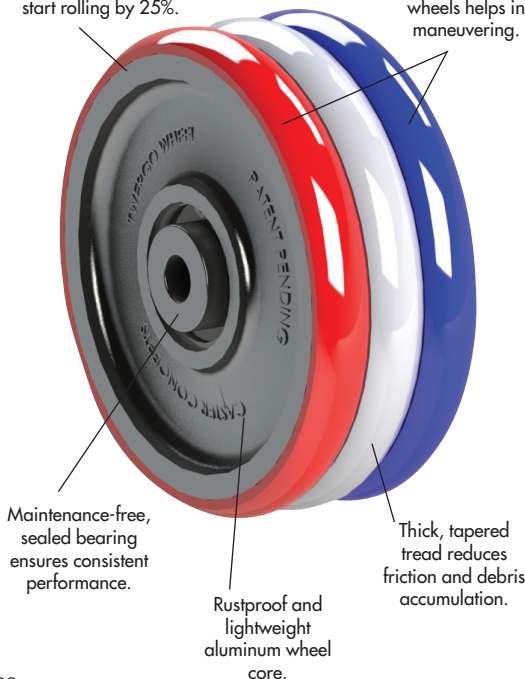
The wheels also have tapered treads and mount on a durable, lightweight aluminum, parabolic wheel face. With these features, a cart equipped with Twergo casters can start moving using 25% less force than that needed for carts with conventional casters.

The thick tread can be made of polyurethanes with a range of different user-chosen hardnesses to meet specific applications. The tread will not pick up debris and help reduce friction. It also wears consistently, so the caster will have a longer life. In fact, the entire caster is designed to last longer than traditional casters, thanks to the rustproof aluminum cores, precision bearings, and lack of exposed joints or linkages. The casters can also handle high-speed applications such as AGVs and tuggers.

Wheel sizes range from 4 × 2 to 12 × 3 in., and are able to carry up to 4,200 lb. per caster. **md**

Parabolic wheel face reduces initial push to start rolling by 25%.

Independently rotating wheels helps in maneuvering.



Maintenance-free, sealed bearing ensures consistent performance.

Rustproof and lightweight aluminum wheel core.

Thick, tapered tread reduces friction and debris accumulation.

Strength in partnerships

Providing the most innovative air movement technology



Allied Electronics is a distributor of ebm-papst products with more than 1,300 ebm-papst cooling solutions on the shelf and ready to ship. With over 40 sales offices serving the United States, Mexico, and Canada, you can call your local Allied representative or click on thinkallied.com to order your ebm-papst parts today.

Allied Electronics
Headquarters
7151 Jack Newell Blvd. S
Fort Worth, TX 76118
1.800.433.5700
quotes@alliedelec.com
www.thinkallied.com

ebmpapst

The engineer's choice