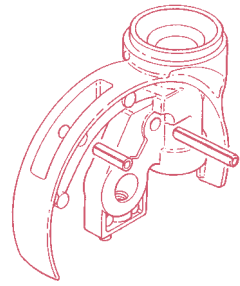


TwinTech Solus Specifications



Body and Wheel Centers

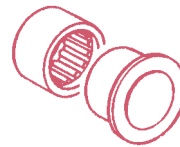
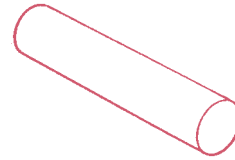
- Pressure-diecast aluminum for light weight, high load capacity, resistance to abuse, and electrical safety.
- Standard finish: epoxy coating in White RAL 9003.

Brake

- Brake mechanism enabled through diecast teeth around each wheel hub and swivel pin.

Tires

- Tire profiles to suit hard and soft floor surfaces.
- Gray rubber, or gray polyurethane, with extremely hard wearing properties for temperatures up to 176°F (80°C). Low rolling resistance and very high load capacity.
- Gray, non-marking rubber for softer ride and temperatures up to 149°F (65°C).



Axle

- Precision hardened and ground steel shaft, manufactured to exacting tolerances; provides extended service life.

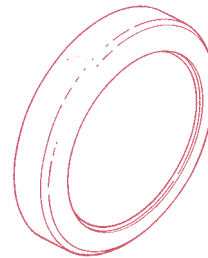
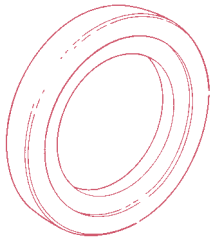
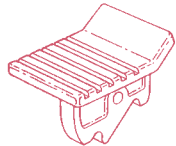
Bearings

- Headwork thrust race with hardened cup and cone ensures minimal wear and swivel resistance.
- Precision needle roller bearings fitted as standard for low rolling resistance.

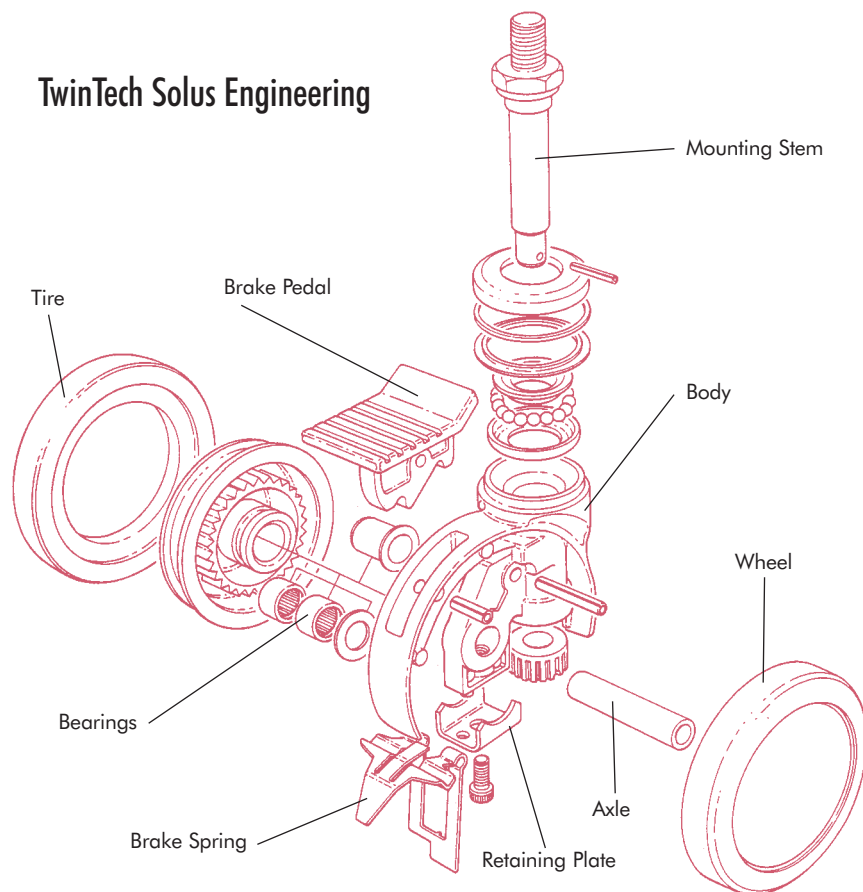
Twin Wheels

- Independent rotation allows minimal swivel effort.
- Totally enclosed bearings, swivel and brake mechanisms in minimal height housing.

Minimal wheel lubrication may be needed in extreme conditions.



TwinTech Solus Engineering



Ordering Options

- Body and wheel hubs can be powder coated in virtually any color to match existing equipment. (*Consult factory for pricing and set-up charges.*)
- Tires available in polyurethane, rubber, and nylon in a selection of color, shape, hardness, or electrical characteristics.
- Optional hard tread tire in black nylon for high maneuverability on suitable floors.
- Mounting stem can be customized to user's requirements.
- Special "Gold Seal" version provides 72-hour salt spray protection through special plating quality and additional seals for regular autoclaving or steam cleaning. (*Consult factory for pricing and set-up charges.*)
- Available with the following brake options:
 1. Wheel lock
 2. Directional lock
 3. Total lock
- Caster construction for non-magnetic characteristics.
- Anti-static rubber, nylon, or polyurethane tires.
- Delrin® bearing wheels.

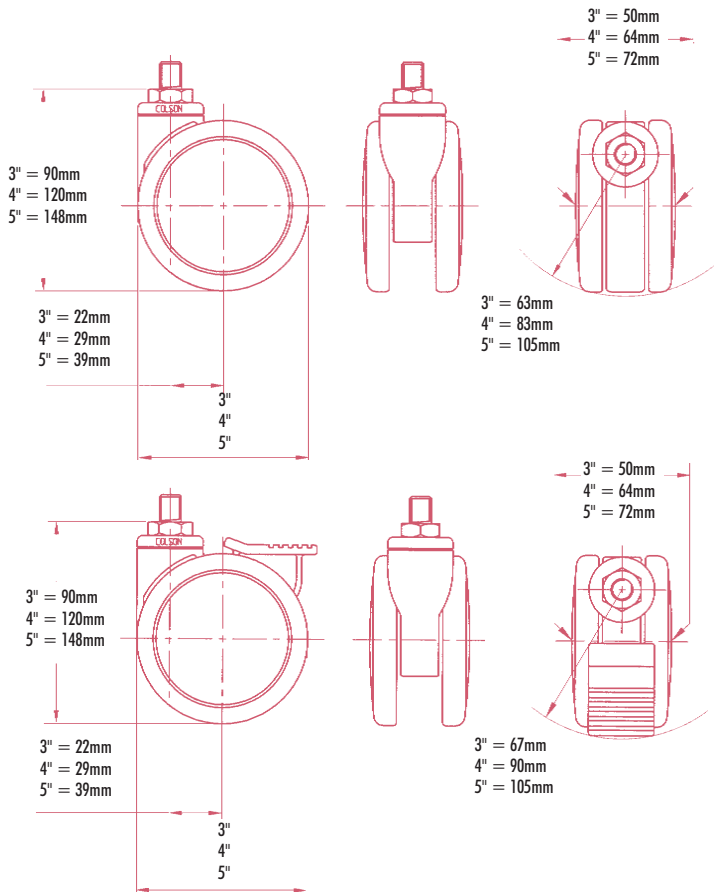
TwinTech – Solus Swivel Casters

Simple, clean lines combined with the ability to swivel freely in all directions make the TwinTech Solus Swivel Caster ideal for high-technology equipment. It features a lower overall height than traditional casters to maximize stacking capacity, or to stabilize legs which need to slide under equipment.

The Total Lock models feature a brake mechanism that is fully enclosed between the twin wheels to avoid wear on tires often associated with external brakes. The brake is activated by light pressure on a smooth-contoured pedal, manufactured from tough, reinforced thermoplastic for a low operating load and long service life. Both the wheel and the swivel are locked simultaneously by the positive engagement of two sets of metal teeth.

Type	Wheel Dia.	Load Capacity	Bearing	Wheel Type	Stem Size	Weight	Part Number
Swivel	3"	198 lbs.	Roller	Gray Polyurethane	M10 x 15	0.8 lbs.	2-3504-409-064-0001-0805
Swivel	4"	275 lbs.	Roller	Gray Polyurethane	M12 x 20	1.6 lbs.	2-4504-409-007-0001-0805
Swivel	5"	297 lbs.	Roller	Gray Polyurethane	M16 x 20	2.9 lbs.	2-5504-409-017-0001-0805
Swivel	4"	198 lbs.	Roller	Gray Rubber	M12 x 20	1.6 lbs.	2-4504-409-007-0001-0105
Swivel	5"	220 lbs.	Roller	Gray Rubber	M16 x 20	2.9 lbs.	2-5504-409-007-0001-0105
Total Lock	3"	198 lbs.	Roller	Gray Polyurethane	M10 x 15	0.9 lbs.	2-3502-409-064-2001-0805
Total Lock	4"	275 lbs.	Roller	Gray Polyurethane	M12 x 20	1.9 lbs.	2-4502-409-007-2001-0805
Total Lock	5"	297 lbs.	Roller	Gray Polyurethane	M16 x 20	3.0 lbs.	2-5502-409-017-2001-0805
Total Lock	4"	198 lbs.	Roller	Gray Rubber	M12 x 20	1.9 lbs.	2-4502-409-007-2001-0105
Total Lock	5"	220 lbs.	Roller	Gray Rubber	M16 x 20	3.0 lbs.	2-5502-409-017-2001-0105

Standard Finish: Body - White RAL 9003.



Options

(Consult Factory)

- "Gold Seal" washable casters
- Colored finishes
- Electrically conductive tires
- Alternative stem and thread sizes
- Top plate fixing
- Black nylon tires
- Directional lock for Total Lock models

Consult factory for English/Imperial ordering dimensions and quantities.