

HOW TO MEASURE PLATE CASTERS



CASTER TECHNOLOGY CORPORATION

Every Caster. Every Need. Every Time.

In order to make sure you get the right caster for your application, you will need to know how to take some key measurements. This is the most important step in replacing your caster. The simple to follow diagrams and instructions below will help you measure the proper specifications.



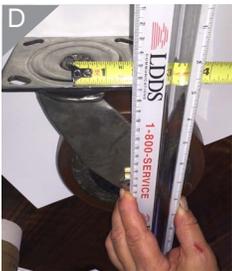
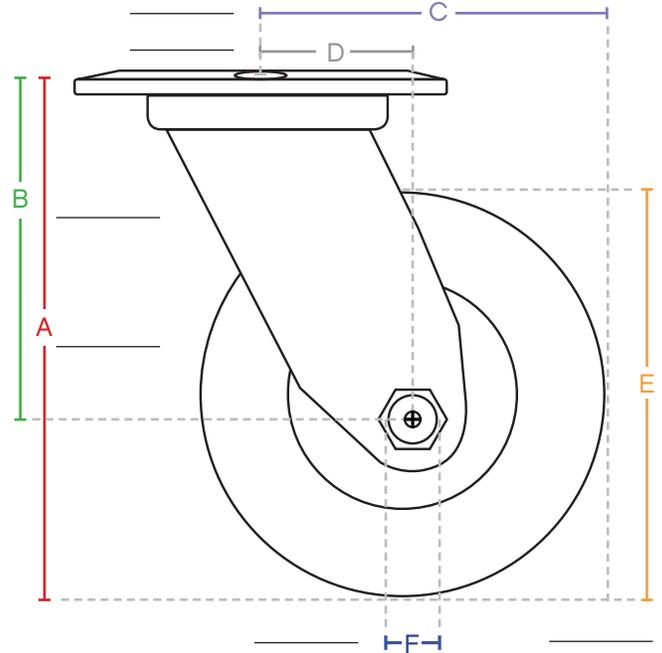
Overall Height
The vertical distance between the bottom of the wheel to the top of the mounting plate



Missing
The distance from top plate to the center of axle bolt



Swivel Radius
The distance from the center of the kingpin to the outer edge of the wheel



Swivel Lead
The distance from the center of kingpin to center of the wheel axle bolt



Wheel Diameter
The diameter of the wheel, which determines the size of the caster



Axle Bolt Diameter
The diameter of the axle bolt



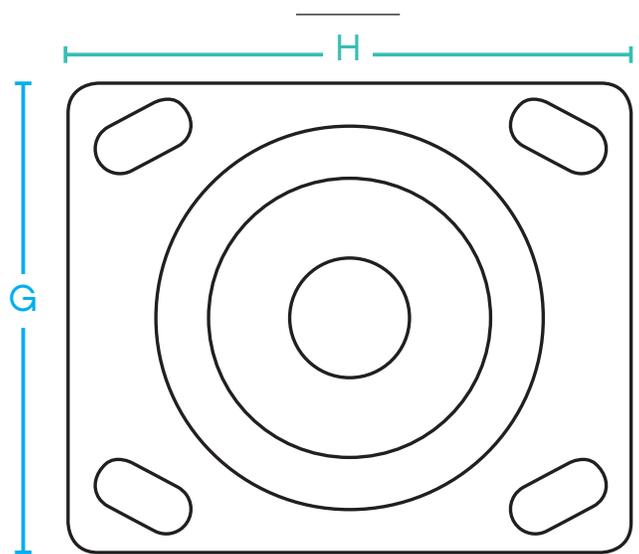
Trace Top Plate and Bolt Patterns for G-M



Top Plate Width
The width from the outside edge of the top plate to the opposite outside edge

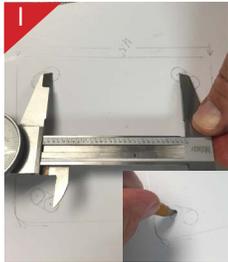
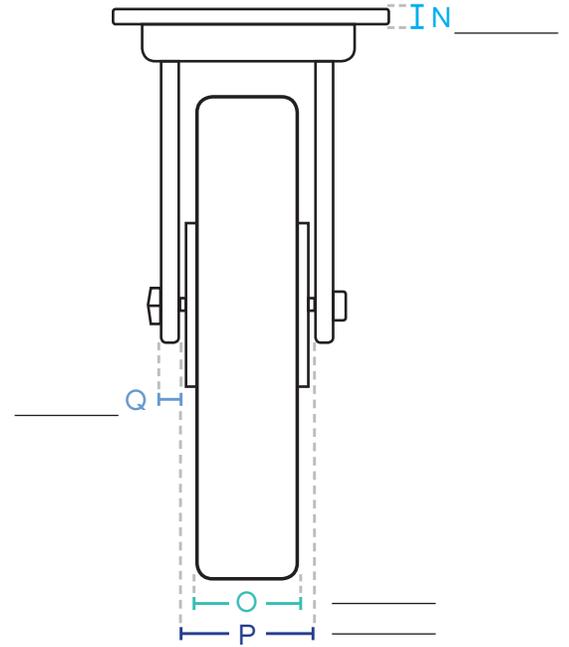
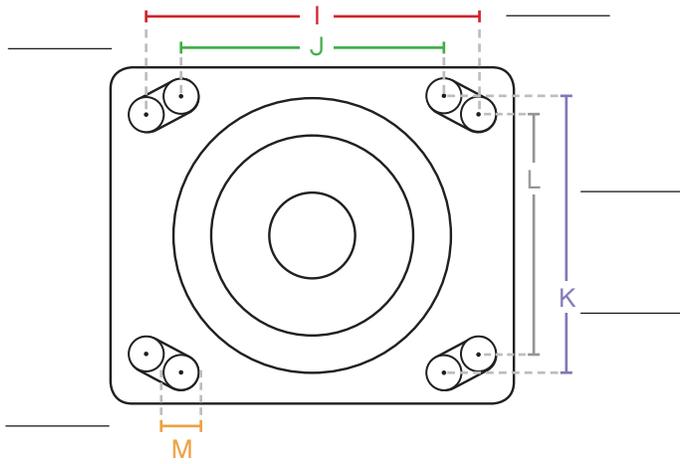


Top Plate Length
The length from the outside edge of the top plate to the opposite outside edge

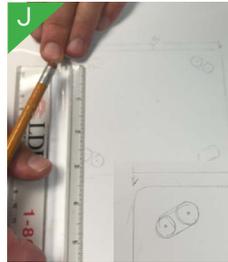


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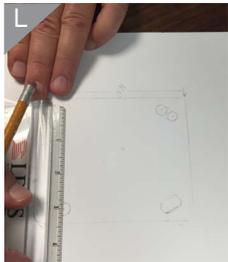
Outside Bolt Hole Pattern (length)
The distance from the outside edge of the mounting bolt hole to the outside edge of the adjacent bolt hole



Inside Bolt Hole Pattern (length)
The distance from the inside edge of the top plate mounting bolt hole to the inside edge of the adjacent bolt hole



Outside Bolt Hole Pattern (width)
The distance from the outside edge of the top plate mounting bolt hole to the outside edge of the adjacent bolt hole



Inside Bolt Hole Pattern (width)
The distance from the inside edge of the top plate mounting bolt hole to the inside edge of the adjacent bolt hole



Bolt Hole Diameter
The diameter of the mounting plate bolt hole



Top Plate Thickness
The distance from the top of the top plate to the bottom of the top plate



Wheel Face Width
The overall width of the wheel



Fork Thickness
The distance from the inside of the left fork leg to the inside of the right fork leg



Leg Thickness
The distance from the outside of the fork leg to the inside of the same fork leg

Load Capacity

To determine load capacity per castor, you must first find out the weight of the cart plus the load it carries. Once you have the total maximum weight, divide that number by the total number of castors on the cart to get the per castor load capacity.

Example:

Cart weight = 100 lbs

Max. Load = 1100 lbs.

Total weight = 1200 lbs.

No. of Castors = 4

Load Capacity $1200/4 = 300$ lbs.

Note: this only applies to manually pushed carts.

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