

Caster Selection Guide

Application/Use: Choose stainless steel or nickel-plated casters for use in hospitals or washdown environments. In manufacturing facilities or dirty environments, look for casters with grease fittings and seals. Environments with continuous elevated temperatures require metal or certain high-temperature polymer wheels.

Mount Type: Stem-type numbers are found in the table under "Mount Type". Plate mounts are offered with round or slotted holes for a wider range of mounting sizes. Plate specifications can be found on corresponding caster pages.

Wheel Diameter: Locate this dimension in the table under the heading "Wheel Dia." for replacement caster.

Load Rating (Lbs.): The maximum weight in pounds each caster can support individually. To determine the appropriate rating for your application, divide the total weight of the load by the number of casters that will support it. It is recommended that users choose a caster with a capacity that exceeds, rather than meets, load requirements.

Overall Height: Measured from the floor to the actual mounting point (see "Caster Dimensions" diagram on this page). Overall height of the caster can vary by $\pm 1/16"$.

Swivel Casters: Upper race cap doubles as a dust cover to protect swivel raceways from contaminants.

Total-Lock Brake Casters: Feature foot-operated pedal that simultaneously locks both swivel and wheel to hold equipment in place.

Directional-Lock Casters: Enables the temporary conversion of swivel casters into fixed casters for straight line travel.

Swivel with Total and Directional Lock Brake: Feature 3-locking positions: swivel and wheel lock prevent all movement, swivel-lock only allows free-rolling wheel. No lock allows complete swivel and roll operation.

NSF NATIONAL SANITATION FOUNDATION (NSF) CERTIFICATION

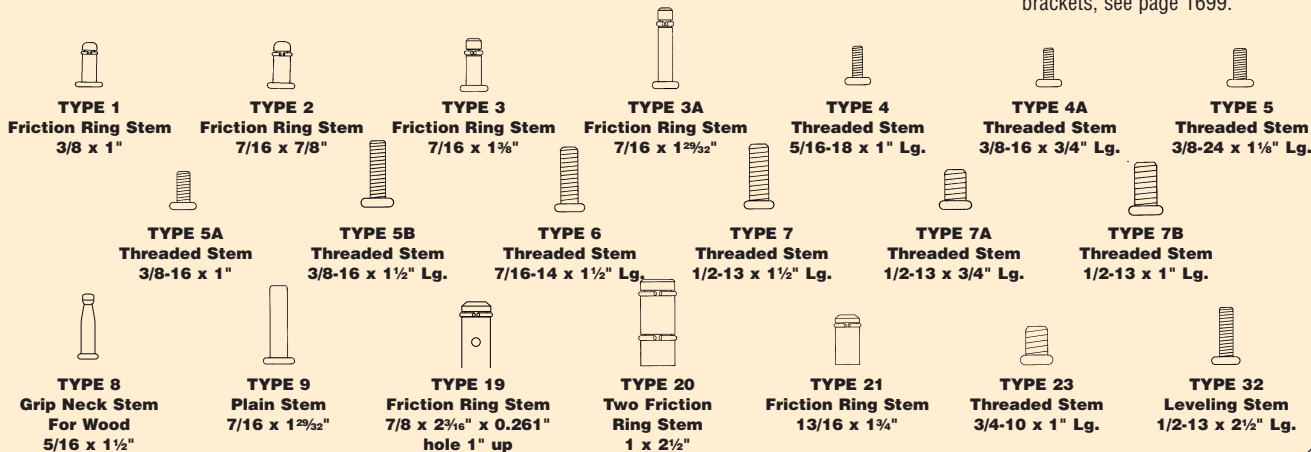
Meet standards established for public health and environmental quality. These consensus standards are accepted by the American National Standards Institute (ANSI).

Choose from a Wide Selection of Casters, Including These Popular Styles:

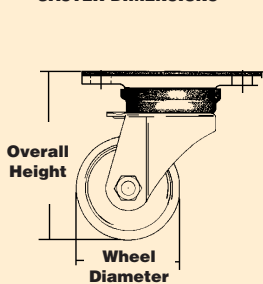


Stem Description Guide

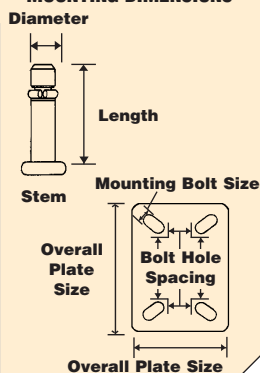
Note: For stem caster sockets and brackets, see page 1699.



CASTER DIMENSIONS



MOUNTING DIMENSIONS



Wheel Tread Hardness/Durometer

The hardness of a wheel tread affects ease of rolling, traction, durability, shock absorption, and noise. Hard wheels are easier to roll on smooth surfaces, but are noisier, and provide less traction. Soft wheels are easier to push on rough surfaces, quieter, and provide better traction, but have a lower load capacity. Durometer is a measure of a material's resistance to permanent indentation. The 2 most common durometer scales for wheel hardness are the A and D scales

of the Shore testing method. The table shows a comparison of the Shore A and Shore D scales, with a reference to some common materials.

Shore A	Shore D	Material
30	6	Gum Eraser
40	8	Pink Eraser
50	12	Rubber Stamp
60	16	Pencil Eraser
70	22	Auto Tire Tread
80	29	Rubber Shoe Sole
90	39	Hydraulic O-Rings
100	58	Golf Ball
—	74	Hard Hat
—	78	Nylon Plastic
—	86	Bone
—	90	Glass or Formica