

Caster Wheel Selection Guide

Wheel Materials

Cast Iron – High-capacity and abrasion resistant for easy rolling and long service life on concrete.

Ductile Iron – Superior resistance to breakage, cracking, and chipping for long service life in the most severe of applications.

Forged Steel – Indestructible in normal applications and long service life. Used where floor protection is a secondary consideration, or for use on steel plates.

Glass Filled Nylon – Will not chip, absorb water, or breakdown in caustic environments.

Monoprene – Reject debris, while offering the same great features as a pneumatic wheel, without going flat.

Neoprene – High resistance from oil and chemicals while providing sufficient cushioning to substantially lower or eliminate shock, vibration, and noise levels.

Nylatron – Impact-resistant and impervious to corrosion and nearly all chemicals. Durable with low rolling resistance.

Nylon – Withstands solvents, corrosive environments, and temperature extremes.

Phenolic – Floor protective and highly resistant to oil, grease, gasoline and mild acids. Recommended for use on smooth

concrete. Not recommended for wet applications or use over rough surfaces.

Polyolefin – Lightweight, one-piece solid sanitary design suited for use in wet and corrosive applications.

Polypropylene – Resist absorption and withstand most chemicals and solvents.

Polyurethane – Easy-rolling wheels, cushion loads, protect floors, and offer superior chemical resistance.

Rubber – Long-wearing wheel provides floor protection and quiet operation.

Stainless Steel – Strong and durable design, ideal for use in a wet, corrosive or sanitary environments.

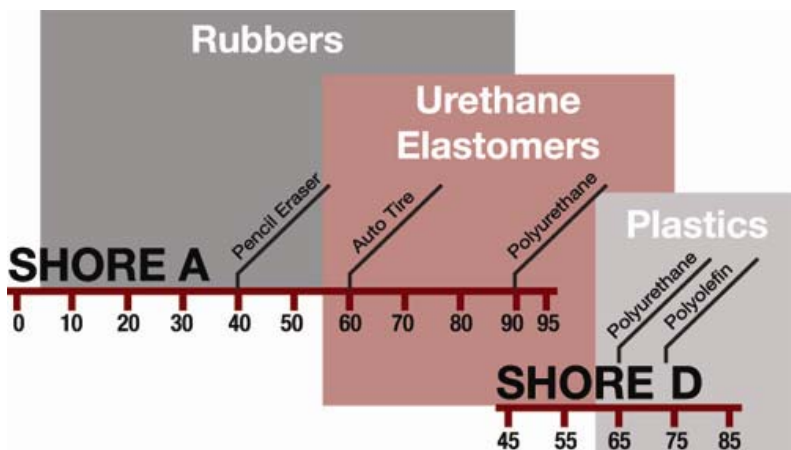
Steel – Provides strength and shock resistance with long service life and economy for use in rough service conditions.

Thermoplastic Rubber (TPR) – Chemical- and water-resistant, absorbs shock and protects floors, while providing easy rollability.

Vulkollan – Highest quality polyurethane. Extremely durable with excellent abrasion resistance. Easy to roll.

Durometer

Durometer – Measures the hardness of the wheel material - the higher the number, the harder the material. Using either the Shore A or Shore D scale, is the preferred method for rubbers/elastomers and is also commonly used for 'softer' plastics such as polyolefins, fluoropolymers, and vinyls. The Shore A scale is typically used for 'softer' rubbers, while the Shore D scale is used for 'harder' ones.



Wheel Size

