

Rubber-Tired Wheels

Possessing good cushioning properties, these wheels work well on rough and uneven surfaces, turn quietly and protect floors.



Series R—Moldon Rubber

Solid tire permanently vulcanized to cast iron center. Quiet, serviceable, floor-protective. 70 Durometer standard, but also available "Extra Hard" (90 Durometer) or Neoprene compound. Page 55.



Series E/F—Ebonite/Flexonite

Solid rubber wheels most popular for lighter applications. **Ebonite** (hard rubber throughout) provides optimum rollability, **Flexonite** (softer tread than core) provides quiet operation. Page 62.



Series AT—Ace-Tuf®

(trademark of Ace Products) Puncture-proof cushion rubber tire produced by new technology and bonded to high-impact polypropylene core. Page 61.



Series TE—Versa-Tech®

Soft non-marking gray rubber tread, 65 Durometer (± 5 Shore A), permanently bonded to a polyolefin core produce this lightweight, durable and economical wheel. Page 65.



Series PR—Pneumatic

Inflatable tube-type or tubeless tire mounted on steel rims provides excellent flotation. Optimum combination of shock absorption and rollability. Page 60.



Series SU—Super-Flex™

Soft and thick puncture-proof tire permanently vulcanized to rugged aluminum center. Suited for continuous service, not recommended for manual pushing of heavy loads. Page 61.



Series AR—Vulcalite™

A gray non-marking solid tire vulcanized to solid-web aluminum center. Attractive and light-weight but with less strength than iron-center moldons. Page 60.

Polyurethane Wheels

Carries higher capacities than rubber, outwears rubber, floor protective and quiet in operation.



Series D—Duralast®

Liquid cast 95A polyurethane tread chemically bonded to heavy duty iron center. Outwears rubber 5-10 times and rolls easier under heavy loads. Page 53.



Series SY—Superlast®

The ultimate polyurethane wheel for severe applications. A 1" thick liquid cast polyurethane tire is chemically bonded to drop forged steel center with precision tapered bearings. Page 52.



Series NF—Poly-Tech®

A 90 Durometer polyurethane tire mechanically bonded to polypropylene core results in this attractive and easy rolling wheel. Page 63.



Series AY—Polylast

A 90-95 Durometer polyurethane tire slightly thinner than Duralast®, liquid cast and chemically bonded to a solid-web aluminum center. Page 59.



Series UY—Unilast™

Solid polyurethane wheel (75-80 Durometer Shore D) provides high mobility and great load bearing qualities. Designed for medium to heavy duty loads. Page 63.

Plastic Wheels

Easy rolling, high capacity, economical, chemical resistant and floor protective in intermittent operation.



Series P—Plastex

A one-piece wheel of fiber-reinforced phenolic resin molded under extreme heat. Provides easy rolling and good capacity at modest cost. Page 54.



Series A—Aqualite®

"Polyolefin" wheel injection-molded from a blend of polymers that provides water resistance and high impact strength at low cost. Page 64.

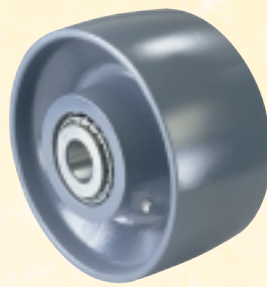
Metal Wheels

Consist of four types— cast iron, ductile iron, forged steel and stainless steel. Can be configured with a flat face or crown tread.



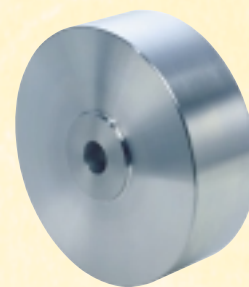
Series M— Metal

Cast iron, sometimes called "semi-steel" because of scrap steel added as alloying element. Also designates sintered iron where indicated. Page 56.



Series FS— Forged Steel

Highest capacity, solid web wheels drop forged to provide tensile strength in the 75,000 psi range. Some sizes available V-Grooved (FV) or Flanged (Suffix-F). Page 52.



Series S— Stainless Steel

Well suited for high temperature and corrosive applications, this Type 303/304 stainless steel wheel is available with a smooth "as cast" tread or with a machined V-Groove. Page 57.

Special Purpose Wheels

Developed for specific industrial applications. Hamilton offers a complete line in each of these four wheel types.



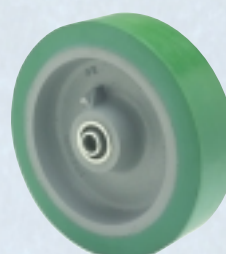
Series V— V-Grooved

Heavy duty industrial track wheels made from forged steel or cast iron. Page 49.



Series FT— Flanged Track

High capacity single and double flanged track wheels available in cast iron, ductile iron, or forged steel. Page 51.



Series EHR/EHY— Extra Heavy Automotive

Rubber or polyurethane (½" or 1") is chemically bonded to a heavy duty cast iron solid web center. Meets auto industry specs. Page 59.



Series POR/POY— Press On

Rubber or polyurethane tread chemically bonded to a steel rim which is pressed on to a heavy duty cast iron center. Page 58.

WHEEL CHARACTERISTICS—COMPARATIVE RATINGS¹ (see page No. listed for more detail on a particular wheel)

	Ordering Symbol	Page No.	Ease of Rolling ²	Relative Capacity	Quiet Operation	Floor Protection ³	Cushioning (Resilience)	Impact Resistance	Moisture and Water Resistance	Abrasion Resistance	Relative Cost	Temperature Range ⁴
Forged Steel	-FS	52	High	Very High	No	Poor	Low	High	High	Very High	High	-30°–600°
Metal	-M	56	High	High	No	Poor	Low	Low ⁵	High	High	Low	-30°–600°
Stainless	-S	57	High	High	No	Poor	Low	Med.	High	High	High	-30°–600°
Plastex	-P	54	High	High	No	Fair	Low	Med.	Low	Med.	Low	-50°–300° ⁹
Aqualite®	-A	64	High	Med.	No	Fair	Med.	Med.	High	Med.	Low	-20°–200° ⁹
Unilast™	-UY	63	High	Med.	Yes	Good ⁶	Low	Med.	High	Med.	Med.	-50°–180°
Superlast®	-SY	52	Med.	High	Yes	Good ⁶	High	Very High	Med.	High	High	-50°–200°
Duralast®	-D	53	Med.	High	Yes	Good ⁶	Med.	Med.	Med.	High	High	-50°–200°
Polylast	-AY	59	Med.	Med.	Yes	Good ⁶	Med.	Low	Med.	High	Med.	-50°–200°
Poly-Tech®	-NF	63	Med.	Med.	Yes	Good	Med.	Med.	High	High	Med.	-30°–180°
Ebonite	-E	62	High	Med.	No	Fair	Low	Low	High	Med.	Low	0°–130°
Flexonite	-F	62	Low	Low	Yes	Good	High	Med.	High	Low	Low	-40°–120°
Super-Flex™	-SU	61	Very Low	Low	Yes	Good	Very High	High	Med.	Low	High	-40°–120°
Moldon Rubber	-R	55	Low	Low ⁶	Yes	Good	High	High	Med ⁷	Low	Med.	-70°–160°
Vulcalite™	-AR	60	Low	Low	Yes	Very Good	High	Med.	High ⁷	Low	Med.	-70°–160°
Versa-Tech®	-TE	65	Low	Low	Yes	Very Good	High	Med.	High ⁷	Low	Med.	-40°–180°
Ace-Tuf®	-AT	61	Low	Low	Yes	Good	High	High	High	Low	Low	-10°–160°
Pneumatic	-PR	60	Low	Low	Yes	Good	High	High	Med.	Low	High	-30°–120°

¹ Chart is intended only as a general comparison, and not as a recommendation for any particular wheel in a specific application. Unusual conditions may require more detailed consultation with factory. ² On smooth floors without obstructions. ³ Excluding marking or staining (depending on type floor). ⁴ Fahrenheit. The ranges shown should be used only as a guide since wheel life, capacity and/or performance generally decline at elevated temperatures depending on length of exposure, etc. Not all bearing types will be suitable throughout the ranges given. ⁵ Steeltest Ductile Alloy or Forged Steel are available for higher impact resistance. ⁶ Extra-hard 90-durometer compound for higher capacity available on special order. ⁷ Neoprene oil-resistant compound should be specified for oily conditions. ⁸ Not recommended for towline operation unless floor hardened. ⁹ Special high-temp compound available on special order.