

Wheel Descriptions

Cast Iron Wheels (CI)



CIR-0615-19

RWM Cast Iron Wheels are extremely long wearing. They provide excellent resistance to shock and are a good choice for heavy loads in manufacturing and warehousing, especially on rough concrete, wood block and other rough surface conditions.



CIR-0620-19

RWM Cast Iron Wheels are made of much stronger material than inexpensive semi-steel wheels offered by many other wheel manufacturers. These cast iron wheels can withstand high temperatures and exposure to water or the environment. They will rust over time. Cast iron wheels can also withstand exposure to chemicals, grease, oils, etc.



CIR-0830-31

Temperature Range: -40 to +800° Fahrenheit

Durastan Wheels (DU): Phenolic Wheels



DUR-1030-16

Durastan Phenolic Wheels are made from macerated cotton canvas and mixed with a quality premium phenolic resin compound. They are molded under high pressure under controlled conditions to produce a maximum density, superior strength product. Durastan Phenolic Wheels are extremely hard 90 Shore D, and roll very

easily. They are not as loud as steel wheels and provide better floor protection.

Durastan wheels are a very popular wheel and are used in a wide range of industrial applications including manufacturing, warehousing and bakeries. Durastan phenolic wheels are very economical. They are capable of withstanding heat ranges from -50 to 250° Fahrenheit. Special high temperature Durastan phenolic wheels are available for -45 to 475° Fahrenheit applications found in industrial bakeries and other high temperature applications.

Extra heavy-duty laminated Durastan phenolic wheels are also available. They offer a 25% higher rated capacity and added shock load capacity. All Durastan phenolic wheels are resistant to oils, grease, gasoline and most commonly used chemicals and water. Durastan phenolic wheels are not recommended for submerged or constant wet environments. Durastan phenolic wheels should not be towed at high speeds or used on poor or damaged floor surfaces.

Elastomeric High Tensile Non-Marking Rubber Wheels (Non-marking EHT on Aluminum)



RAB-0820-08-EHT-NM

RWM Elastomeric High Tensile Rubber Wheels are incredible molded rubber wheels. The high quality high tensile premium rubber is bonded to a heavy-duty solid web cast iron core. These wheels are rated at 200% more than normal molded rubber wheels. This rubber wheel will not crack, chunk, dry out or debond. These elastomeric high tensile rubber wheels are excellent for towing applications in both

indoor or outdoor environments. These rubber wheels can be used at higher rated towing speeds than other wheels. Please contact the factory for additional information.

RWM Elastomeric High Tensile Rubber Wheels provide excellent floor protection, are quiet and roll easily over debris. They will not mark floors. They are an excellent caster for large assembly plants, freight terminals, automotive plants, and continuous use operations.

Elastomeric High Tensile Rubber Wheels (EHT on Iron)



RIR-0830-31-EHT

RWM Elastomeric High Tensile Rubber Wheels are incredible molded rubber wheels. The solid core provides superior strength and the rubber does not chunk out. These rubber wheels perform well at 200% of normal molded rubber capacity and are excellent for towing applications. These elastomeric high tensile rubber wheels may mark floors. These lighter rubber wheels reduce the weight of carts and increase amount of loads that carts can carry. RWM Elastomeric High Tensile Rubber Wheels may be the best all purpose towing wheel in the industry.

Forged Steel Wheels (FS)



FSR-0830-31

RWM Forged Steel Wheels are hot forged from medium carbon steel providing maximum strength and durability. These wheels are virtually indestructible within their capacity range. Forged Steel Wheels can be used in the roughest, most demanding, abusive applications on the poorest floors under the heaviest of loads. These forged

steel wheels should not be confused with ductile iron or heavy-duty cast iron wheels offering both lower cost and reduced capacities. Forged Steel Wheels are the only choice when extra heavy duty loads on poor floor conditions need to be moved safely.

Temperature Range: -50 to +800° Fahrenheit

Hard Rubber Wheels (HR)



HRO-3512-06

RWM Hard Rubber Wheels are used where low cost, easy rolling wheels are required. Hard Rubber Wheels offer good floor protection, are quieter than steel wheels, and are strong and chip resistant. Hard Rubber Wheels have a center line located in the middle of the tread. This center line, even when removed as close as possible, can cause damage to soft inexpensive floors. Hard Rubber Wheels can become brittle over time, and more so when exposed to outdoor elements. Hard Rubber Wheels can crack when dropped from limited heights or subjected to impact or shock.

Temperature Range: -30 to +160° Fahrenheit

High Temperature Glass Filled Nylon Wheels (HN)



HNR-0620-19

Our HN High Temperature Glass Filled Nylon Wheels are molded from reinforced nylon specifically designed to withstand high temperatures and provide excellent wear resistance. These nylon wheels can be used continuously at 350° Fahrenheit and intermittently up to 550° Fahrenheit.

High Temperature Glass Filled Nylon Wheels are able to handle high load capacities and have excellent impact resistance at room temperature. These high temp nylon wheels are highly resistant to water, cooking oils, fats, petroleum based products, common cleaning solutions, solvents, acids and salt.

These high temperature nylon wheels outlast and outperform all other high temperature wheels. They can be used in bakeries, smokehouses, curing ovens, autoclaves, mobile powder coating racks and other high temperature applications.

85 Shore D Durometer
Temperature Range: -40 to 550° Fahrenheit

Infinity Wheels



UIB-0830-12-INF

RWM Infinity Wheels have exceptional abrasion resistance, high tear strength and up to ten times the life of natural rubber wheels under similar loads and conditions. Load capacities are greater than similarly designed wheels, enabling the use of a smaller diameter wheel if required. Excellent for towing applications.



UIB-0820-12-INF

Our Infinity wheels are resistant to a wide range of oils, greases and chemicals, but are sensitive to hydrolysing agents such as hot water, steam and hot moist air, strong acids and alcohols. They offer excellent recovery from long periods of heavy static loading combined with low rolling resistance and floor saving capabilities

Mold-On Rubber Wheels (RI)



RIR-0830-16

RWM Mold-On Rubber Tread Wheels are constructed by molding high quality rubber to cast iron cores. All RWM Mold-On Rubber Wheels are floor protective, provide long tread life, are quiet in operation and are highly resilient.

Mold-on Rubber Wheels are suggested for use on all types of floors and numerous applications. The standard RWM Mold-On Rubber tread is 75 Shore A durometer. Mold-On Rubber Wheels are popular and used in principally inexpensive applications such as trash containers, platform trucks, lumber carts and many manually pushed low cost applications. These wheels should be replaced as soon as they start to crack, chunk or tear apart. They do not handle overloading or towing. Although economical, the RWM Mold-On Rubber Wheel utilizes a higher-grade rubber tread material that significantly outperforms wheels produced by other manufacturers.

75 Shore A Durometer
Temperature Range: -40 to +160° Fahrenheit

Nylatron HD Wheels

NEW!



NYB-0820-12

RWM Nylatron HD Wheels are as strong as steel. These wheels are EXTREMELY heavy duty wheels designed for severe loads. They have great rollability and are easier on floors than steel and iron wheels. Nylatron HD Wheels do not chunk or separate under extreme applications.

They are resilient against high temperature buildup from bearings and friction. These wheels are not for use in heavy acidic or base environments.

Temperature Range: -40°F to +300°F

Wheel Descriptions

GT (Solid Elastomer) Wheels



GTB-0820-08

The GT wheel is a high performance wheel that combines the toughness of blended elastomers and quality steel with the advanced wheel design to carry heavy loads without component breakdown. It will resist most chemicals in industrial and institutional environments.

The GT wheel will perform continuously for extended periods on all surfaces and under all conditions. This wheel provides excellent rollability with minimum effort. It will absorb impacts without damage that would shatter other wheels. The GT will perform under the most extreme temperatures, almost entirely maintenance free, and will roll mile after mile with virtually no tread wear.

75 Shore D Durometer

Temperature Range: -40° to +275° Fahrenheit

Available with Sealed Precision Ball Bearing Only

Performance TPR Wheels (RP)



RPR-0820-19

Performance TPR Wheels are specially engineered to provide unsurpassed durability and reliability. This premium wheel combines the durability of a hard tread wheel with the quiet floor protection of a soft tread wheel. They are made of a thermoplastic elastomer that is permanently bonded to a polypropylene core and will not mark floors.

The Performance TPR Wheel is resistant to chemicals, acids, bases, alcohols, salts and steam. This attractive wheel accommodates a large number of industries and a limitless number of applications such as hospitals, schools, restaurants, factories, warehouses and shop floors.

The Performance TPR Wheel tread material can be made to various durometers. The RWM Performance Wheel is made to 40 Shore D. This harness provides all of the benefits of a soft rubber wheel while additionally providing the lowest breakaway force and minimal force to pull results. Performance Wheels are extremely resilient and easily rolls over debris and uneven surfaces.

These wheels are becoming very popular in institutional, food service, retail display and all types of industrial and manufacturing environments. Performance wheels are available in both flat and round treads. The flat tread provides maximum load surface while the round tread provides easy turning.

40 Shore D Durometer

Temperature Range: -45 to +120° Fahrenheit continuous, 180° Fahrenheit intermittent

Pinnacle Glass Filled Nylon Wheels (PN)



Pinnacle Wheels

Pinnacle Glass Filled Nylon Wheels are ultra-tough thermoplastic non-marking wheels that are extremely durable and deflect floor debris with very high impact resistance.

Pinnacle Glass Filled Nylon Wheels roll easily and are able to handle high load capacities requiring far less force to roll than other hard tread wheels. This very economical nylon wheel is resistant to water, most chemicals, solvents, salts and steam cleaning. Pinnacle Nylon Wheels are available with roller bearings, iolite, celcon or plain bores and are standard black in color.

85 Shore D Durometer

Temperature Range: -40 to +350° Fahrenheit

Pneumatic Wheels (FN)



FNR-1648-20

RWM Pneumatic wheels offer optimum floor protection and move freely over obstructions and rough floors. Pneumatic wheels provide smooth, shock resistant operation for delicate instruments and breakable components. Pneumatic Wheels can be used for both indoor and outdoor applications where product protection is required. They are

excellent for use on carts and platform trucks for industrial commercial and institutional applications requiring a cushioned ride. Pneumatic wheels are great for carrying electronics, sound and lighting equipment, glass, ceramics, chemicals, fragile retail goods and as an all around good wheel on general duty carts for almost all light and medium duty applications.

Pneumatic Wheels are great for use on carts traveling on uneven floors and capable of rolling on different terrain such as cement, asphalt, dirt, gravel, rock or grass. Common wheels used on equipment like luggage carts, hand trucks, dollies, generators, compressors, pressure washers, diagnostic equipment, tool boxes, and a great variety of lawn and garden equipment, like snow blowers, tillers, fertilizers, lawn mowers and wheelbarrows.

The two main downsides of pneumatic wheels are their size and the fact that they can be punctured and go flat. Pneumatic wheels can be filled with foam to stop them from going flat. This is an additional cost, however, and increases the weight of the wheel. The standard color is black and they can mark floors.

Polyolefin Wheels (PO)



POR 0820-12

Polyolefin wheels are an excellent low cost wheel. Polyolefin is a very durable plastic material. It has superior resistance to water and chemicals. It has better abrasion resistance than hard rubber and a remarkable ability to withstand impact. Polyolefin wheels can be used in a wide range of applications including bakeries,

meat processing and packaging, dairies, food processing, laundries, supermarkets, offices, warehousing and manufacturing.

Most sizes of polyolefin wheels have a slightly crowned tread offering excellent rollability and maneuverability. Various sizes, bores and bearings are available for our polyolefin wheels. Our standard color is black, but it can be ordered in white.

Soft Rubber Wheels (SR)



SRO-3512-06

RWM Soft Rubber Wheels are a good choice for those applications where the average load is light with occasional loads using the full capacity of the wheel. Soft Rubber Wheels are manufactured of quality materials with a resilient rubber tread bonded to the hard rubber core. These rubber wheels are

an economical choice for moving equipment.

Soft Rubber Wheels offer floor protection but can leave black marks on floors. Soft Rubber Wheels wear on rough surfaces and can become brittle if left outdoors, exposed to the elements. Economical in smaller sizes, soft rubber wheels become more expensive in larger sizes, especially when premium rubber material is used.

Temperature Range: -40 to +120° Fahrenheit

Torus Wheel™ (UA)



UAB-0621-08-80A

The Torus Wheel™ is an exceptional wheel for continuous towline applications. It was developed specifically for automotive manufacturing assembly lines. RWM's premium PTMEG urethane is both chemically and mechanically bonded to a strong aluminum core. This prevents tread separation and ensures maximum service life especially in demanding continuous use applications.

The Torus Wheel™ has an aluminum core that provides a lightweight, long-lasting attractive alternative to cast iron.

(Torus Wheel™ continued) This wheel offers excellent floor protection, noise reduction and is able to roll over small debris.

80 and 92 Shore A Durometer

Temperature Range: -40 to +180° Fahrenheit

Available with Sealed Precision Ball Bearing Only

Urethane on Polypropylene Wheels (UP)



UPR-0820-19



UPR-0520-19

Urethane on Polypropylene Wheels are very popular, attractive, lightweight and extremely durable wheels used in countless applications. The combination of both materials provides for a long lasting, longwearing wheel that is impervious to water (including salt water), resistant to oils, grease, most solvents and chemicals. These polyurethane wheels are typically used in commercial, industrial and food service applications.

The polyurethane tread is non-marking and offers a quiet ride, floor protection and excellent capacity ratings. These polyurethane wheels have a slight crown so that they maneuver very well. They are used in large numbers in the retail industry, shopping carts, platform trucks, etc. and can be washed down offering excellent sanitary applications. The polyurethane is mechanically bonded to a high-density polypropylene core. This mechanical bond eliminates bond separation in wet or submerged conditions. These polyurethane wheels provide a smooth ride over rough surfaces.

95 Shore A Durometer

Temperature Range: -40 to +175° Fahrenheit

V-Groove Wheels (VF and VI)



VFT-1040-20

RWM V-Groove Wheels are high strength cast iron (VI) castings or forged steel (VF) forgings machined with a 90° groove for operation on an inverted angle iron track. These wheels are used to control the flow of a load, i.e., into an oven, between machines, over long distances or where "production line" sequence is required.

Care must be made to assure the inverted angle iron track is parallel to ensure smooth and constant tracking. In some cases it may be advisable to run inverted angle iron on one side with V-Groove wheels and flat bar stock steel on the other side with a flat faced cast iron or forged steel wheel.

Temperature Range: -50 to +800° Fahrenheit