

# **HAMILTON**

100 YEARS OF EXCELLENCE

CASTERS & WHEELS

TRUCKS & TRAILERS

CUSTOM PRODUCTS

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PLATINUM

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**Experience www.HamiltonCaster.com...** and you may never look back at this catalog again! Feedback received from distributors, customers, and competitors alike claim... "it's the best in the industry". Our corporate website is database-driven and tied directly into our enterprise software that runs our business. So as we make enhancements to our products, the website automatically updates. Also, there's more product data and specifications published on our website than we could fit in this catalog. Here are four easy steps to help you navigate...

### Step 1: Caster, Wheel, or Truck?

Pick from one of our three main categories to discover a powerful index page providing a comprehensive overview of the series offered in that category...



### Step 2: Select the Series...

As you mouse over each series name, the images and specs change to highlight the series' features and benefits. Click the series that best suits your requirements...



### Step 3: Select the Model...

Read the series overview then scroll down to the series selection table to select the specific model number. Each model number is an actual link to the Part Details page...

Model	Series	Material	Load Capacity	Wheel Diameter	Wheel Material	Truck Type	Part No.
1000	1000	Steel	1000	2.00	PU	Standard	1000
1000	1000	Steel	1000	2.00	PU	Standard	1000
1000	1000	Steel	1000	2.00	PU	Standard	1000
1000	1000	Steel	1000	2.00	PU	Standard	1000
1000	1000	Steel	1000	2.00	PU	Standard	1000

### Step 4: Get Part Details...

Once you click on the model number, you'll gain access to the Part Details page providing additional specifications, part options, & a link to the series' 3-D Model Library. Now you're ready to roll...



### Additional Website Features...

- Photo Gallery of Custom Engineered Trucks & Trailers

### For Distributors...

- Co-Branded Website – Hamilton's complete web-based product line is available for co-branding and promotion.
- New Electronic Pricing Tool – no more printed list price books!!... Now quote your customer faster, the new tool finds your Hamilton models fast and calculates your list and discount for you.
- Access Orders, Shipments, and Invoices realtime!

*Distributors: Contact factory to take advantage now!*

### Access Hamilton 2-D & 3-D Models...

Register and select from a large variety of native and neutral CAD formats including AutoCAD®, Unigraphics®, SolidWorks®, Solid-Edge®, Catia®, Pro-E®, IDEAS® and many more. The library is free of charge and maintained by our off-site provider, PartSolutions®.



### Ranked #1 in Product Quality

Many companies tout their products and services as "the best". But we feel our customer evaluations are more meaningful. Two market perception studies sponsored by *New Equipment Digest* and *Industrial Equipment News* measured the markets perceptual understanding of the following factors:

- Quality/Reliability
- Delivery/Timeliness
- Rep's Technical Knowledge
- Competitive Pricing
- Back-up/Support



Hamilton outscored the other major caster manufacturers in every single category. These results are not our opinions; rather they reflect sentiments of customers like you.

### Three Year Product Warranty

Hamilton Caster has a lot of confidence in the quality and endurance of its casters and wheels. We're so confident that we are proud to offer an industry-leading three year product warranty on most forged steel casters and industrial wheels. This guarantees the original purchaser of select Hamilton products a three year limited warranty from the date of original invoice against manufacturer defects in materials and workmanship under normal use.

This three-year warranty covers all Hamilton casters in the following series with Forged Steel, Metal, *Duralast®*, *Duralast® XC*, *Poly-Soft®*, *Superlast® XC*, *Ultralast™*, and *Super Ultralast™* wheels equipped with either precision ball bearings or precision tapered bearings: *MD, MDD, EPSD, SEC, EHD, CH, HS2, EHD2, ES, FM, EHS, HS, WH, EC*. All model numbers covered by this new warranty are identified in this catalog with the superscript '3YR'. Those select casters and wheels covered under the warranty shown to be unserviceable due to defects in materials or workmanship within three years from date of purchase will be repaired or replaced, at the option of the manufacturer, without charge for materials or labor (excludes cost of freight to and from the Hamilton Caster manufacturing facility).



### Lifetime Warranty

**All Integrally Forged Kingpins:** Hamilton Caster guarantees the original purchaser of Hamilton's Forged Steel casters a lifetime warranty against the kingpin bending, breaking, or failing. All integrally forged swivel casters with kingpins shown to be bent, broken, or failed due to defects in materials or workmanship over the life of the caster will be replaced without charge for materials or labor (excludes cost of freight to and from the Hamilton Caster manufacturing facility.)



### Warranty

**All Other Standard Products:** Any Hamilton product that exhibits a defect in materials or workmanship within a period of one year from date of purchase will be repaired or replaced, at our option, free of charge. However, the defect must be promptly reported to the factory or selling dealer, and prior authorization must be obtained from the factory before returning or re-working product. Warranty does not apply in cases of overload, misapplication, accident, abuse, normal wear-and-tear, damage in transit, or unusual operating conditions (such as temperature extremes) about which we are not consulted in advance. Hamilton products are not intended for human conveyances or amusement rides. In all cases our liability shall be limited to the factory invoice cost of the product.

#### Exclusions

All warranties above exclude damage resulting from product misuse or abuse, improper installation, impairments from accidents, product modifications, product neglect or acts of God. Damage incurred due to shipping and handling does not constitute a defect under these warranties. Warranties do not include costs of removal, installation, labor, inconvenience or consequential damages.

#### Repairs/Replacements Under This Warranty

In the unlikely event that the Hamilton Caster's warranted product should prove defective during the warranty period, Original purchaser must contact Hamilton Caster Customer Support for a return material authorization (RMA) at 1-800-733-7655 or 513-863-3300. Products returned for repair/replacement must be securely packed to prevent damage and shipped charges pre-paid along with proof of purchase and the return material authorization number. Within a reasonable amount of time from its receipt of your product so shipped, Hamilton will ship to you, at its option, the repaired product or a new or reconditioned product of comparable or greater specified functionality. All repaired or replacement products shall be warranted for the remainder of the original product warranty.

#### Disclaimer

Hamilton Caster makes no other express or implied warranty with respect to the product other than the limited warranties set forth above. No Hamilton Caster & Mfg. Co. Dealer, Agent, or Employee is authorized to make any modification, extension, or addition to these warranties. Unless enforceable or unlawful under applicable law, Hamilton Caster disclaims all implied warranties of merchantability, noninfringement, and fitness for a particular purpose, and the liability of Hamilton Caster & Mfg. Co. If any damages relating to any allegedly defective product shall under any tort, contract, or other legal theory be limited to the actual price paid for such product and shall in no event include incidental, consequential, special, or indirect damages of any kind even if Hamilton Caster & Mfg. Co. is aware of the possibility of such damages. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

### HPI™ Swivel Technology

With this catalog, we introduce an exciting new swivel technology – Hamilton Precision Integrated or HPI™ on many of our forged steel caster series. This new technology represents Hamilton's next generation swivel technology and out performs conventional CNC-machined ball raceways, kingpinless, and unit load bearing swivel constructions. The new design improves the bearing's element of contact and more than doubles the number of contact points. The new HPI™ raceways are also 45% harder than conventional hardened raceways and the surface finish is an incredibly smooth 16 micro inches.

Many of our popular forged steel caster series have been upgraded and HPI™ is now standard equipment on the MD, MDD, EHD, & ES Series and the New EPSD and EHS Series. Most of our other standard series can be upgraded to HPI™ as an option.



### Same Day PRONTO®

At Hamilton we understand that fast delivery is critical. Way back in 1967 the leaders of Hamilton Caster recognized just how critical and the PRONTO® Quick Ship Program was born. Now more than 40 years later, Hamilton's PRONTO® Service is unrivaled in the industry.



WHEN USING THIS CATALOG LOOK FOR THIS SYMBOL: ★ = available PRONTO®.

PRONTO® – your assurance of SAME-DAY service on casters and wheels, and 2-3 day service on trucks-all for no extra charge.

For those caster and wheel orders phoned, faxed, or e-mailed by 12:00 noon EST, we pledge to ship your order the same day!

As you browse this catalog, you'll notice the proliferation of a red star ★. This PRONTO® Symbol identifies one of thousands of PRONTO® models we stock for you (so you don't have to) our pledge to ship either SAME-DAY, if ordered before noon EST, or otherwise next day service - all for no extra charge! The choice of an optional accessory, or a non-PRONTO® superstructure or size, may remove an item from PRONTO® shipment. Wheels offering a wide variety of bearing and bore sizes are available PRONTO® only with the size noted in red. Because the purpose is to serve the maximum numbers of customers, PRONTO® Service does not apply to extra large quantity orders. There is no extra charge for PRONTO® shipment, but this service cannot be maintained on orders mixing PRONTO® and non-PRONTO® items.

**Guaranteed Priority Service:** Sometimes circumstances require an even higher level of service. For mission critical or emergency situations, you should request our extra cost PRIORITY Service that guarantees an accelerated ship date for non-stock extended delivery items. PRIORITY Service essentially expedites your order to the front of the production line and we guarantee your order with a firm ship date based on an accelerated schedule. (Though we cannot guarantee the freight carrier's performance, we will use agreed upon routing.

To obtain guaranteed PRIORITY Service, you must obtain a commitment from one of Hamilton's inside sales persons and arrange the agreed upon ship date. Since this priority service is guaranteed, if we fail to ship as promised, we'll contact you to be sure the order is still firm and that no routing change is desired. We will then ship as directed without charging the extra fee.

### 100 Years of Excellence

"There's no substitute for experience -- ours, or yours". Thus reads a Hamilton advertising slogan expressing how experience benefits the customer. Hamilton's fourth-generation family owned and managed enterprise is well balanced to leverage its long history of designing and manufacturing casters, wheels, and floor trucks. Today's customers benefit in very real ways from the improvements in design such as new swivel technology with HPI™, discovering new polyurethane materials found in the new Ultralast™, and implementing processes such as Lean Manufacturing to optimize the velocity of our customers' value stream. Today's generation of Hamilton leaders are committed to staying focused, nimble, and current as we pursue our next 100 years.



### Hamilton and the Environment

Environmental protection is a priority for the conservation of precious natural resources and the continued health of our planet. Hamilton Caster recognizes its responsibility as a U.S. based manufacturer and is continually striving to reduce the environmental impact of the work we do and the products we create.

Hamilton has chosen to use low volatile organic compound (VOC) enamels to finish the majority of our product which have minimal environmental impact as compared to zinc plating that most of our competitors use on the majority of their caster rigs. To minimize the environmental impact, Hamilton believes zinc plating should be offered only when the application requires it and not carte blanche.

Furthermore, more than 95% of the waste generated in producing our product is recycled. Whether it be our steel chips being recycled to make more steel or our wood chips being used as beds for the local horse farms, we are committed to keeping our products and our activities environmentally sound.



**“Put It on Wheels and Keep It Moving”** ...is one of our company's oldest mottos and retains as much meaning now as ever. As the oldest and most basic tool of material handling, the wheel still holds the key to productivity improvement in hosts of applications. And thanks to its modest cost and flexibility, it remains the most popular and most affordable answer to all kinds of handling problems. Consider just a few of the benefits provided by castered equipment:

- **Increased productivity and profits.** Non-productive handling time is slashed and in-process materials are kept “on the move”—without major capital outlays.
- **Improved space utilization.** Like manpower, space is an expense that must be utilized efficiently. Castered equipment goes anywhere... forward or backward... even up or down in some stacking systems.
- **Safer working conditions.** Properly designed castered equipment is readily controlled, reducing hazards often associated with make-shift handling or even with certain highly engineered systems.
- **Flexibility.** Castered equipment surpasses the most expensive “fixed” systems in its ability to adapt to changing production methods, product mix, or even a complete change of plans or location.
- **Load protection.** By preventing unnecessary rehandling, and by keeping goods from being dragged or abused by the wrong kind of powered equipment, castered equipment can lessen the incidence of damage.

## SELECTING THE RIGHT CASTER

If providing flexible-path mobility is what non-powered equipment does so well, it's important to select the casters and wheels that will do your job best. In this way you can be sure of getting top performance without excessive investment.

Wheels and casters are offered in a variety of types and sizes—not to confuse you, but because differences in applications can create big differences in what will perform best. And equally important, selecting the right wheel or caster will save money in the long run by heading off downtime, excessive maintenance costs, and premature replacement. For original equipment manufacturers, it can mean the difference between enhancing the mobility and life of a product... or inviting complaints with every sale.

## FACTORS TO CONSIDER

The following pages will describe what's available in different types of wheels and bearings, and their characteristics. But in order to know what to look for in the convenient charts and nomenclature presented there, you first need to ask certain questions about the application, such as:

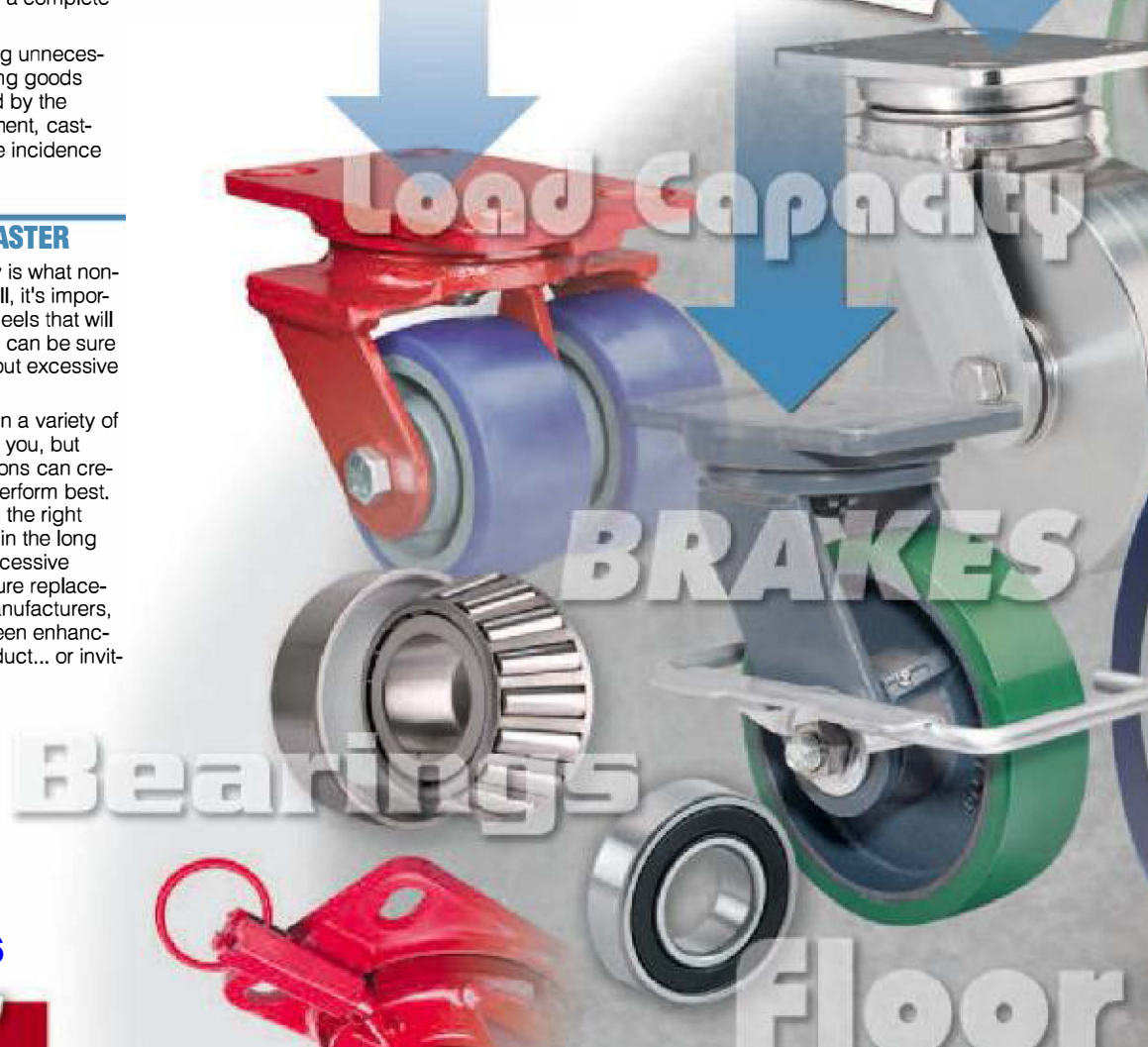
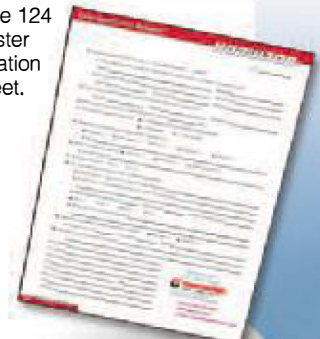
**Capacity:** What will the maximum load be? Don't forget the weight of the vehicle itself! Does the possibility of overload, shock loading, abuse or poor floors call for a safety factor? Capacities shown in this catalog are based on 3 m.p.h. intermittent operation over smooth floors. Because of varying conditions and differing corporate philosophies, capacity ratings may differ from one manufacturer to the other and should never be used in place of specifications for making comparisons. (For example, some makers require reducing their ratings by 50% for power towing, which is not the case with Hamilton's.)

**Floor Conditions:** Are they smooth? Must elevator sills, railroad tracks or dock plates be traversed? Are there chips or harmful substances on the floor? And don't forget about floor protection. In general, resilient wheels are required for rough floors or power-towed equipment—see the wheel selection data on pages 14, 15, 18 & 19.

**Operating Environment:** Is noise a factor? Water, oil, grease, chemicals or temperature extremes present? Special lubricants can be provided by the factory, as well as special bearings or sealed bearings (pg. 12). Frequent movement demands longer-wearing components than occasional movement.

**Rollability:** If loads are to be pushed manually, select the largest practical wheel diameter, anti-friction bearings, and the kind of wheel that will start and roll easiest over the surface in question. On smooth floors, the harder the tread the easier it will roll. Conversely, soft tread wheels—desirable for rough floors, outdoor use, or for cushioning loads—can be difficult to push manually under heavy loads.

See page 124 for a Caster Specification Worksheet.



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8 *Platinum Edition*

### ACCESSORIES

Casters can often be made safer, more versatile, or more efficient for specific uses by equipping them with optional accessories. Catalog pages 12, 13, and 20 show swivel locks, wheel brakes, swivel assembly seals, wheel bearing seals, and thread guards. Key-way machining of wheels is covered on page 13. Floor truck locks are shown on page 91.

### SPECIAL LUBRICANTS

Swivel and wheel bearings are normally pre-lubricated at the factory with a good multi-purpose grease. Special lubricants are available at slight extra cost for unusual operating or environmental conditions such as high heat or sub-zero temperatures, moisture or humidity, solvents or chemicals. Special bearing types and/or seals may also be advisable in such applications (see pages 12 and 13).

### FINISH

Most medium and light duty casters have zinc plated finish, as listed in the specifications for each series. Standard finish on unplated casters is Hamilton Red or Machine Gray enamel. Cast iron wheels and our moldon black rubber wheel centers are Hamilton Red whereas our cast iron poly urethane centers are distinguished by Machine Gray. Our drop forged steel wheels and many specials are painted with a clearcoat enamel retaining their sharp high luster machined appearance. Caster hardware is zinc plated on all standard models except stainless steel casters.

### SPECIAL FINISHES

Some highly sophisticated processes are available today that can improve the following caster or wheel properties:

- Wear resistance
- Surface hardness
- Lubricity
- Abrasion resistance
- Corrosion resistance

Stainless steel casters (see catalog pages 48, 54 & 55) may or may not be the best answer. For some applications a carbon steel pad—or even a cast iron one—can be specially treated and protected with a high-tech coating that may solve the problem more economically. Such processes are usually not cost-effective in small quantities, but our engineering department will be happy to advise you.

### MAINTENANCE AND SAFETY TIPS

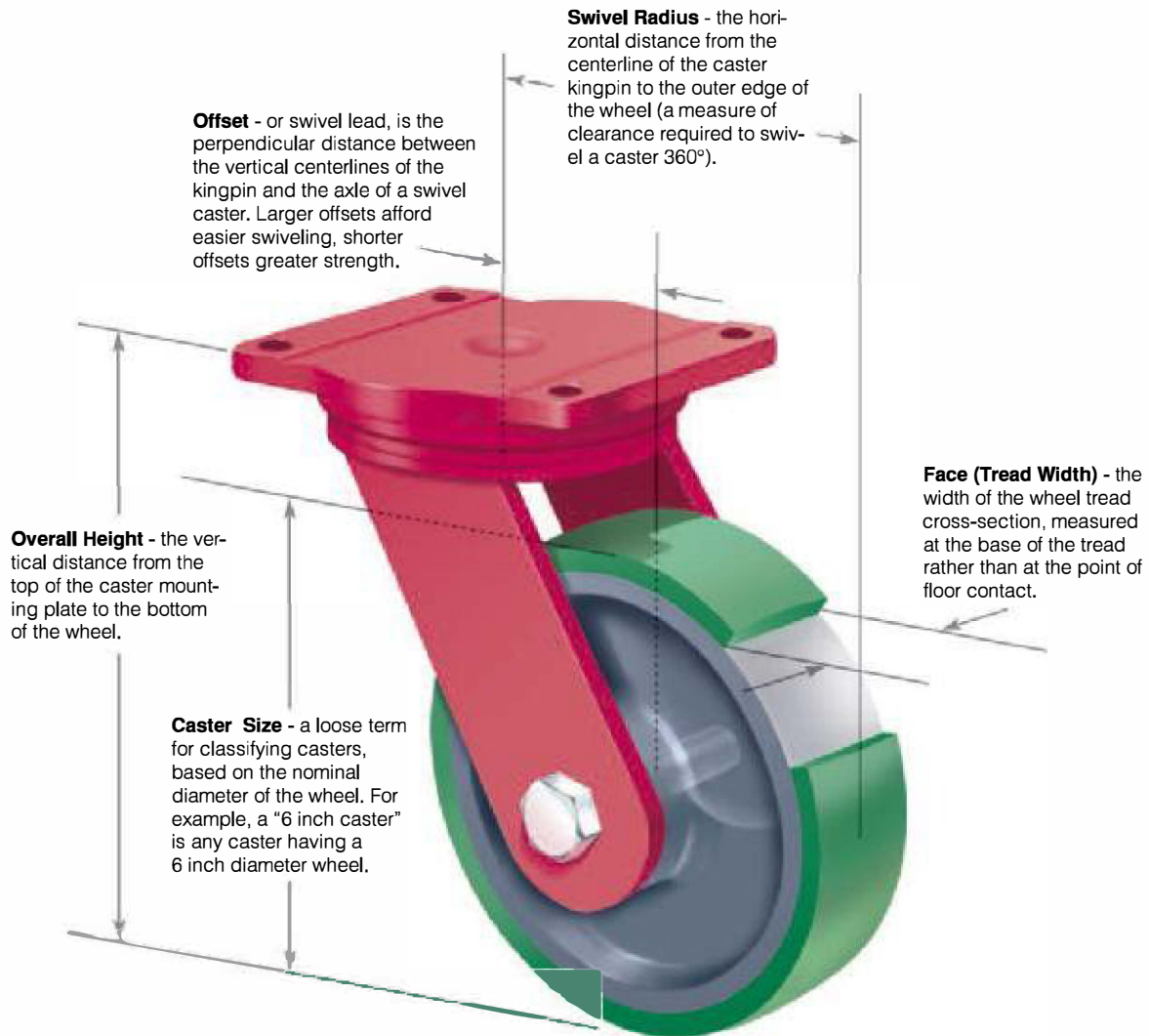
Although Hamilton Casters and Wheels are painstakingly built from quality materials, their continued performance and life depend upon two essential maintenance routines:

- 1) Relubricate on a regular schedule;
- 2) Inspect regularly for loose bolts or nuts, caster damage or misalignment, and worn wheels or bearings.

### REPLACEMENT WHEELS, ETC.

When replacement or repair eventually becomes necessary, Hamilton offers the correct wheels, bearings or parts originally supplied. Included in the caster specification charts in this catalog you will find the catalog number (including bearing size) of the wheel originally installed by the factory. Replacement bearings, axles and spanner bushings as used in Hamilton Casters will be found on page 90.





**Capacity** - the maximum recommended load *per caster or wheel* based on intermittent operation over smooth floors at speeds not exceeding 3 m.p.h., with no shock loading or adverse environmental conditions. (Gross weight should be divided by the number of casters or wheels on which it is distributed.)

**Component Thrust** - designates side forces exerted on a swivel caster and properly counteracted by the secondary load bearing.

**Direct Thrust** - designates those downward forces exerted on a caster by the load, and counteracted by the main load bearing.

**Durometer** - a measure of the hardness of resilient tread wheels.

**Rig** - a swivel or rigid caster assembly less wheel, that may or may not include axle, nut or spanner bushing.

**Raceway** - a surface in which bearing balls or rollers rotate.

**Retaining Washer** - a steel washer pressed into the hub ends of some roller bearing wheels to hold the bearing in place.

**Rollability** - ease of starting and rolling, measured by drawbar pull. This is determined by load, floor conditions, and type and size of wheels and bearings.



**Mounting Plate** - the flat base, usually with four bolt holes, that forms the top of a caster and permits attachment by bolting or welding to a flat surface.

**Main Load Bearing** - the row of steel balls or rollers that swivels the horn base in relation to the mounting plate of a swivel caster, and counteracts direct thrust.

**Secondary Load Bearing (Precision)** - a precision self contained bearing, usually a tapered roller bearing, operating between the horn base and the kingpin of a swivel caster. Constitutes the most efficient means of assisting swivel action by counteracting component thrust.



**Horn** - the caster part which is comprised of legs plus a base (horn base of swivel caster or mounting plate of rigid).

**Yoke** - alternate term for horn.

**Kingpin** - A rivet, or threaded stud or bolt with nut, that holds the mounting plate and horn assembly of a swivel caster together. Forged as an integral part of mounting plate on higher quality casters for maximum rigidity and strength.

**Horn Base** - the flat part at the top of the horn from which the legs extend. Serves as lower raceway for main load bearing, and may provide a seat or upper raceway for secondary load bearing.

**Lubrication Fitting**

**Secondary Load Bearing (Commercial)** - the row of steel balls that rides in the raceway between the horn base and secondary bearing retainer of a swivel caster to counteract component thrust. It is this bearing that characterizes the popular "double ball race" caster.



**Standard Bolt Axle**

**Lube Axle**

**Legs** - the axle-support brackets extending down from the horn base of a swivel caster, or from the mounting plate of a rigid caster.

**Kingpin Nut**

**Axle Nut**

**Precision Ball Bearing & T-Bushing Assembly** - Two bearings are installed, one in each side of the hub. Incorporate steel reinforced rubber seals securely fastened to groove on the ring of both sides of the bearing. T-Bushing either integrated with bearing or separate component strengthens the caster by permitting the legs to be tightened against it.



**Straight Roller Bearing Assembly** - consists of a cage-type roller assembly and outer race with the spanner bushing and two thrust washers.

**Spanner Bushing** - provides smooth inner raceway for the bearing and strengthens the caster by permitting legs to be tightened against it.

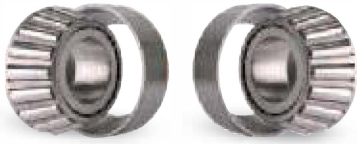
**Thrust Washer** - a steel washer between the hub ends of the wheel and the inside of the caster legs.



**Tapered Roller Bearings**  
Two bearings are installed, one in each side of the hub, consisting of a cup, hardened and ground outer raceway, and cone, roller assembly.



WHEEL BEARINGS



**Precision Tapered Roller Bearings** Ideal for heavy duty and power-towed caster applications because their tapered faces will handle the most severe combination of downward and side forces. Used in various Hamilton swivel assemblies as well as in wheels.

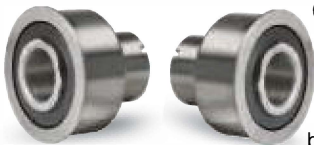
Two bearings are installed per wheel, one in each side of the hub, consisting of a cup (hardened and ground outer raceway) and cone (roller assembly). Tapered bearings extend overall hub length of the wheel itself by approximately 1/4".



**Precision Ball Bearings** Best suited when rollability is important and side thrust is not a critical factor. (Tapered bearings are best suited where side thrust is critical). The bearings are pre-lubricated and sealed at the factory so greasing is not required, reducing maintenance costs. Double-sealed precision ball bearings (shown above) incorporate steel reinforced rubber seals securely fastened to a groove on the ring of both sides of the bearing.

Precision ball bearings now replace straight roller bearings in the majority of our casters' wheels and can be provided optionally on our other wheel types.

Depending on the wheel type and application, we use either the 62 series precision ball bearings with a T-bushing or we use a new precision flange-type ball bearing (shown here). This new bearing designed by Hamilton



engineers is all one piece and works well with our larger wheels.

Shielded stainless steel ball bearings (shown below, right) are used in our stainless steel and solid urethane wheels to prevent rust and improve rollability. On special order, we can supply additional sizes and configurations including flanged, sealed square bores, extended inner raceways, and wide inner raceways with self-locking collars.



**Precision Tapered Roller Bearing Seals (optional)** Available with most casters and wheels that offer 3/4", 1" or 1 1/4" tapered bearings. Most often furnished is a snap-on steel case with a rubber lip that is securely clamped between the cone back face and shaft shoulder. The lip functions to prevent dirt and debris from entering the bearing cavity (suffix **-DS**). For certain 1 1/4" and larger tapered bearings, Hamilton provides a rubber seal and spacer (suffix **-CRS**).

**Straight Roller Bearings**

Traditional anti-friction bearing for industrial equipment. Consists of a cage-type roller assembly, and an outer race that may be separate or integral. (Note: plastic retaining washers or other components may be used unless we are advised of a high-heat application.)



Straight Roller Bearing assembly.

**Straight Roller Bearing Seals (optional)**

Seals to keep grease in, and dirt out, aid bearing life and good housekeeping.



A flexible oil-resistant synthetic rubber lip is bonded to the inner circumference of a retaining washer. One such seal-washer is then press-fit into each end of the wheel hub in place of the standard retaining washer. Furnished at no extra cost if specified on Series SEC, EHD, CH, ES, FM, HS, WH and EC casters; slight extra cost on other caster series or on wheels only. To order, add suffix **-BS** to catalog number.

**Plastic Bearings** For environments detrimental to metal bearings, acetyl resin bearings offer chemical and corrosion resistance. Delrin® (registered DuPont trademark) is a standard offering



in certain wheels, as either a sleeve or flange type bearing. Plastic bearings can be custom machined and installed in most other Hamilton Wheels on request. Note: flange type bearings extend actual hub length of wheel approximately 3/16".

**Oilless Sleeve Bearings**

A sleeve, usually of sintered iron or oil-impregnated bronze, is press-fit into the wheel bore. Lacks the ease of movement anti-friction bearings provide, but practical for light loads or where re-lubrication is a problem. (A light application of oil or graphite improves rollability and extends bearing life.)



**Non-Precision Ball Bearings**

These ball bearings are the unground radial type, intended for only light-to-medium duty service.



**Plain Bore** The term applied to running machine-bored wheels directly on an axle; hence, the absence of a bearing. Suitable for light or seldom moved loads, where ease of starting and rolling is not too important or where price is a dominant factor. Except for roller bearing bores, Hamilton normally machines "plain bore" wheels .003"- .005" oversize for good running fit. Custom tolerance machining is available at extra cost.

**Special Bearings** For most applications, the bearings discussed above work quite effectively. However, there is an occasional requirement for bearings with special features and characteristics.

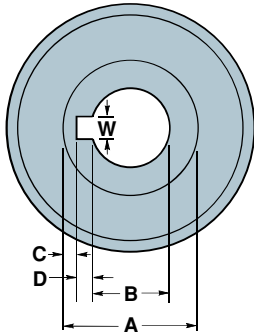
For example, alloy bronze bearings and ferrous alloy bearings are designed for high heat applications. Teflon® impregnated bronze bearings eliminate the need for lubrication and operate effectively in hostile environments. Roller clutch bearings permit a wheel to roll in only one direction and square bearings allow wheels to roll on a square shaft.



Ask for a Product Engineer to help you with any unusual requirements.

### KEYWAYS

Keyways for square keys can be machined on special order in most Hamilton wheels having semi-steel or forged steel hubs, the only limitation being the wall thickness (Dimension **C**) remaining between the bottom of the keyway and the outside of the hub dia. (Dimension **A**). We do not recommend machining keyways in the aluminum-center or Plastex Wheels; also, the hubs of Pneumatic, Semi-Pneumatic, and plastic-hub wheels do not have sufficient thickness for keyways.



When requesting keyways, be sure to specify bore size required (Dimension **B**) and keyway size (Dimension **W** designating width, and **D** designating depth). Should you not wish to specify keyway dimensions, the factory will be glad to recommend the size commonly used for the bore specified. Note that the keyway width will normally be twice the depth, since we are usually machining for square keys. The factory will not accept responsibility for machining keyways where the remaining hub wall (Dimension **C**) will be less than 1/4".

In the case of all-metal wheels, the face should be machined to ensure good concentricity. Resilient tread wheels with keyways will not, of course, provide the degree of concentricity achievable with the fully-machined metal wheel.

Because the use of keyed drive wheels generates more stresses than encountered in free-wheeling caster applications, our normal warranty does not apply. Vulcanized rubber and polyurethane treads are especially prone to shorter life expectancy, so we recommend reducing capacity ratings of these by 50%.

Set screws are also available with keyways. If one set screw is desired it will be placed over the keyway, and if two are desired one will be over the keyway and the other at 90°, unless otherwise specified. We do not supply keys or keyed shafts.

Wheels with keyways are designated by the suffix **-K** after the catalog number.

### THREAD GUARDS



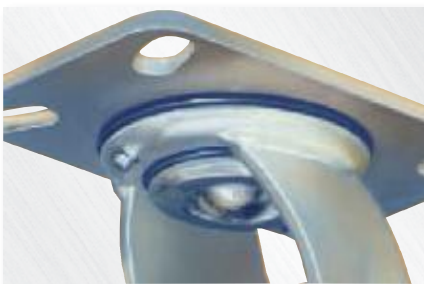
Thread or string guards are fixed discs that fit over the wheel hub to prevent lint, etc. from clogging the axle or bearing. They are always installed in pairs, one on each side of the hub tightened between the spanner bushing and caster legs to prevent rotation. Hamilton offers two series of casters that come standard with thread guards—see pages 56 and 57.

Thread Guards are also available with most types of wheels listed in any series that show them as an optional extra. To order, add suffix **-TG** to caster catalog number. (Lube type axles and drilled spanner bushings are always required when thread guards are specified with roller bearing wheels).

### SEALED SWIVEL ASSEMBLIES



For very dusty and dirty environments, consider seals for the caster swivel assemblies. Most of our forged steel caster series can be sealed by fitting a seal around the horn base (shown in above photo) and using integrally sealed secondary bearings.



And for the majority of our cold forged casters, the main and secondary swivel bearing raceways can also be ordered with seals (shown in photo above). Seals can be ordered by adding the suffix **-SS** to the caster catalog number. Unfortunately, sealed swivels are not available in conjunction with the swivel lock option. Refer to Optional Accessories on specific product pages to learn availability.

### SWIVEL LOCKS

Provides fingertip conversion of swivel caster to rigid caster for straight line steering control. Springloaded plunger housed beneath caster mounting plate positively engages slots milled in the swivel horn base. When retracted, the plunger sits in a vertical notch in the housing to hold it clear of the swivel horn.



Available with 4-positions at 90° intervals (to order, add suffix **-4SL** to Hamilton number); or 2-positions at a 180° interval for steering in fore-and-aft direction only (to order add suffix **-2SL** to Hamilton number). To assure long lasting trouble-free performance, the majority of our forged steel heavy duty casters use 4 position and 2 position swivel locks that are robotically welded housings and integrate with CNC-milled slots. For our kingpinless-style and cold forged casters, we use a field installable lock. The locks can be furnished with Hamilton swivel casters as follows:

**2-Position Welded-** Series MD, MDD, EPSD, EHD, CH, ES, FM (8" only), HS, EHS, WH, STA, 7000, 7100, 7200, 7500, 8000 (#8008/8010), and Dual Wheel MDD, EHD, or HS. Consult factory for pricing and availability.



**4-Position Welded-** Series MD, MDD, EPSD, EHD, CH, ES, FM (8" only), HS, EHS, WH, WHS, 7000, 7100, 7200, 7500, 8000 (various models), 4000 (#4208 only), and Dual-Wheel MDD, EHD2, or HS2.

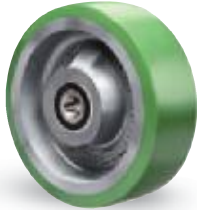


### 4-Position Field Installable

Exclusively designed for Series SEC, EC, 62, 52 and WW.

Many 4-position swivel locks (both welded and field installable) are available for same day/next day **PRONTO®** shipment. Refer to Optional Accessories on specific product pages to learn **PRONTO®** status.

**POLYURETHANE WHEELS** -carries higher capacities than rubber, outwears rubber, floor protective and quiet in operation.



**Series D—Duralast®**  
Hamilton's classic liquid cast 95A polyurethane tread chemically bonded to heavy duty iron center. Outwears rubber 5-10 times and rolls easier under heavy loads. Page 75.



**NEW**

**Series D70—Duralast® XC**  
"XC" for eXtra Capacity – a harder (70D) liquid cast polyurethane to provide 30% more capacity and better rollability compared to classic Duralast®. Page 74.



**NEW**

**Series TR—Ultralast™**  
Hamilton's new ultimate urethane, highest performing in rollability, F.O.D. resistance, and minimizing heat buildup - best for continuous operation at high speeds. Pg. 76.



**Series SP—Poly-Soft®**  
Liquid cast 82A polyurethane tread chemically bonded to heavy duty iron center. Tread formula provides quiet operation, excellent rollability, and repels foreign objects & debris (F.O.D.). Page 77.



**Series SY—Superlast®**  
For more severe applications, Hamilton's classic poly with a 1" thick tread and bonded to a super heavy duty drop forged steel center. Pg. 72



**NEW**

**Series SY70—Superlast® XC**  
For more severe applications that require more capacity than Superlast®, the harder (70D) poly 1" thick bonded to the super heavy duty drop forged steel center. Page 74.



**NEW**

**Series STR—Super Ultralast™**  
The new ultimate urethane with a 1" thick tread bonded to the super duty drop forged steel center. Page 76.



**NEW**

**Series SW—Swivel-EAZ®**  
Twin Wheel liquid cast polyurethane on aluminum core reduces rolling resistance and increases capacity – two hardnesses (80A & 90A) available. Page 79.



**Series AY—Polylast™**  
Liquid cast 80A polyurethane donut tread on aluminum core, both mechanical and chemical bond. Highly durable, popular in automotive applications. Page 78.



**Series EHY—Extra Heavy Automotive**  
Polyurethane (½" or 1") is chemically bonded to a heavy duty cast iron solid web center. Meets auto industry specs. Page 78.



**Series UY—Unilast®**  
Solid polyurethane wheel (75-80 Durometer Shore D) provides high mobility and great load bearing qualities. Designed for light to medium duty loads. Page 79.



**Series NF—Poly-Tech®**  
A 90 Durometer polyurethane tire mechanically bonded to polypropylene core results in this attractive and easy rolling wheel. Page 89.

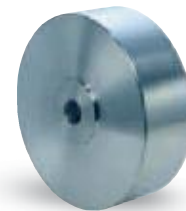
**METAL WHEELS** -consist of three types- forged steel, cast iron, and stainless steel. Can be configured with a flat face or crown tread.



**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 72.



**Series M—Metal**  
Cast iron, sometimes called "semi-steel" because of scrap steel added as alloying element. Also designates sintered iron where indicated. Page 82.



**Series S—Stainless Steel**  
Well suited for high temperature and corrosive applications, this Type 303 stainless steel wheel is available with a smooth CNC-machined finish. Custom sizes available. Page 83.

### 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 Duro-meter standard, but also available "Extra Hard" (90 Durometer) or Neoprene compound. Page 81.



**NEW**  
**Series RA—Black Rubber on Aluminum**  
Solid tire permanently vulcanized to cast aluminum center. Light-weight, less corrosive than cast iron. Neoprene series also available. Page 86.



**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 85.



**NEW**  
**Series SPRT—Heavy Duty Semi-Pneumatic**  
Durable, three-tread tire series capacity up to 4,200 lbs., popular in ground support applications. Page 84.



**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 73.



**Series AT—Ace-Tuf®**  
Puncture-proof cushion rubber tire, bonded to high-impact polypropylene core. Page 85.



**Series PR—Pneumatic**  
Inflatable tube-type or tubeless tire mounted on steel rims provides excellent flotation. Optimum combination of shock absorption and rollability. Page 73.



**Series E/F—Ebonite/Flexonite**  
Solid rubber wheels most popular for lighter applications. *Ebonite*—hard rubber throughout, *Flexonite*—softer tread than core. Page 89.



**Series AR—Vulcalite™**  
A gray non-marking solid tire vulcanized to solid-web aluminum center. Light-weight but with less strength than iron-center moldons. Page 86.



**Series TE—Versa-Tech®**  
Soft non-marking gray rubber tread, 65 Durometer ( $\pm 5$  Shore A), permanently bonded to a polyolefin core produce this lightweight, durable and economical wheel. Page 87.

### PLASTIC WHEELS *Easy rolling, high capacity, economical, chemical resistant and floor protective in intermittent operation.*



**NEW**  
**Series NY—Nylast™**  
Solid cast high performance nylon with MoS<sub>2</sub> additive, resistant to moisture & many chemicals, well suited for high capacity loads in corrosive or sanitary environments. Page 73.



**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 80.



**Series A—Aqualite®**  
"Polyolefin" wheel injection-molded from a blend of polymers that provides water resistance and high impact strength at low cost. Page 88.

### TRACK WHEELS *These wheels create an "instant production line" taking loads off the production floor permitting higher capacities, easier rolling, and controlled flow all at the same time.*



**Series V—V-Grooved**  
Heavy duty industrial track wheels made from forged steel or cast iron. Page 69.



**Series SV—Stainless Steel V-Groove**  
Highest capacity for corrosive and wash down environments, solid stainless steel type 303 with a machined V-groove. Custom sizes available. Page 83.



**Series FT—Flanged Track**  
High capacity single and double flanged track wheels available in cast iron, ductile iron, or forged steel. Page 71.

**FORGED STEEL CASTERS** Hamilton's premium line of hot forged steel casters all backed by Hamilton's three year product warranty. Refer to series selection table for qualifying wheels.

**Maxi-Duty Series MD**  
Cap. to 23,000 lbs.  
Page 22-23




**Maxi-Duty Dual Wheel Series MDD**  
Cap. to 15,600 lbs.  
Page 24-25




**NEW** **Enhanced Precision Super Duty Series EPSD**  
Cap. to 10,000 lbs.  
Page 26-27




**Super Endurance Kingpinless Series SEC**  
Cap. to 6,000 lbs.  
Page 28-29




**Extra Heavy Duty Series EHD**  
Cap. to 5,000 lbs.  
Page 30-31




**Champion Series CH**  
Cap. to 4,000 lbs.  
Page 32-33




**Extended Service Series ES**  
Cap. to 2,400 lbs.  
Page 36-37




**ForgeMaster Series FM**  
Cap. to 2,200 lbs.  
Page 38-39

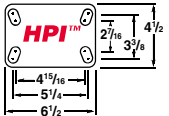



**Endurance Kingpinless Style Series EC**  
Cap. to 3,000 lbs.  
Page 42-43


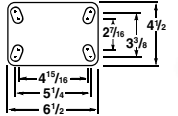



See page listed above for plate dimensions.

**NEW** **Enhanced Heavy Service Series EHS**  
Cap. to 2,000 lbs.  
Page 36-37

**Heavy Service Series HS**  
Cap. to 2,000 lbs.  
Page 44-45

**Workhorse Series WH**  
Cap. to 2,000 lbs.  
Page 46-47




**FORGED STEEL PNEUMATIC & SEMI-PNEUMATIC CASTERS** -unique combination of rugged forged steel swivel construction with wheels designed to cushion loads

**Cush-N-Aire Series 7000/7100**  
Cap. to 3,700 lbs.  
Page 62-63




See page listed above for plate dimensions.

**Dual Pneumatic Series 7200**  
Cap. to 7,400 lbs.  
Page 64




See page listed above for plate dimensions.

**NEW** **Heavy Duty Ground Support Series 7500**  
Cap. to 4,200 lbs.  
Page 65




See page listed above for plate dimensions.


**Cush-N-Flex Series 8000**  
Cap. to 800 lbs.  
Page 66




See page listed above for plate dimensions.

**SPECIALTY CASTERS** -one of these unusual casters may just be the application solution.

**Forged Steel Dual Wheel Series EHD2/HS2**  
Cap. to 7,000 lbs.  
Page 34-35

See page listed above for plate dimensions.

**Spring Loaded Series SP**  
Cap. to 1,630 lbs.  
Page 40-41




See page listed above for plate dimensions.

**NEW** **Mini-Mite Series MM**  
Cap. to 10,000 lbs.  
Page 27


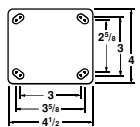

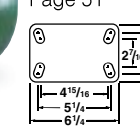

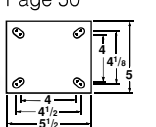

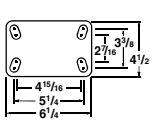

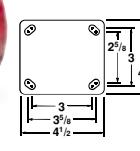

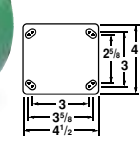

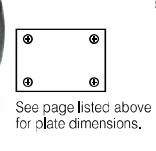

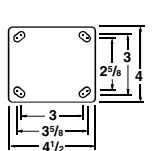



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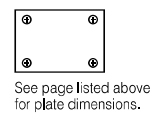

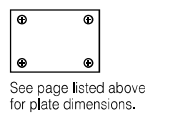
**Upside-Down Series UHD/UHS**  
Cap. to 2,500 lbs.  
Page 91



### MEDIUM DUTY CASTERS - these models are cold forged casters made from stamped metal components and share a double-ball race design with rivet-type kingpins.

 <p><b>Standard Duty Series 52</b> Cap. to 900 lbs. Page 52-53</p> 	 <p><b>General Service Series GS</b> Cap. to 900 lbs. Page 51</p> 	 <p><b>Medium Service Series MS</b> Cap. to 900 lbs. Page 50</p> 	 <p><b>Vanguard Series 62</b> Cap. to 1,500 lbs. Page 49</p> 
 <p><b>Whirlaway Series WW</b> Cap. to 550 lbs. Page 58</p> 	 <p><b>Thread Guard Series TG/TX</b> Cap. to 850 lbs. Page 57</p> 	 <p><b>Cush-N-Tuf Series 4000</b> Cap. to 600 lbs. Page 67</p>  <p>See page listed above for plate dimensions.</p>	 <p><b>Pneumatic Series 5000</b> Cap. to 500 lbs. Page 65</p> 

### TRACK WHEEL CASTERS - flange and v-groove track wheels mounted in caster rigs make it easy to create or convert equipment into an "instant production line".

 <p><b>Flanged Wheel Series R-FT</b> Cap. to 7,500 lbs. Page 70</p>  <p>See page listed above for plate dimensions.</p>	 <p><b>V-Grooved Wheel Series V</b> Cap. to 16,000 lbs. Page 68</p>  <p>See page listed above for plate dimensions.</p>
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### STAINLESS STEEL CASTERS - well suited for severe applications where corrosive environments or sanitary considerations demand having rig and hardware components made from stainless steel.

 <p><b>Stainless Workhorse Series WHS</b> Cap. to 1,600 lbs. Page 48</p> 	 <p><b>Stainless Series STA</b> Cap. to 800 lbs. Page 54</p> 	 <p><b>Stainless Series STL</b> Cap. to 325 lbs. Page 55</p> 
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### LIGHT DUTY CASTERS - popular for light industrial and institutional applications.



 <p><b>Combination Brake Series BC</b> Cap. to 850 lbs. Page 56</p> 	 <p><b>Hi-Lo Series HL</b> Cap. to 400 lbs. Page 59</p> 	 <p><b>Leader Series 200</b> Cap. to 375 lbs. Page 60</p>  <p>See page listed above for plate dimensions.</p>	 <p><b>General Utility Series 300</b> Cap. to 325 lbs. Page 61</p> 
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**Wheel Performance Characteristics<sup>1</sup>**

	Series	Series Abbrev.	Page No.	Capacity (lbs.)	Ease of Rolling <sup>2</sup>	Quiet Operation	Floor Protection <sup>3</sup>	Cushioning (Resilience)	Resistance To:			Light Chemicals
									Impact	Abrasion	Moisture & Water	
<b>Polyurethane</b>	Super Ultralast™	-STR	76	4,200 - 7,200	Highest	Yes	Best	Highest	Med.	Med.	Med.	Med.
	Superlast® XC	-SY70	74	4,400 - 7,800	High	Yes	Good	Med.	High	High	Med.	Med.
	Duralast® XC	-D70	74	975 - 4,550	High	Yes	Good	Med.	Med.	High	Med.	Med.
	Ultralast™	-TR	76	900 - 4,200	Highest	Yes	Best	Highest	Med.	Med.	Med.	Med.
	Superlast®	-SY	72	3,500 - 6,000	Med.	Yes	Good	High	Highest	High	Med.	Med.
	Swivel-EAZ®	-SWF	79	600 - 2,400	High	Yes	Best	High	High	Med.	Med.	Med. High
	Duralast®	-D	75	475 - 9,000	Med.	Yes	Good	Med.	Med.	High	High	Med.
	Poly-Soft®	-SP	77	480 - 2,400	Highest	Yes	Best	High	High	High	Med.	Med.
	Unilast™	-UY	79	500 - 1,500	High	Yes	Good	Low	Med.	Med.	High	High
	Polylast	-AY	78	600 - 1,500	Med.	Yes	Good	Med.	Low	Med.	Med.	Med. High
<b>Rubber-Tired</b>	Poly-Tech®	-NF	89	120 - 1,500	Med.	Yes	Good	Med.	Med.	High	High	High
	HD Semi-Pneumatic	-SPRT	84	1,500 - 4,200	Low	Yes	Good	Highest	Highest	Low	Med.	Low
	Pneumatic	-PR	84	320 - 3,700	Low	Yes	Good	Highest	High	Low	Med.	Low
	Super-Flex™	-SU	85	300 - 1,200	Lowest	Yes	Good	Highest	High	Low	Med.	Low
	Moldon Rubber	-R	81	200 - 3,020 <sup>6</sup>	Low	Yes	Good	High	High	Low	Med. <sup>7</sup>	Low
	Rubber on Aluminum	-RA	86	200 - 1,280	Low	Yes	Good	High	High	Low	Med.	Low
	Vulcalite™	-AR	86	200 - 500	Low	Yes	Best	High	Med.	Low	High <sup>7</sup>	Med.
	Ebonite	-E	89	175 - 650	Med.	No	Fair	Low	Low	Med.	High	Low
	Flexonite	-F	89	120 - 240	Low	Yes	Good	High	Med.	Low	High	Low
	Ace-Tuf®	-AT	85	450 - 850	Low	Yes	Good	High	Med.	Low	High	Low
<b>Plastic</b>	Versa-Tech®	-TE	87	240 - 500	Low	Yes	Best	High	Med.	Low	High <sup>7</sup>	Med.
	Nylast™	-NY	73	2,000 - 6,500	High	Yes	Good	Low	Med.	Med.	High	High <sup>9</sup>
	Plastex	-P	80	250 - 5,000	High	No	Fair	Low	Med.	Med.	Low	Low <sup>9</sup>
	Aqualite®	-A	88	200 - 900	High	No	Fair	Med.	Med.	Med.	High	Highest <sup>9</sup>
<b>Metal</b>	Forged Steel	-FS	72	2,000 - 20,000	Highest	No	Poor	Low	High	Highest	High	Med.
	Metal	-M	82	250 - 7,000	Highest	No	Poor	Low	Low <sup>5</sup>	High	High	Med.
	Stainless Steel	-S	83	500 - 1,500	Highest	No	Poor	Low	Med.	High	High	Highest

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 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  
 3 Extra-hard 90-durometer compound for higher capacity available on special order. 4 Neoprene oil-resistant compound should be specified for oily conditions.

**Forged Steel Caster Specifications**

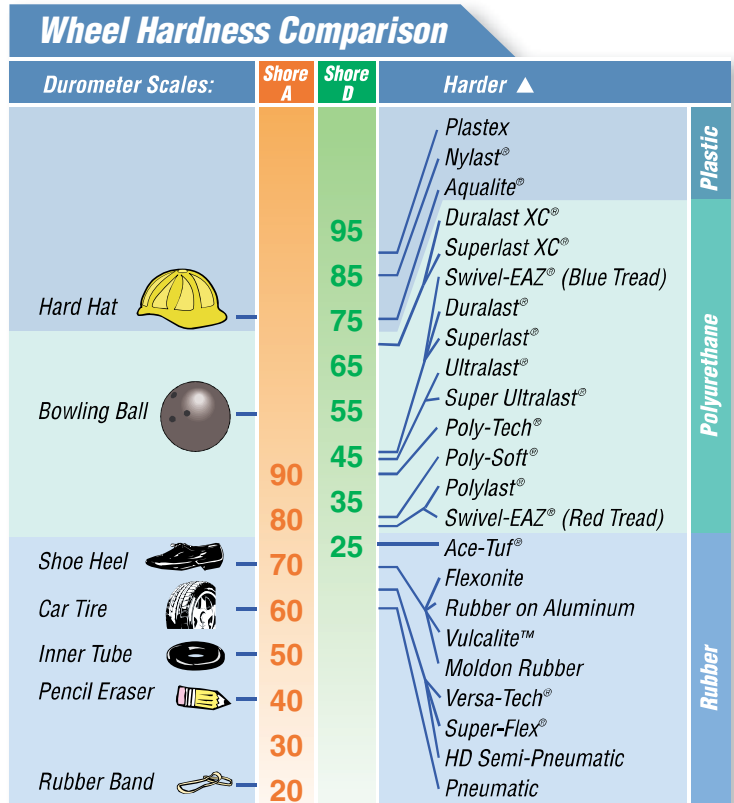
Swivel Construction	Series	Series Abbrev.	Page No.	Capacity (lbs.)	Wheel Dia. (in)	Wheel Width (in)	Wheel Axle (in)	Top Plate (in)	Bolt Hole Pattern (in)	Finish	
	Maxi-Duty	MD	22-23	3,000 - 20,000	6 - 16	3 - 5	1/4	8 1/2 x 8 1/2	7 x 7	Gray Enamel	
	Maxi-Duty Dual	MDD	24-25	5,000 - 20,000	6 - 12	3 & 4	1/4	8 1/2 x 8 1/2	7 x 7	Gray Enamel	
	Enhanced Precision Super Duty	EPSD	26-27	2,000 - 10,000	6 - 12	3 & 4	1	6 1/2 x 7 1/2	4 1/2 x 6 4 1/4 x 6 1/8	Red Enamel	
	Extra Heavy Duty	EHD	30-31	840 - 5,000	6 - 12	2.5 & 3	3/4	6 1/2 x 7 1/2	4 1/4 x 6 1/8	Red Enamel	
	Extended Service	ES	36-37	1,300 - 2,400	6 - 10	2.5 & 3	3/4	4 1/2 x 6 1/2	2 7/16 x 4 15/16 3 3/8 x 5 1/4	Gray Enamel	
	Enhanced Heavy Service	EHS	36-37	600 - 2,000	6 & 8	2	1/2	4 1/2 x 6 1/2	2 7/16 x 4 15/16 3 3/8 x 5 1/4	Red Enamel	
	Champion	CH	32-33	840 - 4,000	6 - 12	2.5 & 3	3/4	5 1/4 x 7 1/4	3 3/8 x 5 1/4 4 1/4 x 6 1/8	Gray Enamel	
	ForgeMaster	FM	38-39	540 - 2,200	6 - 10	2.5 & 3	3/4	4 1/2 x 6 1/2	2 7/16 x 4 15/16 3 3/8 x 5 1/4	Red Enamel	
	<b>Conventional Forged Steel</b>	Heavy Service	HS	44-45	300 - 2,000	3 1/4 - 8	2	1/2	4 1/2 x 6 1/2	2 7/16 x 4 15/16 3 3/8 x 5 1/4	Red Enamel
		Workhorse	WH	46-47	300 - 2,000	3 1/4 - 8	2	1/2	4 x 5	2 5/8 x 3 3 x 3 3/8	Gray Enamel
Dual Wheel EHD/HS		EHD2/HS2	34-35	1,150 - 7,000	3 1/4 - 12	2 & 3	3/4 - 1/2	See pg. 34	See pg. 34	Red Enamel	
Cush-N-Aire		7000/7100	62-63	330 - 3,700	8 - 25	2.8 - 7.5	1/2 - 1 1/4	See pg. 62	See pg. 62	7000 - Red 7100 - Zinc	
	Dual Pneumatic	7200	64	660 - 7,400	8 - 25	2.8 - 7.5	3/4 - 1 1/4	See pg. 63	See pg. 63	Red Enamel	
	HD Ground Support	7500	65	1,500 - 4,200	14 - 21	4 - 6	1 - 1 1/4	See pg. 65	See pg. 65	Red Enamel	
	Cush-N-Flex	8000	66	300 - 800	6 - 12	2 - 2.75	1/2 - 3/4	See pg. 66	See pg. 66	Red Enamel	
	Super Endurance	SEC	28-29	680 - 6,000	6 - 12	3	3/4	5 1/4 x 7 1/4	3 3/8 x 5 1/4 4 1/4 x 6 1/8	Gray Enamel	
	Endurance	EC	42-43	300 - 3,000	4 - 10	2 & 3	1/2 - 3/4	See pg. 43	See pg. 43	Zinc Plate	
	Mini-Mite™	MM	27	10,000	4	3	1	7/4 dia.	3 x 5 15/16	Gray Enamel	



Tread Thickness (Inches)	Center Type	Hardness	Bond	Rebound (%)	Tensile Strength (psi)	Elongation @ Break (%)	Temperature Range <sup>4</sup>	Relative Cost	Series	
1	Forged Steel	93-94A	Chemical	57	6500	550	-50° – 200°	Highest	Super Ultralast™	
1	Forged Steel	70D	Chemical	40	7000	250	-50° – 200°	High	Superlast® XC	
1/2	HD Cast Iron	70D	Chemical	40	7000	250	-50° – 200°	High	Duralast® XC	
1/2	HD Cast Iron	93-95A	Chemical	57	6500	550	-50° – 200°	Highest	Ultralast™	
1	Forged Steel	95A	Chemical	29	7200	430	-50° – 200°	High	Superlast®	
1/2 - 3/4	Aluminum	80A or 94A	Chemical	----	---	---	-50° – 200°	High	SwivelEAZ®	<b>Polyurethane</b>
1/2	HD Cast Iron	95A	Chemical	29	7200	430	-50° – 200°	High	Duralast®	
1/2	HD Cast Iron	82A	Chemical	38	6100	570	-50° – 175°	High	Poly-Soft®	
Solid	Polyurethane	80D	---	---	---	---	-50° – 180°	Med.	Unilast™	
1/2	Aluminum	80A	Chem. & Mech.	---	---	---	-50° – 200°	Med.	Polylast®	
1/2 - 3/4	Polypropylene	90A	Mechanical	---	---	---	-30° – 180°	Med.	Poly-Tech®	
---	Bolted HD Steel Rim	65A	---	50	3500	500	-30° – 120°	Highest	HD Semi-Pneumatic	
---	Bolted Steel Rim	60A	---	---	---	---	-30° – 120°	High	Pneumatic	
1 - 1/2 - 2	Aluminum	65A	Chemical	---	1010	450	-40° – 120°	High	Super-Flex™	
1	HD Cast Iron	70A	Chemical	---	1700	300	-70° – 160°	Med.	Moldon Rubber	
1	HD Aluminum	70A	Chemical	---	1700	300	-70° – 160°	Med.	Rubber on Aluminum	
1	Aluminum	70A	Chemical	---	---	---	-70° – 160°	Med.	Vulcalite™	<b>Rubber-Tired</b>
Solid	Rubber	70D	---	---	---	---	0° – 130°	Low	Ebonite	
Solid	Rubber	70A	---	---	---	---	-40° – 120°	Low	Flexonite	
1 - 1/2 - 2	Polypropylene	75A	Chemical	---	---	---	-40° – 212°	Low	Ace-Tuf®	
1/2 - 3/4	Polypropylene	65A	Mechanical	---	---	---	-40° – 180°	Med.	Versa-Tech®	
Solid	Hi Perf. Nylon	85D	---	---	11,000	30	-30° – 220° <sup>9</sup>	High	Nylast™	
Solid	Phenolic	90D	---	---	6000	---	-50° – 300° <sup>8</sup>	Low	Plastex	<b>Plastic</b>
Solid	Polypropylene	75D	---	---	8000	450	-20° – 200° <sup>9</sup>	Low	Aqualite®	
Solid	Forged Steel	179 (BHN)	---	---	92,000	12	-30° – 600°	High	Forged Steel	
Solid	HD Cast Iron	188 (BHN)	---	---	35,000	24	-30° – 600°	Low	Metal	<b>Metal</b>
Solid	Stainless Steel	201 (BHN)	---	---	75,000	40	-30° – 600°	High	Stainless Steel	

2 On smooth floors without obstructions. 3 Excluding marking or staining (depending on type floor).  
 bearing types will be suitable throughout the ranges given. 5 Steeltest Ductile Alloy or Forged Steel are available for higher impact resistance.  
 8 Not recommended for towline operation unless floor hardened. 9 Special high-temp compound available—consult factory.

3 Year Warranty	HPI	Heat Treated Raceways	Optional Swivel Lock	Optional Swivel Seals?
Yes	Yes	Yes	Welded	Yes
Yes	Yes	Yes	Welded	Yes
Yes	Yes	Yes	Welded	Yes
Yes	Yes	Yes	Welded	Yes
Yes	Yes	Yes	Welded	Yes
Yes	Yes	Yes	Welded	Yes
Yes	No	Optional	Welded	Yes
Yes	Optional	Optional	Welded	Yes
Yes	Optional	Optional	Welded	Yes
Yes	No	Optional	Welded	Yes
Yes	EHD2 - Yes HS2 - Optional	Optional	Welded	EHD2 - No HS2 - Yes
Yes	Select models	Optional	Welded	Yes
Yes	Select models	Optional	Welded	Yes
Yes	Select models	Optional	Welded	Yes
Yes	Select models	Select models	Welded	Yes
Yes	No	Yes	Field Installable	Yes
Yes	No	Yes	Field Installable	No
Yes	No	Yes	Field Installable	Yes





**Maxi-Duty Contact Brake.**† Available on the Maxi-Duty and Dual Wheel Maxi-Duty Casters, this brake is activated by tightening the brake-shoe against the wheel(s). The “thumbscrew” design provides adjustable brake pressure. Add suffix **-HCB** on Series MD, **-DHCB** on Series MDD.



**Dual Tread Contact Brake.**† This brake (suffix **-DCB**) is designed for Series 7200 pneumatic casters. A pull on the lever at the back of the caster forces a non-skid pad against both wheels. Constructed of heavy duty steel components, this brake features an adjusting rod to compensate for tread wear and inflation pressure.



**Foot-Activated Contact Brake.**† This unique brake (suffix **-FCB**) is available on Series 7000, 7100, & 7500 Pneumatic tired (up to 16" models) casters. Pushing down on the T-handle clamps a non-skid pad against the wheel. Easily operated by foot, the brake disengages by flipping the handle in the opposite direction. The brake is constructed of all-steel components and is adjustable.



**Heavy Duty Contact Brake.** This heavy duty face contact brake represents Hamilton's most effective friction-based brake. The **-ZB** brake is made from 3/16" x 2" plate steel with an easy to engage foot pedal with an adjustable thick rubber stop. Unless specified otherwise, the brake is mounted behind the wheel but the factory can mount in front of the wheel for no additional charge. For stainless steel version, add suffix **-SZB**.



**Side Foot Brake.** This husky all-steel wheel brake has been redesigned to be more positive locking and accommodate more caster series. Stepping down on either end of the pedal triggers cam action to lock the wheel but the unique design permits a full length spanner bushing to maintain caster strength. This brake is not available with wheels having tapered bearings. To order, add suffix **-FB**. For stainless steel version, add suffix **-SFB**.



**Rap-A-Round Side Foot Brake.** Engineers started with the standard side foot brake and designed a pedal extension to provide convenient all-around accessibility. This brake, like the standard FB, is not available with wheels having tapered bearings. To order, add suffix **-FRB**.



**Tread Contact Brake.**† Stepping down on the lever forces a non-skid pad against the wheel tread. This brake is offered on Series MS, GS, 52, and WW casters, Thread Guard casters (TG and TX) and various 4000 and 8000 series casters (suffix **-CB**).



**Thumbscrew Wheel Brake.** An effective yet simple brake. Turning the screw forces the thrust washer against the wheel hub, resulting in positive locking of the wheel. Available on most swivel or rigid Hamilton casters. To order, add suffix **-B** (**-HB** for Maxi-Duty casters) to catalog number of desired caster.

† These brakes are most effective on resilient tread wheels, e.g. polyurethane or rubber.



**Toe Brake.** This economical brake activates by pushing down the “toe-size” pedal which pinches the wheel between the caster legs. Available with Series HL and 300 swivel casters models (add suffix **-TB**).



**Combination Brake.** A complete caster series (**Series BC**) is dedicated to this brake type and can be found on page 56. The combination brake is activated by stepping down on the pedal locking both the swivel mechanism and the wheel simultaneously. (For a lighter duty combination brake alternative, refer to the 300 Series and **-LCB** option on pg. 61)



**Stainless Steel Contact Brake.** Available exclusively on the STL Series **-SSCB** on page 55. The frame is solid stainless steel with a nylon pedal impervious to most chemicals and rated up to 421 degrees F. The brake is activated by stepping down on the pedal, locking the wheel in place.

★ - same day/next day **PRONTO®** shipment.

SERIES	PAGE	BRAKE OFFERINGS (SUFFIX)
MD	22	-HCB, -HB
MDD	24	-DHCB
EPSD	26	★-ZB, (not ★ w/tapered bearings), -B
SEC	28	★-FB, ★-FRB (-FB & -FRB not available w/tapered bearings), ★-ZB (not ★ w/tapered bearings), -B
EHD	30	★-FB, ★-FRB (-FB & -FRB not available w/tapered bearings), ★-ZB (not ★ with tapered bearings), -B
CH	28	★-FB, ★-FRB (-FB & -FRB not available w/tapered bearings), ★-ZB (not ★ w/tapered bearings), -B
EHD2	34	-2FB, -2HCB
HS2	35	-2FB
ES	36	★-FB, ★-FRB (-FB & -FRB not available w/tapered bearings), ★-ZB (not ★ w/tapered bearings), -B
EHS	36-37	★-FB, ★-FRB (-FB & -FRB not available w/tapered bearings), ★-ZB (not ★ w/tapered bearings), -B
FM	38	★-FB, ★-FRB (-FB & -FRB not available w/tapered bearings), ★-ZB (not ★ w/tapered bearings), -B
EC	42	★-FB, ★-FRB (-FB & -FRB not available w/tapered bearings), ★-ZB (not ★ w/tapered bearings)
HS	44	★-FB, ★-FRB (-FB & -FRB not available w/tapered bearings & -FRB 4" and larger only) ★-ZB (not ★ w/tapered bearings, 4" and larger only) -B
WH	46	★-FB, ★-FRB (-FB & -FRB not available w/tapered bearings & -FRB 4" and larger only), ★-ZB (not ★ w/tapered bearings, 4" and larger only), -B
WHS	48	★-SFB, -SZB
62	49	★-FB ★-FRB
MS	50	★-FB ★-FRB, ★-CB, -B
GS	51	★-FB (except 3/4"), ★-FRB (except 3/4"), ★-CB (except 3/4"), -B
52	52	★-FB (except 3/4"), ★-FRB (except 3/4"), ★-CB (except 3/4"), -B
STA	54	★-SFB
STL	55	★-SSCB
TG/TX	57	-CB
WW	58	★-FB (except 8"), ★-FRB (except 3/4" & 8" models), -B
HL	59	★-TB (swivels except 3"), ★-B (only 3" swivels)
200	60	-B
300	61	★-TB (plate-type swivels only), ★-LCB (except 3"), ★-B (rigids only)
7000	62	-FCB (8" thru 18" models), ★-FB/★-FRB (8" thru 12" models) -ZB (8" thru 10" models), -B (8" thru 12" models), -HB (16" & 18" models)
7100	63	-FCB (8" thru 18" models), ★-FB/★-FRB (8" thru 12" models) -ZB (14" thru 18" models), -B (8" thru 12" models), -HB (16" & 18" models)
7200	64	-DCB
7500	65	-FCB (14" thru 18" models), -HB (16" & 18" models)
5000	65	★-FB (8" & 10" only)
8000	66	★-CB (#8526/8528) -FB (#8410), ★-ZB (only #8006/8208/8526/8528)
4000	67	-CB (8" wheels)
V	68	See respective caster series

*NOTE: Brakes are not designed to stop moving equipment nor are they intended for use on ramps or inclines.*

The two sample caster numbers on this page illustrate Hamilton's significant, easy-to-understand numbering system.

The numbering system for wheels alone, ordered separately, is even simpler. For example, a #**W-620-DB-1/2** defines a wheel only, size 6" diameter x 2" face, **Duralast®** type, with a 1/2" Precision Ball Bearing.

Similarly, if you see #**W-1235-R-1 1/4-BS**, you will soon know from sight that it specifies a wheel only, size 12" x 3 1/2" moldon rubber type, with a 1 1/4" roller bearing and bearing seals.

Most Hamilton Wheels are made available with a choice of bearing sizes or types to provide broad interchangeability and to meet the wide variety of needs in the marketplace.

Hence it is usually necessary when ordering wheels separately from casters to *suffix the desired bearing size*. But you will rarely need to measure the bearing size of a wheel used in a *Hamilton* caster, because the complete replacement wheel number is given to you in most of the caster charts in this catalog.



Prefix Letter	Series Designation	Type of Wheel (for descriptions, see pages 14-15)	Type of Bearing (for descriptions, see page 12)	Suffix Letter (for descriptions, see page 20)
<b>R</b> —Rigid Caster <b>S</b> —Swivel Caster <b>W</b> —Wheel only <b>WFT</b> —Wheel, flanged track <b>X</b> —Special	See Series Index on page 128.	<b>A</b> —Aqualite® <b>AR</b> —Vulcalite™ <b>AT</b> —Ace-Tuf® <b>AY</b> —Polylast™ <b>D</b> —Duralast® <b>D70</b> —Duralast®XC <b>E</b> —Ebonite <b>F</b> —Flexonite <b>FS</b> —Forged Steel <b>FT</b> —Flanged Track <b>FV</b> —Forged V-Grooved <b>M</b> —Metal ("semi-steel" cast iron) <b>MM</b> —Mini-Mite™ <b>NF</b> —Poly-Tech® <b>NY</b> —Nylast™ <b>P</b> —Plastex <b>POR/POY</b> —Press-On Rubber/Poly-Tired <b>PR</b> —Pneumatic Rubber-Tired <b>R</b> —Moldon Rubber, cast iron center <b>RA</b> —Rubber on Aluminum <b>S</b> —Stainless Steel <b>SD</b> —Steeltest Ductile Alloy <b>SP</b> —Poly-Soft™ <b>SPR</b> —Heavy Duty Semi-Pneumatic <b>STR</b> —Super Ultralast™ <b>SU</b> —Super-Flex™ <b>SW</b> —Swivel-EAZ® <b>SY</b> —Superlast® <b>SY70</b> —Superlast®XC <b>TE</b> —Versa-Tech® <b>TR</b> —Ultralast™ <b>UY</b> —Unilast™ <b>V</b> —V-Grooved <b>X</b> —Special	<b>B</b> —Precision Ball Bearing <b>H</b> —Straight Roller (Hyatt-type) <b>L</b> —Plain Bore <b>O</b> —Oilless Sleeve <b>S</b> —Stainless Steel Ball Bearing <b>T</b> —Precision Tapered <b>X</b> —Special <b>Z</b> —Delrin® or other plastic	<b>4SL</b> —4-Position Swivel Lock <b>B/HB</b> —Wheel Brake, thumbscrew <b>BS</b> —Wheel Bearing Seals (straight roller) <b>CB</b> —Tread Contact Brake <b>DCB</b> —Dual Wheel Tread Contact Brake <b>DHCB</b> —Dual Wheel Heavy-Duty Tread Contact Brake <b>DS</b> —Wheel Bearing Seals (tapered roller) <b>FB</b> —Side Foot Brake <b>FCB</b> —Foot-Activated Tread Contact Brake <b>FRB</b> —Side Foot Brake, Rap-A-Round Option <b>HCB</b> —Heavy-Duty Tread Contact Brake <b>K</b> —Keyway <b>LCB</b> —Light-Duty Combination Brake <b>NO</b> —No Offset (vertical leg swivel) <b>SFB</b> —Stainless Steel Side Foot Brake <b>SSCB</b> —Light-Duty Stainless Steel Tread Contact Brake <b>SS</b> —Swivel Seals <b>SZB</b> —Heavy Duty Stainless Steel Tread Contact Brake <b>TB</b> —Toe Brake <b>TG</b> —Thread Guards <b>X</b> —Special <b>ZB</b> —Heavy Duty Tread Contact Brake

**Precision Maxi-Duty Casters**

...Featuring New HPI™ Swivel Technology



#S-MD-84FST Swivel showing Forged Steel wheel

Move over 10 tons on Hamilton's top-of-the-line *Maxi-Duty Casters*, designed and built for the toughest applications including ship-building, manufactured housing, automotive and aerospace. Long life and dependable service are assured now more than ever with Hamilton's new *HPI™ Swivel Technology*. The new technology is a significant upgrade from conventional ball raceways or unit load bearings and provides an even stronger platform to support Hamilton's three year product warranty. All forged steel wheels are machined with a slight crown to enhance rollability and swiveling.

**QUALITY FEATURES**

**Swivel Construction** – 5/8" thick drop forged steel mounting plate (rigid plate 1/2" thick); 3/8" x 5" plate steel contoured legs are welded inside and outside to forged steel horn base.

**Kingpin** – 1 1/4" diameter integrally forged with mounting plate guaranteed for life, prevents bending or breaking; threaded for 1 1/4" slotted nut secured by roll pin for positive locking.

**Main Load Bearing** – HPI™ thrust bearing with outside diameter of 7 1/2"; raceways hardened to 58-62HRC and ground to surface finish 16 micro inches.

**Secondary Load Bearing** – 1 1/4" precision tapered thrust bearing counteracts radial thrust.

**Axle** – 1 1/4" diameter grade 5 hex head with slotted nut and cotter pin.

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.



The enhanced *Maxi-Duty Series* now features *Hamilton's Precision Integrated HPI™ Swivel Technology*. This new technology outperforms conventional CNC-machined ball raceways, kingpinless, and unit load bearing swivel constructions.

The new design improves the bearing's element of contact and more than doubles the number of contact points. The new *HPI™* raceways are also 45% harder than conventional hardened raceways and the surface finish is an incredibly smooth 16 micro inches.



*Maxi-Duty Rigid* models feature reinforced 3/8" x 5" plate steel legs, continuously welded inside and outside to 1/2" thick mounting plates.

**OPTIONAL ACCESSORIES** more help on page 13



• **Swivel Lock – 4 position (★4SL)**  
–convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.



- **Sealed Swivel Assembly (-SS)**  
–prolongs caster life in harsh environments
- **Wheel Bearing Seals (-DS)**  
–prolong wheel life in harsh environments
- **V-Grooved wheel models**  
–see page 68.
- **Custom Engineering**  
–Hamilton engineers will custom design any caster to meet customer requirements.

**BRAKE CHOICES** for more help, see page 20

-HB



Maxi-Duty Thumb-screw Brake

-HCB



Maxi-Duty Contact Brake

**THREE YEAR WARRANTY**



The *Maxi-Duty Series (MD)* is backed by *Hamilton's Three Year Product Warranty*. Refer to selection table for qualifying wheels.

## Precision Maxi-Duty Casters

...Featuring New HPI™ Swivel Technology



#S-MDD-104SYT - Maxi-Duty Dual caster showing Superlast wheels, see page 24.

### FEATURED WHEEL BEARINGS

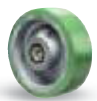


**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications.



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.

### WHEEL CHOICES for more help, see pages 14 & 15



**Duralast®:** 95A poly on iron—our standard urethane



**Duralast® XC:** 70D extra hard poly on iron, higher capacity urethane



**Forged Steel:** highest capacity, tensile strength 75,000 psi



**Nylast™:** high capacity cast nylon, corrosion resistant



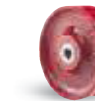
**Superlast®:** 95A 1" thick poly/super duty forged steel center



**Superlast® XC:** 70D extra hard 1" thick poly/ forged steel center— highest capacity urethane



**Super Ultralast™:** 95A 1" thick ultimate premium urethane on super duty forged steel center



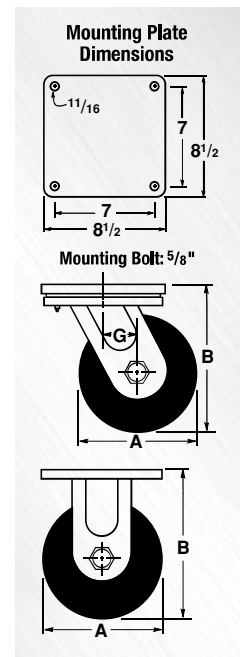
**V-Grooved:** take loads off floor, for production-line flow



★ = same day/next day PRONTO® shipment. MD Series Selection Table 3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Total Ht. B	Swivel Offset G
	Face	Type	Replacement Number	Hamilton No. Tapered/Prec.BB Brgs.	Wt. Lbs.	Hamilton No. Tapered/Prec.BB Brgs.	Wt. Lbs.			
6	3	Forged Steel	W-630-FST-1¼	★ S-MD-63FST 3YR	50	★ R-MD-63FST 3YR	38	12,000	10	2½
		Nylast™±	W-630-NYB-1¼	S-MD-63NYB	46	R-MD-63NYB	29	5400		
		V-Groove	W-630-FVT-1¼	★ S-MD-63FVT 3YR	48	★ R-MD-63FVT 3YR	40	10,000		
8	3	Forged Steel	W-830-FST-1¼	★ S-MD-83FST 3YR	59	★ R-MD-83FST 3YR	43	14,000	11	2½
		Nylast™±	W-830-NYB-1¼	S-MD-83NYB	46	R-MD-83NYB	29	7200		
		Superlast®	W-830-SYT-1¼	★ S-MD-83SYT 3YR	63	★ R-MD-83SYT 3YR	47	3500		
	Super Ultralast™	W-830-STRT-1¼	S-MD-83STRT 3YR	63	R-MD-83STRT 3YR	47	4200			
	Superlast XC®	W-830-SYT70-1¼	S-MD-83SYT70 3YR	63	R-MD-83SYT70 3YR	47	4500			
	4	Forged Steel	W-840-FST-1¼	★ S-MD-84FST 3YR	75	★ R-MD-84FST 3YR	59	17,000		
V-Groove		W-840-FVT-1¼	★ S-MD-84FVT 3YR	70	★ R-MD-84FVT 3YR	56	15,000			
10		3	Forged Steel	W-1030-FST-1¼	★ S-MD-103FST 3YR	65	★ R-MD-103FST 3YR	50	6500	13
	Forged Steel		W-1040-FST-1¼	★ S-MD-104FST 3YR	85	★ R-MD-104FST 3YR	70	18,000		
	Superlast®		W-1040-SYT-1¼	★ S-MD-104SYT 3YR	85	★ R-MD-104SYT 3YR	70	5000		
	Super Ultralast™	W-1040-STRT-1¼	S-MD-104STRT 3YR	85	R-MD-104STRT 3YR	70	6000			
	Superlast XC®	W-1040-SYT70-1¼	S-MD-104SYT70 3YR	85	R-MD-104SYT70 3YR	70	6500			
	V-Groove	W-1040-FVT-1¼	★ S-MD-104FVT 3YR	78	★ R-MD-104FVT 3YR	64	16,000			
12	5	Duralast®	W-1050-DT-1¼	S-MD-105DT 3YR	88	R-MD-105DT 3YR	73	5000	15½	3¾
		Duralast XC®	W-1050-DT70-1¼	S-MD-105DT70 3YR	88	R-MD-105DT70 3YR	73	6500		
	4	Superlast®	W-1240-SYT-1¼	★ S-MD-124SYT 3YR	104	★ R-MD-124SYT 3YR	94	6000		
		Super Ultralast™	W-1240-STRT-1¼	S-MD-124STRT 3YR	104	R-MD-124STRT 3YR	94	7200		
		Superlast XC®	W-1240-SYT70-1¼	S-MD-124SYT70 3YR	104	R-MD-124SYT70 3YR	94	7800		
	5	Steel	W-1240-FST-1¼	S-MD-124FST 3YR	174	R-MD-124FST 3YR	164	23,000		
		Duralast®	W-1251-DT-1¼	S-MD-125DT 3YR	101	R-MD-125DT 3YR	91	6200		
		Duralast XC®	W-1251-DT70-1¼	S-MD-125DT70 3YR	101	R-MD-125DT70 3YR	91	8000		
		16	4	Duralast®	W-1640-DT-1¼	S-MD-164DT 3YR	114	R-MD-164DT 3YR		
Duralast XC®	W-1640-DT70-1¼			S-MD-164DT70 3YR	114	R-MD-164DT70 3YR	104	7000		
5	Duralast®		W-1650-DT-1¼	S-MD-165DT 3YR	125	R-MD-165DT 3YR	115	7700		
	Duralast XC®	W-1650-DT70-1¼	S-MD-165DT70 3YR	125	R-MD-165DT70 3YR	115	10,000			

± Straight-sided wheel.



## Maxi-Duty Dual Wheel Casters

...Featuring New HPI™ Swivel Technology



#S-MDD-104SYT  
Swivel showing  
Superlast® wheels

This dual-wheel series version of the *Maxi-Duty Caster* addresses the problem of how to restrict overall height while at the same time provide adequate carrying capacity on resilient tread wheels. *Dual-Wheel Casters* also improve stability and swivel more easily than wider-face single wheels because differential action reduces the "scrubbing" effect of soft treads against the floors. The series still touts its "precision" feature indicating that both the secondary thrust bearing and the main load bearing are precision-made, and yet the new *HPI™ Swivel Technology* is now a standard feature in this dual wheel series providing smoother swiveling and longer life.

For dual wheel casters in use with lighter duty applications, see page 34.

### OPTIONAL ACCESSORIES *more help on page 13*



- **Swivel Lock– 4 position (-4SL)**  
–convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.



- **Sealed Swivel Assembly (-SS)**  
–prolongs caster life in harsh environments
- **Wheel Bearing Seals (-DS)**  
–prolong wheel life in harsh environments
- **Custom Engineering**  
–Hamilton engineers will custom design any caster to meet customer requirements.

### QUALITY FEATURES

**Swivel Construction** – 5/8" thick drop forged steel mounting plate (rigid plate 1/2" thick); outer legs 3/8" x 5" plate steel continuously welded inside and outside to forged steel horn base (center leg 3/8" x 2").

**Kingpin** – 1/4" dia. integrally forged with mounting plate guaranteed for life, prevents bending or breaking; threaded for 1/4" slotted nut secured by roll pin for positive locking.

**Main Load Bearing** – *HPI™* thrust bearing with outside diameter of 7 1/2"; raceways hardened to 58-62HRC and ground to surface finish 16 micro inches.

**Secondary Load Bearing** – 1/4" precision tapered thrust bearing counteracts radial thrust.

**Axle** – 1/4" diameter grade 5 hex head with slotted nut and cotter pin.

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.



The enhanced *Maxi-Duty Dual Wheel Series* now features *Hamilton's Precision Integrated HPI™ Swivel Technology*. This new technology outperforms conventional CNC-machined ball raceways, kingpinless, and unit load bearing swivel constructions.

The new design improves the bearing's element of contact and more than doubles the number of contact points. The new *HPI™* raceways are also 45% harder than conventional hardened raceways and the surface finish is an incredibly smooth 16 micro inches.

### BRAKE CHOICE *for more help, see page 20*

-DHCB



Maxi-Duty Dual Contact Brake



### THREE YEAR WARRANTY



The *Maxi-Duty Dual Series (MDD)* is backed by *Hamilton's Three Year Product Warranty*. Refer to selection table for qualifying wheels.

## Maxi-Duty Dual Wheel Casters ...Featuring New HPI™ Swivel Technology



#R-MDD-83DB70 Rigid showing Duralast® XC Polyurethane wheels.

### FEATURED WHEEL BEARINGS



**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications.



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Straight Roller Bearing (H):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

### WHEEL CHOICES for more help, see pages 14 & 15



**Duralast®:** 95A poly on iron – our standard urethane



**Duralast® XC:** 70D poly on iron – extra capacity, harder urethane



**Nylast™:** high capacity cast nylon, corrosion resistant



**Superlast®:** 95A 1" thick poly/super duty forged steel center



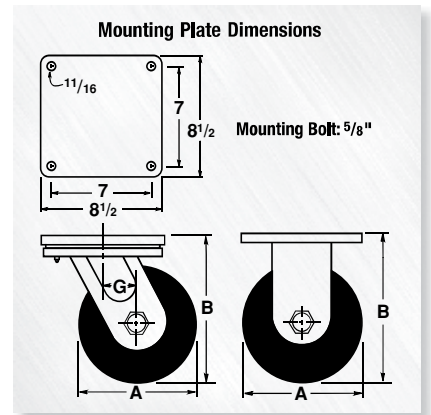
**Superlast® XC:** 70D extra hard 1" thick poly/ forged steel center – highest capacity urethane



**Super Ultralast™:** 95A 1" thick ultimate premium urethane on super duty forged steel center



**Ultralast™:** 95A – the ultimate premium urethane, outperforms all other urethanes



★ = same day/next day PRONTO® shipment.

### MDD Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Total Ht. B	Swivel Offset G
	Face	Type	Replacement Number*	Hamilton No.† Prec. BB/Roller	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No.† Prec. BB/Roller	Hamilton No. Tapered Brgs.	Wt. Lbs.			
6	3	Nylast™‡	W-630-NYB-1¼	S-MDD-63NYB	X	58	R-MDD-63NYB	X	36	10800	10	2½
8	3	Duralast®	W-830-DT-1¼	★ S-MDD-83DH 3YR	★ S-MDD-83DT 3YR	76	★ R-MDD-83DH 3YR	★ R-MDD-83DT 3YR	64	5000	11	2½
		Duralast XC®	W-830-DT70-1¼	X	S-MDD-83DT70 3YR	76	X	R-MDD-83DT70 3YR	64	6500		
		Nylast™‡	W-830-NYB-1¼	S-MDD-83NYB	X	64	R-MDD-83NYB	X	42	14400		
		Superlast®	W-830-SYT-1¼	X	★ S-MDD-83SYT 3YR	99	X	★ R-MDD-83SYT 3YR	87	7000		
		Superlast XC®	W-830-SYT70-1¼	X	S-MDD-83SYT70 3YR	99	X	R-MDD-83SYT70 3YR	87	9100		
		Super Ultralast™	W-830-STRT-1¼	X	S-MDD-83STRT 3YR	99	X	R-MDD-83STRT 3YR	87	8400		
10	3	Duralast®	W-1030-DT-1¼	S-MDD-13DH 3YR	S-MDD-13DT 3YR	85	R-MDD-13DH 3YR	R-MDD-13DT 3YR	73	6000	13	3
		Duralast XC®	W-1030-DT70-1¼	X	S-MDD-13DT70 3YR	85	X	R-MDD-13DT70 3YR	73	7800		
		Ultralast™	W-1030-TRT-1¼	X	S-MDD-13TRT 3YR	85	X	R-MDD-13TRT 3YR	73	7200		
		Superlast®	W-1040-SYT-1¼	X	★ S-MDD-104SYT 3YR	138	X	★ R-MDD-104SYT 3YR	123	10000		
		Superlast XC®	W-1040-SYT70-1¼	X	S-MDD-104SYT70 3YR	138	X	R-MDD-104SYT70 3YR	123	13000		
		Super Ultralast™	W-1040-STRT-1¼	X	S-MDD-104STRT 3YR	138	X	R-MDD-104STRT 3YR	123	12000		
12	3	Duralast®	W-1230-DT-1¼	S-MDD-12DH 3YR	S-MDD-12DT 3YR	125	R-MDD-12DH 3YR	R-MDD-12DT 3YR	115	7000	15½	3¼
		Duralast XC®	W-1230-DT70-1¼	X	S-MDD-12DT70 3YR	115	X	R-MDD-12DT70 3YR	115	9100		
		Ultralast™	W-1230-TRT-1¼	X	S-MDD-12TRT 3YR	125	X	R-MDD-12TRT 3YR	115	8400		
		Duralast®	W-1240-DT-1¼	X	S-MDD-124DT 3YR	135	X	R-MDD-124DT 3YR	125	9600		
		Superlast®	W-1240-SYT-1¼	X	★ S-MDD-124SYT 3YR	213	X	★ R-MDD-124SYT 3YR	159	12000		
		Superlast XC®	W-1240-SYT70-1¼	X	S-MDD-124SYT70 3YR	213	X	R-MDD-124SYT70 3YR	159	15600		
12	4	Superlast®	W-1240-SYT-1¼	X	★ S-MDD-124SYT 3YR	213	X	★ R-MDD-124SYT 3YR	159	12000	15½	3¼
		Superlast XC®	W-1240-SYT70-1¼	X	S-MDD-124SYT70 3YR	213	X	R-MDD-124SYT70 3YR	159	15600		
12	4	Superlast®	W-1240-SYT-1¼	X	★ S-MDD-124SYT 3YR	213	X	★ R-MDD-124SYT 3YR	159	12000	15½	3¼
		Superlast XC®	W-1240-SYT70-1¼	X	S-MDD-124SYT70 3YR	213	X	R-MDD-124SYT70 3YR	159	15600		

\* With Tapered roller bearings. For catalog number of corresponding precision ball or straight roller bearing wheels, consult factory.

† Hamilton Nos ending in B = Prec. Ball Bearing, H = Straight Roller Bearing, T = Tapered Roller Bearing.

‡ Straight-sided wheel.

**Enhanced Precision Super Duty Casters**

...Featuring New HPI™ Swivel Technology



#S-EPSD-84FST Swivel showing Forged Steel wheel

The Enhanced Precision Super Duty (EPSD) Series is all new – new tooling, new dies, new swivel technology! The new EPSD Series is a handsome caster with good proportions and balance. The series is a significant upgrade from the PSD Series it replaces and is better positioned to outperform in applications suited between our Maxi-Duty (MD) and Extra Heavy Duty (EHD) Series.

The unit load bearing has been replaced with new HPI™ Swivel Technology that has been proven superior to designs with unit load bearings. The new EPSD also features a slightly larger top plate with slotted holes to accommodate the former PSD Series bolt pattern and adds an additional bolt pattern popular in the industry.

**QUALITY FEATURES**

**Swivel Construction** – ½" thick drop forged steel mounting plate; ¾" x 4" plate steel legs robotically welded inside and out to forged steel horn base.

**Kingpin** – 1" diameter integrally forged with mounting plate and threaded for adjustable slotted nut and cotter pin.

**Main Load Bearing** – HPI™ thrust bearing with outside diameter of 5½"; raceways hardened to 58-62HRC and ground to surface finish 16 micro inches.

**Secondary Load Bearing** – 1" precision tapered thrust bearing counteracts radial thrust.

**Axle** – 1" dia. grade 5 hex head with lock nut.

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheels with tapered roller bearings.



The new Enhanced Precision Super Duty Series features Hamilton's Precision Integrated HPI™ Swivel Technology. This new technology outperforms conventional CNC-machined ball raceways, kingpinless, and unit load bearing swivel constructions.

The new design improves the bearing's element of contact and more than doubles the number of contact points. The new HPI™ raceways are also 45% harder than conventional hardened raceways and the surface finish is an incredibly smooth 16 micro inches.



#R-EPSD-83NYB Rigid showing new Nylast™ wheel.

**OPTIONAL ACCESSORIES** more help on page 13



- **Swivel Lock– 4 position (-4SL)**  
–convert swivel to rigid for straight line steering



- **Sealed Swivel Assembly (-SS)**  
–prolongs caster life in harsh environments

- **Wheel Bearing Seals (-DS)**  
–prolong wheel life in harsh environments

- **V-Grooved wheel models**

- **Custom Engineering**  
–Hamilton engineers will custom design any caster to meet customer requirements.

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications.

**BRAKE CHOICES** for more help, see page 20

★-ZB



Heavy Duty Contact Brake [not ★ with tapered bearings]

-B



Thumbscrew Brake



**WHEEL CHOICES** for more help, see pages 14 & 15



**Duralast® XC:** 70D extra hard poly on iron, higher capacity urethane



**Forged Steel:** highest capacity, tensile strength 75,000 psi



**Nylast™:** high capacity cast nylon, corrosion resistant



**Superlast®:** 95A 1" thick poly/super duty forged steel center



**Superlast® XC:** 70D extra hard 1" thick poly/forged steel center – highest capacity urethane



**Super Ulralast™:** 95A 1" thick ultimate premium urethane on super duty forged steel center



**Ulralast™:** 95A—the ultimate premium urethane, outperforms all other urethanes



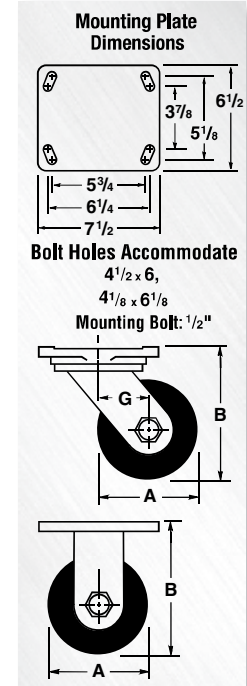
★ = same day/next day PRONTO® shipment.

### EPSD Selection Table

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Total Hght. B	Swivel Offset G
	Face	Type	Replacement Number	Hamilton No. Tapered / Prec.BB	Wt. Lbs.	Hamilton No. Tapered / Prec.BB.	Wt. Lbs.			
6	3	Duralast®	W-630-DB-1	S-EPSP-63DB	36	R-EPSP-63DB	29	2200	8½	2½
		Duralast® XC	W-630-DB70-1	S-EPSP-63DB70	36	R-EPSP-63DB70	28	2860		
		Forged Steel	W-830-FST-1¼	★S-EPSP-63FST	45	★R-EPSP-63FST	37	10,000		
		Nylast™‡	W-630-NYB-1	S-EPSP-63NYB	33	R-EPSP-63NYB	25	6000		
		Ultrast™	W-630-TRB-1	S-EPSP-63TRB	36	R-EPSP-63TRB	29	2600		
8	3	Duralast®	W-830-DB-1	S-EPSP-83DB	44	R-EPSP-83DB	36	2500	10½	2½
		Duralast® XC	W-830-DB70-1	S-EPSP-83DB70	44	R-EPSP-83DB70	36	3250		
		Forged Steel	W-830-FST-1¼	★S-EPSP-83FST	48	★R-EPSP-83FST	40	10,000		
		Nylast™‡	W-830-NYB-1	S-EPSP-83NYB	34	R-EPSP-83NYB	26	6500		
		Superlast®	W-830-SYT-1¼	★S-EPSP-83SYT	51	★R-EPSP-83SYT	43	3500		
	4	Superlast®XC	W-830-SYT70-1¼	S-EPSP-83SYT70	51	R-EPSP-83SYT70	43	4550		
		Super Ultrast™	W-830-STRB-1	S-EPSP-83STRB	51	R-EPSP-83STRB	43	4200		
		Ultrast™	W-830-TRB-1	S-EPSP-83TRB	44	R-EPSP-83TRB	36	3000		
		Duralast®	W-840-DT-1¼	S-EPSP-84DT	46	R-EPSP-84DT	38	3200		
		Forged Steel	W-840-FST-1¼	S-EPSP-84FST	64	R-EPSP-84FST	56	10,000		
10	3	Duralast®	W-1030-DT-1¼	S-EPSP-13DT	54	R-EPSP-13DT	46	3000	12½	2½
		Duralast® XC	W-1030-DT70-1¼	S-EPSP-13DT70	54	R-EPSP-13DT70	46	3900		
		Forged Steel	W-1030-FST-1¼	S-EPSP-13FST	59	R-EPSP-13FST	51	6500		
	4	Ultrast™	W-1030-TRT-1¼	S-EPSP-13TRT	54	R-EPSP-13TRT	46	3600		
		Forged Steel	W-1040-FST-1¼	★S-EPSP-104FST	80	★R-EPSP-104FST	72	10,000		
		Superlast®	W-1040-SYT-1¼	★S-EPSP-104SYT	74	★R-EPSP-104SYT	66	5000		
		Superlast®XC	W-1040-SYT70-1¼	S-EPSP-104SYT70	74	R-EPSP-104SYT70	66	6500		
Super Ultrast™	W-1040-STRT-1¼	S-EPSP-104STRT	74	R-EPSP-104STRT	66	6000				
12	4	Forged Steel	W-1240-FST-1¼	S-EPSP-124FST	156	R-EPSP-124FST	149	10,000		
		Superlast®	W-1240-SYT-T-1¼	S-EPSP-124SYT	92	R-EPSP-124SYT	85	6000		
		Superlast®XC	W-1240-SYT70-1¼	S-EPSP-124SYT70	92	R-EPSP-124SYT70	85	7800		
		Super Ultrast™	W-1240-STRT-1¼	S-EPSP-124STRT	92	R-EPSP-124STRT	85	7200		

‡ Straight-sided wheel.



## Mini-Mite™ Caster

### QUALITY FEATURES

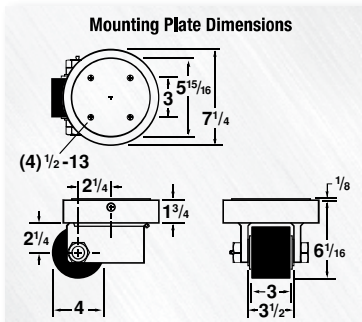
**Swivel Construction** – Kingpinless-design 7¼" outside diameter outer ring base with CNC-machined 6" diameter hardened raceway and polished steel balls.

**Axle** – 1" diameter grade 5 lube axle.

**Wheel Bearings** – (2) 1" needle thrust bearings and (2) 1" needle roller bearings.

**Lubrication Fitting** – Ball-check type in swivel assembly.

Hamilton is proud to introduce the new Mini-Mite caster for those applications that demand an extremely low overall height and an incredibly high capacity. Each Mini-Mite caster stands only 6" tall and supports up to 10,000 lbs. Hamilton engineers accomplished this feat using kingpinless swivel construction with an immense 6" diameter raceway. The raceways are CNC-machined and hardened to handle the extra capacity. The caster wheel is a 4" x 3" wide 1045 steel roller and inside are four bearings: (2) needle thrust and (2) needle roller. The outside diameter of the ring is 7¼" and there are four ½-13 holes for mounting 3" x 3" wide. The rig and wheel are painted battleship gray enamel.



### MM Selection Table

Dia. A	Wheel			Swivel Caster		Load Cap. Lbs.	Swivel Radius
	Face	Type	Replacement Number	Hamilton Model No.	Wt. Lbs.		
4	3	Forged Steel	W-430-FSX-1	S-MM-43FS	37	10,000	2½

**Super Endurance™ Kingpinless-Style Casters**



#S-SEC-83SYT Swivel showing Superlast® wheel



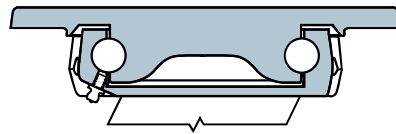
#R-SEC-83DB Rigid showing Duralast® Wheel.

The *Super Endurance™* Series casters represent the “best of breed” in kingpinless-style design for extra heavy-duty applications. The *Super Endurance™* represents a beefed up version of our standard *Endurance™* Series found on pages 42-43. Like the standard *Endurance™* Series, the top plate and inner raceway are formed from one piece, providing a superior raceway for shock conditions. Once formed, the raceways are CNC-machined and then hardened to ensure a uniform depth in hardness of the swivel raceway. The hardening and the CNC-machining together produce an excellent swiveling caster under extreme loads.

All *Super Endurance™* Series casters are finished in gray enamel and come standard with a choice of twelve different wheel types. Bearing selections include double sealed precision ball bearings, precision tapered bearings, or straight roller bearings.

**QUALITY FEATURES**

**Swivel Construction** – forged steel top plate and fork base; 3/8" x 3" plate steel legs welded inside and outside to forged steel horn base.



**Load Bearing** – 35/8" diameter hardened and CNC-machined raceway with 5/8" balls.

**Axle** – 3/4" diameter hex head with lock nut.

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.

**THREE YEAR WARRANTY**



The *Super Endurance Series (SEC)* is backed by Hamilton's Three Year Product Warranty. Refer to selection table for qualifying wheels.

**OPTIONAL ACCESSORIES** *more help on page 13*



- **Swivel Lock – Field Installable**  
– convert swivel to rigid for straight line steering



- **Sealed Swivel Assembly (-SS)**  
–prolongs caster life in harsh environments
- **Wheel Bearing Seals (-BS)**  
–prolong wheel life in harsh environments
- **Custom Engineering**  
–Hamilton engineers will custom design any caster to meet customer requirements.

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications.



**Straight Roller Bearing (H):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

**BRAKE CHOICES** *for more help, see page 20*

★-FB



Side Foot Brake  
[N/A with tapered bearings]

★-FRB



Rap-A-Round Foot Brake  
[N/A with tapered bearings]

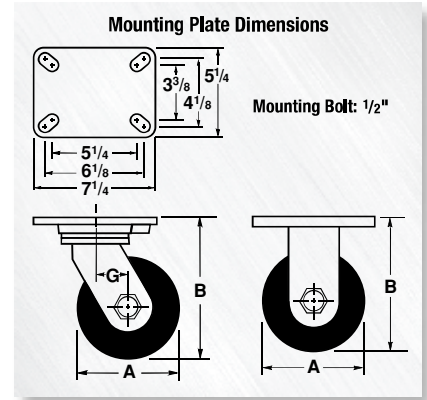
★-ZB



Heavy Duty Contact Brake  
[not ★ with tapered bearings]

**WHEEL CHOICES** for more help, see pages 14 & 15

 <b>Duralast®:</b> 95A poly on iron – cur standard urethane	 <b>Duralast® XC:</b> 70D extra hard poly on iron, higher capacity urethane	 <b>Forged Steel:</b> highest capacity, tensile strength 75,000 psi	 <b>Metal:</b> cast iron, heavy duty design
 <b>Nylast™:</b> high capacity cast nylon, corrosion resistant	 <b>Plastex:</b> phenolic, low cost, high capacity	 <b>Poly-Soft®:</b> 85A softer poly on iron – quieter, easy rolling, debris resistant urethane	 <b>Moldon Rubber:</b> 1" thick 70D rubber, tensile strength exceeds 1,000 psi
 <b>Superlast®:</b> 95A 1" thick poly/super duty forged steel center	 <b>Superlast® XC:</b> 70D extra hard 1" thick poly/forged steel center – highest capacity urethane	 <b>Super Ultralast™:</b> 95A 1" thick ultimate premium urethane on super duty forged steel center	 <b>Ultralast™:</b> 95A –the ultimate premium urethane, outperforms all other urethanes



★ = same day/next day PRONTO® shipment.

**SEC Series Selection Table**

3YR = 3 Year Warranty applies

Dia. A	Face	Wheel		Swivel Caster			Rigid Caster			Load Cap. Lbs.	Total Ht. B	Swivel Offset G
		Type	Replacement Number	Hamilton No.† Prec. BB/Roller	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No.† Prec. BB/Roller	Hamilton No. Tapered Brgs.	Wt. Lbs.			
6	3	Duralast®	W-630-DB-¾	★ S-SEC-63DB 3YR	★ S-SEC-63DT 3YR	25	★ R-SEC-63DB 3YR	★ R-SEC-63DT 3YR	21	2200	8	2½
		Duralast XC®	W-630-DB70-¾	★ S-SEC-63DB70 3YR	S-SEC-63DT70 3YR	25	★ R-SEC-63DB70 3YR	R-SEC-63DT70 3YR	21	2860		
		Forged Steel	W-630-FSB-¾	★ S-SEC-63FSB 3YR	★ S-SEC-63FST 3YR	33	★ R-SEC-63FSB 3YR	★ R-SEC-63FST 3YR	29	6000		
		Metal	W-630-MB-¾	★ S-SEC-63MB 3YR	S-SEC-63MT 3YR	25	★ R-SEC-63MB 3YR	R-SEC-63MT 3YR	21	2500		
		Nylast™±	W-630-NYB-¾	★ S-SEC-63NYB 3YR	X	22	★ R-SEC-63NYB 3YR	X	15	5400		
		Plastex‡	W-630-P-1	★ S-SEC-63PH 3YR	S-SEC-63PT 3YR	21	★ R-SEC-63PH 3YR	R-SEC-63PT 3YR	17	2000		
		Poly-Soft®	W-630-SPB-¾	★ S-SEC-63SPB 3YR	S-SEC-63SPT 3YR	25	★ R-SEC-63SPB 3YR	R-SEC-63SPT 3YR	21	1800		
		M.O. Rubber	W-630-R-1	★ S-SEC-63RH 3YR	S-SEC-63RT 3YR	25	★ R-SEC-63RH 3YR	R-SEC-63RT 3YR	21	680		
8	3	Ultralast™	W-630-TRB-¾	★ S-SEC-63TRB 3YR	S-SEC-63TRT 3YR	30	★ R-SEC-63TRB 3YR	R-SEC-63TRT 3YR	24	2600	10½	2¼
		Duralast®	W-830-DB-¾	★ S-SEC-83DB 3YR	★ S-SEC-83DT 3YR	31	★ R-SEC-83DB 3YR	★ R-SEC-83DT 3YR	27	2500		
		Duralast XC®	W-830-DB70-¾	★ S-SEC-83DB70 3YR	S-SEC-83DT70 3YR	36	★ R-SEC-83DB70 3YR	R-SEC-83DT70 3YR	30	3250		
		Forged Steel	W-830-FSB-¾	★ S-SEC-83FSB 3YR	★ S-SEC-83FST 3YR	34	★ R-SEC-83FSB 3YR	★ R-SEC-83FST 3YR	30	6000		
		Metal	W-830-MB-¾	★ S-SEC-83MB 3YR	S-SEC-83MT 3YR	32	★ R-SEC-83MB 3YR	R-SEC-83MT 3YR	28	2600		
		Nylast™±	W-830-NYB-¾	★ S-SEC-83NYB 3YR	X	26	★ R-SEC-83NYB 3YR	X	19	6000		
		Plastex‡	W-830-P-1	★ S-SEC-83PH 3YR	S-SEC-83PT 3YR	23	★ R-SEC-83PH 3YR	R-SEC-83PT 3YR	19	3000		
		Poly-Soft®	W-830-SPB-¾	★ S-SEC-83SPB 3YR	S-SEC-83SPT 3YR	31	★ R-SEC-83SPB 3YR	R-SEC-83SPT 3YR	27	2000		
		M.O. Rubber	W-830-R-1	★ S-SEC-83RH 3YR	S-SEC-83RT 3YR	30	★ R-SEC-83RH 3YR	R-SEC-83RT 3YR	26	840		
		Superlast®	W-830-SYH-1	★ S-SEC-83SYH 3YR	★ S-SEC-83SYT 3YR	40	★ R-SEC-83SYH 3YR	★ R-SEC-83SYT 3YR	36	3500		
10	3	Duralast XC®	W-830-SYB70-¾	★ S-SEC-83SYB70 3YR	S-SEC-83SYT70 3YR	40	R-SEC-83SYB70 3YR	R-SEC-83SYT70 3YR	36	4500	12½	2¾
		Super Ultralast™	W-830-STRB-¾	S-SEC-83STRB 3YR	S-SEC-83STRT 3YR	40	R-SEC-83STRB 3YR	R-SEC-83STRT 3YR	36	4200		
		Ultralast™	W-830-TRB-¾	★ S-SEC-83TRB 3YR	S-SEC-83TRT 3YR	31	★ R-SEC-83TRB 3YR	R-SEC-83TRT 3YR	27	3000		
		Duralast®	W-1030-DB-¾	★ S-SEC-13DB 3YR	★ S-SEC-13DT 3YR	35	★ R-SEC-13DB 3YR	★ R-SEC-13DT 3YR	31	3000		
		Duralast XC®	W-1030-DB70-¾	★ S-SEC-13DB70 3YR	S-SEC-13DT70 3YR	35	★ R-SEC-13DB70 3YR	R-SEC-13DT70 3YR	31	3900		
		Forged Steel	W-1030-FSB-¾	★ S-SEC-13FSB 3YR	★ S-SEC-13FST 3YR	42	★ R-SEC-13FSB 3YR	★ R-SEC-13FST 3YR	38	6000		
		Metal	W-1030-M-1	★ S-SEC-13MH 3YR	S-SEC-13MT 3YR	34	★ R-SEC-13MH 3YR	R-SEC-13MT 3YR	30	2600		
		Plastex‡	W-1030-P-1	★ S-SEC-13PH 3YR	S-SEC-13PT 3YR	30	★ R-SEC-13PH 3YR	R-SEC-13PT 3YR	24	2900		
		Poly-Soft®	W-1030-SPB-¾	★ S-SEC-13SPB 3YR	S-SEC-13SPT 3YR	35	★ R-SEC-13SPB 3YR	R-SEC-13SPT 3YR	31	2400		
		M.O. Rubber	W-1030-R-1	★ S-SEC-13RH 3YR	S-SEC-13RT 3YR	31	★ R-SEC-13RH 3YR	R-SEC-13RT 3YR	27	1000		
12	3	Ultralast™	W-1030-TRB-¾	S-SEC-13TRB 3YR	S-SEC-13TRT 3YR	42	R-SEC-13TRB 3YR	R-SEC-13TRT 3YR	36	3600	15½	2¾
		Duralast®	W-1230-DB-¾	★ S-SEC-12DB 3YR	★ S-SEC-12DT 3YR	54	★ R-SEC-12DB 3YR	★ R-SEC-12DT 3YR	50	3500		
		Duralast XC®	W-1230-DB70-¾	S-SEC-12DB70 3YR	S-SEC-12DT70 3YR	54	R-SEC-12DB70 3YR	R-SEC-12DT70 3YR	50	4550		
		Metal	W-1230-M-1	★ S-SEC-12MH 3YR	S-SEC-12MT 3YR	42	★ R-SEC-12MH 3YR	R-SEC-12MT 3YR	38	2500		
		Plastex‡	W-1230-P-1	★ S-SEC-12PH 3YR	S-SEC-12PT 3YR	29	★ R-SEC-12PH 3YR	R-SEC-12PT 3YR	25	3500		
		Poly-Soft®	W-1230-SPB-¾	★ S-SEC-12SPB 3YR	S-SEC-12SPT 3YR	54	★ R-SEC-12SPB 3YR	R-SEC-12SPT 3YR	50	2800		
		M.O. Rubber	W-1230-R-1	★ S-SEC-12RH 3YR	S-SEC-12RT 3YR	36	★ R-SEC-12RH 3YR	R-SEC-12RT 3YR	32	1140		
Ultralast™	W-1230-TRB-¾	S-SEC-12TRB 3YR	S-SEC-12TRT 3YR	57	R-SEC-12TRB 3YR	R-SEC-12TRT 3YR	51	4200				

‡ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.  
 † Hamilton No.s ending in "B" = Prec. Ball Bearing, "H" = Straight Roller Bearing, "T" = Prec. Tapered Roller Bearing.  
 ± Straight-sided wheel. \* This wheel lubricated through lube axle.

**Precision Extra Heavy Duty Casters**

...Featuring New HPI™ Swivel Technology



#S-EHD-83DB Swivel showing Duralast® wheel

Hamilton's popular *Extra Heavy Duty Casters* are widely recognized for their superior performance, wide selection, and reliable service. And now the *EHD* is even better. The entire *EHD Series* has been upgraded and now features Hamilton's new *HPI™ Swivel Technology*. The *EHD's* extra thick hot forgings, guaranteed-for-life integrally forged kingpin and new *HPI™ Swivel Technology* combine to defy comparison. Yet high volume enables us to price these superior products among the lowest priced casters in their class.

**QUALITY FEATURES**

**Swivel Construction** – ½" thick drop forged steel mounting plate; ¾" x 3" plate steel legs welded inside and outside to forged steel horn base.

**Kingpin** – 1" diameter integrally forged with mounting plate guaranteed for life and threaded for 1" diameter lock nut.

**Main Load Bearing** – *HPI™* thrust bearing with outside diameter of 5 ¼"; raceways hardened to 58-62HRC and ground to surface finish 16 micro inches.

**Secondary Load Bearing** – 1" precision tapered thrust bearing counteracts radial thrust.

**Axle** – ¾" diameter hex head with lock nut.

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.



The enhanced *Extra Heavy Duty Series* now features *Hamilton's Precision Integrated HPI™ Swivel Technology*. This new technology outperforms conventional CNC-machined ball raceways, kingpinless, and unit load bearing swivel constructions.

The new design improves the bearing's element of contact and more than doubles the number of contact points. The new *HPI™* raceways are also 45% harder than conventional hardened raceways and the surface finish is an incredibly smooth 16 micro inches.



#R-EHD-83DB70 Rigid model showing new Duralast® XC high performance polyurethane wheel.

**OPTIONAL ACCESSORIES** more help on page 13



• **Swivel Lock – 4 position (★-4SL)** – convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.



• **Sealed Swivel Assembly (-SS)** –prolongs caster life in harsh environments

• **Wheel Bearing Seals (-BS)** –prolong wheel life in harsh environments



• **Dual-Wheel Models, see page 34** –minimize overall height & maximize capacity

• **Custom Engineering** –Hamilton engineers will custom design any caster to meet customer requirements.

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications.



**Straight Roller Bearing (H):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

**THREE YEAR WARRANTY**



The *Extra Heavy Duty Series (EHD)* is backed by *Hamilton's Three Year Product Warranty*. Refer to selection table for qualifying wheels.

**BRAKE CHOICES** for more help, see page 20

★-FB



Side Foot Brake [N/A with tapered bearings]

★-FRB



Rap-A-Round Foot Brake [N/A with tapered bearings]

★-ZB



Heavy Duty Contact Brake [not ★ with tapered bearings]

#### WHEEL CHOICES for more help, see pages 14 & 15



**Duralast®:**  
95A poly on iron—our standard urethane



**Duralast® XC:**  
70D extra hard poly on iron, higher capacity urethane



**Forged Steel:**  
highest capacity, tensile strength 75,000 psi



**Metal:**  
cast: iron, heavy duty design



**Nylast™:**  
high capacity cast nylon, corrosion resistant



**Plastex:**  
phenolic, low cost, high capacity



**Poly-Soft®:**  
85A softer poly on iron—quieter, easy rolling, debris resistant urethane



**Moldon Rubber:**  
1" thick 70D rubber, tensile strength exceeds 1,000 psi



**Superlast®:**  
95A 1" thick poly/super duty forged steel center



**Super Ultralast™:**  
95A 1" thick ultimate premium urethane on super duty forged steel center



**Ultralast™:**  
95A—the ultimate premium urethane, outperforms all other urethanes



**V-Grooved:**  
take loads off floor, for production-line flow

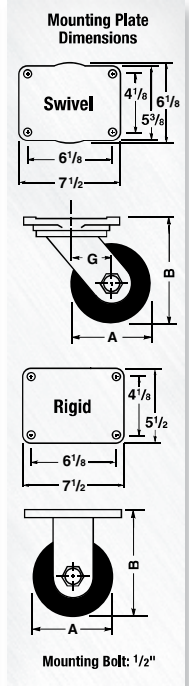


★ = same day/next day PRONTO® shipment.

#### EHD Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Face	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Ttl. Hgt. B	Swiv. Off. G
		Type	Replacement Number	Hamilton No.† Prec. BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.	Hamilton No.† Prec. BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.				
6	2½	Duralast®	W-625-DB-¾	★ S-EHD-6DB 3YR	S-EHD-6DT 3YR	32	★ R-EHD-6DB 3YR	R-EHD-6DT 3YR	26	1600	8½	2½	
		Forged Steel	W-625-FSH-1	★ S-EHD-6FSH	S-EHD-6FST 3YR	34	★ R-EHD-6FSH	R-EHD-6FST 3YR	28	3500			
		Metal	W-625-M-1	★ S-EHD-6MH	S-EHD-6MT	29	★ R-EHD-6MH	R-EHD-6MT	23	2200			
		Plastex‡*	W-625-P-1	★ S-EHD-6PH	S-EHD-6PT	24	★ R-EHD-6PH	R-EHD-6PT	18	1800			
	2¾	V-Groove	W-626-V-1	★ S-EHD-6VH	S-EHD-6VT	34	★ R-EHD-6VH	R-EHD-6VT	28	2500			
	3	Duralast®	W-630-DB-¾	★ S-EHD-63DB 3YR	★ S-EHD-63DT 3YR	30	★ R-EHD-63DB 3YR	★ R-EHD-63DT 3YR	24	2200			
		Duralast® XC	W-630-DB70-¾	★ S-EHD-63DB70 3YR	S-EHD-63DT70 3YR	30	★ R-EHD-63DB70 3YR	R-EHD-63DT70 3YR	24	2860			
		Forged Steel	W-630-FSB-¾	★ S-EHD-63FSB 3YR	★ S-EHD-63FST 3YR	41	★ R-EHD-63FSB 3YR	★ R-EHD-63FST 3YR	35	5000			
		Metal	W-630-MB-¾	★ S-EHD-63MB	S-EHD-63MT	32	★ R-EHD-63MB	R-EHD-63MT	26	2500			
		Nylast™‡	W-630-NYB-¾	★ S-EHD-63NYB	X	23	★ R-EHD-63NYB	X	17	5000			
		Plastex‡*	W-630-P-1	★ S-EHD-63PH	S-EHD-63PT	26	★ R-EHD-63PH	R-EHD-63PT	20	2000			
		Poly-Soft®	W-630-SPB-¾	★ S-EHD-63SPB 3YR	S-EHD-63SPT 3YR	30	★ R-EHD-63SPB 3YR	R-EHD-63SPT 3YR	24	1800			
Ultralast™		W-630-TRB-¾	★ S-EHD-63TRB 3YR	S-EHD-63TRT 3YR	30	★ R-EHD-63TRB 3YR	R-EHD-63TRT 3YR	24	2600				
8	2½	Duralast®	W-825-DB-¾	★ S-EHD-8DB 3YR	S-EHD-8DT 3YR	34	★ R-EHD-8DB 3YR	R-EHD-8DT 3YR	28	2000	10½	2½	
		Metal	W-825-M-1	★ S-EHD-8MH	S-EHD-8MT	34	★ R-EHD-8MH	R-EHD-8MT	28	2500			
		Plastex	W-825-P-1	★ S-EHD-8PH	S-EHD-8PT	26	★ R-EHD-8PH	R-EHD-8PT	20	2000			
		V-Groove	W-8-V-1	★ S-EHD-8VH	S-EHD-8VT	35	★ R-EHD-8VH	R-EHD-8VT	33	2500			
	3	Duralast®	W-830-DB-¾	★ S-EHD-83DB 3YR	★ S-EHD-83DT 3YR	36	★ R-EHD-83DB 3YR	★ R-EHD-83DT 3YR	30	2500			
		Duralast® XC	W-830-DB70-¾	★ S-EHD-83DB70 3YR	S-EHD-83DT70 3YR	36	★ R-EHD-83DB70 3YR	R-EHD-83DT70 3YR	30	3250			
		Forged Steel	W-830-FSB-¾	★ S-EHD-83FSB 3YR	★ S-EHD-83FST 3YR	41	★ R-EHD-83FSB 3YR	★ R-EHD-83FST 3YR	35	5000			
		Metal	W-830-MB-¾	★ S-EHD-83MB	S-EHD-83MT	39	★ R-EHD-83MB	R-EHD-83MT	33	2600			
		Nylast™‡	W-830-NYB-¾	★ S-EHD-83NYB	X	28	★ R-EHD-83NYB	X	21	5000			
		Plastex‡*	W-830-P-1	★ S-EHD-83PH	S-EHD-83PT	29	★ R-EHD-83PH	R-EHD-83PT	23	3000			
		Poly-Soft®	W-830-SPB-¾	★ S-EHD-83SPB 3YR	S-EHD-83SPT 3YR	36	★ R-EHD-83SPB 3YR	R-EHD-83SPT 3YR	30	2000			
		M.O. Rubber	W-830-R-1	★ S-EHD-83RH	S-EHD-83RT	31	★ R-EHD-83RH	R-EHD-83RT	25	840			
2½	Superlast®	W-830-SYH-1	★ S-EHD-83SYH	★ S-EHD-83SYT 3YR	40	★ R-EHD-83SYH	★ R-EHD-83SYT 3YR	36	3500				
	Super Ultralast™	W-830-STRB-¾	S-EHD-83STRB 3YR	S-EHD-83STRT 3YR	40	R-EHD-83STRB 3YR	R-EHD-83STRT 3YR	36	4400				
	Ultralast™	W-830-TRB-¾	★ S-EHD-83TRB 3YR	S-EHD-83TRT 3YR	36	★ R-EHD-83TRB 3YR	R-EHD-83TRT 3YR	30	3000				
	10	2½	Duralast®	W-1025-DB-¾	★ S-EHD-10DB 3YR	S-EHD-10DT 3YR	32	★ R-EHD-10DB 3YR	R-EHD-10DT 3YR	26	2500	12½	2½
			Metal	W-1025-M-1	★ S-EHD-10MH	S-EHD-10MT	38	★ R-EHD-10MH	R-EHD-10MT	32	2500		
			Plastex	W-1025-P-1	★ S-EHD-10PH	S-EHD-10PT	30	★ R-EHD-10PH	R-EHD-10PT	24	2500		
			Duralast®	W-1030-DB-¾	★ S-EHD-13DB 3YR	★ S-EHD-13DT 3YR	40	★ R-EHD-13DB 3YR	★ R-EHD-13DT 3YR	36	3000		
		3	Duralast® XC	W-1030-DB70-¾	★ S-EHD-13DB70 3YR	S-EHD-13DT70 3YR	42	★ R-EHD-13DB70 3YR	R-EHD-13DT70 3YR	36	3900		
Forged Steel			W-1030-FSB-¾	★ S-EHD-13FSB 3YR	★ S-EHD-13FST 3YR	51	★ R-EHD-13FSB 3YR	★ R-EHD-13FST 3YR	45	5000			
Metal			W-1030-M-1	★ S-EHD-13MH	S-EHD-13MT	42	★ R-EHD-13MH	R-EHD-13MT	36	2600			
Plastex			W-1030-P-1	★ S-EHD-13PH	S-EHD-13PT	33	★ R-EHD-13PH	R-EHD-13PT	27	2900			
Poly-Soft®			W-1030-SPB-¾	★ S-EHD-13SPB 3YR	S-EHD-13SPT 3YR	42	★ R-EHD-13SPB 3YR	R-EHD-13SPT 3YR	36	2400			
M.O. Rubber			W-1030-R-1	★ S-EHD-13RH	S-EHD-13RT	38	★ R-EHD-13RH	R-EHD-13RT	32	1000			
Ultralast™			W-1030-TRB-¾	S-EHD-13TRB 3YR	S-EHD-13TRT 3YR	42	R-EHD-13TRB 3YR	R-EHD-13TRT 3YR	36	3600			
V-Groove			W-10-V-1	★ S-EHD-13VH	S-EHD-13VT	54	★ R-EHD-13VH	R-EHD-13VT	48	3000			
12	3	Duralast®	W-1230-DB-¾	★ S-EHD-12DB 3YR	★ S-EHD-12DT 3YR	57	★ R-EHD-12DB 3YR	★ R-EHD-12DT 3YR	51	3500	14½	2½	
		Duralast® XC	W-1230-DB70-¾	S-EHD-12DB70 3YR	S-EHD-12DT70 3YR	57	R-EHD-12DB70 3YR	R-EHD-12DT70 3YR	51	4550			
		Metal	W-1230-M-1	★ S-EHD-12MH	S-EHD-12MT	50	★ R-EHD-12MH	R-EHD-12MT	44	2500			
		Plastex	W-1230-P-1	★ S-EHD-12PH	S-EHD-12PT	32	★ R-EHD-12PH	R-EHD-12PT	26	3500			
		Poly-Soft®	W-1230-SPB-¾	★ S-EHD-12SPB 3YR	S-EHD-12SPT 3YR	57	★ R-EHD-12SPB 3YR	R-EHD-12SPT 3YR	51	2800			
		Ultralast™	W-1230-TRB-¾	S-EHD-12TRB 3YR	S-EHD-12TRT 3YR	57	R-EHD-12TRB 3YR	R-EHD-12TRT 3YR	51	4200			



‡ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.  
 † Hamilton No.s ending in "B" = Prec. Ball Bearing, "H" = Straight Roller Bearing, "T" = Prec. Tapered Roller Bearing.  
 \* These wheels lubricated through lube axle. ‡ Straight-sided wheel.

**Champion Casters**

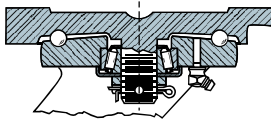


#S-CH-8DB  
Swivel showing  
Duralast® wheel

Named after a caster introduced in the 1950's, Hamilton's *Champion Casters* will be recognized for their superior performance, wide selection, and reliable service. As with all *Hamilton Forged Steel Casters*, the *Champion's 1"* integrally forged steel kingpin is guaranteed for life.

**QUALITY FEATURES**

**Swivel Construction** – ½" thick drop forged steel mounting plate; ¾" x 3" plate steel legs welded inside and outside to forged steel horn base.



**Kingpin** – 1" diameter integrally forged with mounting plate guaranteed for life and threaded for 1" diameter lock nut.

**Main Load Bearing** – CNC-machined 3¾" diameter raceway; hardened and polished steel balls.

**Secondary Load Bearing** – 1" precision tapered thrust bearing counteracts radial thrust.

**Axle** – ¾" diameter hex head with lock nut.

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.



#R-CH-83TRB  
Rigid showing new *Ultrast®* Wheel.

**OPTIONAL ACCESSORIES** *more help on page 13*



• **Swivel Lock – 4 position (★-4SL)**  
–convert swivel to rigid for straight line steering; robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.



• **Sealed Swivel Assembly (-SS)**  
–prolongs caster life in harsh environments, not available with Swivel Lock.

• **Wheel Bearing Seals (-BS)**  
–prolong wheel life in harsh environments



• **Spring Loaded Models**  
–see pages 40-41.

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications.



**Straight Roller Bearing (H):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

**BRAKE CHOICES** *for more help, see page 20*

★-FB



Side Foot Brake  
[N/A with tapered bearings]

★-FRB



Rap-A-Round Foot Brake  
[N/A with tapered bearings]

★-ZB



Heavy Duty Contact Brake  
[not ★ with tapered bearings]

**THREE YEAR WARRANTY**



The *Champion Series (CH)* is backed by *Hamilton's Three Year Product Warranty*. Refer to selection table for qualifying wheels.

#### WHEEL CHOICES for more help, see pages 14 & 15



**Duralast®:**  
95A poly on iron – our standard urethane



**Duralast® XC:**  
70D extra hard poly on iron, higher capacity urethane



**Forged Steel:**  
highest capacity, tensile strength 75,000 psi



**Metal:**  
cast iron, heavy duty design



**Nylast™:**  
high capacity cast nylon, corrosion resistant



**Plastex:**  
phenolic, low cost, high capacity



**Poly-Soft®:**  
85A softer poly on iron – quieter, easy rolling, debris resistant urethane



**Moldon Rubber:**  
1" thick 70D rubber, tensile strength exceeds 1,000 psi



**Superlast™:**  
95A 1" thick poly/super duty forged steel center



**Super Ultrast™:**  
95A 1" thick ultimate premium urethane on super duty forged steel center



**Ultrast™:**  
95A – the ultimate premium urethane, outperforms all other urethanes



**V-Grooved:**  
take loads off floor, for production-line flow

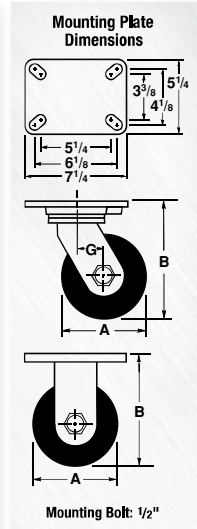


★ = same day/next day **PRONTO®** shipment.

#### CH Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Face	Wheel		Swivel Caster			Rigid Caster			Load Cap. Lbs.	Ttl. Hgt. B	Swiv. Off. G
		Type	Replacement Number □	Hamilton No. † Prec. BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.	Hamilton No. † Prec. BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.			
6	2½	Duralast®	W-625-DB-¾	★ S-CH-6DB 3YR	S-CH-6DT 3YR	25	★ R-CH-6DB 3YR	R-CH-6DT 3YR	20	1600	8	2¼
		Forged Steel	W-625-FSH-1	★ S-CH-6FSH	S-CH-6FST 3YR	27	★ R-CH-6FSH	R-CH-6FST 3YR	22	3500		
		Metal	W-625-M-1	★ S-CH-6MH	S-CH-6MT	24	★ R-CH-6MH	R-CH-6MT	19	2200		
		Plastex†*	W-625-P-1	★ S-CH-6PH	S-CH-6PT	19	★ R-CH-6PH	R-CH-6PT	15	1800		
	2¾	V-Groove	W-626-V-1	★ S-CH-6VH	S-CH-6VT	34	★ R-CH-6VH	R-CH-6VT	28	2500		
	3	Duralast®	W-630-DB-¾	★ S-CH-63DB 3YR	★ S-CH-63DT 3YR	26	★ R-CH-63DB 3YR	★ R-CH-63DT 3YR	21	2200		
		Duralast® XC	W-630-DB70-¾	★ S-CH-63DB70 3YR	S-CH-63DT70 3YR	26	★ R-CH-63DB70 3YR	R-CH-63DT70 3YR	21	2860		
		Forged Steel	W-630-FSB-¾	★ S-CH-63FSB 3YR	★ S-CH-63FST 3YR	34	★ R-CH-63FSB 3YR	★ R-CH-63FST 3YR	30	4000		
		Metal	W-630-MB-¾	★ S-CH-63MB	S-CH-63MT	26	★ R-CH-63MB	R-CH-63MT	21	2500		
		Nylast™‡	W-630-NYB-¾	★ S-CH-63NYB	X	21	★ R-CH-63NYB	X	15	4000		
		Plastex†*	W-630-P-1	★ S-CH-63PH	S-CH-63PT	21	★ R-CH-63PH	R-CH-63PT	17	2000		
		Poly-Soft®	W-630-SPB-¾	★ S-CH-63SPB 3YR	S-CH-63SPT 3YR	26	★ R-CH-63SPB 3YR	R-CH-63SPT 3YR	21	1800		
Ultrast™		W-630-TRB-¾	★ S-CH-63TRB 3YR	S-CH-63TRT 3YR	26	★ R-CH-63TRB 3YR	R-CH-63TRT 3YR	21	2600			
8	2½	Duralast®	W-825-DB-¾	★ S-CH-8DB 3YR	S-CH-8DT 3YR	31	★ R-CH-8DB 3YR	R-CH-8DT 3YR	26	2000	10½	2½
		Metal	W-825-M-1	★ S-CH-8MH	S-CH-8MT	29	★ R-CH-8MH	R-CH-8MT	24	2500		
		Plastex	W-825-P-1	★ S-CH-8PH	S-CH-8PT	22	★ R-CH-8PH	R-CH-8PT	17	2000		
		V-Groove	W-8-V-1	★ S-CH-8VH	S-CH-8VT	35	★ R-CH-8VH	R-CH-8VT	33	2500		
	3	Duralast®	W-830-DB-¾	★ S-CH-83DB 3YR	★ S-CH-83DT 3YR	32	★ R-CH-83DB 3YR	★ R-CH-83DT 3YR	27	2500		
		Duralast® XC	W-830-DB70-¾	★ S-CH-83DB70 3YR	S-CH-83DT70 3YR	32	★ R-CH-83DB70 3YR	R-CH-83DT70 3YR	27	3250		
		Forged Steel	W-830-FSB-¾	★ S-CH-83FSB 3YR	★ S-CH-83FST 3YR	35	★ R-CH-83FSB 3YR	★ R-CH-83FST 3YR	30	4000		
		Metal	W-830-MB-¾	★ S-CH-83MB	S-CH-83MT	33	★ R-CH-83MB	R-CH-83MT	28	2600		
		Nylast™‡	W-830-NYB-¾	★ S-CH-83NYB	X	25	★ R-SEC-83NYB	X	19	4000		
		Plastex†*	W-830-P-1	★ S-CH-83PH	S-CH-83PT	24	★ R-CH-83PH	R-CH-83PT	19	3000		
		Poly-Soft®	W-830-SPB-¾	★ S-CH-83SPB 3YR	S-CH-83SPT 3YR	26	★ R-CH-83SPB 3YR	R-CH-83SPT 3YR	27	2000		
		M.O. Rubber	W-830-R-1	★ S-CH-83RH	S-CH-83RT	31	★ R-CH-83RH	R-CH-83RT	26	840		
Superlast®	W-830-SYH-1	★ S-CH-83SYH 3YR	★ S-CH-83SYT 3YR	32	★ R-CH-83SYH 3YR	★ R-CH-83SYT 3YR	36	3500				
	Super Ultrast™	W-830-STRB-¾	S-CH-83STRB 3YR	S-CH-83STRT 3YR	32	R-CH-83STRB 3YR	R-CH-83STRT 3YR	36	4000			
	Ultrast™	W-830-TRB-¾	★ S-CH-83TRB 3YR	S-CH-83TRT 3YR	32	★ R-CH-83TRB 3YR	R-CH-83TRT 3YR	27	3000			
	10	2½	Duralast®	W-1025-DB-¾	★ S-CH-10DB 3YR	S-CH-10DT 3YR	30	★ R-CH-10DB 3YR	R-CH-10DT 3YR	26	2500	12½
Metal			W-1025-M-1	★ S-CH-10MH	S-CH-10MT	33	★ R-CH-10MH	R-CH-10MT	28	2500		
Plastex			W-1025-P-1	★ S-CH-10PH	S-CH-10PT	26	★ R-CH-10PH	R-CH-10PT	20	2500		
3		Duralast®	W-1030-DB-¾	★ S-CH-13DB 3YR	★ S-CH-13DT 3YR	36	★ R-CH-13DB 3YR	★ R-CH-13DT 3YR	31	3000		
		Duralast® XC	W-1030-DB70-¾	★ S-CH-13DB70 3YR	S-CH-13DT70 3YR	36	★ R-CH-13DB70 3YR	R-CH-13DT70 3YR	31	3900		
		Forged Steel	W-1030-FSB-¾	★ S-CH-13FSB 3YR	★ S-CH-13FST 3YR	43	★ R-CH-13FSB 3YR	★ R-CH-13FST 3YR	39	4000		
		Metal	W-1030-M-1	★ S-CH-13MH	S-CH-13MT	34	★ R-CH-13MH	R-CH-13MT	30	2600		
		Plastex	W-1030-P-1	★ S-CH-13PH	S-CH-13PT	29	★ R-CH-13PH	R-CH-13PT	24	2900		
		Poly-Soft®	W-1030-SPB-¾	★ S-CH-13SPB 3YR	S-CH-13SPT 3YR	36	★ R-CH-13SPB 3YR	R-CH-13SPT 3YR	31	2400		
		M.O. Rubber	W-1030-R-1	★ S-CH-13RH	S-CH-13RT	32	★ R-CH-13RH	R-CH-13RT	27	1000		
		Ultrast™	W-1030-TRB-¾	S-CH-13TRB 3YR	S-CH-13TRT 3YR	36	R-CH-13TRB 3YR	R-CH-13TRT 3YR	31	3600		
		V-Groove	W-10-V-1	★ S-CH-13VH	S-CH-13VT	54	★ R-CH-13VH	R-CH-13VT	48	3000		
12	3	Duralast®	W-1230-DB-¾	★ S-CH-12DB 3YR	★ S-CH-12DT 3YR	55	★ R-CH-12DB 3YR	★ R-CH-12DT 3YR	50	3500	15½	2½
		Duralast® XC	W-1230-DB70-¾	S-CH-12DB70 3YR	S-CH-12DT70 3YR	55	R-CH-12DB70 3YR	R-CH-12DT70 3YR	50	4000		
		Metal	W-1230-M-1	★ S-CH-12MH	S-CH-12MT	43	★ R-CH-12MH	R-CH-12MT	38	2500		
		Plastex	W-1230-P-1	★ S-CH-12PH	S-CH-12PT	30	★ R-CH-12PH	R-CH-12PT	25	3500		
		Poly-Soft®	W-1230-SPB-¾	★ S-CH-12SPB 3YR	S-CH-12SPT 3YR	55	★ R-CH-12SPB 3YR	R-CH-12SPT 3YR	50	2800		
		Ultrast™	W-1230-TRB-¾	S-CH-12TRB 3YR	S-CH-12TRT 3YR	57	R-CH-12TRB 3YR	R-CH-12TRT 3YR	51	4000		



□ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.  
 † Hamilton No.s ending in "B" = Prec. Ball Bearing, "H" = Straight Roller Bearing, "T" = Prec. Tapered Roller Bearing.  
 \* These wheels lubricated through lube axle. ‡ Straight-sided wheel.

**Forged Steel Dual Wheel Casters**

...Featuring New HPI™ Swivel Technology on selected models



#S-EHD2-83SYT70 Swivel with Superlast® XC wheels



#S-HS2-4SPB Swivel showing Poly-Soft® wheels.

Dual wheel casters address the problem of how to minimize overall height and maximize load capacity on resilient tread wheels. Dual wheel casters also improve stability and swivel more easily than wider-face single wheels because differential action reduces the "scrubbing" effect of soft treads against the floors.

These forged steel dual wheel casters are built on the proven and reliable *Heavy Service (HS)* and *Extra Heavy Duty (EHD)* swivel caster platforms. This means you have lots of flexibility if you need to match an existing bolt-hole pattern or overall height dimension. For dual wheel casters with even higher load capacities, see page 24.

**QUALITY FEATURES**

**Swivel Construction** – all models have forged steel mounting plate and horn base with integrally forged kingpins and precision tapered thrust bearings. Legs 1/4" thick on HS2 models and 3/8" thick on EHD2 models.

**Kingpin** – integrally forged with mounting plate, guaranteed for life, 3/4" dia. on HS2 models and 1" diameter on EHD2 models.

**Main Load Bearing** – HS2: large diameter raceway CNC-machined for hardened and polished steel balls; EHD2 HPI™ Swivel Technology.

**Secondary Load Bearing** – precision tapered roller bearing capped with grease retainer.

**Axle** – bolt and nut type: 1/2" dia. grade 5 on HS2 models, 3/4" grade 5 on EHD2 models

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.

**OPTIONAL ACCESSORIES** *more help on page 13*



- **Swivel Lock—4 position (-4SL)**  
–convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.
- The HS2 Series can be upgraded to Hamilton's new HPI™ Swivel Technology, consult factory for pricing.
- **Sealed Swivel Assembly (-SS)**  
not available with swivel lock.

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications.



**Straight Roller Bearing (H):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

**BRAKE CHOICES** *for more help, see page 20*

**-2FB**



Two Side Foot Brakes (one on each side)

**-2HCB**



Heavy Duty Contact Brake



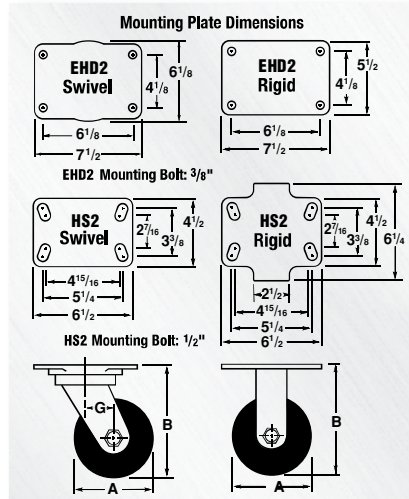
The *Dual Wheel Extra Heavy Duty Series (EHD2) Series* now features Hamilton's *Precision Integrated HPI™ Swivel Technology*. The new technology outperforms conventional CNC-machined ball raceways, kingpinless, and unit load bearing swivel constructions. The *HS2 Series* comes standard with conventional steel ball raceway technology and can be upgraded to the *HPI™ Swivel Technology* as an option, consult the factory.



**THREE YEAR WARRANTY**



The *Forged Steel Dual Wheel Series (HS2 & EHD2)* is backed by Hamilton's *Three Year Product Warranty*. Refer to selection table for qualifying wheels.





### Forged Steel Dual Wheel Casters

...Featuring New HPI™ Swivel Technology on selected models

#### WHEEL CHOICES for more help, see pages 14 & 15



**Duralast®:**  
95A poly on iron – our standard urethane



**Duralast® XC:**  
70D poly on iron – extra capacity, harder urethane



**Nylast™:**  
high capacity cast nylon, corrosion resistant



**Plastex:**  
phenolic, low cost, high capacity



**Poly-Soft®:**  
85A softer poly on iron – quieter, easy rolling, debris resistant urethane



**Superlast®:**  
95A 1" thick poly/super duty forged steel center



**Super Ultrafast™:**  
95A 1" thick ultimate premium urethane on super duty forged steel center



**Swivel-EAZ®:**  
Twin Wheel Poly on Aluminum, easy turning



**Ultrafast™:**  
95A -the ultimate premium urethane, outperforms all other urethanes

★ = same day/next day PRONTO® shipment.

#### HS2 & EHD2 Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset G
	Face	Type	Replacement Number α	Hamilton No. † Roller/Prec. BB	Hamilton No. † Tapered Brgs.	Wt. Lbs.	Hamilton No. † Roller/Prec. BB	Hamilton No. † Tapered Brgs.	Wt. Lbs.			
3 1/4	2	Duralast®*	W-320-D-3/4	★ S-HS2-3D	X	13	★ R-HS2-3D	X	9	1150	5 1/4	1 1/4
		Plastex*	W-320-P-3/4	★ S-HS2-3P	X	9	★ R-HS2-3P	X	5	1400		
4	2	Duralast®	W-420-DB-1/2	★ S-HS2-4DB 3YR	X	15	★ R-HS2-4DB 3YR	X	12	1500	5 5/8	1 1/4
		Duralast® XC	W-420-DB70-1/2	★ S-HS2-4DB70 3YR	X	15	★ R-HS2-4DB70 3YR	X	12	1900		
		Nylast™‡	W-420-NYB-1/2	★ S-HS2-4NYB	X	13	★ R-HS2-4NYB	X	10	2500		
		Plastex*	W-420-P-3/4	★ S-HS2-4P	X	10	★ R-HS2-4P	X	6	1600		
		Poly-Soft®	W-420-SPB-1/2	★ S-HS2-4SPB 3YR	X	16	★ R-HS2-4SPB 3YR	X	11	1200		
		Swivel-EAZ™	W-420-SWF-1/2	★ S-HS2-4SWF 3YR	X	12	★ R-HS2-4SWF 3YR	X	9	1700		
		Ultrafast™	W-420-TRB-1/2	S-HS2-4TRB 3YR	X	15	R-HS2-4TRB 3YR	X	12	1800		
5	2	Duralast®	W-520-DB-1/2	★ S-HS2-5DB 3YR	★ S-HS2-5DT 3YR	17	★ R-HS2-5DB 3YR	★ R-HS2-5DT 3YR	13	2100	6 3/8	2
		Duralast® XC	W-520-DB70-1/2	★ S-HS2-5DB70 3YR	S-HS2-5DT70 3YR	17	★ R-HS2-5DB70 3YR	R-HS2-5DT70 3YR	13	2720		
		Plastex	W-520-P-3/4	★ S-HS2-5P	X	12	★ R-HS2-5P	X	8	2000		
		Poly-Soft®	W-520-SPB-1/2	★ S-HS2-5SPB 3YR	★ S-HS2-5SPT 3YR	17	★ R-HS2-5SPB 3YR	★ R-HS2-5SPT 3YR	13	1680		
		Ultrafast™	W-520-TRB-1/2	S-HS2-5TRB 3YR	S-HS2-5TRT 3YR	17	R-HS2-5TRB 3YR	R-HS2-5TRT 3YR	13	2500		
6	2	Duralast®	W-620-DB-1/2	★ S-HS2-6DB 3YR	★ S-HS2-6DT 3YR	19	★ R-HS2-6DB 3YR	★ R-HS2-6DT 3YR	15	2400	7 3/8	2 1/4
		Duralast® XC	W-620-DB70-1/2	★ S-HS2-6DB70 3YR	S-HS2-6DT70 3YR	19	★ R-HS2-6DB70 3YR	R-HS2-6DT70 3YR	15	2500		
		Nylast™‡	W-620-NYB-1/2	★ S-HS2-6NYB	X	15	★ R-HS2-6NYB	X	11	2500		
		Plastex*	W-620-P-3/4	★ S-HS2-6P	X	13	★ R-HS2-6P	X	10	2400		
		Poly-Soft®	W-620-SPB-1/2	★ S-HS2-6SPB 3YR	★ S-HS2-6SPT 3YR	19	★ R-HS2-6SPB 3YR	★ R-HS2-6SPT 3YR	15	1920		
		Swivel-EAZ™	W-620-SWF-1/2	★ S-HS2-6SWF 3YR	X	16	★ R-HS2-6SWF 3YR	X	13	2800		
		Ultrafast™	W-620-TRB-1/2	★ S-HS2-6TRB 3YR	S-HS2-6TRT 3YR	19	★ R-HS2-6TRB 3YR	R-HS2-6TRT 3YR	13	2500		
		Duralast®	W-630-DB-3/4	S-EHD2-63DB 3YR	S-EHD2-63DT 3YR	37	R-EHD2-63DB 3YR	R-EHD2-63DT 3YR	33	4400		
		Duralast® XC	W-630-DB70-3/4	S-EHD2-63DB70 3YR	S-EHD2-63DT70 3YR	37	R-EHD2-63DB70 3YR	R-EHD2-63DT70 3YR	33	5720		
		Nylast™‡	W-630-NYB-3/4	S-EHD2-63NYB	X	23	R-EHD2-63NYB	X	19	7000		
8	2	Plastex*†	W-630-P-1	S-EHD2-63PH	S-EHD2-63PT 3YR	27	R-EHD2-63PH	R-EHD2-63PT 3YR	23	4000	8 1/2	2 1/2
		Poly-Soft®	W-630-SPB-3/4	S-EHD2-63SPB 3YR	S-EHD2-63SPT 3YR	37	R-EHD2-63SPB 3YR	R-EHD2-63SPT 3YR	33	3600		
		Ultrafast™	W-630-TRB-3/4	S-EHD2-63TRB 3YR	S-EHD2-63TRT 3YR	37	R-EHD2-63TRB 3YR	R-EHD2-63TRT 3YR	33	5200		
		Duralast®	W-820-DB-1/2	★ S-HS2-8DB 3YR	★ S-HS2-8DT 3YR	26	★ R-HS2-8DB 3YR	★ R-HS2-8DT 3YR	23	3000		
		Nylast™‡	W-820-NYB-1/2	★ S-HS2-8NYB	X	20	★ R-HS2-8NYB	X	17	2000		
	3	Poly-Soft®	W-820-SPB-1/2	★ S-HS2-8SPB 3YR	S-HS2-8SPT 3YR	26	★ R-HS2-8SPB 3YR	R-HS2-8SPT 3YR	22	2400		
		Swivel-EAZ™	W-820-SWF-1/2	★ S-HS2-8SWF 3YR	X	23	★ R-HS2-8SWF 3YR	X	19	3000		
		Ultrafast™	W-820-TRB-1/2	★ S-HS2-8TRB 3YR	S-HS2-8TRT 3YR	26	★ R-HS2-8TRB 3YR	R-HS2-8TRT 3YR	23	2500		
		Duralast®	W-830-DB-3/4	S-EHD2-83DB 3YR	S-EHD2-83DT 3YR	48	R-EHD2-83DB 3YR	R-EHD2-83DT 3YR	44	5000		
		Duralast® XC	W-830-DB70-3/4	S-EHD2-83DB70 3YR	S-EHD2-83DT70 3YR	48	R-EHD2-83DB70 3YR	R-EHD2-83DT70 3YR	44	6500		
10	3	Nylast™‡	W-830-NYB-3/4	S-EHD2-83NYB	X	44	R-EHD2-83NYB	X	39	7000	10 1/2	2 1/2
		Plastex*†	W-830-P-1	S-EHD2-83PH	S-EHD2-83PT 3YR	32	R-EHD2-83PH	R-EHD2-83PT 3YR	28	6000		
		Poly-Soft®	W-830-SPB-3/4	S-EHD2-83SPB 3YR	S-EHD2-83SPT 3YR	48	R-EHD2-83SPB 3YR	R-EHD2-83SPT 3YR	44	4000		
		Superlast®	W-830-SYT-3/4	X	S-EHD2-83SYT 3YR	71	X	R-EHD2-83SYT 3YR	67	7000		
		Superlast®XC	W-830-SYT70-3/4	X	S-EHD2-83SYT70 3YR	71	X	R-EHD2-83SYT70 3YR	67	7000		
		Ultrafast™	W-830-TRB-3/4	S-EHD2-83TRB 3YR	S-EHD2-83TRT 3YR	48	R-EHD2-83TRB 3YR	R-EHD2-83TRT 3YR	44	6000		
		Duralast®	W-1030-DB-3/4	S-EHD2-13DB 3YR	S-EHD2-13DT 3YR	56	R-EHD2-13DB 3YR	R-EHD2-13DT 3YR	52	6000		
12	3	Plastex*	W-1030-P-1	S-EHD2-13PH	S-EHD2-13PT 3YR	42	R-EHD2-13PH	R-EHD2-13PT 3YR	37	5800	12 1/2	2 1/2
		Poly-Soft®	W-1030-SPB-3/4	S-EHD2-13SPB 3YR	S-EHD2-13SPT 3YR	56	R-EHD2-13SPB 3YR	R-EHD2-13SPT 3YR	52	4800		
		Ultrafast™	W-1030-TRB-3/4	S-EHD2-13TRB 3YR	S-EHD2-13TRT 3YR	48	R-EHD2-13TRB 3YR	R-EHD2-13TRT 3YR	44	7000		
		Duralast®	W-1230-DB-3/4	S-EHD2-12DB 3YR	S-EHD2-12DT 3YR	92	R-EHD2-12DB 3YR	R-EHD2-12DT 3YR	88	7000		
12	3	Poly-Soft®	W-1230-SPB-3/4	S-EHD2-12SPB 3YR	S-EHD2-12SPT 3YR	92	R-EHD2-12SPB 3YR	R-EHD2-12SPT 3YR	88	5600	14 1/2	2 1/2
		Ultrafast™	W-1230-TRB-3/4	S-EHD2-12TRB 3YR	S-EHD2-12TRT 3YR	92	R-EHD2-12TRB 3YR	R-EHD2-12TRT 3YR	88	7000		

α With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.

† Hamilton No.s ending in B = Prec. Ball Bearing, T = Prec. Tapered Roller Bearing, any other letter = Straight Roller Bearing.

‡ Straight-sided wheel.

\* This wheel lubricated through lube axle.

**Precision Extended Service Casters**

...Featuring New HPI™ Swivel Technology

When grueling loads and continuous operations exist, Hamilton's Extended Service Casters with new HPI™ Swivel Technology are the right choice. ES Series Casters are an excellent choice for use on in-plant trailers, towline carts or AGV systems. New to this series is a 2" wide wheel offering, ES Series, specifically designed for continuous duty applications that also feature the new HPI™ Swivel Technology. The ES Series is finished with gray enamel and the EHS Series is finished with red enamel.

**QUALITY FEATURES**

**Swivel Construction** – All models have 3/8" thick forged steel mounting plate and horn base. Legs 5/16" x 2 1/2" on ES models and 1/4" x 2" on EHS models.

**Kingpin** – integrally forged with mounting plate, guaranteed for life, 1" diameter on ES models and 3/4" dia. on EHS models. Both series have slotted nuts secured by cotter pin for positive locking.

**Main Load Bearing** – HPI™ thrust bearing with outside diameter of 3 1/2"; raceways hardened to 58-62HRC and ground to surface finish 16 micro inches.

**Secondary Load Bearing** – precision tapered thrust bearing counteracts radial thrust, 1" on ES and 3/4" on EHS.

**Axle** – Bolt and nut type, 3/4" on ES models and 1/2" on EHS models.

**Lubrication Fittings** – Ball-check type in swivel assembly and wheel hubs with tapered or straight roller bearings.



#S-ES-6DB Swivel showing Duralast® wheel



The enhanced Extended Service Series now features Hamilton's Precision Integrated HPI™ Swivel Technology. This new technology outperforms conventional CNC-machined ball raceways, kingpinless, and unit load bearing swivel constructions.

The new design improves the bearing's element of contact and more than doubles the number of contact points. The new HPI™ raceways are also 45% harder than conventional hardened raceways and the surface finish is an incredibly smooth 16 micro inches.



#S-EHS-6SPB New EHS Series featuring HPI™ Swivel Technology showing Polysoft® Wheel.

**OPTIONAL ACCESSORIES** more help on page 13



- **Swivel Lock– 4 position (ES: ★-4SL, EHS: -4SL)**  
–convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.
- **Sealed Swivel Assembly (-SS)**  
–prolongs caster life in harsh environments, not available with Swivel Lock on ES Series.
- **Wheel Bearing Seals (-BS)**  
–prolong wheel life in harsh environments
- **Custom Engineering**  
–Hamilton engineers will custom design any caster to meet customer requirements.

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications.



**Straight Roller Bearing (H):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

**THREE YEAR WARRANTY**



The Extended Service Series (ES) is backed by Hamilton's Three Year Product Warranty. Refer to selection table for qualifying wheels.



**BRAKE CHOICES** for more help, see page 20

★-FB



Side Foot Brake [N/A with tapered bearings]

★-FRB



Rap-A-Round Foot Brake [N/A with tapered bearings]

★-ZB



Heavy Duty Contact Brake [not ★ with tapered bearings]

-B



Thumbscrew Brake

**WHEEL CHOICES** for more help, see pages 14 & 15



**Duralast®XC:**  
70D extra hard poly on iron, higher capacity urethane



**Forged Steel:**  
highest capacity, tensile strength 75,000 psi



**Nylast™:**  
high capacity cast nylon, corrosion resistant



**Polylast™:**  
Donut Tread 85A Poly on Aluminum Core



**Poly-Soft®:**  
85A softer poly on iron – quieter, easy rolling, debris resistant urethane



**Swivel-EAZ®:**  
Twin Wheel Poly on Aluminum, easy turning



**Ultralast™:**  
95A – the ultimate premium urethane, outperforms all other urethanes

★ = same day/next day **PRONTO®** shipment.

### EHS Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Face	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Til. Hgt. B	Swiv. Off. G
		Type	Replacement Number	Hamilton No.† Prec.BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.	Hamilton No.† Prec.BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.				
6	2	Duralast®	W-620-DB-½	★ S-EHS-6DB 3YR	★ S-EHS-6DT 3YR	13	★ R-HS-6DB 3YR	★ R-HS-6DT 3YR	10	1200	7¾	2¼	
		Duralast®XC	W-620-DB70-½	★ S-EHS-6DB70 3YR	S-EHS-6DT70 3YR	13	★ R-HS-6DB70 3YR	R-HS-6DT70 3YR	10	1560			
		Forged Steel	W-620-FSB-½	★ S-EHS-6FSB 3YR	S-EHS-6FST 3YR	17	★ R-HS-6FSB 3YR	R-HS-6FST 3YR	12	2000			
		Metal	W-620-MB-½	★ S-EHS-6MB	X	15	★ R-HS-6MB	X	11	1400			
		Plastex±*	W-620-P-¾	★ S-EHS-6P	X	11	★ R-HS-6P	X	7	1200			
		Polylast™	W-622-AYB-½	★ S-EHS-62AYB 3YR	X	11	★ R-HS-62AYB 3YR	X	9	600			
		Poly-Soft®	W-620-SPB-½	★ S-EHS-6SPB 3YR	S-EHS-6SPT 3YR	13	★ R-HS-6SPB 3YR	R-HS-6SPT 3YR	10	960			
		Swivel-EAZ™	W-620-SWF-½	★ S-EHS-6SWF 3YR	X	14	★ R-HS-6SWF 3YR	X	10	1700			
8	2	Ultralast™	W-630-TRB-½	★ S-EHS-6TRB 3YR	S-EHS-6TRT 3YR	13	★ R-HS-6TRB 3YR	R-HS-6TRT 3YR	21	1400			
		Duralast®	W-820-DB-½	★ S-EHS-8DB 3YR	★ S-EHS-8DT 3YR	17	★ R-HS-8DB 3YR	★ R-HS-8DT 3YR	14	1500			
		Duralast®XC	W-820-DB70-½	★ S-EHS-8DB70 3YR	S-EHS-8DT70 3YR	17	★ R-HS-8DB70 3YR	R-HS-8DT70 3YR	14	1950			
		Metal	W-820-MB-½	★ S-EHS-8MB	X	19	★ R-HS-8MB	X	16	1500			
		Plastex±*	W-820-P-¾	★ S-EHS-8P	X	12	★ R-HS-8P	X	9	1400			
		Polylast™	W-822-AYB-½	★ S-EHS-82AYB 3YR	X	12	★ R-HS-82AYB 3YR	X	11	1000			
		Poly-Soft®	W-820-SPB-½	★ S-EHS-8SPB 3YR	S-EHS-8SPT 3YR	17	★ R-HS-8SPB 3YR	R-HS-8SPT 3YR	14	1200			
		Swivel-EAZ™	W-820-SWF-½	★ S-EHS-8SWF 3YR	X	15	★ R-HS-8SWF 3YR	X	11	2000			
Ultralast™	W-820-TRB-½	★ S-EHS-8TRB 3YR	S-EHS-8TRT 3YR	17	★ R-HS-8TRB 3YR	R-HS-8TRT 3YR	14	1800					

★ = same day/next day **PRONTO®** shipment.

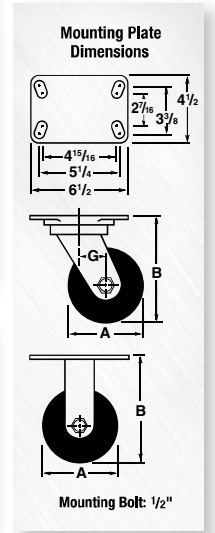
### ES Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Face	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Til. Hgt. B	Swiv. Off. G
		Type	Replacement Number	Hamilton No.† Prec.BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.	Hamilton No.† Prec.BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.				
5	2½	Duralast®	W-525-D-1	S-ES-5DH 3YR	X	17	R-ES-5DH 3YR	X	14	1300	7¼	2¼	
6	2½	Duralast®	W-625-DB-¾	★ S-ES-6DB 3YR	S-ES-6DT 3YR	21	★ R-ES-6DB 3YR	R-ES-6DT 3YR	18	1600			
		Forged Steel	W-625-FSH-1	★ S-ES-6FSH 3YR	S-ES-6FST 3YR	22	★ R-ES-6FSH 3YR	R-ES-6FST 3YR	19	2400			
		Metal	W-625-M-1	★ S-ES-6MH	S-ES-6MT	20	★ R-ES-6MH	R-ES-6MT	18	2200			
		Plastex±*	W-625-P-1	★ S-ES-6PH	S-ES-6PT	15	★ R-ES-6PH	R-ES-6PT	13	1800			
		Duralast®	W-630-DB-¾	★ S-ES-63DB 3YR	★ S-ES-63DT 3YR	23	★ R-ES-63DB 3YR	★ R-ES-63DT 3YR	20	2200			
	Duralast®XC	W-630-DB70-¾	★ S-ES-63DB70 3YR	S-ES-63DT70 3YR	23	★ R-ES-63DB70 3YR	R-ES-63DT70 3YR	21	2200				
	Forged Steel	W-630-FSB-¾	★ S-ES-63FSB 3YR	★ S-ES-63FST 3YR	22	★ R-ES-63FSB 3YR	★ R-ES-63FST 3YR	19	2400				
	Nylast®±	W-630-NYB-¾	★ S-ES-63NYB	X	23	★ R-ES-63NYB	X	20	2400				
	Plastex±*	W-630-P-1	★ S-ES-63PH	★ S-ES-63PT	23	★ R-ES-63PH	★ R-ES-63PT	20	2000				
	Poly-Soft®	W-630-SPB-¾	★ S-ES-63SPB 3YR	S-ES-63SPT 3YR	23	★ R-ES-63SPB 3YR	R-ES-63SPT 3YR	21	1800				
Ultralast™	W-630-TRB-¾	★ S-ES-63TRB 3YR	S-ES-63TRT 3YR	23	★ R-ES-63TRB 3YR	R-ES-63TRT 3YR	21	2400					
8	2½	Duralast®	W-825-DB-¾	★ S-ES-8DB 3YR	S-ES-8DT 3YR	27	★ R-ES-8DB 3YR	R-ES-8DT 3YR	19	2000			
		Metal	W-825-M-1	★ S-ES-8MH	S-ES-8MT	27	★ R-ES-8MH	R-ES-8MT	24	2400			
		Plastex	W-825-P-1	★ S-ES-8PH	S-ES-8PT	18	★ R-ES-8PH	R-ES-8PT	13	2000			
	3	Duralast®	W-830-DB-¾	★ S-ES-83DB 3YR	★ S-ES-83DT 3YR	27	★ R-ES-83DB 3YR	★ R-ES-83DT 3YR	24	2200			
		Duralast®XC	W-830-DB70-¾	★ S-ES-83DB70 3YR	S-ES-83DT70 3YR	23	★ R-ES-83DB70 3YR	R-ES-83DT70 3YR	21	2400			
		Forged Steel	W-830-FSB-¾	★ S-ES-83FSB 3YR	★ S-ES-83FST 3YR	36	★ R-ES-83FSB 3YR	★ R-ES-83FST 3YR	33	2400			
		Nylast®±	W-830-NYB-¾	★ S-ES-83NYB	X	23	★ R-ES-83NYB	X	20	2400			
		Plastex	W-830-P-1	★ S-ES-83PH	S-ES-83PT	18	★ R-ES-83PH	R-ES-83PT	16	2400			
		Poly-Soft®	W-830-SPB-¾	★ S-ES-83SPB 3YR	S-ES-83SPT 3YR	27	★ R-ES-83SPB 3YR	R-ES-83SPT 3YR	24	2000			
		Ultralast™	W-830-TRB-¾	★ S-ES-83TRB 3YR	S-ES-83TRT 3YR	28	★ R-ES-83TRB 3YR	R-ES-83TRT 3YR	25	2400			
10	2½	Duralast®	W-1025-DB-¾	★ S-ES-10DB 3YR	S-ES-10DT 3YR	28	★ R-ES-10DB 3YR	R-ES-10DT 3YR	24	2400			
		Metal	W-1025-M-1	★ S-ES-10MH	S-ES-10MT	28	★ R-ES-10MH	R-ES-10MT	26	2400			
		Plastex	W-1025-P-1	★ S-ES-10PH	S-ES-10PT	20	★ R-ES-10PH	R-ES-10PT	17	2400			
	3	Duralast®	W-1030-DB-¾	★ S-ES-13DB 3YR	★ S-ES-13DT 3YR	31	★ R-ES-13DB 3YR	★ R-ES-13DT 3YR	29	2400			
		Duralast®XC	W-1030-DB70-¾	★ S-ES-13DB70 3YR	S-ES-13DT70 3YR	31	★ R-ES-13DB70 3YR	R-ES-13DT70 3YR	29	2400			
		Forged Steel	W-1030-FSB-¾	★ S-ES-13FSB 3YR	★ S-ES-13FST 3YR	40	★ R-ES-13FSB 3YR	★ R-ES-13FST 3YR	38	2400			
		Poly-Soft®	W-1030-SPB-¾	★ S-ES-13SPB 3YR	S-ES-13SPT 3YR	27	★ R-ES-13SPB 3YR	R-ES-13SPT 3YR	29	2400			
		Ultralast™	W-1030-TRB-¾	S-ES-13TRB 3YR	S-ES-13TRT 3YR	31	R-ES-13TRB 3YR	R-ES-13TRT 3YR	29	2400			

† Hamilton Nos. ending in B = Prec. Ball Bearing, H = Straight Roller Bearing, T = Prec. Tapered Roller Bearing.

\* This wheel lubricated through lube axle. ‡ Straight-sided wheel.

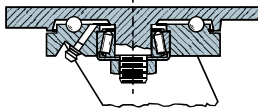


**ForgeMaster™ Casters**

Hamilton's ForgeMaster™ Casters were designed to match popular industry mounting plate, bolt hole and overall height specifications. However, the precision tapered thrust bearing and guaranteed-for-life integrally forged kingpin design make it superior to the double ball race casters in its class.

**QUALITY FEATURES**

**Swivel Construction** – 5/16" thick drop forged steel mounting plate; 5/16" x 2 1/2" plate steel legs robotically welded inside and outside to forged steel horn base.



**Kingpin** – 1" diameter integrally forged with mounting plate guaranteed for life, threaded for 3/4" diameter lock nut.

**Main Load Bearing** – CNC-machined 3 1/4" diameter raceway; 1/2" diameter hardened and polished steel balls.

**Secondary Load Bearing** – 1" precision tapered thrust bearing counteracts radial thrust.

**Axle** – 3/4" diameter hex head with lock nut.

**Lubrication Fittings** – Ball-check type in swivel assembly and wheel hub.



#S-FM-8PH Swivel showing Plastex wheel



#R-FM-8MH Rigid showing Metal Wheel.

**OPTIONAL ACCESSORIES** *more help on page 13*



- **Swivel Lock – 4 position (★-4SL)**  
–convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.
- **Sealed Swivel Assembly (-SS)**  
–prolongs caster life in harsh environments, not available with swivel lock.
- **Wheel Bearing Seals (-BS)**  
–prolong wheel life in harsh environments
- This series can be upgraded to Hamilton's new *HPI™ Swivel Technology*, consult factory for pricing.
- **Custom Engineering**  
–Hamilton engineers will custom design any caster to meet customer requirements.

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications.



**Straight Roller Bearing (H):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

**THREE YEAR WARRANTY**



The ForgeMaster™ Series (FM) is backed by Hamilton's Three Year Product Warranty. Refer to selection table for qualifying wheels.

**BRAKE CHOICES** *for more help, see page 20*

★-FB



Side Foot Brake  
[N/A with tapered bearings]

★-FRB



Rap-A-Round Foot Brake  
[N/A with tapered bearings]

★-ZB



Heavy Duty Contact Brake  
[not ★ with tapered bearings]

-B



Thumbscrew Brake

**WHEEL CHOICES** for more help, see pages 14 & 15



**Duralast®:**  
95A poly on iron—our standard urethane



**Duralast® XC:**  
70D extra hard poly on iron, higher capacity urethane



**Forged Steel:** highest capacity, tensile strength 75,000 psi



**Metal:** cast iron, heavy duty design



**Plastex:** phenolic, low cost, high capacity



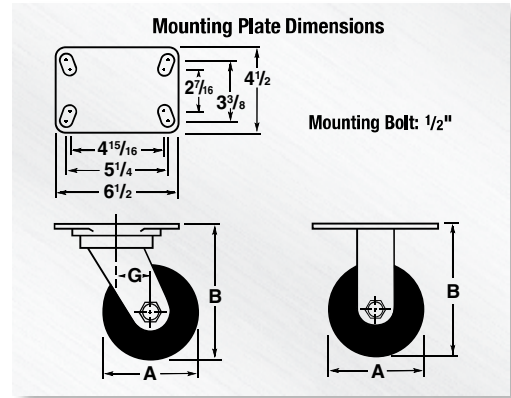
**Poly-Soft®:** 85A softer poly on iron—quieter, easy rolling, debris resistant urethane



**Moldon Rubber™:** 1" thick 70D rubber, tensile strength exceeds 1,000 psi



**Ultralast™:** 95A—the ultimate premium urethane, outperforms all other urethanes



★ = same day/next day **PRONTO®** shipment.

**FM Series Selection Table**

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset G	
	Face	Type	Replacement Number ☐	Hamilton No.† Prec. BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.	Hamilton No.† Prec. BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.				
5	2½	Duralast®	W-625-D-1	S-FM-5DH 3YR	X	17	R-FM-5DH 3YR	X	14	1300	7½	2¼	
		Duralast®	W-625-DB-¾	★ S-FM-6DB 3YR	S-FM-6DT 3YR	21	★ R-FM-6DB 3YR	R-FM-6DT 3YR	18	1600			
		Forged Steel	W-625-FSH-1	★ S-FM-6FSH	S-FM-6FST 3YR	27	★ R-FM-6FSH	R-FM-6FST 3YR	22	2200			
		Metal	W-625-M-1	★ S-FM-6MH	S-FM-6MT	20	★ R-FM-6MH	R-FM-6MT	18	2200			
		Plastex‡*	W-625-P-1	★ S-FM-6PH 3YR	S-FM-6PT 3YR	15	★ R-FM-6PH 3YR	R-FM-6PT 3YR	13	1800			
		M.O. Rubber	W-625-R-1	★ S-FM-6RH	S-FM-6RT	20	★ R-FM-6RH	R-FM-6RT	18	540			
	6	3	Duralast®	W-630-DB-¾	★ S-FM-63DB 3YR	★ S-FM-63DT 3YR	23	★ R-FM-63DB 3YR	★ R-FM-63DT 3YR	20			2200
			Duralast® XC	W-630-DB70-¾	★ S-FM-63DB70 3YR	S-FM-63DT70 3YR	30	★ R-FM-63DB70 3YR	R-FM-63DT70 3YR	24			2200
			Forged Steel	W-630-FSB-¾	★ S-FM-63FSB 3YR	★ S-FM-63FST 3YR	34	★ R-FM-63FSB 3YR	★ R-FM-63FST 3YR	30			2200
		2½	Plastex	W-630-P-1	★ S-FM-63PH	S-FM-63PT	21	★ R-FM-63PH	R-FM-63PT	17			2000
			Poly-Soft®	W-630-SPB-¾	★ S-FM-63SPB 3YR	S-FM-63SPT 3YR	23	★ R-FM-63SPB 3YR	R-FM-63SPT 3YR	20			1800
			M.O. Rubber*	W-630-R-1	★ S-FM-63RH	X	21	★ R-FM-63RH	X	19			680
8	2½	Ultralast™	W-630-TRB-¾	★ S-FM-63TRB 3YR	S-FM-63TRT 3YR	30	★ R-FM-63TRB 3YR	R-FM-63TRT 3YR	24	2200			
		Duralast®	W-825-DB-¾	★ S-FM-8DB 3YR	S-FM-8DT 3YR	27	★ R-FM-8DB 3YR	R-FM-8DT 3YR	25	2000			
		Metal	W-825-M-1	★ S-FM-8MH	S-FM-8MT	26	★ R-FM-8MH	R-FM-8MT	24	2200			
		Plastex	W-825-P-1	★ S-FM-8PH	S-FM-8PT	18	★ R-FM-8PH	R-FM-8PT	16	2000			
		M.O. Rubber	W-826-R-1	★ S-FM-8RH	S-FM-8RT	20	★ R-FM-8RH	R-FM-8RT	18	670			
		Duralast®	W-830-DB-¾	★ S-FM-83DB 3YR	★ S-FM-83DT 3YR	27	★ R-FM-83DB 3YR	★ R-FM-83DT 3YR	24	2200			
	3	Duralast® XC	W-830-DB70-¾	★ S-FM-83DB70 3YR	S-FM-83DT70 3YR	36	★ R-FM-83DB70 3YR	R-FM-83DT70 3YR	30	2200			
		Forged Steel	W-830-FSB-¾	★ S-FM-83FSB 3YR	★ S-FM-83FST 3YR	35	★ R-FM-83FSB 3YR	★ R-FM-83FST 3YR	30	2200			
		Plastex‡*	W-830-P-1	★ S-FM-83PH	S-FM-83PT	24	★ R-FM-83PH	R-FM-83PT	19	2200			
		Poly-Soft®	W-830-SPB-¾	★ S-FM-83SPB 3YR	S-FM-83SPT 3YR	27	★ R-FM-83SPB 3YR	R-FM-83SPT 3YR	24	2000			
		M.O. Rubber	W-830-R-1	★ S-FM-83RH	S-FM-83RT	27	★ R-FM-83RH	R-FM-83RT	24	840			
		Ultralast™	W-830-TRB-¾	★ S-FM-83TRB 3YR	S-FM-83TRT 3YR	36	★ R-FM-83TRB 3YR	R-FM-83TRT 3YR	30	2200			
	10	2½	Duralast®	W-1025-DB-¾	★ S-FM-10DB 3YR	S-FM-10DT 3YR	26	★ R-FM-10DB 3YR	R-FM-10DT 3YR	24	2200		
			Metal	W-1025-M-1	★ S-FM-10MH	S-FM-10MT	28	★ R-FM-10MH	R-FM-10MT	26	2200		
			Plastex	W-1025-P-1	★ S-FM-10PH	S-FM-10PT	20	★ R-FM-10PH	R-FM-10PT	17	2200		
		3	M.O. Rubber	W-1025-R-1	★ S-FM-10RH	S-FM-10RT	25	★ R-FM-10RH	R-FM-10RT	22	790		
			M.O. Rubber	W-1030-R-1	★ S-FM-13RH	S-FM-13RT	27	★ R-FM-13RH	R-FM-13RT	25	1000		

☐ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.

† Hamilton No.s ending in B = Prec. Ball Bearing, H = Straight Roller Bearing, T = Prec. Tapered Roller Bearing.

\* This wheel lubricated through lube axle. ‡ Straight-sided wheel.

**Spring-Loaded Casters** (U.S. Patent 6,357,077)



#S-SPCH-10DT-2  
Swivel showing  
Duralast® wheel

Hamilton's shock absorbing casters are built on the proven and reliable *Champion, Workhorse and Heavy Service* swivel caster platforms. This means you have lots of flexibility if you need to match an existing bolt hole pattern or a specific capacity range. The unique and simple design enables Hamilton to offer these at extremely competitive prices.

Spring loaded casters offer many benefits. These include protecting delicate cargo from shock and vibration, reducing noise levels, reducing wear on floors and extending caster, wheel and bearing life.

The legs are slotted such that the axle "floats" up and down as the wheel encounters obstacles. Since the spring is pre-loaded, the minimum capacity is required to cause the spring to yield. (A load under the minimum capacity may not result in any absorption of shock.)

At the maximum capacity, the spring will have compressed approximately one-half of its length. Overloading a shock-absorbing caster will cause the axle to reach its travel limit, resulting in no shock absorbing benefit.

These casters can be easily modified to accommodate many custom specification requirements. Our engineering department will assist you if you have special application issues.

**NEVER DISASSEMBLE A SPRING-LOADED CASTER OR REMOVE THE WHEEL FROM THE CASTER.**

The springs contain a tremendous amount of stored energy and serious injury could occur. This should only be done by trained factory personnel.

**WHEEL CHOICES** for more help, see pages 14 & 15



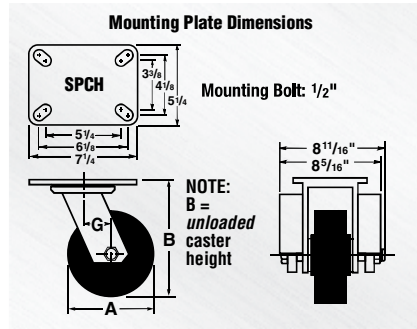
**Duralast®:** 95A poly on iron – our standard urethane

**Plastex:** phenolic, low cost, high capacity

**Poly-Soft®:** 85A softer poly on iron – quieter, easy rolling, debris resistant urethane

**Ultralast™:** 95A – the ultimate premium urethane, outperforms all other urethanes

**Unilast®:** 95A solid poly – institutional use



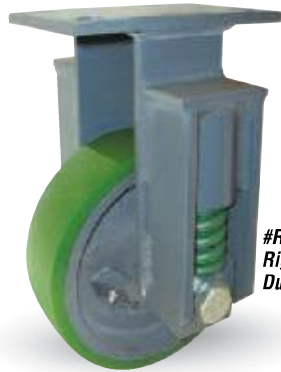
**Champion Caster- SPCH**

When ordering, specify Spring 1 or Spring 2 as a suffix to the Catalog Number: e.g. S-SPCH-83DB-2

Dia. A	Face	Wheel		Swivel Caster			Rigid Caster		Spring 1 Cap. Lbs.		Spring 2 Cap. Lbs.		Overall Height B	Swivel Offset G	
		Type	Replacement Number	Hamilton No. Roller/Prec. BB	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No. Roller/Prec. BB	Hamilton No. Tapered Brgs.	Wt. Lbs.	Min.	Max.	Min.			Max.
6	2 1/2	Duralast®	W-625-DB-3/4	S-SPCH-6DB-	S-SPCH-6DT-	33	R-SPCH-6DB-	R-SPCH-6DT-	29	140	850	270	1600	11 1/4	2 1/2
		Plastex	W-625-P-1	S-SPCH-6PH-	S-SPCH-6PT-	27	R-SPCH-6PH-	R-SPCH-6PT-	23	140	850	270	1630		
	3	Duralast®	W-630-DB-3/4	S-SPCH-63DB-	S-SPCH-63DT-	34	R-SPCH-63DB-	R-SPCH-63DT-	30	140	850	270	1630		
		Plastex	W-630-P-1	S-SPCH-63PH-	S-SPCH-63PT-	28	R-SPCH-63PH-	R-SPCH-63PT-	24	140	850	270	1630		
		Poly-Soft®	W-630-SPB-3/4	S-SPCH-63SPB-	S-SPCH-63SPT-	34	R-SPCH-63SPB-	R-SPCH-63SPT-	30	140	850	270	1630		
		Ultralast™	W-630-TRB-3/4	S-SPCH-63TRB-	S-SPCH-63TRT-	34	R-SPCH-63TRB-	R-SPCH-63TRT-	30	140	850	270	1630		
8	2 1/2	Duralast®	W-825-DB-3/4	S-SPCH-8DB-	S-SPCH-8DT-	39	R-SPCH-8DB-	R-SPCH-8DT-	37	140	850	270	1630	12 1/4	2 1/2
		Plastex	W-825-P-1	S-SPCH-8PH-	S-SPCH-8PT-	30	R-SPCH-8PH-	R-SPCH-8PT-	28	140	850	270	1630		
	3	Duralast®	W-830-DB-3/4	S-SPCH-83DB-	S-SPCH-83DT-	40	R-SPCH-83DB-	R-SPCH-83DT-	38	140	850	270	1630		
		Plastex	W-830-P-1	S-SPCH-83PH-	S-SPCH-83PT-	32	R-SPCH-83PH-	R-SPCH-83PT-	30	140	850	270	1630		
		Poly-Soft®	W-830-SPB-3/4	S-SPCH-83SPB-	S-SPCH-83SPT-	40	R-SPCH-83SPB-	R-SPCH-83SPT-	38	140	850	270	1630		
		Ultralast™	W-830-TRB-3/4	S-SPCH-83TRB-	S-SPCH-83TRT-	40	R-SPCH-83TRB-	R-SPCH-83TRT-	38	140	850	270	1630		
10	2 1/2	Duralast®	W-1025-DB-3/4	S-SPCH-10DB-	S-SPCH-10DT-	38	R-SPCH-10DB-	R-SPCH-10DT-	36	140	850	270	1630	14 1/4	2 3/8
		Plastex	W-1025-P-1	S-SPCH-10PH-	S-SPCH-10PT-	34	R-SPCH-10PH-	R-SPCH-10PT-	32	140	850	270	1630		
	3	Duralast®	W-1030-DB-3/4	S-SPCH-13DB-	S-SPCH-13DT-	44	R-SPCH-13DB-	R-SPCH-13DT-	42	140	850	270	1630		
		Plastex	W-1030-P-1	S-SPCH-13PH-	S-SPCH-13PT-	37	R-SPCH-13PH-	R-SPCH-13PT-	35	140	850	270	1630		
		Poly-Soft®	W-1030-SPB-3/4	S-SPCH-13SPB-	S-SPCH-13SPT-	44	R-SPCH-13SPB-	R-SPCH-13SPT-	42	140	850	270	1630		
		Ultralast™	W-1030-TRB-3/4	S-SPCH-13TRB-	S-SPCH-13TRT-	44	R-SPCH-13TRB-	R-SPCH-13TRT-	42	140	850	270	1630		
12	3	Duralast®	W-1230-DB-3/4	S-SPCH-12DB-	S-SPCH-12DT-	63	R-SPCH-12DB-	R-SPCH-12DT-	61	140	850	270	1630	16 1/4	2 1/2
		Plastex	W-1230-P-1	S-SPCH-12PH-	S-SPCH-12PT-	38	R-SPCH-12PH-	R-SPCH-12PT-	36	140	850	270	1630		
		Poly-Soft®	W-1230-SPB-3/4	S-SPCH-12SPB-	S-SPCH-12SPT-	63	R-SPCH-12SPB-	R-SPCH-12SPT-	61	140	850	270	1630		
		Ultralast™	W-1230-TRB-3/4	S-SPCH-12TRB-	S-SPCH-12TRT-	63	R-SPCH-12TRB-	R-SPCH-12TRT-	61	140	850	270	1630		

☐ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.

## Spring Loaded Casters



#R-SPCH-83DT-2  
Rigid showing  
Duralast® wheel

### FEATURED WHEEL BEARINGS



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.

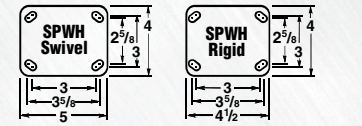


**Precision Tapered Roller Bearings (T):** best for most severe heavy duty or all power-towed applications.

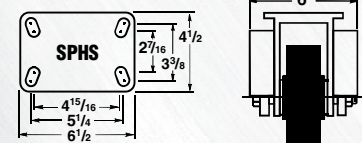


**Straight Roller Bearing (H):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

### Mounting Plate Dimensions-SPWH & SPHS



SPWH Mounting Bolt: 3/8"



SPHS Mounting Bolt: 1/2"

### Workhorse Caster- SPWH

Dia. A	Face	Wheel		Swivel Caster			Rigid Caster			Spring 1 Cap.Lbs.		Spring 2 Cap.Lbs.		Overall Height B	Swivel Offset G
		Type	Replacement Number	Hamilton No. Roller/Prec.BB	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No. Roller/Prec.BB	Hamilton No. Tapered Brgs.	Wt. Lbs.	Min.	Max.	Min.	Max.		
4	2	Duralast®	W-420-DB-½	S-SPWH-4DB-	X	13	R-SPWH-4DB-	X	10	125	620	280	750	6 5/8"	2
		Plastex	W-420-P-¾	S-SPWH-4P-	X	10	R-SPWH-4P-	X	8	125	620	280	800		
		Poly-Soft®	W-420-SPB-½	S-SPWH-4SPB-	X	13	R-SPWH-4SPB-	X	10	125	600	280	600		
		Ultralast™	W-420-TRB-½	S-SPWH-4TRB-	X	13	R-SPWH-4TRB-	X	10	125	620	280	900		
		Unilast®	W-420-UYB-½	S-SPWH-4UYB-	X	10	R-SPWH-4UYB-	X	7	125	620	280	750		
5	2	Duralast®	W-520-DB-½	S-SPWH-5DB-	S-SPWH-5DT-	13	R-SPWH-5DB-	R-SPWH-5DT-	11	125	620	280	1050	7 3/8"	
		Plastex	W-520-P-¾	S-SPWH-5P-	X	11	R-SPWH-5P-	X	8	125	620	280	1000		
		Poly-Soft®	W-520-SPB-½	S-SPWH-5SPB-	S-SPWH-5SPT-	13	R-SPWH-5SPB-	R-SPWH-5SPT-	10	125	620	280	840		
		Ultralast™	W-520-TRB-½	S-SPWH-5TRB-	S-SPWH-5TRT-	13	R-SPWH-5TRB-	R-SPWH-5TRT-	11	125	620	280	1200		
		Unilast®	W-520-UYB-½	S-SPWH-5UYB-	X	10	R-SPWH-5UYB-	X	7	125	620	280	900		
6	2	Duralast®	W-620-DB-½	S-SPWH-6DB-	S-SPWH-6DT-	15	R-SPWH-6DB-	R-SPWH-6DT-	12	125	620	280	1200	8 3/8"	2 1/4"
		Plastex	W-620-P-¾	S-SPWH-6P-	X	12	R-SPWH-6P-	X	9	125	620	280	1200		
		Poly-Soft®	W-620-SPB-½	S-SPWH-6SPB-	S-SPWH-6SPT-	13	R-SPWH-6SPB-	R-SPWH-6SPT-	12	125	620	280	960		
		Ultralast™	W-620-TRB-½	S-SPWH-6TRB-	S-SPWH-6TRT-	15	R-SPWH-6TRB-	R-SPWH-6TRT-	12	125	620	280	1200		
		Unilast®	W-620-UYB-½	S-SPWH-6UYB-	X	11	R-SPWH-6UYB-	X	8	125	620	280	1100		
8	2	Duralast®	W-820-DB-½	S-SPWH-8DB-	S-SPWH-8DT-	18	R-SPWH-8DB-	R-SPWH-8DT-	15	125	620	280	1220	10 3/8"	2 5/8"
		Plastex	W-820-P-¾	S-SPWH-8P-	X	14	R-SPWH-8P-	X	11	125	620	280	1220		
		Poly-Soft®	W-820-SPB-½	S-SPWH-8SPB-	S-SPWH-8SPT-	18	R-SPWH-8SPB-	R-SPWH-8SPT-	12	125	620	280	1200		
		Ultralast™	W-820-TRB-½	S-SPWH-8TRB-	S-SPWH-8TRT-	18	R-SPWH-8TRB-	R-SPWH-8TRT-	15	125	620	280	1220		
		Unilast®	W-820-UYB-½	S-SPWH-8UYB-	X	12	R-SPWH-8UYB-	X	9	125	620	280	1200		

When ordering, specify Spring 1 or Spring 2 as a suffix to the Catalog Number: e.g. S-SPWH-6DB-2

### Heavy Service Caster- SPHS

Dia. A	Face	Wheel		Swivel Caster			Rigid Caster			Spring 1 Cap.Lbs.		Spring 2 Cap.Lbs.		Overall Height B	Swivel Offset G
		Type	Replacement Number	Hamilton No. Roller/Prec.BB	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No. Roller/Prec.BB	Hamilton No. Tapered Brgs.	Wt. Lbs.	Min.	Max.	Min.	Max.		
4	2	Duralast®	W-420-DB-½	S-SPHS-4DB-	X	14	R-SPHS-4DB-	X	11	125	620	280	750	6 5/8"	2
		Plastex	W-420-P-¾	S-SPHS-4P-	X	12	R-SPHS-4P-	X	13	125	620	280	800		
		Poly-Soft®	W-420-SPB-½	S-SPHS-4SPB-	X	14	R-SPHS-4SPB-	X	11	125	600	280	600		
		Ultralast™	W-420-TRB-½	S-SPHS-4TRB-	X	14	R-SPHS-4TRB-	X	11	125	620	280	900		
		Unilast®	W-420-UYB-½	S-SPHS-4UYB-	X	11	R-SPHS-4UYB-	X	8	125	620	280	750		
5	2	Duralast®	W-520-DB-½	S-SPHS-5DB-	S-SPHS-5DT-	15	R-SPHS-5DB-	R-SPHS-5DT-	11	125	620	280	1050	7 3/8"	
		Plastex	W-520-P-¾	S-SPHS-5P-	X	12	R-SPHS-5P-	X	9	125	620	280	1000		
		Poly-Soft®	W-520-SPB-½	S-SPHS-5SPB-	S-SPHS-5SPT-	15	R-SPHS-5SPB-	R-SPHS-5SPT-	11	125	620	280	840		
		Ultralast™	W-520-TRB-½	S-SPHS-5TRB-	S-SPHS-5TRT-	15	R-SPHS-5TRB-	R-SPHS-5TRT-	11	125	620	280	1200		
		Unilast®	W-520-UYB-½	S-SPHS-5UYB-	X	12	R-SPHS-5UYB-	X	8	125	620	280	900		
6	2	Duralast®	W-620-DB-½	S-SPHS-6DB-	S-SPHS-6DT-	16	R-SPHS-6DB-	R-SPHS-6DT-	13	125	620	280	1200	8 3/8"	2 1/4"
		Plastex	W-620-P-¾	S-SPHS-6P-	X	13	R-SPHS-6P-	X	10	125	620	280	1200		
		Poly-Soft®	W-620-SPB-½	S-SPHS-6SPB-	S-SPHS-6SPT-	16	R-SPHS-6SPB-	R-SPHS-6SPT-	12	125	620	280	960		
		Ultralast™	W-620-TRB-½	S-SPHS-6TRB-	S-SPHS-6TRT-	16	R-SPHS-6TRB-	R-SPHS-6TRT-	13	125	620	280	1200		
		Unilast®	W-620-UYB-½	S-SPHS-6UYB-	X	12	R-SPHS-6UYB-	X	9	125	620	280	1100		
8	2	Duralast®	W-820-DB-½	S-SPHS-8DB-	S-SPHS-8DT-	20	R-SPHS-8DB-	R-SPHS-8DT-	16	125	620	280	1220	10 3/8"	2 5/8"
		Plastex	W-820-P-¾	S-SPHS-8P-	X	15	R-SPHS-8P-	X	11	125	620	280	1220		
		Poly-Soft®	W-820-SPB-½	S-SPWH-8SPB-	S-SPWH-8SPT-	20	R-SPHS-8SPB-	R-SPHS-8SPT-	16	125	620	280	1200		
		Ultralast™	W-820-TRB-½	S-SPHS-8TRB-	S-SPHS-8TRT-	20	R-SPHS-8TRB-	R-SPHS-8TRT-	16	125	620	280	1220		
		Unilast®	W-820-UYB-½	S-SPHS-8UYB-	X	14	R-SPHS-8UYB-	X	10	125	620	280	1200		

When ordering, specify Spring 1 or Spring 2 as a suffix to the Catalog Number: e.g. S-SPHS-6DB-1

☐ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.

**Endurance™ Kingpinless-Style Casters**



#S-EC-82AYB  
Swivel showing  
Polylast™ wheel

The Endurance™ Series casters represent the "best of breed" in kingpinless-style design. The top plate and inner raceway are formed from one piece, providing a superior raceway for shock conditions. Once formed, the raceways are CNC-machined and then induction hardened to ensure a uniform depth in hardness of the swivel raceway. A sealing cap is welded to the outer race to assure protection from foreign material and to keep grease in the raceway.

All Endurance™ Series casters are finished in bright zinc plating and come standard with a choice of ten different wheel types. Standard bearing selections include double sealed precision ball bearings, precision tapered bearings, or straight roller bearings.

**QUALITY FEATURES**

**Swivel Construction** – forged steel top plate and fork base; ¼" x 2" plate steel legs on 2" wheel widths and ⅝" x 2½" plate steel legs on 3" wheel widths. Legs welded inside and outside to forged steel horn base. Finished in bright zinc plate.



**Load Bearing** – Induction hardened and CNC-machined raceway: 2⅜" swivel diameter with ⅝" balls in 2" wheel widths and 3" diameter raceway with ½" balls in 3" wide wheels.

**Axle** – ½" diameter hex head with lock nut in 2" wheel widths or ¾" diameter in 3" wheel widths.

**Lubrication Fittings** – ball-check type in swivel assembly and wheel hub.



#R-EC-83FST  
Rigid model showing Forged Steel Wheel



**OPTIONAL ACCESSORIES** *more help on page 13*

- **Swivel Lock – 4 position field installable (★-4SL)**  
– convert swivel to rigid for straight line steering
- **Wheel Bearing Seals (-BS/-DS)**  
–prolongs wheel life in harsh environments

**FEATURED WHEEL BEARINGS**



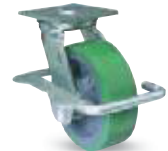
**BRAKE CHOICES** *for more help, see page 20*

★-FB



Side Foot Brake  
[N/A with tapered bearings]

★-FRB



Rap-A-Round Foot Brake  
[N/A with tapered bearings]

★-ZB



Heavy Duty Contact Brake,  
[not ★ with tapered bearings]

-B



Thumbscrew Brake

★ = same day/next day PRONTO® shipment.

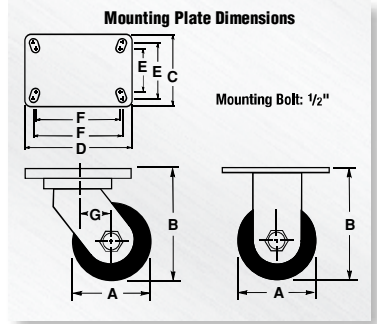
**EC Series Selection Table Part 1 of 2**

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset G	Mounting Plate		
	Face	Type	Replacement Number □	Hamilton No. Roller/Prec. BB	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No. Roller/Prec. BB	Hamilton No. Tapered Brgs.	Wt. Lbs.				Size C & D	Holes E & F	Bolt Size
4	1½	Forged Steel	W-415-FS-¾	★S-EC-4FS 3YR	X	9	★R-EC-4FS 3YR	X	8	1400	5%	1%	4 x 4½	2½ x 3% slotted to 3 x 3	%
		Duralast®	W-420-DB-½	★S-EC-4DB 3YR	X	9	★R-EC-4DB 3YR	X	7	750					
	Duralast®XC	W-420-DB70-½	★S-EC-4DB70 3YR	X	9	★R-EC-4DB70 3YR	X	7	975						
	Metal	W-420-MB-½	★S-EC-4MB	X	8	★R-EC-4MB	X	6	1000						
	Nylast™‡	W-420-NYB-½	★S-EC-4NYB	X	6	★R-EC-4NYB	X	5	2000						
	Plastex*	W-420-P-¾	★S-EC-4P	X	6	★R-EC-4P	X	5	800						
	Polylast™	W-422-AYB-½	★S-EC-42AYB	X	9	★R-EC-42AYB	X	7	300						
	Poly-Soft®	W-420-SPB-½	★S-EC-4SPB 3YR	X	9	★R-EC-4SPB 3YR	X	7	600						
	Swivel-EAZ™	W-420-SWF-½	★S-EC-4SWF 3YR	X	12	★R-EC-4SWF 3YR	X	9	875						
Ultralast™	W-420-TRB-½	S-EC-4TRB 3YR	X	9	R-EC-4TRB 3YR	X	7	900							
5	2	Duralast®	W-520-DB-½	★S-EC-5DB 3YR	★S-EC-5DT 3YR	10	★R-EC-5DB 3YR	★R-EC-5DT 3YR	8	1050	6%	1%			
		Duralast®XC	W-520-DB70-½	★S-EC-5DB70 3YR	S-EC-5DT70 3YR	10	★R-EC-5DB70 3YR	R-EC-5DT70 3YR	8	1360					
	Forged Steel	W-5-FS-¾	★S-EC-5FS	S-EC-5FST 3YR	10	★R-EC-5FS	R-EC-5FST 3YR	9	1500						
	Metal	W-520-MB-½	★S-EC-5MB	X	10	★R-EC-5MB	X	8	1300						
	Plastex	W-520-P-¾	★S-EC-5P	X	7	★R-EC-5P	X	5	1000						
	Poly-Soft®	W-520-SPB-½	★S-EC-5SPB 3YR	★S-EC-5SPT 3YR	9	★R-EC-5SPB 3YR	★R-EC-5SPT 3YR	8	840						
	Ultralast™	W-520-TRB-½	S-EC-5TRB 3YR	S-EC-5TRT 3YR	10	R-EC-5TRB 3YR	R-EC-5TRT 3YR	8	1250						



**WHEEL CHOICES** for more help, see pages 14 & 15



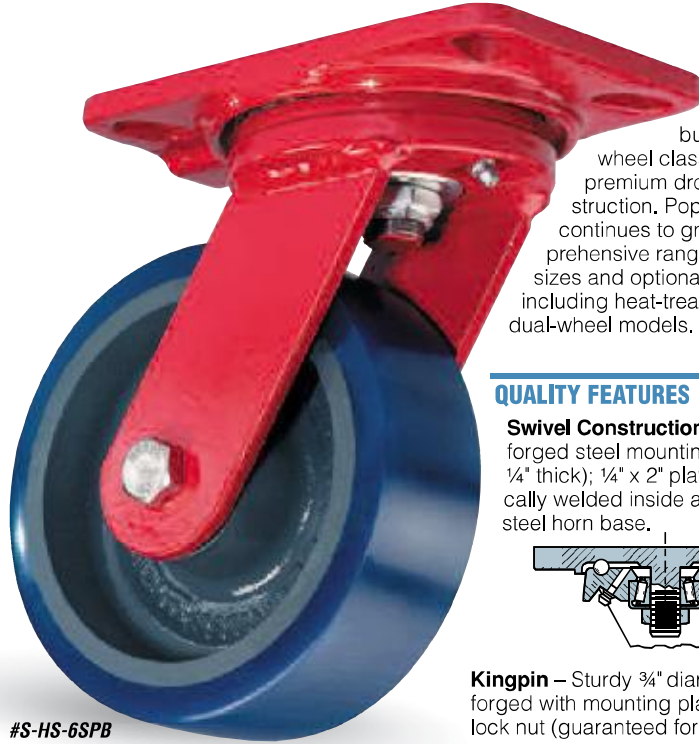
**EC Series Selection Table Part 2 of 2**

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset G	Mounting Plate		
	Face	Type	Replacement Number <sup>α</sup>	Hamilton No.† Roller/Prec. BB	Hamilton No.† Tapered Brgs.	Wt. Lbs.	Hamilton No.† Roller/Prec. BB	Hamilton No.† Tapered Brgs.	Wt. Lbs.				Size C x D	Holes E & F	Bolt Size
6	2	Duralast®	W-620-DB-½	★ S-EC-6DB 3YR	★ S-EC-6DT 3YR	11	★ R-EC-6DB 3YR	★ R-EC-6DT 3YR	10	1200	7½	1⅞	4 x 4½	2⅝ x 3⅝ slotted to 3 x 3	¾
		Duralast®XC	W-620-DB70-½	★ S-EC-6DB70 3YR	S-EC-6DT70 3YR	11	★ R-EC-6DB70 3YR	R-EC-6DT70 3YR	10	1560					
		Forged Steel	W-620-FS-¾	★ S-EC-6FS 3YR	S-EC-6FST 3YR	13	★ R-EC-6FS 3YR	R-EC-6FST 3YR	11	2000					
		Metal	W-620-MB-½	★ S-EC-6MB	X	11	★ R-EC-6MB	X	10	1400					
		Nylast™ ‡	W-620-NYB-½	★ S-ES-6NYB	X	12	★ R-EC-6NYB	X	10	2000					
		Plastex	W-620-P-¾	★ S-EC-6P	X	8	★ R-EC-6P	X	7	1200					
		Polyast™	W-622-AYB-½	★ S-EC-62AYB 3YR	X	10	★ R-EC-62AYB 3YR	X	8	600					
	Poly-Soft®	W-620-SPB-½	★ S-EC-6SPB 3YR	S-EC-6SPT 3YR	11	★ R-EC-6SPB 3YR	R-EC-6SPT 3YR	10	960						
	Swivel-EAZ™	W-620-SWF-½	★ S-EC-6SWF 3YR	X	12	★ R-EC-6SWF 3YR	X	9	1400						
	Ultralast™	W-620-TRB-½	★ S-EC-6TRB 3YR	S-EC-6TRT 3YR	11	★ R-EC-6TRB 3YR	R-EC-6TRT 3YR	10	1200						
	Duralast®	W-630-DB-¾	★ S-EC-63DB 3YR	★ S-EC-63DT 3YR	19	★ R-EC-63DB 3YR	★ R-EC-63DT 3YR	16	2200						
	Duralast®XC	W-630-DB70-¾	★ S-EC-63DB70 3YR	S-EC-63DT70 3YR	19	★ R-EC-63DB70 3YR	R-EC-63DT70 3YR	16	2860						
	Forged Steel	W-630-FSB-¾	★ S-EC-63FSB 3YR	★ S-EC-63FST 3YR	27	★ R-EC-63FSB 3YR	★ R-EC-63FST 3YR	24	3000						
	Metal	W-630-MB-¾	★ S-EC-63MB	S-EC-63MT	19	★ R-EC-63MB	R-EC-63MT	16	2500						
Nylast™ ‡	W-630-NYB-¾	★ S-ES-63NYB	X	18	★ R-EC-63NYB	X	16	3000							
Plastex† *	W-630-P-1	★ S-EC-63P	S-EC-63PT	17	★ R-EC-63P	R-EC-63PT	14	2000							
Poly-Soft®	W-630-SPB-¾	★ S-EC-63SPB 3YR	S-EC-63SPT 3YR	19	★ R-EC-63SPB 3YR	R-EC-63SPT 3YR	16	1800							
Ultralast™	W-630-TRB-¾	★ S-EC-63TRB 3YR	S-EC-63TRT 3YR	19	★ R-EC-63TRB 3YR	R-EC-63TRT 3YR	16	2600							
8	2	Duralast®	W-820-DB-½	★ S-EC-8DB 3YR	★ S-EC-8DT 3YR	14	★ R-EC-8DB 3YR	★ R-EC-8DT 3YR	13	1500	9½	2	4 x 4½	2⅝ x 3⅝ slotted to 3 x 3	¾
		Duralast®XC	W-820-DB70-½	★ S-EC-8DB70 3YR	S-EC-8DT70 3YR	14	★ R-EC-8DB70 3YR	R-EC-8DT70 3YR	12	1950					
		Metal	W-820-MB-½	★ S-EC-8MB	X	13	★ R-EC-8MB	X	12	1500					
		Nylast™ ‡	W-820-NYB-½	★ S-EC-8NYB	X	14	★ R-EC-8NYB	X	12	2000					
		Plastex	W-820-P-¾	★ S-EC-8P	X	9	★ R-EC-8P	X	8	1400					
		Polyast™	W-822-AYB-½	★ S-EC-82AYB 3YR	X	10	★ R-EC-82AYB 3YR	X	9	1000					
		Poly-Soft®	W-820-SPB-½	★ S-EC-8SPB 3YR	S-EC-8SPT 3YR	14	★ R-EC-8SPB 3YR	R-EC-8SPT 3YR	12	1200					
	Swivel-EAZ™	W-820-SWF-½	★ S-EC-8SWF 3YR	X	12	★ R-EC-8SWF 3YR	X	2000							
	Ultralast™	W-820-TRB-½	★ S-EC-8TRB 3YR	S-EC-8TRT 3YR	14	★ R-EC-8TRB 3YR	R-EC-8TRT 3YR	12	1800						
	Duralast®	W-830-DB-¾	★ S-EC-83DB 3YR	★ S-EC-83DT 3YR	25	★ R-EC-83DB 3YR	★ R-EC-83DT 3YR	22	2500						
	Duralast®XC	W-830-DB70-¾	★ S-EC-83DB70 3YR	S-EC-83DT70 3YR	25	★ R-EC-83DB70 3YR	R-EC-83DT70 3YR	22	3000						
	Forged Steel	W-830-FSB-¾	★ S-EC-83FSB 3YR	★ S-EC-83FST 3YR	28	★ R-EC-83FSB 3YR	★ R-EC-83FST 3YR	25	3000						
	Metal	W-830-MB-¾	★ S-EC-83MB	S-EC-83MT	26	★ R-EC-83MB	R-EC-83MT	23	2600						
	Nylast™ ‡	W-830-NYB-¾	★ S-ES-83NYB	X	19	★ R-EC-83NYB	X	17	3000						
Plastex† *	W-830-P-1	★ S-EC-83P	S-EC-83PT	18	★ R-EC-83P	R-EC-83PT	15	3000							
Poly-Soft®	W-830-SPB-¾	★ S-EC-83SPB 3YR	S-EC-83SPT 3YR	25	★ R-EC-83SPB 3YR	R-EC-83SPT 3YR	22	2000							
Ultralast™	W-830-TRB-¾	★ S-EC-83TRB 3YR	S-EC-83TRT 3YR	25	★ R-EC-83TRB 3YR	R-EC-83TRT 3YR	22	3000							
10	3	Duralast®	W-1030-DB-¾	★ S-EC-13DB 3YR	★ S-EC-13DT 3YR	29	★ R-EC-13DB 3YR	★ R-EC-13DT 3YR	26	3000	11½	2¾	4½ x 6¼	2⅞ x 4 slotted to 3⅝ x 5¼	½
		Duralast®XC	W-1030-DB70-¾	★ S-EC-13DB70 3YR	S-EC-13DT70 3YR	29	R-EC-13DB70 3YR	R-EC-13DB70 3YR	26	3000					
		Forged Steel	W-1030-FSB-¾	★ S-EC-13FSB 3YR	★ S-EC-13FST 3YR	36	★ R-EC-13FSB 3YR	★ R-EC-13FST 3YR	33	3000					
		Metal	W-1030-M-1	★ S-EC-13M	S-EC-13MT 3YR	27	★ R-EC-13M	R-EC-13MT 3YR	24	2600					
		Plastex	W-1030-P-1	★ S-EC-13P	S-EC-13PT	22	★ R-EC-13P	R-EC-13PT	19	2900					
		Poly-Soft®	W-1030-SPB-¾	★ S-EC-13SPB 3YR	S-EC-13SPT 3YR	29	★ R-EC-13SPB 3YR	R-EC-13SPT 3YR	26	2400					
		Ultralast™	W-1030-TRB-¾	S-EC-13TRB 3YR	S-EC-13TRT 3YR	29	R-EC-13TRB 3YR	R-EC-13TRT 3YR	26	3000					

<sup>α</sup> With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.  
<sup>†</sup> Hamilton No.s ending in B = Prec. Ball Bearing, T = Prec. Tapered Roller Bearing, any other letter = Straight Roller Bearing.  
<sup>\*</sup> This wheel lubricated through lube axle. <sup>‡</sup> Straight-sided wheel.

**Heavy Service Casters**



#S-HS-6SPB  
Swivel showing  
Poly-Soft® wheel

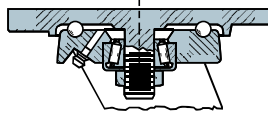


#R-HS-6FST Rigid Heavy Service showing a Forged Steel Wheel.

Hamilton's Heavy Service Casters are the toughest casters you can buy in the 2" wide wheel class because of their premium drop forged steel construction. Popularity of this series continues to grow due to the comprehensive range of wheel types, sizes and optional extras available, including heat-treated raceways and dual-wheel models.

**QUALITY FEATURES**

**Swivel Construction** 5/16" thick drop forged steel mounting plate (rigid plate 1/4" thick); 1/4" x 2" plate steel legs robotically welded inside and outside to forged steel horn base.



**Kingpin** – Sturdy 3/4" diameter integrally forged with mounting plate, threaded for lock nut (guaranteed for life!).

**Main Load Bearing** – CNC-machined 3/4" diameter raceway; 3/8" diameter hardened and polished steel balls.

**Secondary Load Bearing** – 3/4" precision tapered thrust bearing counteracts radial thrust.

**Axle** – 1/2" diameter hex head with lock nut.

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.

**THREE YEAR WARRANTY**



The Heavy Service Series (HS) is backed by Hamilton's Three Year Product Warranty. Refer to selection table for qualifying wheels.

**OPTIONAL ACCESSORIES** more help on page 13



- **Swivel Lock—4 position (★-4SL)**  
–convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.



- **Sealed Swivel Assembly (-SS)**  
–prolongs caster life in harsh environments, not available with swivel lock.
- **Wheel Bearing Seals (-BS)**  
–prolong wheel life in harsh environments.



- **Dual-Wheel Models**  
–minimize overall height & maximize capacity, see pages 34 & 35.



- **Spring Loaded Models**—see page 41
- This series is available with Hamilton's new HPI™ Swivel Technology, See the new EHS Series on page 37.
- **Custom Engineering**  
–Hamilton engineers will custom design any caster to meet customer requirements.

**BRAKE CHOICES** for more help, see page 20

★-FB



Side Foot Brake  
[N/A with tapered bearings]

★-FRB



Rap-A-Round Foot Brake  
[except 3 1/4" models,  
N/A with tapered bearings]

★-ZB



Heavy Duty Contact Brake.  
[except 3 1/4" models, not ★  
with tapered bearings]

-B



Thumbscrew Brake

## Heavy Service Casters

### WHEEL CHOICES *for more help, see pages 14 & 15*



### FEATURED WHEEL BEARINGS

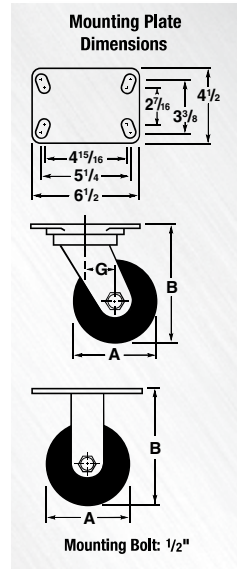


★ = same day/next day **PRONTO®** shipment.

### HS Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Ttl. Hgt. B	Swiv. Off. G
	Face	Type	Replacement Number ☒	Hamilton No. † Roller/Prec. BB	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No. † Roller/Prec. BB	Hamilton No. Tapered Brgs.	Wt. Lbs.			
3 3/4	2	Duralast®*	W-320-D-3/4	★S-HS-3D	X	10	★R-HS-3D	X	6	575	5 1/4	1 3/4
		Plastex*	W-320-P-3/4	★S-HS-3P	X	8	★R-HS-3P	X	4	700		
4	1 1/2	Forged Steel	W-415-FS-3/4	★S-HS-4FS	X	13	★R-HS-4FS	X	9	1400	5 1/2	1 3/4
		Duralast®	W-420-DB-1/2	★S-HS-4DB	X	12	★R-HS-4DB	X	8	750		
		Duralast XC	W-420-DB70-1/2	★S-HS-4DB70	X	12	★R-HS-4DB70	X	8	975		
		Metal*	W-420-MB-1/2	★S-HS-4MB	X	11	★R-HS-4MB	X	8	1000		
		Nylast™‡	W-420-NYB-1/2	★S-HS-4NYB	X	10	★R-HS-4NYB	X	8	2000		
	2	Plastex*	W-420-P-3/4	★S-HS-4P	X	9	★R-HS-4P	X	5	800		
		Polylast™	W-422-AYB-1/2	★S-HS-42AYB	X	10	★R-HS-42AYB	X	6	300		
		Poly-Soft®	W-420-SPB-1/2	★S-HS-4SPB	X	12	★R-HS-4SPB	X	7	600		
		M.O. Rubber*	W-420-R-3/4	★S-HS-4R	X	11	★R-HS-4R	X	7	300		
		Swivel-EAZ™	W-420-SWF-1/2	★S-HS-4SWF	X	11	★R-HS-4SWF	X	7	800		
5	2	UltraSoft™	W-420-TRB-1/2	S-HS-4TRB	X	12	R-HS-4TRB	X	8	900	6 3/4	2
		Duralast®	W-520-DB-1/2	★S-HS-5DB	X	12	★R-HS-5DB	X	8	1050		
		Duralast XC	W-520-DB70-1/2	★S-HS-5DB70	X	12	★R-HS-5DB70	X	8	1360		
		Forged Steel	W-5-FS-3/4	★S-HS-5FS	X	15	★R-HS-5FS	X	10	1500		
		Metal	W-520-MB-1/2	★S-HS-5MB	X	14	★R-HS-5MB	X	9	1300		
		Plastex	W-520-P-3/4	★S-HS-5P	X	10	★R-HS-5P	X	6	1000		
		Poly-Soft®	W-520-SPB-1/2	★S-HS-5SPB	X	12	★R-HS-5SPB	X	8	840		
		M.O. Rubber	W-520-R-3/4	★S-HS-5R	X	11	★R-HS-5R	X	7	350		
		UltraSoft™	W-520-TRB-1/2	S-HS-5TRB	X	12	R-HS-5TRB	X	8	1250		
		6	2	Duralast®	W-620-DB-1/2	★S-HS-6DB	X	13	★R-HS-6DB	X		
Duralast XC	W-620-DB70-1/2			★S-HS-6DB70	X	12	★R-HS-6DB70	X	8	1560		
Forged Steel	W-620-FSB-1/2			★S-HS-6FSB	X	17	★R-HS-6FSB	X	12	2000		
Metal	W-620-MB-1/2			★S-HS-6MB	X	15	★R-HS-6MB	X	11	1400		
Nylast™‡	W-620-NYB-1/2			★S-HS-6NYB	X	15	★R-HS-6NYB	X	11	2000		
Plastex	W-620-P-3/4			★S-HS-6P	X	11	★R-HS-6P	X	7	1200		
Polylast™	W-622-AYB-1/2			★S-HS-62AYB	X	11	★R-HS-62AYB	X	9	600		
Poly-Soft®	W-620-SPB-1/2			★S-HS-6SPB	X	13	★R-HS-6SPB	X	10	960		
M.O. Rubber	W-620-R-3/4			★S-HS-6R	X	12	★R-HS-6R	X	9	410		
Swivel-EAZ™	W-620-SWF-1/2			★S-HS-6SWF	X	14	★R-HS-6SWF	X	10	1700		
8	2	UltraSoft™	W-620-TRB-1/2	★S-HS-6TRB	X	13	★R-HS-6TRB	X	10	1400	9 3/4	2 3/4
		Duralast®	W-820-DB-1/2	★S-HS-8DB	X	17	★R-HS-8DB	X	14	1500		
		Duralast XC	W-820-DB70-1/2	★S-HS-8DB70	X	17	★R-HS-8DB70	X	14	1950		
		Metal	W-820-MB-1/2	★S-HS-8MB	X	19	★R-HS-8MB	X	16	1500		
		Nylast™‡	W-820-NYB-1/2	★S-HS-8NYB	X	17	★R-HS-8NYB	X	13	2000		
		Plastex	W-820-P-3/4	★S-HS-8P	X	12	★R-HS-8P	X	9	1400		
		Polylast™	W-822-AYB-1/2	★S-HS-82AYB	X	12	★R-HS-82AYB	X	11	1000		
		Poly-Soft®	W-820-SPB-1/2	★S-HS-8SPB	X	17	★R-HS-8SPB	X	14	1200		
		M.O. Rubber	W-820-R-3/4	★S-HS-8R	X	15	★R-HS-8R	X	12	500		
		Swivel-EAZ™	W-820-SWF-1/2	★S-HS-8SWF	X	15	★R-HS-8SWF	X	11	2000		
UltraSoft™	W-820-TRB-1/2	★S-HS-8TRB	X	17	★R-HS-8TRB	X	14	1800				



☒ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.  
 † Hamilton No.s ending in B = Prec. Ball Bearing, T = Prec. Tapered Roller Bearing, any other letter = Straight Roller Bearing.  
 \* This wheel lubricated through lube axle. ‡ Straight-sided wheel.

**Workhorse Casters**



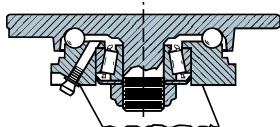
#S-WH-6DB  
Swivel showing  
Duralast® wheel

The *Workhorse* combines the forged steel strength of Hamilton's *HS Caster Series* (page 44-45) and the bolt hole pattern of the *Standard Duty 52 Series* (page 52-53). The drop forged steel swivel caster construction in-cludes a 3/4" diameter integrally forged steel kingpin (guaranteed for life!), and a precision secondary load bearing.

When your application is too tough for the *Standard Duty 52 Series*, but you need to match its specifications, *Workhorse* is up to the challenge.

**QUALITY FEATURES**

**Swivel Construction** – 1/4" thick drop forged steel mounting plate; 1/4" x 2" plate steel legs robotically welded inside and outside to forged steel horn base.



**Kingpin** – Sturdy 3/4" diameter integrally forged with mounting plate, guaranteed for life, and threaded for 3/4" lock nut.

**Main Load Bearing** – CNC-machined 2 9/16" diameter raceway; 3/8" diameter hardened and polished steel balls.

**Secondary Load Bearing** – 3/4" precision tapered thrust bearing counteracts radial thrust.

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.



#R-WH-6SWF Rigid Workhorse showing new Swivel-EAZ® Wheel.



#R-WH-6TRB Rigid Workhorse showing new Ultralast™ Wheel.

**THREE YEAR WARRANTY**



The *Workhorse Series* is backed by Hamilton's *Three Year Product Warranty*. Refer to selection table for qualifying wheels.



**OPTIONAL ACCESSORIES** *more help on page 13*



- **Swivel Lock-4 position (★-4SL)**  
–convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.



- **Sealed Swivel Assembly (-SS)**  
– prolongs caster life in harsh environments
- **Wheel Bearing Seals (-BS)**  
–prolong wheel life in harsh environments



- **Spring Loaded Models** (see page 41).
- **Heat Treated Raceways**  
–reduce wear in power-towed applications
- **Custom Engineering**  
–Hamilton engineers will custom design any caster to meet customer requirements.

**BRAKE CHOICES** *for more help, see page 20*

★-FB



Side Foot Brake  
[N/A with tapered bearings]

★-FRB



Rap-A-Round Foot Brake  
[except 3 1/4" models,  
N/A with tapered bearings]

★-ZB



Heavy Duty Contact Brake.  
[except 3 1/4" models,  
not ★ with tapered bearings]

-B



Thumbscrew Brake

#### WHEEL CHOICES *for more help, see pages 14 & 15*



**Duralast®:**  
95A poly on iron—our standard urethane



**Duralast® XC:**  
70D extra hard poly on iron, higher capacity urethane



**Forged Steel:**  
highest capacity, tensile strength 75,000 psi



**Metal:**  
cast iron, heavy duty design



**Nylast™:** high capacity cast nylon, corrosion resistant



**Plastex:** phenolic, low cost, high capacity



**Polylast™:** Donut Tread 85A Poly on Aluminum Core



**Poly-Soft®:** 85A softer poly on iron—quieter, easy rolling, debris resistant urethane



**Swivel-EAZ®:** Twin Wheel Poly on Aluminum, easy turning



**Moldon Rubber:** 1" thick 70D rubber, tensile strength exceeds 1,000 psi



**Ultralast™:** 95A—the ultimate premium urethane, outperforms all other urethanes

#### FEATURED WHEEL BEARINGS



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications; not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings (T):** best for most severe heavy duty and power-towed applications



**Straight Roller Bearing (L):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

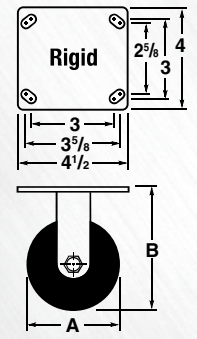
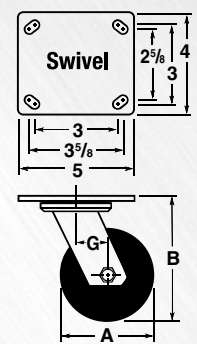
★ = same day/next day **PRONTO®** shipment.

#### WH Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Total Height B	Swiv. Offset G
	Face	Type	Replacement Number †	Hamilton No. † Roller/Prec. BB	Hamilton No. Tapered Brgs	Wt. Lbs.	Hamilton No. † Roller/Prec. BB	Hamilton No. Tapered Brgs	Wt. Lbs.			
3 1/2	2	Duralast®*	W-320-D-3/4	★ S-WH-3D	X	9	★ R-WH-3D	X	6	575	5 1/4	1 3/4
		Plastex*	W-320-P-3/4	★ S-WH-3P	X	7	★ R-WH-3P	X	4	700		
4	1 1/2	Forged Steel	W-415-FS-3/4	★ S-WH-4FS	X	12	★ R-WH-4FS	X	8	1400	5 1/2	1 3/4
		Duralast®	W-420-DB-1/2	★ S-WH-4DB	X	11	★ R-WH-4DB	X	7	750		
	Duralast XC	W-420-DB70-1/2	★ S-WH-4DB70	X	11	★ R-WH-4DB70	X	7	975			
	Metal*	W-420-MB-1/2	★ S-WH-4MB	X	11	★ R-WH-4MB	X	8	1000			
	Nylast™±	W-420-NYB-1/2	★ S-WH-4NYB	X	10	★ R-WH-4NYB	X	7	2000			
	Plastex*	W-420-P-3/4	★ S-WH-4P	X	8	★ R-WH-4P	X	5	800			
	Polylast	W-422-AYB-1/2	★ S-WH-42AYB	X	9	★ R-WH-42AYB	X	7	300			
	Poly-Soft®	W-420-SPB-1/2	★ S-WH-4SPB	X	11	★ R-WH-4SPB	X	7	600			
	M.O. Rubber*	W-420-R-3/4	★ S-WH-4R	X	10	★ R-WH-4R	X	7	300			
	Swivel-EAZ™	W-420-SWF-1/2	★ S-WH-4SWF	X	9	★ R-WH-4SWF	X	6	800			
Ultralast™	W-420-TRB-1/2	S-WH-4TRB	X	11	R-WH-4TRB	X	7	900				
5	2	Duralast®	W-520-DB-1/2	★ S-WH-5DB	X	11	★ R-WH-5DB	X	8	1050	6 1/2	1 1/8
		Duralast XC	W-520-DB70-1/2	★ S-WH-5DB70	X	11	★ R-WH-5DB70	X	8	1360		
		Forged Steel	W-5-FS-3/4	★ S-WH-5FS	X	14	★ R-WH-5FS	X	11	1500		
		Metal	W-520-MB-1/2	★ S-WH-5MB	X	12	★ R-WH-5MB	X	9	1300		
		Plastex	W-520-P-3/4	★ S-WH-5P	X	10	★ R-WH-5P	X	6	1000		
		Poly-Soft®	W-520-SPB-1/2	★ S-WH-5SPB	X	11	★ R-WH-5SPB	X	8	840		
		M.O. Rubber	W-520-R-3/4	★ S-WH-5R	X	11	★ R-WH-5R	X	8	350		
		Ultralast™	W-520-TRB-1/2	S-WH-5TRB	X	11	R-WH-5TRB	X	8	1250		
6	2	Duralast®	W-620-DB-1/2	★ S-WH-6DB	X	14	★ R-WH-6DB	X	10	1200	7 1/2	2
		Duralast XC	W-620-DB70-1/2	★ S-WH-6DB70	X	14	★ R-WH-6DB70	X	10	1560		
		Forged Steel	W-620-FSB-1/2	★ S-WH-6FSB	X	15	★ R-WH-6FSB	X	12	2000		
		Metal	W-620-MB-1/2	★ S-WH-6MB	X	14	★ R-WH-6MB	X	11	1400		
		Nylast™±	W-620-NYB-1/2	★ S-WH-6NYB	X	13	★ R-WH-6NYB	X	10	2000		
		Plastex	W-620-P-3/4	★ S-WH-6P	X	11	★ R-WH-6P	X	7	1200		
		Polylast™	W-622-AYB-1/2	★ S-WH-62AYB	X	10	★ R-WH-62AYB	X	8	1200		
		Poly-Soft®	W-620-SPB-1/2	★ S-WH-6SPB	X	14	★ R-WH-6SPB	X	10	600		
		M.O. Rubber	W-620-R-3/4	★ S-WH-6R	X	12	★ R-WH-6R	X	9	410		
		Swivel-EAZ™	W-620-SWF-1/2	★ S-WH-6SWF	X	11	★ R-WH-6SWF	X	7	1700		
Ultralast™	W-620-TRB-1/2	★ S-WH-6TRB	X	14	★ R-WH-6TRB	X	10	1400				
8	2	Duralast®	W-820-DB-1/2	★ S-WH-8DB	X	17	★ R-WH-8DB	X	14	1500	9 1/2	2 3/8
		Duralast XC	W-820-DB70-1/2	★ S-WH-8DB70	X	17	★ R-WH-8DB70	X	14	1950		
		Metal	W-820-MB-1/2	★ S-WH-8MB	X	19	★ R-WH-8MB	X	16	1500		
		Nylast™±	W-820-NYB-1/2	★ S-WH-8NYB	X	15	★ R-WH-8NYB	X	12	2000		
		Plastex	W-820-P-3/4	★ S-WH-8P	X	12	★ R-WH-8P	X	8	1400		
		Polylast™	W-822-AYB-1/2	★ S-WH-82AYB	X	15	★ R-WH-82AYB	X	10	1000		
		Poly-Soft®	W-820-SPB-1/2	★ S-WH-8SPB	X	17	★ R-WH-8SPB	X	14	1200		
		M.O. Rubber	W-820-R-3/4	★ S-WH-8R	X	15	★ R-WH-8R	X	11	500		
		Swivel-EAZ™	W-820-SWF-1/2	★ S-WH-8SWF	X	12	★ R-WH-8SWF	X	8	2000		
		Ultralast™	W-820-TRB-1/2	★ S-WH-8TRB	X	17	★ R-WH-8TRB	X	14	1800		

#### Mounting Plate Dimensions



Mounting Bolt: 3/8"

‡ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.  
 † Hamilton No.s ending in B = Prec. Ball Bearing, T = Prec. Tapered Roller Bearing, any other letter = Straight Roller Bearing.  
 \* This wheel lubricated through lube axle. ‡ Straight-sided wheel.

## Stainless Steel Workhorse Casters



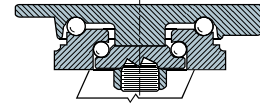
#S-WHS-6SB  
Swivel showing  
Stainless Steel wheel

This caster is designed for extra heavy loads in severe applications where corrosive environments or sanitary considerations demand having all fork and hardware components of stainless steel. Rated up to 1,600 lbs. capacity, the forged stainless steel swivel caster construction includes a 3/4" diameter integrally forged kingpin that is guaranteed for life!

Each caster undergoes a special process after fabrication to insure the removal of embedded contaminants, edge burrs, and surface stresses. The resulting high-lustre finish not only enhances appearance but provides a smoother, less porous surface that's impervious to dirt and easier to clean – making these casters ideal for chemical factories, food production facilities, pharmaceutical houses, and other wash-down environments. For lighter duty stainless steel casters, see pages 52 and 53.

### QUALITY FEATURES

**Swivel Construction** – 1/4" thick forged stainless steel mounting plate; 1/4" x 2" plate steel legs robotically welded inside and outside to forged stainless steel horn base.



**Kingpin** – Sturdy 3/4" dia integrally forged with mounting plate, threaded for lock nut.

**Main Load Bearing** – Machined raceway with 5/16" diameter stainless steel balls.

**Secondary Load Bearing** – Machined raceway with 5/16" dia. stainless steel balls

**Axle** – Stainless steel, 1/2" diameter hex head with lock nut.

**Lubrication Fittings** – Stainless Steel ball-check type in swivel assembly.

### FEATURED WHEEL BEARINGS



**Precision Ball Bearings (B)**: double shielded stainless steel precision ball bearing (Type 440C).



**Delrin® Bearings (Z)**: chemical and corrosion resistant plastic-type bearing.

### WHEEL CHOICES for more help, see pages 14 & 15



★-SFB



Stainless Steel Side Foot Brake

★-SZB



Stainless Steel Heavy Duty Contact Brake

### OPTIONAL ACCESSORIES for more help on page 13

- Swivel Lock – 4-position (★-4SL)
- Sealed Swivel Assembly (-SS)

★ = same day/next day **PRONTO®** shipment.

### WHS Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Face	Wheel Type	Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset G
			Hamilton No. Precision Ball Brgs.	Hamilton No. Delrin Brgs.	Wt. Lbs.	Hamilton No. Precision Ball Brgs.	Hamilton No. Delrin Brgs.	Wt. Lbs.			
4	2	Aqualite®	X	★ S-WHS-4AZ	6	X	★ R-WHS-4AZ	4	550	5%	1 3/4
		Nylast™	★ S-WHS-4NYSB	X	★ R-WHS-4NYSB	X	8	1600			
		Poly-Tech®	X	★ S-WHS-4NFZ	6	X	★ R-WHS-4NFZ	4	750		
		Stainless Steel	★ S-WHS-4SB 3YR	★ S-WHS-4SZ	13	★ R-WHS-4SB 3YR	★ R-WHS-4SZ	10	850		
		Stainless Steel V	★ S-WHS-4SVB	★ S-WHS-4SVZ	12	★ R-WHS-4SVB	★ R-WHS-4SVZ	10	850		
		Unilast®	★ S-WHS-4UYSB	★ S-WHS-4UYZ	6	★ R-WHS-4UYSB	★ R-WHS-4UYZ	4	750		
5	2	Aqualite®	X	★ S-WHS-5AZ	7	X	★ R-WHS-5AZ	4	650	6 1/2	2
		Poly-Tech®	X	★ S-WHS-5NFZ	7	X	★ R-WHS-5NFZ	4	1000		
		Stainless Steel	★ S-WHS-5SB 3YR	★ S-WHS-5SZ	15	★ R-WHS-5SB 3YR	★ R-WHS-5SZ	14	950		
		Stainless Steel V	★ S-WHS-5SVB	★ S-WHS-5SVZ	15	★ R-WHS-5SVB	★ R-WHS-5SVZ	13	950		
		Unilast®	★ S-WHS-5UYSB	★ S-WHS-5UYZ	7	★ R-WHS-5UYSB	★ R-WHS-5UYZ	4	900		
6	2	Aqualite®	X	★ S-WHS-6AZ	8	X	★ R-WHS-6AZ	5	750	7 1/2	2%
		Nylast™	★ S-WHS-6NYSB	X	★ R-WHS-6NYSB	X	9	1600			
		Poly-Tech®	X	★ S-WHS-6NFZ	8	X	★ R-WHS-6NFZ	5	1000		
		Stainless Steel	★ S-WHS-6SB 3YR	★ S-WHS-6SZ	22	★ R-WHS-6SB 3YR	★ R-WHS-6SZ	19	1200*		
		Stainless Steel V	★ S-WHS-6SVB	★ S-WHS-6SVZ	21	★ R-WHS-6SVB	★ R-WHS-6SVZ	18	1200*		
		Unilast®	★ S-WHS-6UYSB	★ S-WHS-6UYZ	8	★ R-WHS-6UYSB	★ R-WHS-6UYZ	5	1100*		
8	2	Aqualite®	X	★ S-WHS-8AZ	9	X	★ R-WHS-8AZ	6	900	9%	2%
		Nylast™	★ S-WHS-8NYSB	X	★ R-WHS-8NYSB	X	10	1600			
		Poly-Tech®	X	★ S-WHS-8NFZ	9	X	★ R-WHS-8NFZ	6	1000		
		Stainless Steel	★ S-WHS-8SB 3YR	★ S-WHS-8SZ	35	★ R-WHS-8SB 3YR	★ R-WHS-8SZ	32	1500*		
		Stainless Steel V	★ S-WHS-8SVB	★ S-WHS-8SVZ	34	★ R-WHS-8SVB	★ R-WHS-8SVZ	31	1500*		
		Unilast®	★ S-WHS-8UYSB	★ S-WHS-8UYZ	9	★ R-WHS-8UYSB	★ R-WHS-8UYZ	6	1500*		

\*Capacity for Precision Ball Bearings; Delrin bearings will limit load capacity to 1,000 lbs.

## Vanguard Casters

### QUALITY FEATURES

**Swivel Construction** – cold forged steel mounting plate and horn base. Legs 1/4" plate steel formed for increased strength and welded on both sides to horn base.

**Kingpin** – 3/4" diameter heat treated kingpin and nut.

**Main and Secondary Load Bearing** Large double ball bearing raceway and top plate, heat treated for long wear.

**Axle** – 1/2" diameter bolt with lock nut.

**Lubrication Fitting** – in swivel assembly and to roller bearings in wheels.

The *Vanguard 62 Series* is the highest rated cold forged caster we offer—rated for loads up to 1,500 lbs. The top plate matches a popular industry standard and swivel models feature double-ball race construction with 3/4" diameter kingpins. Both rigid and swivel casters sport a zinc-plated finish. *Series 62 Casters* are ideal for terminal carts, maintenance carts and platform trucks.



#S-628-UYB Swivel showing Unilast® wheel

### OPTIONAL ACCESSORIES *more help on page 13*



- **Swivel Lock – Field Installable (-4SL)**  
– convert swivel to rigid for straight line steering

### FEATURED WHEEL BEARINGS



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Straight Roller Bearing:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

### BRAKE CHOICES *for more help, see page 20*

★-FB



Side Foot Brake

★-FRB



Rap-A-Round Foot Brake



★ = same day/next day **PRONTO®** shipment.

### WHEEL CHOICES *for more help, see pages 14 & 15*



**Duralast®:** 95A poly on iron—our standard urethane



**Duralast® XC:** 70D extra hard poly on iron, higher capacity urethane



**Metal:** cast iron, heavy duty design



**Plastex:** phenolic, low cost, high capacity



**Polylast™:** Donut Tread 85A Poly on Aluminum Core



**Poly-Soft®:** 85A softer poly on iron—quieter, easy rolling, debris resistant urethane



**Moldon Rubber:** 1" thick 70D rubber, tensile strength exceeds 1,000 psi



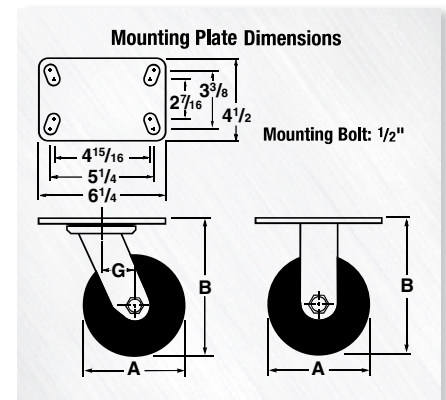
**Swivel-EAZ™:** Twin Wheel on Aluminum, easy turning



**Unilast®:** 95A solid poly—institutional use

### Vanguard Series Selection Table

Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
	Face	Type	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
6	2	Duralast®	W-620-DB-1/2	★ S-626-DB	11	★ R-626-DB	9	1200	7 1/2	1 1/2
		Duralast® XC	W-620-DB70-1/2	★ S-626-DB70	11	★ R-626-DB70	9	1500		
		Metal	W-620-MB-1/2	★ S-626-MB	11	★ R-626-MB	10	1400		
		Plastex	W-620-P-3/4	★ S-626-P	8	★ R-626-P	7	1200		
		Polylast™	W-622-AYB-1/2	★ S-626-AYB	8	★ R-626-AYB	8	600		
		Poly-Soft®	W-620-SPB-1/2	★ S-626-SPB	11	★ R-626-SPB	9	960		
		M.O. Rubber	W-620-R-3/4	★ S-626-R	10	★ R-626-R	8	410		
		Swivel-EAZ™	W-620-SWF-1/2	★ S-626-SWF	11	★ R-626-SWF	9	1500		
		Unilast®	W-620-UYB-1/2	★ S-626-UYB	7	★ R-626-UYB	6	1100		
		8	2	Duralast®	W-820-DB-1/2	★ S-628-DB	14	★ R-628-DB		
Metal	W-820-MB-1/2			★ S-628-MB	16	★ R-628-MB	14	1500		
Plastex	W-820-P-3/4			★ S-628-P	10	★ R-628-P	9	1400		
Polylast™	W-822-AYB-1/2			★ S-628-AYB	9	★ R-628-AYB	9	1000		
Poly-Soft®	W-820-SPB-1/2			★ S-628-SPB	14	★ R-628-SPB	13	1200		
M.O. Rubber	W-820-R-3/4			★ S-628-R	12	★ R-628-R	10	500		
Swivel-EAZ™	W-820-SWF-1/2			★ S-628-SWF	14	★ R-628-SWF	12	1500		
Unilast®	W-820-UYB-1/2			★ S-628-UYB	8	★ R-628-UYB	6	1500		



## Medium Service Casters



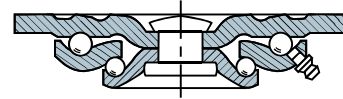
#S-MS-6NF  
Swivel showing  
Poly-Tech® wheel

Medium Service Series Casters, differentiated by the 5" x 5½" top plate, are proven performers in Hamilton's 900 lbs. class offering. These rugged, yet economical casters accommodate a wide selection of 2" face wheels.

Four brake options are available and three are available *Pronto*® – Hamilton's free shipping service for same day or next day shipment.

### QUALITY FEATURES

**Swivel Construction** – cold forged steel mounting plate and horn base. Legs ¼" plate steel, formed for increased strength and continuously welded to horn base.



**Kingpin** – permanent rivet type, ⅝" diameter heat treated steel.

**Main and Secondary Load Bearings** – hardened and polished steel balls rotate in two smoothly coined, case hardened raceways.

**Axle** – ½" diameter bolt with lock nut.

**Lubrication Fittings** – in swivel assembly and to roller bearings in most wheels.

### OPTIONAL ACCESSORIES

more help on page 13

- Sealed Swivel Assembly (★-SS)
- Wheel Bearing Seals (-BS)
- Thread Guards, for most models.



### FEATURED WHEEL BEARINGS



Precision Ball Bearings (B)



Straight Roller Bearings (L)

### BRAKE CHOICES for more help, see page 20

★-CB



Tread Contact Brake

★-FB



Side Foot Brake

★-FRB



Rap-A-Round Foot Brake

-B



Thumbscrew Brake

### WHEEL CHOICES for more help, see pages 14 & 15



Duralast®



Metal



Plastex



Polylast™



Poly-Soft®



Poly-Tech®



M.O. Rubber



Unilast®



Versa-Tech®

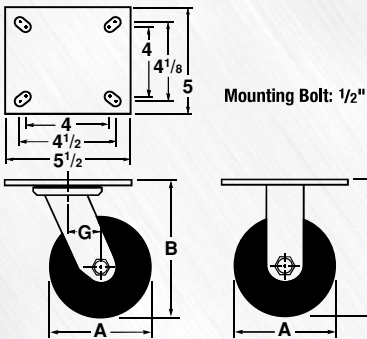
★ = same day/next day *PRONTO*® shipment.

### MS Series Selection Table

Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
	Face	Type	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
5	2	Duralast®	W-520-DB-½	★ S-MS-5DB	9	★ R-MS-5DB	8	900	6½	1%
		Metal	W-520-MB-½	★ S-MS-5MB	10	★ R-MS-5MB	9	900		
		Plastex	W-520-P-¾	★ S-MS-5P	7	★ R-MS-5P	6	900		
		Poly-Soft®	W-520-SPB-½	★ S-MS-5SPB	9	★ R-MS-5SPB	8	840		
		Poly-Tech®*	W-520-NF-¾	★ S-MS-5NF	7	★ R-MS-5NF	5	900		
		M.O. Rubber	W-520-R-¾	★ S-MS-5R	9	★ R-MS-5R	7	350		
		Unilast™	W-520-UYB-½	★ S-MS-5UYB	7	★ R-MS-5UYB	6	900		
		Versa-Tech®*	W-520-TE-¾	★ S-MS-5TE	6	★ R-MS-5TE	5	350		
6	2	Duralast®	W-620-DB-½	★ S-MS-6DB	11	★ R-MS-6DB	10	900	7½	1%
		Metal	W-620-MB-½	★ S-MS-6MB	11	★ R-MS-6MB	10	900		
		Plastex	W-620-P-¾	★ S-MS-6P	8	★ R-MS-6P	7	900		
		Polylast™	W-622-AYB-½	★ S-MS-62AYB	9	★ R-MS-62AYB	8	600		
		Poly-Soft®	W-620-SPB-½	★ S-MS-6SPB	11	★ R-MS-6SPB	10	900		
		Poly-Tech®*	W-620-NF-¾	★ S-MS-6NF	7	★ R-MS-6NF	6	900		
		M.O. Rubber	W-620-R-¾	★ S-MS-6R	10	★ R-MS-6R	9	410		
		Unilast™	W-620-UYB-½	★ S-MS-6UYB	7	★ R-MS-6UYB	6	900		
Versa-Tech®*	W-620-TE-¾	★ S-MS-6TE	7	★ R-MS-6TE	6	410				
8	2	Duralast®	W-820-DB-½	★ S-MS-8DB	14	★ R-MS-8DB	13	900	9½	2%
		Metal	W-820-MB-½	★ S-MS-8MB	13	★ R-MS-8MB	12	900		
		Plastex	W-820-P-¾	★ S-MS-8P	9	★ R-MS-8P	8	900		
		Polylast™	W-822-AYB-½	★ S-MS-82AYB	12	★ R-MS-82AYB	11	900		
		Poly-Soft®	W-820-SPB-½	★ S-MS-8SPB	14	★ R-MS-8SPB	13	900		
		Poly-Tech®*	W-820-NF-¾	★ S-MS-8NF	8	★ R-MS-8NF	8	900		
		M.O. Rubber	W-820-R-¾	★ S-MS-8R	13	★ R-MS-8R	12	500		
		Unilast™	W-820-UYB-½	★ S-MS-8UYB	8	★ R-MS-8UYB	7	900		
Versa-Tech®*	W-820-TE-¾	★ S-MS-8TE	8	★ R-MS-8TE	7	500				

\* These wheels lubricated through lube axle.

### Mounting Plate Dimensions



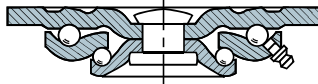
Mounting Bolt: ½"



## General Service Casters

### QUALITY FEATURES

**Swivel Construction** – cold forged steel mounting plate and horn base. Legs 1/4" plate steel, formed for increased strength and continuously welded to horn base.



**Kingpin** – permanent rivet type, 5/8" diameter heat treated steel.

**Main and Secondary Load Bearings** – hardened and polished steel balls rotate in two smoothly coined, case hardened raceways.

**Axle** – 1/2" diameter bolt with lock nut.

**Lubrication Fittings** – in swivel assembly and to roller bearings in most wheels.

Series GS is constructed from swivel parts "cold forged" under a 1,000 ton press, a process that rearranges the molecular structure of the steel to provide greater density at points of stress. Mirror-smooth double ball raceways are the result of coining under extreme pressure, and then hardening for long life. Zinc plated finish is standard on all GS swivel and rigid rigs.

### OPTIONAL ACCESSORIES *more help on page 13*

- **Sealed Swivel Assembly (★-SS)**
- **Wheel Bearing Seals (-BS)**  
–prolongs wheel life in harsh environments
- **Thread Guards**, for most models.



#S-GS-6DB  
Swivel showing Duralast® wheel

### WHEEL CHOICES *for more help, see pages 14 & 15*



★ = same day/next day **PRONTO®** shipment.

### GS Series Selection Table

Wheel				Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G				
Dia. A	Face	Type	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.							
3 1/4	2	Duralast®*	W-320-D-3/4	★ S-GS-3D	7	★ R-GS-3D	6	575	5 1/4	1 1/2				
		Plastex*	W-320-P-3/4	★ S-GS-3P	6	★ R-GS-3P	5	700						
4	2	Duralast®	W-420-DB-1/2	★ S-GS-4DB	8	★ R-GS-4DB	7	750	5%	1 1/2				
		Metal	W-420-MB-1/2	★ S-GS-4MB	7	★ R-GS-4MB	6	900						
		Plastex*	W-420-P-3/4	★ S-GS-4P	5	★ R-GS-4P	5	800						
		Polylast™	W-422-AYB-3/2	★ S-GS-42AYB	7	★ R-GS-42AYB	6	300						
		Poly-Soft®	W-420-SPB-1/2	★ S-GS-4SPB	8	★ R-GS-4SPB	7	600						
		Poly-Tech®*	W-420-NF-3/4	★ S-GS-4NF	6	★ R-GS-4NF	5	750						
		M.O. Rubber*	W-420-R-3/4	★ S-GS-4R	7	★ R-GS-4R	7	300						
		Unilast®	W-420-UYB-1/2	★ S-GS-4UYB	6	★ R-GS-4UYB	5	750						
		Versa-Tech®*	W-420-TE-3/4	★ S-GS-4TE	6	★ R-GS-4TE	5	300						
		5	2	Duralast®	W-520-DB-1/2	★ S-GS-5DB	9	★ R-GS-5DB			8	900	6 1/2	1 1/4
Metal	W-520-MB-1/2			★ S-GS-5MB	10	★ R-GS-5MB	9	900						
Plastex	W-520-P-3/4			★ S-GS-5P	7	★ R-GS-5P	5	900						
Poly-Soft®	W-520-SPB-1/2			★ S-GS-5SPB	9	★ R-GS-5SPB	8	840						
Poly-Tech®*	W-520-NF-3/4			★ S-GS-5NF	6	★ R-GS-5NF	5	900						
M.O. Rubber	W-520-R-3/4			★ S-GS-5R	9	★ R-GS-5R	8	350						
Unilast®	W-520-UYB-1/2			★ S-GS-5UYB	7	★ R-GS-5UYB	6	900						
Versa-Tech®*	W-520-TE-3/4			★ S-GS-5TE	6	★ R-GS-5TE	5	350						
6	2			Duralast®	W-620-DB-1/2	★ S-GS-6DB	11	★ R-GS-6DB	10	900	7 1/2	2		
				Metal	W-620-MB-1/2	★ S-GS-6MB	11	★ R-GS-6MB	10	900				
		Plastex	W-620-P-3/4	★ S-GS-6P	8	★ R-GS-6P	7	900						
		Polylast™	W-622-AYB-1/2	★ S-GS-62AYB	9	★ R-GS-62AYB	8	600						
		Poly-Soft®	W-620-SPB-1/2	★ S-GS-6SPB	11	★ R-GS-6SPB	10	900						
		Poly-Tech®*	W-620-NF-3/4	★ S-GS-6NF	7	★ R-GS-6NF	6	900						
		M.O. Rubber	W-620-R-3/4	★ S-GS-6R	10	★ R-GS-6R	9	410						
		Unilast®	W-620-UYB-1/2	★ S-GS-6UYB	7	★ R-GS-6UYB	6	900						
		Versa-Tech®*	W-620-TE-3/4	★ S-GS-6TE	6	★ R-GS-6TE	5	410						
		8	2	Duralast®	W-820-DB-1/2	★ S-GS-8DB	14	★ R-GS-8DB	13	900			9 1/2	2 3/8
Metal	W-820-MB-1/2			★ S-GS-8MB	13	★ R-GS-8MB	12	900						
Plastex	W-820-P-3/4			★ S-GS-8P	9	★ R-GS-8P	8	900						
Polylast™	W-822-AYB-1/2			★ S-GS-82AYB	12	★ R-GS-82AYB	11	900						
Poly-Soft®	W-820-SPB-1/2			★ S-GS-8SPB	14	★ R-GS-8SPB	13	900						
Poly-Tech®*	W-820-NF-3/4			★ S-GS-8NF	8	★ R-GS-8NF	7	900						
M.O. Rubber	W-820-R-3/4			★ S-GS-8R	12	★ R-GS-8R	11	500						
Unilast®	W-820-UYB-1/2			★ S-GS-8UYB	8	★ R-GS-8UYB	7	900						
Versa-Tech®*	W-820-TE-3/4			★ S-GS-8TE	7	★ R-GS-8TE	6	500						

\* These wheels lubricated through lube axle.

### FEATURED WHEEL BEARINGS



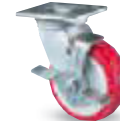
Precision Ball Bearings (B)



Straight Roller Bearings (L)

### BRAKE CHOICES *for more help, see page 20*

★-CB†



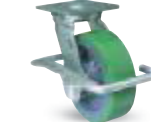
Tread Contact Brake

★-FB†



Side Foot Brake

★-FRB†



Rap-A-Round Foot Brake

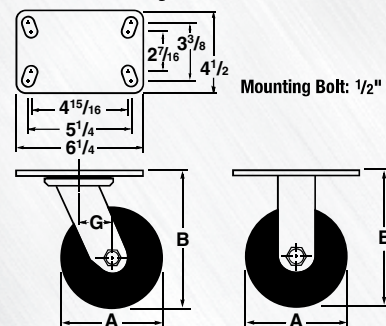
-B



Thumbscrew Brake

[† not available on 3 1/4" dia. models]

### Mounting Plate Dimensions



**Standard Duty Casters**



#S-526-SWF  
Swivel showing  
Swivel-EAZ® wheel

PRONTO® availability on a quality caster equipped with:

- 4 Position Swivel lock
- Side Foot Brake
- Sealed Swivel Assembly

Hard to believe? Not if you've dealt with Hamilton before.

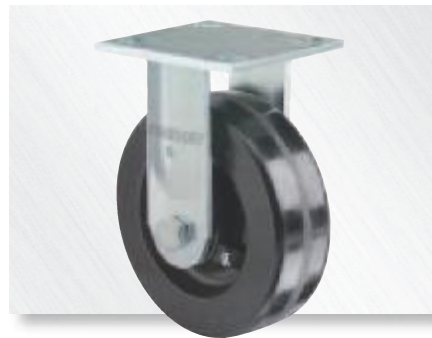
Hamilton's 52 Series gives you an unprecedented range of optional accessories in a value-priced, multi-purpose caster in the 900-lb. class.

Just look at the many options available and featured on these facing pages! Then look at the extensive range of wheel types and sizes available in the chart on page 53. You'll feel like you're specifying casters customized for your very own application... but surprise! They're in stock and shippable PRONTO® even equipped with options (in limited quantities, of course; other options take only a week or two longer).

Improvements to the 52 Series include the addition of the Swivel EAZ® wheel type (a unique twin wheel poly on aluminum center), metal wheels join the many others that now come standard with precision ball bearings, and a new foot contact brake.

Series 52 swivel models feature a full 1/4" thick mounting plate, two separate hardened raceways, husky 2" wide legs, and a 5/8" spin-riveted kingpin. The lustrous zinc plated finish will help these long-lasting casters keep their good looks.

Now, you can truly have it your way, PRONTO®!



#R-526-P Rigid showing Plastex wheel. Zinc plated Series 52 rigids have 1/4" x 2" plate steel legs, fully welded inside and outside to 1/4" thick rounded-corner mounting plates.



**OPTIONAL ACCESSORIES** *more help on page 13*



- **Swivel Lock – Field Installable (★-4SL)**  
– convert swivel to rigid for straight line steering

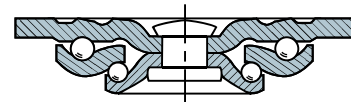


- **Sealed Swivel Assembly (★-SS)**  
– prolongs caster life in harsh environments

- **Wheel Bearing Seals (-BS)**  
–prolong wheel life in harsh environments

**QUALITY FEATURES**

**Swivel Construction** – formed steel mounting plate and horn base. Legs 3/8" x 2" plate steel, contoured and continuously welded to horn base.



**Kingpin** – 5/8" diameter orbitally formed rivet.

**Main and Secondary Load Bearings** – hardened and polished steel balls rotate in two heat treated raceways.

**Axle** – 1/2" diameter bolt with lock nut.

**Lubrication Fittings** – in swivel assembly and in wheels with roller bearings.

**BRAKE CHOICES** *for more help, see page 20*

★-CB†



Tread Contact Brake

★-FB†



Side Foot Brake

★-FRB†



Rap-A-Round Foot Brake

-B



Thumbscrew Brake

(† not available on 3 1/4" dia. models)

**WHEEL CHOICES** for more help, see pages 14 & 15



★ = same day/next day **PRONTO®** shipment.

**52 Series Selection Table**

Dia. A	Face	Wheel		Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
		Type	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
3 1/4	2	Duralast®*	W-320-D-3/4	★S-523-D	5	★R-523-D	4	575	5 1/4	1%
		Plastex*	W-320-P-3/4	★S-523-P	4	★R-523-P	3	700		
4	2	Aqualite®	W-420-AZ-3/4	★S-524-AZ	4	★R-524-AZ	4	550	5%	1%
		Duralast®	W-420-DB-1/2	★S-524-DB	8	★R-524-DB	7	750		
		Metal	W-420-MB-1/2	★S-524-MB	7	★R-524-MB	7	900		
		Plastex	W-420-P-3/4	★S-524-P	5	★R-524-P	5	800		
		Polylast™	W-422-AYB-1/2	★S-524-AYB	6	★R-524-AYB	5	300		
		Poly-Soft®	W-420-SPB-1/2	★S-524-SPB	8	★R-524-SPB	7	600		
		Poly-Tech®	W-420-NF-3/4	★S-524-NF	5	★R-524-NF	4	750		
		M.O. Rubber	W-420-R-3/4	★S-524-R	7	★R-524-R	7	300		
		Swivel-EAZ™	W-420-SWF-1/2	★S-524-SWF	7	★R-524-SWF	6	875		
		Unilast®	W-420-UYB-1/2	★S-524-UYB	5	★R-524-UYB	5	750		
Versa-Tech®	W-420-TE-3/4	★S-524-TE	5	★R-524-TE	4	300				
5	2	Aqualite®	W-520-AZ-3/4	★S-525-AZ	5	★R-525-AZ	4	650	6 1/2	1%
		Duralast®	W-520-DB-1/2	★S-525-DB	8	★R-525-DB	7	900		
		Metal	W-520-MB-1/2	★S-525-MB	9	★R-525-MB	8	900		
		Plastex	W-520-P-3/4	★S-525-P	6	★R-525-P	5	900		
		Poly-Soft®	W-520-SPB-1/2	★S-525-SPB	8	★R-525-SPB	7	840		
		Poly-Tech®	W-520-NF-3/4	★S-525-NF	5	★R-525-NF	5	900		
		M.O. Rubber	W-520-R-3/4	★S-525-R	7	★R-525-R	7	350		
		Unilast®	W-520-UYB-1/2	★S-525-UYB	6	★R-525-UYB	5	900		
Versa-Tech®	W-520-TE-3/4	★S-525-TE	5	★R-525-TE	5	350				
6	2	Aqualite®	W-620-AZ-3/4	★S-526-AZ	5	★R-526-AZ	5	750	7 1/2	1 13/16
		Duralast®	W-620-DB-1/2	★S-526-DB	10	★R-526-DB	9	900		
		Metal	W-620-MB-1/2	★S-526-MB	9	★R-526-MB	9	900		
		Plastex	W-620-P-3/4	★S-526-P	7	★R-526-P	6	900		
		Polylast™	W-622-AYB-3/4	★S-526-AYB	7	★R-526-AYB	6	600		
		Poly-Soft®	W-620-SPB-1/2	★S-526-SPB	10	★R-526-SPB	9	900		
		Poly-Tech®	W-620-NF-3/4	★S-526-NF	6	★R-526-NF	5	900		
		M.O. Rubber	W-620-R-3/4	★S-526-R	8	★R-526-R	8	410		
		Swivel-EAZ™	W-620-SWF-1/2	★S-526-SWF	10	★R-526-SWF	9	900		
		Unilast®	W-620-UYB-1/2	★S-526-UYB	6	★R-526-UYB	6	900		
Versa-Tech®	W-620-TE-3/4	★S-526-TE	6	★R-526-TE	5	410				
8	2	Ace-Tuf®	W-8-AT-3/4	★S-4208-AT	8	★R-4208-AT	8	400	9 1/2	2%
		Aqualite®	W-820-AZ-3/4	★S-528-AZ	6	★R-528-AZ	6	900		
		Duralast®	W-820-DB-1/2	★S-528-DB	13	★R-528-DB	12	900		
		Metal	W-820-MB-1/2	★S-528-MB	12	★R-528-MB	12	900		
		Plastex	W-820-P-3/4	★S-528-P	8	★R-528-P	8	900		
		Polylast™	W-822-AYB-3/4	★S-528-AYB	8	★R-528-AYB	8	900		
		Poly-Soft®	W-820-SPB-1/2	★S-528-SPB	13	★R-528-SPB	13	900		
		Poly-Tech®	W-820-NF-3/4	★S-528-NF	7	★R-528-NF	6	900		
		M.O. Rubber	W-820-R-3/4	★S-528-R	11	★R-528-R	11	500		
		Swivel-EAZ™	W-820-SWF-1/2	★S-528-SWF	11	★R-528-SWF	10	900		
		Unilast®	W-820-UYB-1/2	★S-528-UYB	7	★R-528-UYB	6	900		
		Versa-Tech®	W-820-TE-3/4	★S-528-TE	6	★R-528-TE	6	500		

\*These wheels lubricated through lube axle.

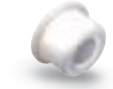
**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



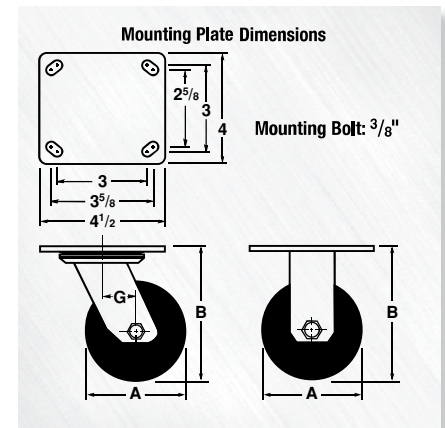
**Straight Roller Bearing (L):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



**Delrin® Bearings (Z):** chemical and corrosion resistant plastic-type bearing.



**Ball Bearings:** Non-precision, used in Ace-Tuf® wheel.



**Stainless Steel Casters**



#S-STA-6AZ showing Aqualite® wheel

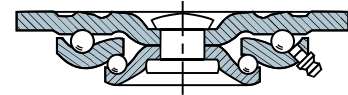
To meet those unusual requirements where corrosive environments or sanitary considerations demand casters having all rig and hardware components of stainless steel, Hamilton offers these industrial duty models. Type 303 stainless steel flat tread and V-Grooved wheels round out a variety of problem solving wheel choices. What's more, most models are stocked for PRONTO® shipment within two days—eliminating the long wait often associated with procurement of specialty casters.

A special high-lustre finish not only enhances appearance, but also provides a smoother, less porous surface that's more impervious to dirt and easier to clean.

For Stainless Steel Casters with higher capacities, see page 48.

**QUALITY FEATURES**

**Swivel Construction** – cold-formed mounting plate, horn base and 1/8" x 2" welded-on legs all Type 304 stainless steel.



**Kingpin** – permanent rivet-type, 5/8" diameter stainless steel.

**Main and Secondary Load Bearings** – Type 440 stainless steel balls rotating in two smoothly coined raceways.

**Axle** – 1/2" diameter stainless steel bolt and lock nut.

**Wheel Bearings** – solid 3/4" I.D. x 1 1/16" O.D. Delrin® bearings rotating on a stainless steel spanner bushing 3/4" O.D. x 1/2" I.D. x 27/16" long, except as noted.

**Lubrication** – Pre-lubricated at factory with a high quality multi-purpose grease.

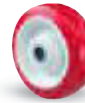
**WHEEL CHOICES** for more help, see pages 14 & 15



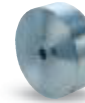
**Aqualite®:** solid poly-olefin, water & chemical resistant



**Plastex:** phenolic, low cost, high capacity



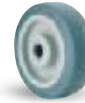
**Poly-Tech®:** 90A poly on propylene core, lighter duty institutional use.



**Stainless:** highest capacity, tensile strength 75,000 psi.



**Unilast®:** 95A solid poly – institutional use



**Versa-Tech®:** 65A non-marking light gray rubber on propylene core



**OPTIONAL ACCESSORIES** more help on page 13

- **Swivel Lock – Field Installable (★-4SL)** – convert swivel to rigid for straight line steering
- **Sealed Swivel Assembly (-SS)**

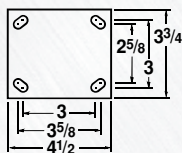
**BRAKE CHOICE** for more help, see page 20

★-SFB

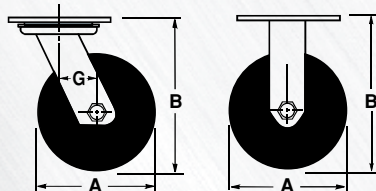


Stainless Steel Side Foot Brake

**Mounting Plate Dimensions**



Mounting Bolt: 3/8"



★ = same day/next day PRONTO® shipment.

**STA Series Selection Table**

Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
	Face	Type	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
5	2	Aqualite®	W-520-AZ-3/4	★S-STA-5AZ	4	★R-STA-5AZ	3	650	6 1/2	1 1/16
		Plastex	W-520-PZ-3/4	★S-STA-5PZ	5	★R-STA-5PZ	4	800		
		Poly-Tech®	W-520-NFZ-3/4	★S-STA-5NFZ	5	★R-STA-5NFZ	4	800		
		Stainless*	W-520-S-3/4	★S-STA-5S	13 1/2	★R-STA-5S	12 1/2	800		
		S.S. V-Grooved*	W-520-SV-3/4	★S-STA-5SV	12	★R-STA-5SV	11	800		
		Stainless	W-520-SZ-3/4	★S-STA-5SZ▶	13 1/2	★R-STA-5SZ▶	12 1/2	800		
		S.S. V-Grooved	W-520-SVZ-3/4	★S-STA-5SVZ▶	12	★R-STA-5SVZ▶	11	800		
		Unilast®	W-520-UYZ-3/4	★S-STA-5UYZ	5	★R-STA-5UYZ	4	800		
6	2	Versa-Tech®	W-520-TEZ-3/4	★S-STA-5TEZ	5	★R-STA-5TEZ	4	350		
		Aqualite®	W-620-AZ-3/4	★S-STA-6AZ	4 3/4	★R-STA-6AZ	3 3/4	750		
		Plastex	W-620-PZ-3/4	★S-STA-6PZ	5 3/4	★R-STA-6PZ	4 3/4	800		
		Poly-Tech®	W-620-NFZ-3/4	★S-STA-6NFZ	5 3/4	★R-STA-6NFZ	4 3/4	800		
		Stainless*	W-620-S-3/4	★S-STA-6S	18 1/2	★R-STA-6S	17 1/2	800		
		S.S. V-Grooved*	W-620-SV-3/4	★S-STA-6SV	16 1/2	★R-STA-6SV	15 1/2	800		
		Stainless	W-620-SZ-3/4	★S-STA-6SZ▶	18 1/2	★R-STA-6SZ▶	17 1/2	800		
		S.S. V-Grooved	W-620-SVZ-3/4	★S-STA-6SVZ▶	16 1/2	★R-STA-6SVZ▶	15 1/2	800		
8	2	Unilast®	W-620-UYZ-3/4	★S-STA-6UYZ	5 3/4	★R-STA-6UYZ	4 3/4	800		
		Versa-Tech®	W-620-TEZ-3/4	★S-STA-6TEZ	5 3/4	★R-STA-6TEZ	4 3/4	410		
		Aqualite®	W-820-AZ-3/4	★S-STA-8AZ	6 1/4	★R-STA-8AZ	4 3/4	800		
		Plastex	W-820-PZ-3/4	★S-STA-8PZ	8	★R-STA-8PZ	6 1/2	800		
		Poly-Tech®	W-820-NFZ-3/4	★S-STA-8NFZ	8	★R-STA-8NFZ	6 1/2	800		
		Stainless*	W-820-S-3/4	★S-STA-8S	32	★R-STA-8S	30 3/2	800		
		S.S. V-Grooved*	W-820-SV-3/4	★S-STA-8SV	29	★R-STA-8SV	27 1/2	800		
		Stainless	W-820-SZ-3/4	★S-STA-8SZ▶	32	★R-STA-8SZ▶	30 3/2	800		
8	2	S.S. V-Grooved	W-820-SVZ-3/4	★S-STA-8SVZ▶	29	★R-STA-8SVZ▶	27 1/2	800		
		Unilast®	W-820-UYZ-3/4	★S-STA-8UYZ	8	★R-STA-8UYZ	6 1/2	800		
		Versa-Tech®	W-820-TEZ-3/4	★S-STA-8TEZ	8	★R-STA-8TEZ	6 1/2	500		

\* These plain bore wheels lubricated through lube axle.

▶ Stainless steel precision ball bearings (1/2") are available in these models. Change "Z" to "B"—e.g., S-STA-6SB.

## Stainless Steel Casters

### QUALITY FEATURES

**Swivel Construction** – Mounting plate and horn base, Type 304 stainless steel. Sealed swivel assembly standard.

**Kingpin** – permanent rivet-type, ½" diameter stainless steel.

**Main and Secondary Load Bearings** – Type 440 stainless steel balls rotating in two smoothly coined raceways.

**Axle** – ¾" diameter stainless steel lube-type bolt and lock nut.

**Lubrication** – Pre-lubricated at factory with a high quality multi-purpose grease

This innovative stainless steel series ably complements the heavier duty *Series STA* described on the facing page. *Series STL* features a complete line of wheel offerings with face widths under 2", including wheels of stainless steel. Most offerings are available for *PRONTO*® shipment within two days.

Manufactured from all-stainless steel components, these casters undergo a special process resulting in a handsome, high lustre finish that is less porous and easier to clean than comparable stainless steel brands. A sealed swivel assembly is standard on *Series STL Casters*.

Ideal for corrosive environments and wherever sanitary considerations are important, *Series STL Casters* are well suited for pharmaceutical houses, food service operations, animal cages, laboratories, and other institutional applications.



#S-STL-5NFS  
Rigid showing  
Poly-Tech®  
wheel

### FEATURED WHEEL BEARINGS



Stainless Steel  
Ball Bearings (B)



Delrin®  
Bearings (Z)

### BRAKE CHOICE for more help, see page 20

#### ★-SSCB



Stainless Steel Tread Contact Brake  
[4" and 5" swivels only]

### WHEEL CHOICES for more help, see pages 14 & 14



**Aqualite®:**  
solid polyolefin,  
water and  
chemical  
resistant



**Hi-Heat  
Plastex®:**  
phenolic, heat  
resistant, high  
capacity



**Poly-Tech®:**  
90A poly on  
propylene core,  
lighter duty  
institutional use.



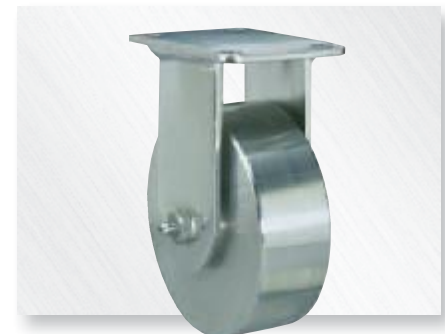
**Stainless:**  
highest capacity,  
tensile strength  
75,000 psi.



**Unilast®:**  
95A solid  
poly – insti-  
tutional use



**Versa-Tech®:**  
65A non-mark-  
ing light gray  
rubber on  
propylene core



#R-STL-4S Rigid showing Stainless  
Steel wheel

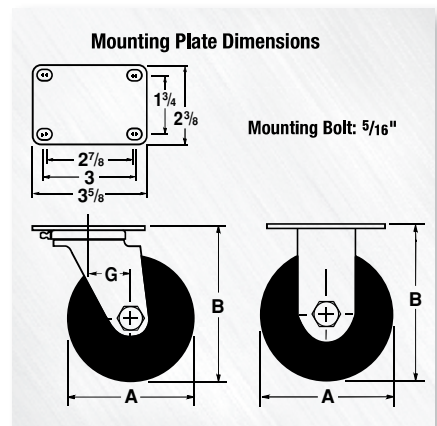


★ = same day/next day *PRONTO*® shipment.

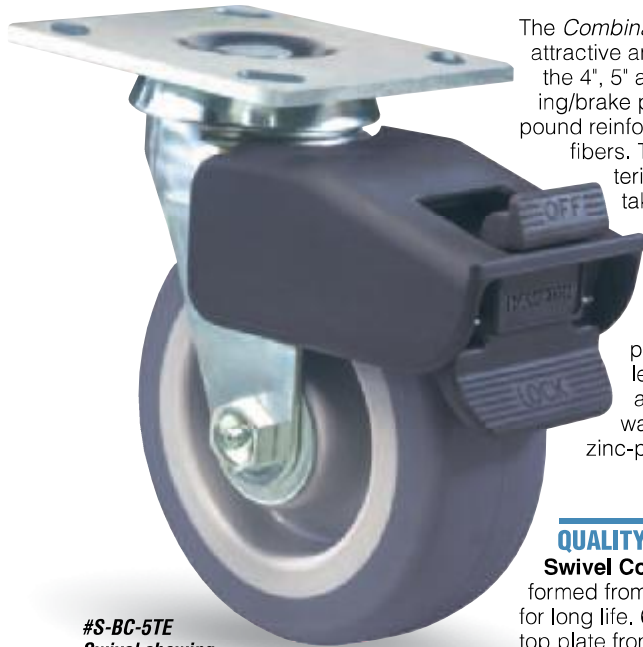
### STL Series Selection Table

Wheel					Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
Dia. A	Face	Type	Bearing	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
3	1 3/8"	Stainless	S.S. Ball	W-313-SB-1/2"	★ S-STL-3SB	5	★ R-STL-3SB	5	325	4 1/2"	1 1/8"
3 1/2	1 3/8"	Aqualite®	Plain	W-35-A-1/2"	★ S-STL-35A	2	★ R-STL-35A	2	260	4 1/2"	1 1/8"
		Poly-Tech®	Delrin	W-35-NFZ-1/2"	★ S-STL-35NFZ	2	★ R-STL-35NFZ	2	325		
		Versa-Tech®	Delrin	W-35-TEZ-1/2"	★ S-STL-35TEZ	2	★ R-STL-35TEZ	2	240		
4	1 1/4"	Plastex	Plain	W-412-HHPL-1/2"	★ S-STL-4HHP	2	★ R-STL-4HHP	2	300	5 1/2"	1 1/8"
		Unilast®	Delrin	W-412-UYZ-1/2"	★ S-STL-4UYZ	2	★ R-STL-4UYZ	2	325		
	Aqualite®	Plain	W-413-A-1/2"	★ S-STL-4A	2	★ R-STL-4A	2	300			
	Poly-Tech®	Delrin	W-413-NFZ-1/2"	★ S-STL-4NFZ	2	★ R-STL-4NFZ	2	325			
	Versa-Tech®	Delrin	W-413-TEZ-1/2"	★ S-STL-4TEZ	2	★ R-STL-4TEZ	2	250			
	Stainless	Plain	W-413-S-1/2"	★ S-STL-4S	6	★ R-STL-4S	6	325			
	S.S. V-Grooved	Plain	W-413-SV-1/2"	★ S-STL-4SV	6	★ R-STL-4SV	5	325			
	Stainless	Delrin	W-413-SZ-1/2"	★ S-STL-4SZ	6	★ R-STL-4SZ	6	325			
	S.S. V-Grooved	Delrin	W-413-SVZ-1/2"	★ S-STL-4SVZ	6	★ R-STL-4SVZ	5	325			
	Stainless	S.S. Ball	W-413-SB-1/2"	★ S-STL-4SB	6	★ R-STL-4SB	6	325			
S.S. V-Grooved	S.S. Ball	W-413-SVB-1/2"	★ S-STL-4SVB	6	★ R-STL-4SVB	5	325				
5	1 1/4"	Plastex	Plain	W-512-HHPL-1/2"	★ S-STL-5HHP	3	★ R-STL-5HHP	2	300	6 1/2"	1 1/8"
		Aqualite®	Plain	W-513-A-1/2"	★ S-STL-5A	3	★ R-STL-5A	2	300		
	Poly-Tech®	Delrin	W-513-NFZ-1/2"	★ S-STL-5NFZ	3	★ R-STL-5NFZ	2	325			
	Versa-Tech®	Delrin	W-513-TEZ-1/2"	★ S-STL-5TEZ	3	★ R-STL-5TEZ	2	275			

▶ Stainless steel ball bearings also available in these wheels, simply change "Z" to "B".



**Combination Brake Casters**



#S-BC-5TE  
Swivel showing  
Versa-Tech® wheel

The *Combination Brake Series* features an attractive and contemporary swivel rig in the 4", 5" and 6" sizes. The plastic housing/brake pedal are from a Nylon compound reinforced with ceramic and glass fibers. This is an extremely durable material and is used in automobile intake manifolds and even in some golf club driver heads. The 8" swivel model carries over from our former Plate-Type Caster (*Series PF*). Both versions work on the same principle: pressing down on the brake lever locks both the swivel caster and the wheel. Caster and hardware have corrosion-resistant zinc-plated finish.

**QUALITY FEATURES**

**Swivel Construction** – 8" model: cold formed from 1/4" thick steel, case hardened for long life. 6" model and below: cold formed top plate from 3/16" thick steel. Legs formed from 1/8" thick steel.

**Kingpin** – 8" model: 3/4" diameter heat treated bolt with separate lock nut. 6" model and below: 7/8" diameter bolt with separate lock nut.

**Main and Secondary Load Bearings** – two full rows of steel balls rotate in separate heat treated raceways.

**Axle** – 1/2" diameter bolt with lock nut.

**Lubrication Fittings** – in swivel assembly and in hubs of roller bearing wheels, except as noted.

**OPTIONAL ACCESSORIES** *more help on page 13*

- **Wheel Bearing Seals (-BS)**  
–prolong wheel life in harsh environments
- **Thread Guards (most models)**

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Straight Roller Bearing (L):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



**Delrin® Bearings (Z):** chemical and corrosion resistant plastic-type bearing.



#S-PF-8NF –  
8" Swivel  
showing  
Poly-Tech® wheel

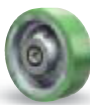
**WHEEL CHOICES** *for more help, see pages 14 & 15*



**Ace-Tuf®:**  
cushion rubber on polypropylene core



**Aqualite®:**  
solid polyolefin, water and chemical resistant



**Duralast®:**  
95A poly on iron – our standard urethane



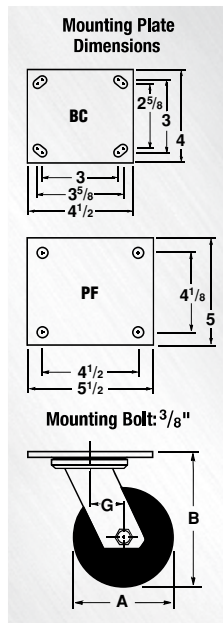
**Poly-Tech®:**  
90A poly on propylene core, lighter duty institutional use



**Unilast®:**  
95A solid poly – institutional use



**Versa-Tech®:**  
65A non-marking light gray rubber on propylene core



\* = same day/next day **PRONTO®** shipment.

**BC/PF Selection Table**

Dia. A	Wheel			Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
	Face	Type	Replacement Number	Hamilton Model No.	Wt. Lbs.			
4	2	Aqualite®	W-420-AZ-3/4	★ S-BC-4AZ	4	550	5 5/8"	2"
		Duralast®	W-420-DB-1/2	★ S-BC-4DB	7 1/2	750		
		Poly-Tech®*	W-420-NF-3/4	★ S-BC-4NF	4	750		
		Versa-Tech®*	W-420-TE-3/4	★ S-BC-4TE	4 3/8	300		
		Unilast™**	W-420-UYB-1/2	★ S-BC-4UYB	4 1/4	750		
5	2	Aqualite®	W-520-AZ-3/4	★ S-BC-5AZ	4 3/8	650	6 1/2"	1 1/8"
		Duralast®	W-520-DB-1/2	★ S-BC-5DB	7 7/8	850		
		Poly-Tech®*	W-520-NF-3/4	★ S-BC-5NF	4 3/8	850		
		Versa-Tech®*	W-520-TE-3/4	★ S-BC-5TE	4 7/8	350		
		Unilast™**	W-520-UYB-1/2	★ S-BC-5UYB	4 3/8	850		
6	2	Aqualite®	W-620-AZ-3/4	★ S-BC-6AZ	4 3/8	750	7 1/2"	1 1/2"
		Duralast®	W-620-DB-1/2	★ S-BC-6DB	9 3/8	850		
		Poly-Tech®*	W-620-NF-3/4	★ S-BC-6NF	5 3/8	850		
		Versa-Tech®*	W-620-TE-3/4	★ S-BC-6TE	5 3/8	410		
		Unilast™**	W-620-UYB-1/2	★ S-BC-6UYB	5 3/8	850		
8	2	Aqualite®	W-820-AZ-3/4	★ S-PF-8AZ	9	850	9 3/4"	2 1/2"
		Duralast®	W-820-DB-1/2	★ S-PF-8DB	16	850		
		Poly-Tech®*	W-820-NF-3/4	★ S-PF-8NF	11 1/2	850		
		Versa-Tech®*	W-820-TE-3/4	★ S-PF-8TE	11 1/2	500		
		Unilast™**	W-820-UYB-1/2	★ S-PF-8UYB	9	850		
2 1/2"		Ace-Tuf®	W-8-AT-3/4	★ S-PF-8AT	10 1/4	400		

\*These wheels lubricated through lube axle.

## Thread Guard Casters

### OPTIONAL ACCESSORIES *more help on page 13*

- **Wheel Brakes - Tread Contact (-CB)**
- **Swivel Lock – Field Installable (-4SL)**  
– convert swivel to rigid for straight line steering
- **Sealed Swivel Assembly (-SS)**  
– prolongs caster life in harsh environments
- **Wheel Bearing Seals (-BS)**  
–for roller bearing wheels

This line of casters, with thread guards installed as standard equipment, provides improved availability for textile industry users requiring 1½" and 2" face wheels. The thread guards are metal or plastic discs fixed in place between the spanner bushing and caster leg to prevent loose threads from wrapping around the axle. Zinc plating is the standard caster finish. Lube-type axles with drilled spanner bushings are furnished on wheels with roller bearings.

### WHEEL CHOICES *for more help, see pages 14 & 15*



★ = same day/next day **PRONTO®** shipment.

### TG & TX Series Selection Table

Dia. A	Face	Wheel		Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
		Type	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
4	1½	Aqualite®	W-415-AZ-½	S-TX-4AZ	4	R-TX-4AZ	4	350	5%	1 1/16"
		Duralast®	W-41-D-½	S-TX-4D	6	R-TX-4D	5	675		
		Metal	W-415-M-½	S-TX-4M	7	R-TX-4M	6	550		
		Plastex	W-415-P-½	S-TX-4P	5	R-TX-4P	4	600		
	2	Aqualite®	W-420-AZ-¾	S-TG-4AZ	5	R-TG-4AZ	4	550		
		Duralast®	W-420-DB-½	S-TG-4DB	8	R-TG-4DB	8	750		
		Metal	W-420-MB-½	S-TG-4MB	7	R-TG-4MB	7	900		
		Plastex	W-420-P-¾	S-TG-4P	6	R-TG-4P	5	800		
		Unilast™	W-420-UYB-½	S-TG-4UYB	6	R-TG-4UYB	5	750		
		Versa-Tech®	W-420-TE-¾	S-TG-4TE	5	R-TG-4TE	5	300		
5	1½	Aqualite®	W-515-AZ-½	S-TX-5AZ	5	R-TX-5AZ	4	400	6%	1"
		Duralast®	W-515-D-½	S-TX-5D	7	R-TX-5D	6	700		
		Metal	W-515-M-½	S-TX-5M	7	R-TX-5M	6	750		
		Plastex	W-515-P-½	S-TX-5P	6	R-TX-5P	5	600		
	2	Aqualite®	W-520-AZ-¾	S-TG-5AZ	5	R-TG-5AZ	5	650		
		Metal	W-520-MB-½	S-TG-5MB	9	R-TG-5MB	8	900		
		Plastex	W-520-P-¾	S-TG-5P	6	R-TG-5P	6	900		
		Poly-Tech®	W-520-NF-¾	S-TG-5NF	6	R-TG-5NF	5	900		
		Unilast™	W-520-UYB-½	S-TG-5UYB	6	R-TG-5UYB	5	900		
		Versa-Tech®	W-520-TE-¾	S-TG-5TE	6	R-TG-5TE	5	350		
6	1½	Aqualite®	W-615-AZ-½	S-TX-6AZ	5	R-TX-6AZ	5	525	7%	2"
		Duralast®	W-61-D-½	S-TX-6D	7	R-TX-6D	7	850		
		Metal	W-615-M-½	S-TX-6M	10	R-TX-6M	10	850		
		Plastex	W-615-P-½	S-TX-6P	6	R-TX-6P	6	800		
	2	Aqualite®	W-620-AZ-¾	S-TG-6AZ	6	R-TG-6AZ	5	750		
		Duralast®	W-620-DB-½	S-TG-6DB	10	R-TG-6DB	10	900		
		Metal	W-620-MB-½	S-TG-6MB	10	R-TG-6MB	9	800		
		Plastex	W-620-P-¾	S-TG-6P	7	R-TG-6P	7	900		
		Polyplast	W-620-AY-¾	S-TG-6AY	7	R-TG-6AY	6	900		
		Poly-Tech®	W-620-NF-¾	S-TG-6NF	7	R-TG-6NF	6	900		
8	2	Unilast®	W-620-UYB-½	S-TG-6UYB	7	R-TG-6UYB	6	900	9%	2 1/8"
		Versa-Tech®	W-620-TE-¾	S-TG-6TE	6	R-TG-6TE	6	410		
		Vulcalite	W-620-AR-¾	S-TG-6AR	8	R-TG-6AR	7	410		
		Aqualite®	W-820-AZ-¾	S-TG-8AZ	7	R-TG-8AZ	6	900		
		Duralast®	W-820-DB-½	S-TG-8DB	13	R-TG-8DB	13	900		
		Metal	W-820-MB-½	S-TG-8MB	13	R-TG-8MB	12	900		
		Plastex	W-820-P-¾	S-TG-8P	9	R-TG-8P	8	900		
		Vulcalite	W-820-AR-¾	S-TG-8AR	11	R-TG-8AR	10	500		

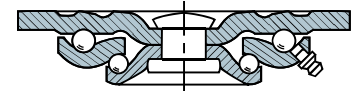
\* These wheels lubricated through lube axle.



#S-TG-6D Swivel showing Duralast® wheel

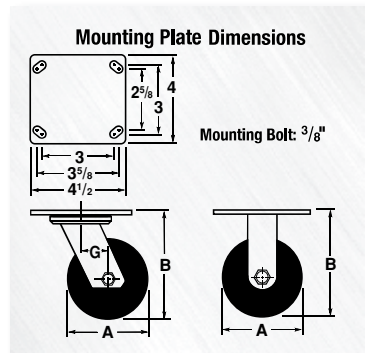
### QUALITY FEATURES

**Swivel Construction** – formed steel mounting plate and horn base. Legs 3/16" x 2" plate steel, formed and continuously welded to horn base.



- Kingpin** – permanent rivet-type, 5/8" dia.
- Main and Secondary Load Bearings** – hardened and polished steel balls rotate in two heat treated raceways.
- Axle** – 1/2" diameter hollow lube-type with lock nut.
- Lube Fitting** – to swivel assembly and to straight roller bearing wheels.

### FEATURED WHEEL BEARINGS



## Whirlaway Casters



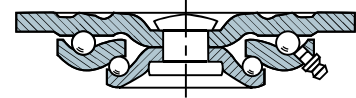
#S-WW-5M Swivel showing Metal wheel

The Whirlaway Series is the cold forged companion to the MS, GS, and 52 Series (covered in earlier pages), but scaled down for 1½" wide wheels. The two separate coined and case hardened raceways, joined by a heat treated rivet kingpin, make Whirlaway Swivel Casters top performers and sellers in the 500-600 lb. duty class.

Rugged ¼" thick mounting plates are ideal for distortion-free welding to all types of mobile equipment, or bolt them on through slotted holes that fit two popular template patterns. All Series WW Casters sport bright zinc plated finish.

### QUALITY FEATURES

**Swivel Construction** – cold forged steel mounting plate and horn base. Legs ¼" plate steel, contoured to increase strength and weld-in area to the horn base.



**Kingpin** – ⅝" diameter orbitally formed rivet.

**Main and Secondary Load Bearings** – hardened and polished steel balls rotate in two heat treated raceways.

**Axle** – ½" diameter bolt with lock nut.

**Ball Check Lubrication Fittings** – in swivel assembly and to roller bearings in most wheels.

### BRAKE CHOICES for more help, see page 20

★-FB



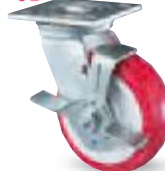
Side Foot Brake [not available on 8" dia. models]

★-FRB



Rap-A-Round Foot Brake [not available on 3¼" dia. models]

★-CB



Tread Contact Brake

### OPTIONAL ACCESSORIES more help on page 13

- **Swivel Lock – Field Installable (★-4SL)** – convert swivel to rigid for straight line steering
- **Sealed Swivel Assembly (★-SS)** – prolongs caster life in harsh environments
- **Wheel Bearing Seals (-BS)** – prolong wheel life in harsh environments
- **Thread Guards (most models)**, see pg. 57

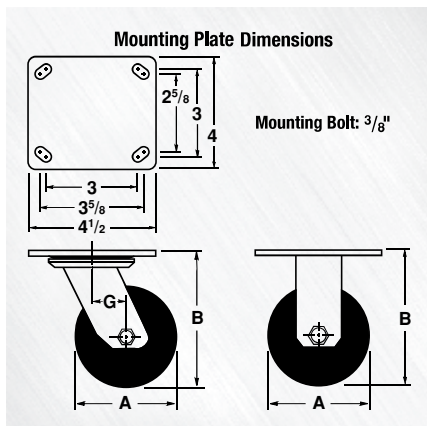
### WHEEL CHOICES for more help, see pages 14 & 15

	<b>Aqualite®:</b> solid polyolefin, water & chemical resistant		<b>Duralast®:</b> 95A poly on iron – our standard urethane
	<b>Ebonite:</b> solid extra hard rubber		<b>Metal:</b> cast iron, heavy duty design
	<b>Plastex:</b> phenolic, low cost, high capacity		<b>Moldon Rubber:</b> 1" thick 70D rubber, tensile strength exceeds 1,000 psi
	<b>Vulcalite™:</b> 70A rubber molded to aluminum center		

### FEATURED WHEEL BEARINGS

**Straight Roller Bearing (⌒):** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

**Delrin® Bearings (Z):** chemical and corrosion resistant plastic-type bearing.



★ = same day/next day PRONTO® shipment.

### WW Series Selection Table

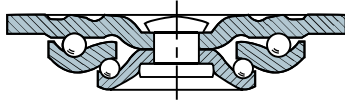
Dia. A	Face	Wheel		Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
		Type	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
3¼	1½	Duralast®*	W-315-D-¾	★S-WW-3D	6	★R-WW-3D	5	475	5¼	1%
		Plastex*	W-315-P-¾	★S-WW-3P	5½	★R-WW-3P	4½	550		
4	1½	Aqualite®	W-415-AZ-¾	★S-WW-4AZ	4	★R-WW-4AZ	3¼	400	5%	1%
		Duralast®*	W-415-D-¾	★S-WW-4D	6	★R-WW-4D	5¼	550		
		Ebonite*	W-415-EH-¾	★S-WW-4E	4½	★R-WW-4E	3¼	300		
		Flexonite*	W-415-FH-¾	★S-WW-4F	4½	★R-WW-4F	3¼	200		
		Metal	W-415-M-¾	★S-WW-4M	6¼	★R-WW-4M	5½	550		
		Plastex*	W-415-P-¾	★S-WW-4P	4½	★R-WW-4P	3¼	550		
		M.O. Rubber*	W-415-R-¾	★S-WW-4R	6	★R-WW-4R	5¼	200		
		Aqualite®	W-515-AZ-¾	★S-WW-5AZ	4½	★R-WW-5AZ	3¼	450		
5	1½	Duralast®	W-515-D-¾	★S-WW-5D	6½	★R-WW-5D	5%	550	6½	1%
		Ebonite*	W-515-EH-¾	★S-WW-5E	5¼	★R-WW-5E	4½	450		
		Metal	W-515-M-¾	★S-WW-5M	7	★R-WW-5M	6¼	550		
		Plastex	W-515-P-¾	★S-WW-5P	5	★R-WW-5P	4¼	550		
		M.O. Rubber	W-515-R-¾	★S-WW-5R	6½	★R-WW-5R	5¼	240		
		Aqualite®	W-615-AZ-¾	★S-WW-6AZ	5¼	★R-WW-6AZ	4¼	550		
Duralast®	W-615-D-¾	★S-WW-6D	8¼	★R-WW-6D	7¼	550				
Metal	W-615-M-¾	★S-WW-6M	7¼	★R-WW-6M	6¼	550				
Plastex	W-615-P-¾	★S-WW-6P	6	★R-WW-6P	5	550				
8	1%	M.O. Rubber	W-615-R-¾	★S-WW-6R	7½	★R-WW-6R	6½	280	9½	2%
		Vulcalite™	W-815-AR-¾	★S-WW-8AR	7½	★R-WW-8AR	7	375		

\*These wheels lubricated through lube axle.



### QUALITY FEATURES

**Construction** – heavy gauge cold rolled steel, formed for strength and hardened for long life.



**Swivel** – hardened and polished steel balls rotate in two coined and hardened raceways.

**Kingpin** – ½" diameter permanent rivet type.

**Axle** – ⅜" diameter bolt with lock nut. Spanner bushing over axle except in 3" model.

**Lubrication** – lubricated at factory; lube axle or hub fitting to wheel bearing on roller bearing models.

This series is very popular for light industrial and institutional applications. The ½" kingpin and double-ball race construction assure long, trouble free life. *Hi-Lo Casters* sport an attractive and durable zinc plated finish.

### FEATURED WHEEL BEARINGS



**Straight Roller Bearings:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



**Ball Bearings:** Non-precision, un-ground radial-type.



**Oilless Sleeve Bearings (O):** sintered iron, practical for light loads.



#S-HL-4AR Swivel showing Vulcalite™ wheel

### BRAKE CHOICES *for more help, see page 20*

★-B



Thumbscrew Brake [only 3" swivel]

★-TB



Toe Brake [swivels, except 3"]

### WHEEL CHOICES *for more help, see pages 14 & 15*



**Aqualite®:** solid polyolefin, water & chemical resistant



**Ebonite:** solid extra hard rubber



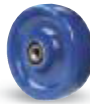
**Metal:** cast iron, heavy duty design



**Plastex:** phenolic, low cost, high capacity



**Poly-Tech®:** 90A poly on propylene core, lighter duty institutional use.



**Unilast®:** 95A solid poly – institutional use



**Versa-Tech®:** 65A non-marking light gray rubber on propylene core



**Vulcalite™:** 70A rubber molded to aluminum center



#R-HL-4NF Rigid showing Poly-Tech® wheel



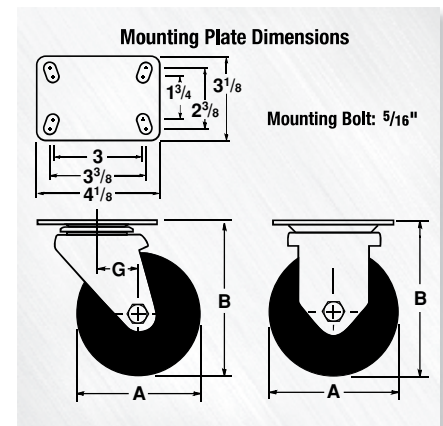
#S-HL-3P Swivel showing wide-face Plastex wheel

★ = same day/next day **PRONTO®** shipment.

### HL Series Selection Table

Dia. A	Wheel				Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
	Face	Type	Bearing	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
3	1½	Plastex*	Roller	W-310-P-¾	★ S-HL-3P	2	★ R-HL-3P	1¾	400	4	1⅞
4	1½	Unilast®*	Roller	W-412-UY-¾	★ S-HL-4UY	2	★ R-HL-4UY	1¾	400	5⅞	1½
		Poly-Tech®	Ball	W-413-NF-½	★ S-HL-4NF	2¼	★ R-HL-4NF	2	400		
	1½	Versa-Tech®	Ball	W-413-TE-½	★ S-HL-4TE	2¼	★ R-HL-4TE	2	250		
		Aqualite®	Plain	W-415-A-¾	★ S-HL-4A	2¼	★ R-HL-4A	2	400		
		Ebonite	Oilless	W-415-EO-¾	★ S-HL-4EO	2½	★ R-HL-4EO	2¼	300		
		Flexonite	Oilless	W-415-FO-¾	★ S-HL-4FO	2½	★ R-HL-4FO	2¼	200		
		Metal	Roller	W-415-M-¾	S-HL-4M	3¾	R-HL-4M	3½	400		
		Plastex*	Roller	W-415-P-¾	★ S-HL-4P	2½	★ R-HL-4P	2¼	375		
		Vulcalite™	Ball	W-415-AR-¾	★ S-HL-4AR	2¾	★ R-HL-4AR	2½	200		
		5	1½	Poly-Tech®	Ball	W-513-NF-½	★ S-HL-5NF	2½	★ R-HL-5NF		
Versa-Tech®	Ball			W-513-TE-½	★ S-HL-5TE	2½	★ R-HL-5TE	2¼	275		
1½	Aqualite®		Plain	W-515-A-¾	★ S-HL-5A	2½	★ R-HL-5A	2¼	400		
	Ebonite		Oilless	W-515-EO-¾	★ S-HL-5EO	3	★ R-HL-5EO	2¾	400		
	Metal		Roller	W-515-M-¾	S-HL-5M	4½	R-HL-5M	4¼	400		
	Plastex		Roller	W-515-P-¾	★ S-HL-5P	3	★ R-HL-5P	2¾	400		
	Vulcalite™		Roller	W-515-AR-¾	★ S-HL-5AR	3¾	★ R-HL-5AR	3	240		

\* These wheels lubricated through lube axle.



**Leader Casters**



#S-224-E0 Swivel showing Ebonite wheel

These are the price leaders of the Hamilton line. Nevertheless, you will find quality features like bright zinc plated finish and hardware, with bolt and nut (not rivet) axles used exclusively. They are popularly used on dollies, laundry trucks, food containers and other light duty equipment.

**FEATURED WHEEL BEARINGS**



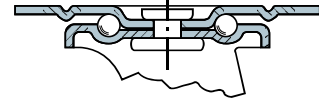
**Straight Roller Bearings:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



**Oilless Sleeve Bearings (O):** sintered iron, practical for light loads.

**QUALITY FEATURES**

**Swivel Construction** – heavy gauge steel.



**Kingpin** – husky rivet type.

**Load Bearing** – single row of steel balls rotating in deeply embossed raceways.

**Axle** – bolt with lock nut; 5/16" diameter with 2 1/2" wheels, 3/8" diameter with 3" wheels, and 7/16" diameter with 4" wheels.

**Lubrication** – swivel raceway pregreased at factory; hollow axle or fitting in wheel hub provided for lubricating roller bearing wheels.

**BRAKE CHOICE** for more help, see page 20



Thumbscrew Brake



#R-223-M Rigid showing sintered iron wheel. Rigid Leader models are of one-piece heavy gauge steel, formed to match the strength of their swivel mates.

**WHEEL CHOICES** for more help, see pages 14 & 15



**Aqualite®:** solid polyolefin, water & chemical resistant



**Ebonite:** solid extra hard rubber



**Metal:** cast iron, heavy duty design



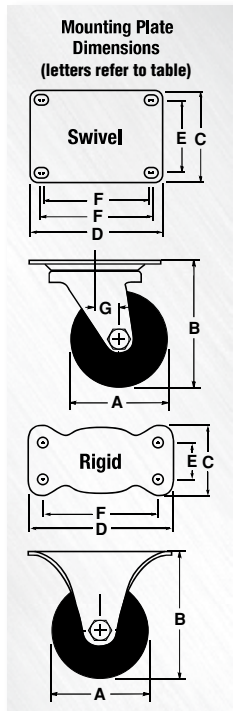
**Plastex:** phenolic, low cost, high capacity



**Moldon Rubber:** 1" thick 70D rubber, tensile strength exceeds 1,000 psi



**Vulcalite™:** 70A rubber molded to aluminum center



\* = same day/next day **PRONTO®** shipment.

**200 Series Selection Table**

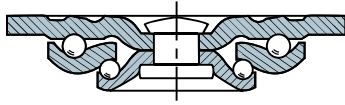
Dia. A	Wheel				Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G	Swivel Plate			Rigid Plate		
	Face	Type	Replacement Number	Bearing	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.				Size CxD	Holes ExF	Bolt Size	Size CxD	Holes ExF	Bolt Size
2 1/2	1	Sintered Iron	W-210-ML-5/16	Plain	*S-222 1/2-M	1 1/2	*R-222 1/2-M	1 1/4	200	3 3/4	1 5/16	2 3/4 x 3 3/4	1 3/4 x 3	5/16	2 1/4 x 4 1/2	1 1/8 x 3 1/2	5/16
		Ebonite	W-25-E0-5/16	Oilless	*S-222 1/2-E0	1 1/4	*R-222 1/2-E0	1	175								
		Flexonite	W-25-F0-5/16	Oilless	*S-222 1/2-F0	1 1/4	*R-222 1/2-F0	1	120								
3		Flexonite	W-30-F0-3/8	Oilless	*S-223-F0	1 1/2	*R-223-F0	1 1/4	125	3 3/4	1 3/16	3 3/8 x 4 1/4	2 3/8 x 3 3/8 - 3 1/2	5/16	2 1/2 x 5	1 3/8 x 4	5/16
		Flexonite*	W-30-FH-3/8	Roller	S-223-FH	2	R-223-FH	1 3/4	125								
		Sintered Iron	W-312-ML-3/8	Plain	*S-223-M	2 1/4	*R-223-M	2	250								
		Sintered Iron*	W-312-M-3/8	Roller	*S-223-MH	2 1/2	*R-223-MH	2 1/4	250								
		Aqualite®	W-30-A-3/8	Plain	*S-223-A	1 1/4	*R-223-A	1	230								
4		Aqualite®	W-415-A-5/8	Plain	*S-224-A	2 3/4	*R-224-A	2	300	5	1 1/8	4 x 5 1/2	3 x 4	5/8	3 x 6 3/8	1 3/4 x 5	5/8
		Ebonite	W-415-E0-5/8	Oilless	*S-224-E0	3	*R-224-E0	2 1/4	300								
		Ebonite*	W-415-EH-5/8	Roller	*S-224-EH	3 1/4	*R-224-EH	2 1/2	300								
		Flexonite	W-415-F0-5/8	Oilless	*S-224-F0	3 3/4	*R-224-F0	2 1/2	200								
		Flexonite*	W-415-FH-5/8	Roller	*S-224-FH	3 3/4	*R-224-FH	2 1/2	200								
		Metal	W-416-ML-7/16	Plain	*S-224-M	4 1/2	*R-224-M	2	375								
		Metal	W-415-M-5/8	Roller	*S-224-MH	4 1/4	*R-224-MH	3 1/2	375								
		Plastex*	W-415-P-5/8	Roller	*S-224-PH	3 1/4	*R-224-PH	2 1/2	375								
		M.O. Rubber*	W-415-R-5/8	Roller	*S-224-RH	4 1/4	*R-224-RH	3 1/2	200								
		Vulcalite™	W-415-AR-5/8	Ball	*S-224-AR	3 3/4	*R-224-AR	3	200								

\*These wheels lubricated through lube axle.

## General Utility Casters

### QUALITY FEATURES

**Swivel Construction** – heavy gauge cold rolled steel, formed for strength and heat treated for long life.



**Kingpin** – permanent rivet type, hydraulically upset.

**Main and Secondary Load Bearings** – two full rows of steel balls rotate in two separate raceways, accurately formed and hardened.

**Axle** – 3/8" diameter bolt with lock nut.

**Lubrication** – ball bearings in swivel and wheels pre-lubricated at factory.

All the ingredients of sound caster engineering are present in Hamilton's lowest capacity offering: two separate ball races, a compact but ruggedly handsome fork design, and surprisingly competitive prices. Bright zinc plating ensures continued good looks in hotels, stores, schools, offices, etc.

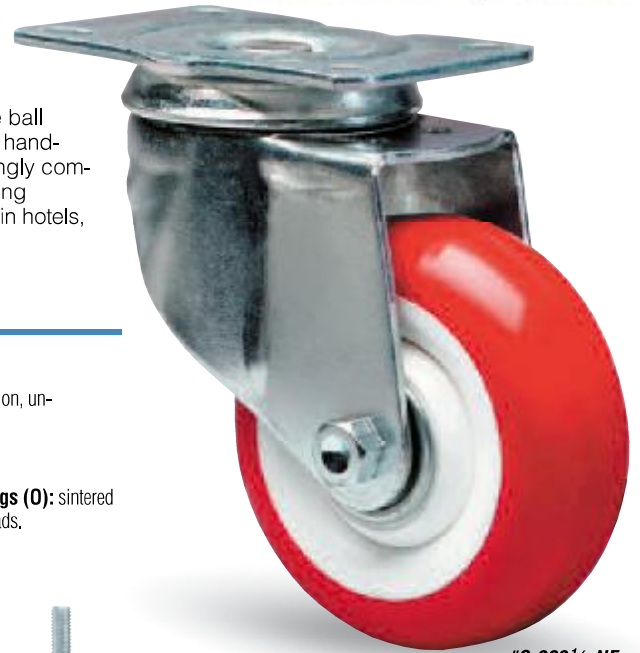
### FEATURED WHEEL BEARINGS



**Ball Bearings:** Non-precision, un-ground radial-type.



**Oilless Sleeve Bearings (O):** sintered iron, practical for light loads.



#S-303 1/2-NF Swivel showing Poly-Tech® wheel

### BRAKE CHOICES *for more help, see page 20*

-B



Thumbscrew Brake [rigids only]

★-TB



Toe Brake [plate-type swivels only]

★-LCB



Combination Brake, locks both swivel mechanism and wheel. Available on plate-type swivel models except 3"



Stem models are offered in two sizes only, as shown in chart. A 4" swivel (#S-342) has a round threaded stem 1/2"-13 x 1 1/2" long. The 5" size is available in swivel and rigid models (#S/R-352) with octagonal stem 3/4" x 2 1/16" long with holes for 1/4" bolts."

★ = same day/next day **PRONTO®** shipment.

### 300 Series Selection Table

Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
	Face	Type	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
3	1 3/8"	Aqualite®	W-30-A-3/8"	★S-331-A	1 3/8"	★R-331-A	1 1/4"	230	4	1 3/8"
3 1/2	1 1/4"	Ebonite	W-35-EO-1/2"	★S-303 1/2-E	2 1/4"	★R-303 1/2-E	1 1/2"	225	4 9/16"	1 1/8"
		Flexonite	W-35-FO-1/2"	★S-303 1/2-F	2 1/4"	★R-303 1/2-F	1 1/2"	140		
	1 3/8"	Versa-Tech®	W-35-TE-1/2"	★S-303 1/2-TE	2 1/4"	★R-303 1/2-TE	1 1/2"	240		
		Aqualite®	W-35-A-1/2"	★S-303 1/2-A	2	★R-303 1/2-A	1 1/4"	260		
4	1 1/4"	Poly-Tech®	W-35-NF-1/2"	★S-303 1/2-NF	2	★R-303 1/2-NF	1 1/4"	325	5	1 1/8"
		Ebonite	W-412-EO-1/2"	★S-341-E	2 1/4"	★R-341-E	1 3/4"	250		
		Flexonite	W-412-FO-1/2"	★S-341-F	2 1/4"	★R-341-F	1 3/4"	165		
	Unilast®*	W-412-UY-5/8"	★S-341-UY	2 1/4"	★R-341-UY	1 3/4"	325			
	Aqualite®	W-413-A-1/2"	★S-341-A	2	★R-341-A	1 1/2"	275			
1 3/8"	Versa-Tech®	W-413-TE-1/2"	★S-341-TE	2 1/4"	★R-341-TE	1 3/4"	250			
	Poly-Tech®	W-413-NF-1/2"	★S-341-NF	2 1/4"	★R-341-NF	1 3/4"	325			
5	1 1/4"	Ebonite	W-512-EO-1/2"	★S-351-E	3	★R-351-E	2 1/4"	280	6 1/8"	1 1/8"
		Flexonite	W-512-FO-1/2"	★S-351-F	3	★R-351-F	2 1/4"	190		
	1 3/8"	Versa-Tech®	W-513-TE-1/2"	★S-351-TE	3	★R-351-TE	2 1/4"	275		
		Poly-Tech®	W-513-NF-1/2"	★S-351-NF	2 1/2"	★R-351-NF	1 3/4"	325		

#### THREADED STEM MODEL

4	1 1/4"	Ebonite	W-412-EO-1/2"	★S-342-E	2 1/4"	X	X	250	5 3/8"	1 3/8"
		Flexonite	W-412-FO-1/2"	★S-342-F	2 1/4"	X	X	165		
	1 3/8"	Versa-Tech®	W-413-TE-1/2"	★S-342-TE	2 1/4"	X	X	200		
		Poly-Tech®	W-413-NF-1/2"	★S-342-NF	2	X	X	200		

#### OCTAGONAL STEM MODEL

5	1 3/8"	Versa-Tech®	W-513-TE-1/2"	★S-352-TE	3 1/2"	★R-352-TE	3	250	6 1/8"	1 1/8"
		Poly-Tech®	W-513-NF-1/2"	★S-352-NF	3	★R-352-NF	2 1/2"	250		

\* This wheel lubricated through lube axle.

### WHEEL CHOICES *for more help, see pages 14 & 15*



**Aqualite®:** solid poly-olefin, water & chemical resistant

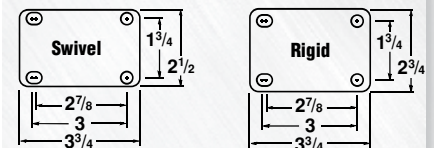
**Ebonite:** solid extra hard rubber

**Poly-Tech®:** 90A poly on propylene core, lighter duty institutional use.

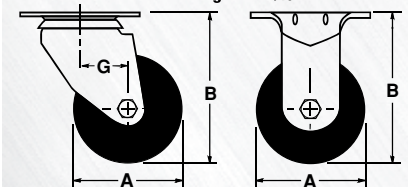
**Unilast®:** 95A solid poly – institutional use

**Versa-Tech®:** 65A non-marking light gray rubber on propylene core

#### Mounting Plate Dimensions



Mounting Bolt: 5/16"



**Cush-N-Aire Casters**



#S-7008-PR Swivel

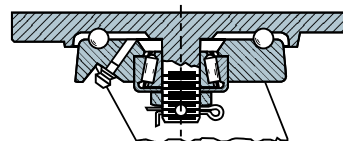
Hamilton Cush-N-Aires have become widely recognized as the leading pneumatic-tired casters in the industry. The quality that earned this reputation continues without compromise: all swivels are S.A.E. 1045 drop forged steel with an integrally forged kingpin and precision tapered thrust bearing to ensure easy swiveling and longer life.

These shock absorbing casters are popular for handling missile components, electronic equipment, ceramics, liquids, etc., as well as for use outdoors over rough surfaces. Pneumatic tires offer "variable flotation": reduce inflation pressure to improve cushioning for lighter loads, or inflate fully for optimum rollability and capacity loads. All wheels except the 4-ply 16" size have bolted hubs.

Rigid Cush-N-Aire models, offering overall height and template patterns to match the swivels, are constructed of plate steel legs welded inside and outside to steel mounting plate.

**QUALITY FEATURES**

**Swivel Construction** – drop forged steel mounting plate and horn base. Legs 1/4" thick on 8" and 10" models; 3/8" on 12", 16", 21" and 25"; and 1/2" on 18" models, welded inside and outside.



**Kingpin** – integrally forged with mounting plate, 3/4" diameter on 8" and 10" models; 1" diameter on 12"-18" models; and 1 1/4" dia. on 21" and 25" models.

**Main Load Bearing** – large diameter raceway machined for hardened and polished steel balls.

**Secondary Load Bearing** – precision tapered roller bearing capped with grease retainer.

**Axle** – bolt and nut type: 1/2" diameter on 8" and 10" roller bearing models; 3/4" diameter on 10" tapered bearing models and all 12" models; 1" diameter on all 16" and 18" models; 1 1/4" on 21" and 25" models.

**Tires** – 8", 10", 12" and #7016-PR are 4-ply rated; #70166-PR is 6-ply rated; #70188-PR is 8-ply rated; 21" and 25" models are 10-ply rated.



Swivel casters on this page feature Forged Steel Integral Kingpins guaranteed for life.

**OPTIONAL ACCESSORIES** more help on page 13



#R-7012-PR Rigid

- Swivel Locks – 4 position (★4SL [8", 10", & 12"])
- Special Overall Height
- Foam Filled Wheels
- Gray Non-marking Tires

**FEATURED WHEEL BEARINGS**

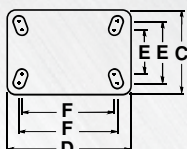


**Precision Tapered Roller Bearing:** best for most severe heavy duty or all power-towed applications

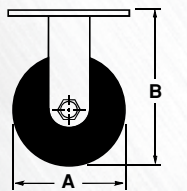
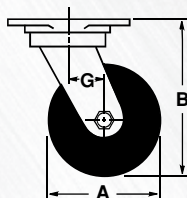


**Straight Roller Bearing:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

**Mounting Plate Dimensions**



Mounting Bolt:  
1/2" on 8" to 18" models  
5/8" on 21" to 25" models



**BRAKE CHOICES** for more help, see page 20

-FCB



Foot Contact Brake [8" to 18" models]

★-FB



Side Foot Brake [8" to 12" models]

★-FRB



Rap-A-Round Foot Brake [8" to 12" models]

-ZB



Heavy Duty Contact Brake [8" & 10" models]

-B, -HB



Thumbscrew Brake [8" to 12" models, -HB on 16" & 18"]

★ = same day/next day PRONTO® shipment.

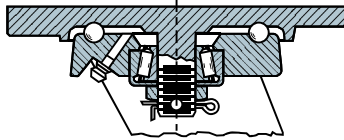
**7000 Series Selection Table**

Nom. Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G	Mounting Plate	
	Tire Size	Replacement Number	Max. Air Pressure	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.				Size CxD	Holes ExF
8	2.80/2.50-4	W-8-PR-3/4	50	★S-7008-PR	12	★R-7008-PR	8 1/2	330	10 3/8	2 3/4	4 1/2 x 6 1/2	2 7/16 x 4 5/16 slotted to 3 3/8 x 5 1/4
	3.40/3.00-5	W-10-PR-3/4	100	★S-7010-PR	14	★R-7010-PR	11	480	12 1/2	3		
10	3.40/3.00-5	W-10-PRT-3/4	100	S-70104-PR	14	R-70104-PR	11	480	12 1/2	3	6 1/8 x 7 1/2 (swivel)	4 1/8 x 6 1/8
	4.10/3.50-6	W-12-PR-1	50	★S-7012-PR	31	★R-7012-PR	24	625	15 1/2	3 1/2		
12	4.10/3.50-6	W-12-PRT-3/4	50	S-70124-PR	31	R-70124-PR	24	625	15 1/2	3 1/2	5 1/2 x 7 1/2 (rigid)	4 1/8 x 6 1/8
	4.80-8	W-164-PR-1	60	★S-7016-PR	36	★R-7016-PR	29	960	18 3/4	4 1/2		
16	4.80-8	W-166-PRT-1	90	★S-70166-PR	39	★R-70166-PR	32	1220	18 3/4	4 1/2	8 1/2 x 8 1/2	7 x 7
	5.70-8	W-188-PRT-1	115	S-70188-PR	50	R-70188-PR	44	1655	21 1/4	5		
18	6.90/9	W-210-PRT-1 1/4	125	S-70210-PR	90	R-70210-PR	73	2500	24 1/2	5		
25	7.50/10	W-250-PRT-1 1/4	100	S-70250-PR	112	R-70250-PR	95	3700	28 3/4	5		

◆ Approximate since O.D. of tires can vary, as will deflection with pressure and loading.

### QUALITY FEATURES

**Swivel Construction** – drop forged steel mounting plate and horn base. Legs ¼" thick on 8", 10", & 12" (7112 only) models; ⅜" on 12", 16", 21" and 25"; and ½" on 18" models, welded inside and outside.



**Kingpin** – integrally forged with mounting plate, ¾" diameter on 8", 10" & 12" (7112 only) models; 1" diameter on 12"-18" models; and 1¼" dia. on 21" and 25" models.

**Main Load Bearing** – large diameter raceway machined for hardened and polished steel balls.

**Secondary Load Bearing** – precision tapered roller bearing capped with grease retainer.

**Axle** – bolt and nut type: ½" diameter on 8" and 10" roller bearing models; ¾" diameter on 10" tapered bearing models and all 12" models; 1" diameter on all 16" and 18" models; 1¼" on 21" and 25" models.

**Tires** – 8", 10", 12" and #7116 are 4-ply rated; #71166 is 6-ply rated; #71188 is 8-ply rated; 21" and 25" models are 10-ply rated.

The new 7100 Series of pneumatic casters combines the proven heavy-duty forged steel construction of the 7000 Series with the industry's most popular top plate – 4" x 5". The 7100 Series Casters are also enhanced with a bright zinc plate finish to prevent rust and wear in indoor and outdoor applications.

Because pneumatic-tired casters cushion loads and roll well on paved or concrete surfaces, this series is well-suited for aerospace ground support equipment (power towed and manual operations), and sensitive cargo such as military weaponry and any other miscellaneous equipment requiring extra care during transport.



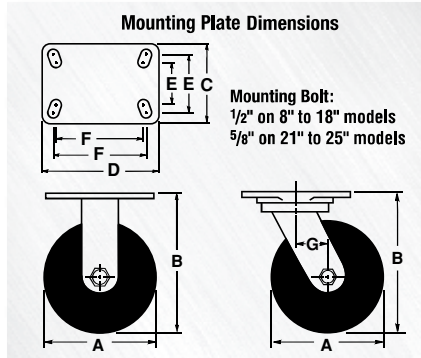
#S-7111-PR Swivel



### OPTIONAL ACCESSORIES *more help on page 13*



- **Swivel Locks** – 4 position (-4SL)  
–convert swivel to rigid for straight line steering
- **Special Overall Height**
- **Foam Filled Wheels**
- **Gray Non-marking Tires**



### BRAKE CHOICES *for more help, see page 20*

-FCB



Foot Contact Brake  
[8" to 18" models]

★-FB



Side Foot Brake  
[8" to 12" models]

★-FRB



Rap-A-Round  
Foot Brake  
[8" to 12" models]

-ZB



Heavy Duty  
Contact Brake  
[8" & 10" models]

-B, -HB



Thumbscrew Brake  
[8" to 12" models,  
-HB on 16" & 18"]

### 7100 Series Selection Table

3YR = 3 Year Warranty applies

Nom. Dia. A	Tire Size	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G	Mounting Plate	
		Replacement Number	Max. Air	Bearing Type	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.				Size C&D	Holes E&F
8	2.80/2.50-4	W-8-PR-¾	50	Roller	★S-7108-PR	12	★R-7108-PR	8	330	10%	2¾	4 x 5*	3 x 3¾ slotted to 2¾ x 3
	2.80/2.50-4	W-8-PR-¾	50	Roller	S-7118-PR	12	R-7118-PR	9	330	10%	2¾	4½ x 6½	3¾ x 5¼ slotted to 2⅞ x 4¼
10	3.40/3.00-5	W-10-PR-¾	100	Roller	★S-7110-PR	14	★R-7110-PR	10	480	12½	3	4 x 5*	3 x 3¾ slotted to 2¾ x 3
	3.40/3.00-5	W-10-PR-¾	100	Roller	S-7111-PR	14	R-7111-PR	11	480	12½	3	4½ x 6½	3¾ x 5¼ slotted to 2⅞ x 4¼
	3.40/3.00-5	W-10-PRT-¾	100	Tapered	S-71104-PR <sup>3YR</sup>	14	R-71104-PR <sup>3YR</sup>	11	480	12½	3		
12	4.10/3.50-6	W-12-PR-1	50	Roller	★S-7112-PR	17	★R-7112-PR	14	625	15¼	3¾	4 x 5*	3 x 3¾ slotted to 2¾ x 3
	4.10/3.50-6	W-12-PR-1	50	Roller	S-7113-PR	31	R-7113-PR	24	625	15½	3½	6½ x 7½ (swivel)	4¾ x 6¾
	4.10/3.50-6	W-12-PRT-¾	50	Tapered	S-71124-PR <sup>3YR</sup>	31	R-71124-PR <sup>3YR</sup>	24	625	15½	3½		
16	4.80-8	W-164-PR-1	60	Roller	S-71116-PR	36	R-71116-PR	29	960	18%	4½	5½ x 7½ (rigid)	4¾ x 6¾
	4.80-8	W-166-PRT-1	90	Tapered	S-71166-PR <sup>3YR</sup>	39	R-71166-PR <sup>3YR</sup>	32	1220	18%	4½		
18	5.70-8	W-188-PRT-1	115	Tapered	S-71188-PR <sup>3YR</sup>	50	R-71188-PR <sup>3YR</sup>	44	1655	21¼	5	8½ x 8½	7 x 7
21	6.90-9	W-210-PRT-1¼	125	Tapered	S-71210-PR <sup>3YR</sup>	90	R-71210-PR <sup>3YR</sup>	73	2500	24½	5		
25	7.50-10	W-250-PRT-1¼	100	Tapered	S-71250-PR <sup>3YR</sup>	112	R-71250-PR <sup>3YR</sup>	95	3700	28%	5		

♦ Approximate since O.D. of tires can vary, as will deflection with pressure and loading.

\* Rigid top plate is 4" x 4½"; Holes are 2¾" x 3¾" slotted to 3" x 3".

**Dual Pneumatic Casters**

Expertly designed and engineered by Hamilton, Series 7200 gives you a standard line of casters with pneumatic rubber-tired wheels dually mounted to provide higher capacities. They were created to meet growing demand from applications like ground support for the aircraft and aerospace industries, construction or other outdoor uses, and shock protection for heavy equipment.



#S-72188-PR Swivel

**QUALITY FEATURES**

**Swivel Construction** – all models have drop forged steel mounting plate and horn base, with integrally forged kingpins and precision tapered thrust bearings; 8" and 10" models based on Series HS, pg. 33; 12" and 16" on Series EHD, pp. 25-26; and 18" through 25" on Series MD, page 22.

**Legs** – plate steel, continuously welded inside and outside to horn base. Wheels mounted outside for optimum stability.

**Wheels** – bolted type industrial duty with heavy-duty bearings; automotive type tapered roller bearings with grease seals standard in 16" and 18" sizes, straight roller bearings in all others.

**Axle Diameter** – ¾" on 8" and 10" models; 1" on 12" and 16" models; 1¼" on 18" through 25" models.

**Tires** – 8", 10" and 12" sizes are 4-ply rated, 16" is 6-ply, the extra-rugged 18" is 8-ply and the super rugged 21" & 25" are 10-ply.

**Lubrication Fittings** – to swivel assembly and to most wheel bearings.



#R-7212-PR Rigid

**OPTIONAL ACCESSORIES** more help on page 13



- Swivel Locks – 4 position (-4SL)
- Special Overall Height
- Foam Filled Wheels
- Gray Non-marking Tires – consult factory



Golf ball collector rolls on pneumatic swivel casters.



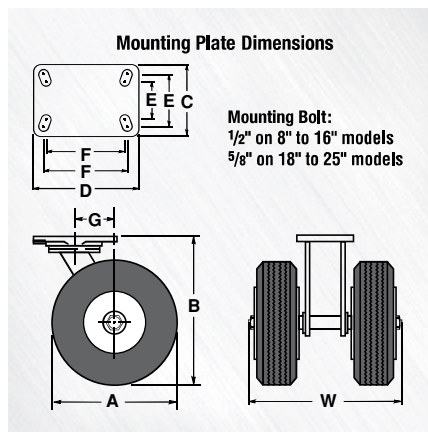
Swivel casters on this page feature Forged Steel Integral Kingpins guaranteed for life.

**BRAKE CHOICE** for more help, see page 20



Dual Tread Contact Brake

Constructed of heavy duty steel components, this Dual Tread Contact Brake is also adjustable to compensate for tread wear and inflation pressure.



**7200 Series Selection Table**

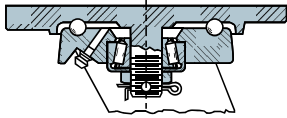
Nom. Dia. A	Wheel				Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G	Overall Width @ Axle W	Mounting Plate	
	Tire Size	Ply (Load Range)	Tire Infl. Lbs.	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.					Size CxD	Holes ExF
8	2.80/2.50-4	4(B)	50	W-8-PR-¾"	S-7208-PR	18	R-7208-PR	14	660	10½"	2½"	10½"	4½" x 6½"	2½" x 4½" slotted to 3½" x 5¼"
10	3.40/3.00-5	4(B)	100	W-10-PR-¾"	S-7210-PR	22	R-7210-PR	18½"	960	12½"	3"	11¼"		
12	4.10/3.50-6	4(B)	50	W-12-PR-1"	S-7212-PR	40	R-7212-PR	33½"	1250	15½"	3½"	14½"	S:6½" x 7½"	4½" x 6½"
16	4.80-8	6(C)	90	W-166-PRT-1"	S-72166-PR	58	R-72166-PR	51½"	2440	18¾"	5"	16½"	R:5½" x 7½"	
18	5.70-8	8(D)	115	W-188-PRT-1¼"	S-72188-PR	92	R-72188-PR	75"	3310	21"	5"	19"		
21	6.90/9	10(E)	125	W-210-PRT-1¼"	S-72210-PR	128	R-72210-PR	111"	5000	24½"	5"	23½"	8½" x 8½"	7 x 7
25	7.50/10	10(E)	100	W-250-PRT-1¼"	S-72250-PR	177	R-72250-PR	152"	7400	28¾"	5"	23½"		

◆ Approximate since O.D. of tires can vary, as will deflection with pressure and loading.

## Heavy Duty Ground Support Casters

### QUALITY FEATURES

**Swivel Construction** – drop forged steel mounting plate and horn base. Legs  $\frac{3}{8}$ " thick welded inside and outside to horn base.



**Kingpin** – integrally forged with mounting plate. 1" diameter on all but the 21" model which has a  $1\frac{1}{4}$ " kingpin.

**Main Load Raceway** – large diameter raceway machined for hardened and polished steel balls. The 21" model uses Hamilton's HPI™ Swivel Technology.

**Secondary Load Bearing** – precision tapered thrust bearing counteracts radial thrust.

**Axle** – 1" axle on 14", 16" and 18" models; 21" models have  $1\frac{1}{4}$ " axle.

**Lubrication fittings** – Ball-check type in swivel assembly and in wheel hubs.

### BRAKE CHOICES *for more help, see page 20*

- (-FCB [14", 16" & 18" models]), (-HB [16" & 18" models])

★ = same day/next day **PRONTO®** shipment.

Hamilton's new 7500 Series is the ultimate marriage of a truly heavy duty semi-pneumatic tire with Hamilton's premium forged steel swivel caster technology. This new series is ideally suited for heavy duty ground support applications. Available in four sizes, from 14" x 4" to 21" x 6", all wheels are equipped with  $1\frac{1}{4}$ " precision tapered roller bearings making them well suited for Ground Support towing applications.

The tires are comprised of three tread sections: a firm, stable base compound for strong rim adhesion; a very resilient middle section to dampen the shock of uneven rolling surfaces; and a tough low rolling resistance tread to reduce energy consumption. The result is a soft ride that compares with full pneumatic tires, but with much higher capacities than their air-filled cousins.

### OPTIONAL ACCESSORIES *Consult Factory*

- Swivel Lock—4 position (-4SL)
- Dual Wheel versions for even higher capacities
- Gray Non-marking Tires
- Special Overall Height
- Zinc plating

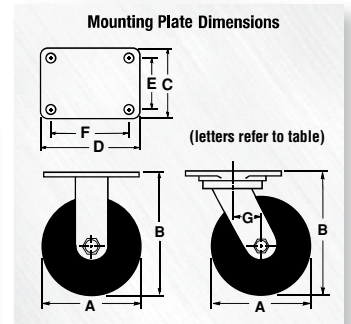


#S-7516-SPRT Swivel

### 7500 Series Selection Table

Nom. Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G	Mounting Plate	
	Tire Width	Tire Size	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.				Size CxD	Holes ExF
14	4	300 x 8	W-1440-SPRT-1½	S-7514-SPRT	40	R-7514-SPRT	29	1500	17½	4½	6½ x 7½ (swivel)	4½ x 6½
16	5½	400 x 8	W-1650-SPRT-1½	★ S-7516-SPRT	52	★ R-7516-SPRT	41	2900	18½	4½	5½ x 7½ (rigid)	
18	5½	500 x 8	W-1850-SPRT-1½	S-7518-SPRT	71	R-7518-SPRT	61	3300	21	5	8½ x 8½	
21	6	600 x 9	W-2160-SPRT-1½	S-7521-SPRT	106	R-7521-SPRT	89	4200	24	5	7 x 7	

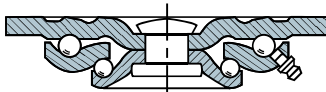
◆ Approximate since O.D. of tires can vary, as will deflection with pressure and loading.



## Cold Forged Pneumatic Casters

### QUALITY FEATURES

**Swivel Construction** – formed steel mounting plate and horn base. Legs  $\frac{3}{8}$ " x 2" plate steel, contoured and continuously welded to horn base.



**Kingpin** – permanent rivet-type,  $\frac{5}{8}$ " diameter.

**Main and Secondary Load Bearings** – hardened and polished steel balls rotate in two heat treated raceways.

When you don't need the ruggedness of a forged steel pneumatic caster, this caster series is an ideal economical choice. The top plate matches the industry's most popular dimension and the cold-forged double ball race swivel construction assures long-lasting performance. All models are zinc plated and stocked for 1-2 day **PRONTO®** shipment.

### OPTIONAL ACCESSORIES *more help on page 13*

- Foam Filled Wheels

### BRAKE CHOICE *for more help, see page 20*

★-FB



Side Foot Brake [8" & 10" only]

★ = same day/next day **PRONTO®** shipment.



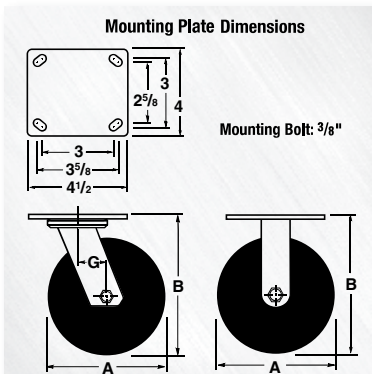
#S-5210-PR Swivel

### 5000 Series Selection Table

Nom. Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
	Tire Size	Replacement Number	Max. Air Pressure	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.			
8	2.80/2.50-4	W-8-PR-¾	50	★ S-5208-PR	8½	★ R-5208-PR	8½	320	11¼	2½
10	3.40/3.00-5	W-10-PR-¾	100	★ S-5210-PR	10¼	★ R-5210-PR	10	480	12½	2½
12	4.10/3.50-6	W-12-PR-½*	50	★ S-5212-PR	14¼	★ R-5212-PR	13½	500	15½	3½

◆ Approximate since O.D. of tires can vary, as will deflection with pressure and loading.

\*  $\frac{1}{2}$ " ball bearing used in this wheel.



**Cush-N-Flex Casters**



#S-8008-SU Swivel Caster

Cush-N-Flex Casters feature the extra soft (60 durometer), solid rubber Super-Flex wheels described on page 85. They resemble pneumatics in appearance, but being puncture proof eliminate any risk of "flats." The extra-thick rubber tires are permanently vulcanized to cast aluminum hubs fitted with straight roller bearings to withstand rigorous industrial service.

You can choose either a caster having a precision thrust bearing with an integrally forged kingpin, or the more economical double ball race, rivet-kingpin model.

Specify Series 8000 Casters for use over very rough surfaces like steel grating, door sills, etc., or to provide greater cushioning than is achievable with other wheel types.

**QUALITY FEATURES**

**Swivel Construction – (except #S-8008, #S-8010-SU, and #S-8012-SU)**—cold forged steel mounting plate and horn base, double ball race, formed and welded legs, and 5/8" diameter king-pin (3/4" on 10" & 12" models). Choice of two popular mounting plate and height dimensions on 6" and 8" models.

**Swivel Construction – Models #S-8008-SU, #S-8010-SU and #S-8012-SU**—drop forged steel mounting plate and horn base, plate steel legs welded inside and outside, main load ball race with precision tapered thrust bearing around integrally forged kingpin. A premium design, suitable for power towing.

**Axle** – bolt and nut type: 1/2" diameter on all models, except #S/R-8012-SU, #S/R-8410-SU, and #S/R-8412-SU which are 3/4" dia.

**Wheel Bearing** – straight roller type: 3/4" with spanner bushing on all models except #S/R-8012-SU, #S/R-8410-SU, and #S/R-8412-SU (1" with spanner bushing on these).

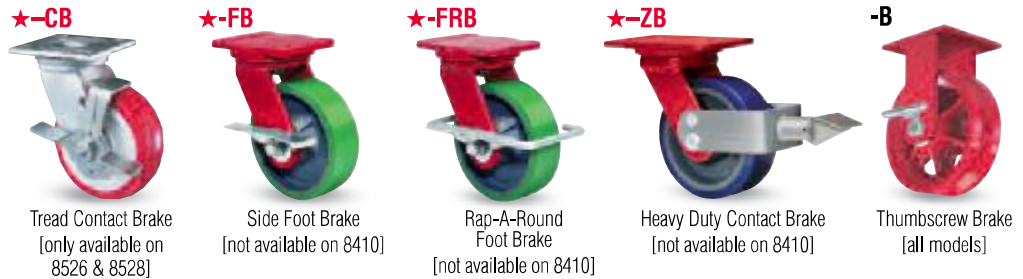
**OPTIONAL ACCESSORIES** *more help on page 13*

- **Swivel Locks—4 position (★4SL)**  
—convert swivel to rigid for straight line steering. (only on #S-8526-SU, #S-8008-SU, #S-8528-SU, #S-8010-SU, and #S-8012-SU)



#R-8526-SU. Rigid Cush-N-Flex models are constructed of plate steel legs welded inside and outside to matching steel mounting plates.

**BRAKE CHOICES** *for more help, see page 20*



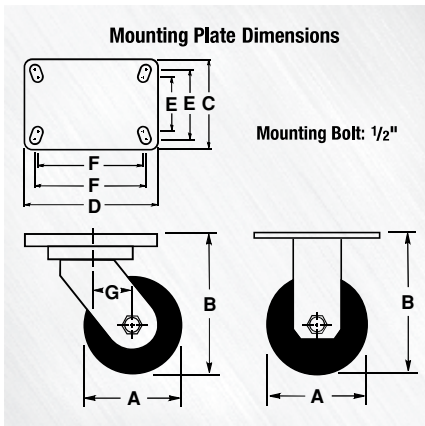
★-CB Tread Contact Brake [only available on 8526 & 8528]

★-FB Side Foot Brake [not available on 8410]

★-FRB Rap-A-Round Foot Brake [not available on 8410]

★-ZB Heavy Duty Contact Brake [not available on 8410]

-B Thumbscrew Brake [all models]



★ = same day/next day **PRONTO®** shipment.

**8000 Series Selection Table**

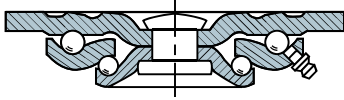
Dia. A	Wheel		Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G	Mounting Plate		
	Face	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.				Size CxD	Holes ExF	Bolt Size
6	2.00	W-6-SU-3/4	★S-8006-SU	7	★R-8006-SU	6	300	7 1/2	2	4 1/2 x 6 1/4	2 1/16 x 4 15/16 slotted to 3 3/8 x 5 1/4	1/2
			★S-8526-SU	6 1/4	★R-8526-SU	5 1/4	300	7 1/2	2 1/8	4 x 4 1/2	2 5/8 x 3 3/8 slotted to 3 x 3	3/8
8	2.00	W-8-SU-3/4	★S-8008-SU	13	★R-8008-SU	9	500	10 1/4	2 3/4	4 1/2 x 6 1/2	2 1/16 x 4 15/16 slotted to 3 3/8 x 5 1/4	1/2
			★S-8208-SU	9 3/4	★R-8208-SU	8 3/4	500	9 1/2	2 3/8	4 1/2 x 6 1/4	2 5/8 x 3 3/8 slotted to 3 x 3	3/8
			★S-8528-SU	8 1/2	★R-8528-SU	8	500	9 1/2	2 3/8	4 x 4 1/2	2 5/8 x 3 3/8 slotted to 3 x 3	3/8
10	2.75	W-10-SU-3/4	★S-8010-SU	16	★R-8010-SU	12	700	12 3/8	3	4 1/2 x 6 1/2	2 1/16 x 4 15/16 slotted to 3 3/8 x 5 1/4	1/2
		W-10-SU-1	S-8410-SU	15 1/2	R-8410-SU	14	700	11 3/8	2	4 1/2 x 6 3/8	2 5/8 x 3 3/8 slotted to 3 3/8 x 5 1/4	
12	2.75	W-12-SU-1	★S-8412-SU	19 1/4	★R-8412-SU	18	800	13 1/2	2 1/4	6 1/2 x 7 1/2	4 1/2 x 6 1/2	1/2
		W-12-SU-1	★S-8012-SU	32	★R-8012-SU	26	800	14 1/2	2 1/2	6 1/2 x 7 1/2	4 1/2 x 6 1/2	1/2



### QUALITY FEATURES

#### 8" models–

**Swivel Construction** – cold forged steel mounting plate and horn base with formed steel legs continuously welded to horn base.



**Kingpin** – 5/8" permanent rivet type.

**Axle** – 1/2" diameter bolt and lock nut, with 1/2" I.D. x 3/4" O.D. spacer bushing.

#### 10" and 12" models–

**Swivel Construction** – 1/4" thick formed steel mounting plate and horn base, Legs 5/16" x 2 1/2" steel, formed for increased strength and continuously welded to horn base.

**Kingpin** – 3/4" diameter bolt with lock nut.

**Axle** – 3/4" diameter bolt with lock nut.

**Main and Secondary Swivel Bearings** – hardened steel balls rotate in two heat treated raceways.

**Wheel Bearings** – 3/4" I.D. heavy duty flange type ball bearings.

**Lubrication Fitting**– to swivel assembly.

Cushion rubber tires on high-impact polypropylene wheel centers suit *Cush-N-Tuf™ Casters* for fragile loads, or for service outdoors, over rough floors, dockboard lips and elevator sills. Unlike pneumatics, *Ace-Tuf®* tires won't deflate and can't be punctured. Industrial duty ball bearings are standard in all wheels.

The casters—cold forged double ball race swivels and matching plate steel rigids—are bright zinc plated to complement the natural corrosion resistance of the *Ace-Tuf®* wheel. (For specifications of *Ace-Tuf®* wheels only, see catalog page 85.) Check the attractive prices, too.

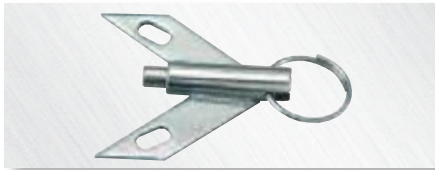


#S-4010-AT Swivel



**#R-4008-AT.** All *Cush-N-Tuf Rigid* models feature rugged plate steel construction, with legs continuously welded inside and outside to mounting plates that match the bolt patterns of the swivels.

### OPTIONAL ACCESSORIES *more help on page 13*



- **Swivel Lock** (4 position only)



- **Sealed Swivel Assembly (-SS)** (8" models only).

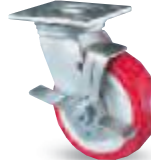
### BRAKE CHOICES *for more help, see page 20*

#### ★-ZB



Heavy Duty Contact Brake [8" models only]

#### ★-CB

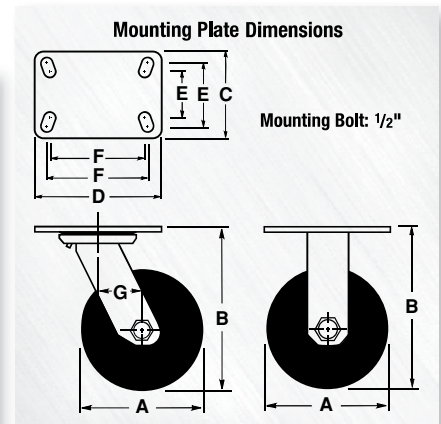


Tread Contact Brake [8" models only]

★ = same day/next day **PRONTO®** shipment.

### 4000 Series Selection Table

Wheel		Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G	Mounting Plate		
Nominal Tire Size	Replacement Number	Hamilton Model No.	Wt. Lbs.	Hamilton Model No.	Wt. Lbs.				Size CxD	Holes ExF	Bolt Size
8 x 2.50	W-8-AT-3/4	★S-4008-AT	8 1/2	★R-4008-AT	7 1/2	450	9 1/2	2%	4 1/2 x 6 1/4	2 7/16 x 4 15/16 slotted to 3 3/8 x 5 1/4	1/2
		★S-4108-AT	8 1/2	★R-4108-AT	8	450	9 1/2	2%	5 x 5 1/2	4 x 4 slotted to 4 1/8 x 4 1/2	3/8
		★S-4208-AT	8	★R-4208-AT	7 1/4	450	9 1/2	2 3/16	4 x 4 1/2	2 5/8 x 3 3/8 slotted to 3 x 3	3/8
10 x 2.75	W-10-AT-3/4	★S-4010-AT	13 3/4	★R-4010-AT	12 1/4	550	11 1/2	2 1/4	4 1/2 x 6 1/4	2 7/16 x 4 15/16 slotted to 3 3/8 x 5 1/4	1/2
12 x 3.00	W-12-AT-3/4	★S-4012-AT	16	★R-4012-AT	15 1/4	850	13 1/2				



**V-Grooved Wheel Casters**



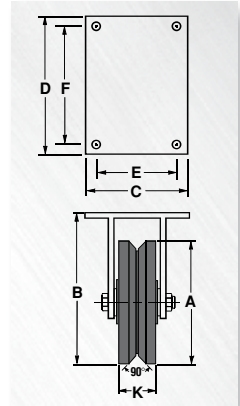
#R-EHD-8VH

V-Grooved Casters are finding increasing applications on industrial carts, assembly fixtures, containers, racks and other equipment where it is desirable to control direction, protect floors and provide ease of movement. Typical track plans are linear although curves, switches and turntables may be added to provide a multi-directional control system (in which case swivel casters must be used).

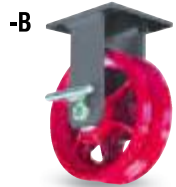
Utilizing the V-Grooved Wheels listed on the facing page, the swivel and rigid casters offered below cover a wide range of popular mounting plates, overall heights and capacities.

**OPTIONAL ACCESSORIES** *more help on page 18*

- Swivel Lock—4 position (-4SL)
- Wheel Bearing Seals (-BS/-DS)
- Special Overall Height, for most rigid models.
- Custom Engineering  
—Hamilton engineers will custom design any caster to meet customer requirements.



**BRAKE CHOICE** *for more help, see page 19*



Thumbscrew Brake

**EHD Models still available, simply change "CH" to "EHD".**

★ = same day/next day **PRONTO®** shipment.

**V Series Selection Table**

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset	Mounting Plate		
	Face K	Groove Width	Hamilton No. Roller Brgs.	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No. Roller Brgs.	Hamilton No. Tapered Brgs.	Wt. Lbs.	Size C x D				Hole Centers E x F	Bolt Size	
4	1½	¾	★ S-WW-4V	X	7	★ R-WW-4V	X	6	550	5½	1½	4 x 4½	2½ x 3½ slotted to 3 x 3	¾	
	2	¾	★ S-524-V	X	7	★ R-524-V	X	6	800	5½	1¾				
		¾	★ S-WH-4V	X	11	★ R-WH-4V	X	7	800	5½	1¾				
5	2	¾	★ S-525-V	X	8	★ R-525-V	X	7	800	6½	1¾	4 x 4½			
		¾	★ S-526-V	X	9	★ R-526-V	X	8	900	7½	2½				
6	2	¾	★ S-WH-6V	X	15	★ R-WH-6V	X	12	1000	7½	2	†			
		¾	★ S-HS-6V	X	17	★ R-HS-6V	X	13	1000	7¼	2¼				
		¾	★ S-GS-6V	X	14	★ R-GS-6V	X	13	900	7½	2				
	2½	¾	★ S-CH-6VH	S-CH-6VT	33	★ R-CH-6VH	R-CH-6VT	27	2500	8	2¼	5¼ x 7¼	3¾ x 5¼§	½	
	3	1¾	★ S-EPSP-63FVH	★ S-EPSP-63FVT	35	★ R-EPSP-63FVH	★ R-EPSP-63FVT	29	4500♣	8½	2½	6½ x 7½	3¾ x 5¾	½	
1¾		★ S-MD-63FVH	★ S-MD-63FVT	48	★ R-MD-63FVH	★ R-MD-63FVT	40	4500♣	10	2½	8½ x 8½	7 x 7	¾		
8	2½	1¾	★ S-CH-8VH	S-CH-8VT	34	★ R-CH-8VH	R-CH-8VT	28	2500	10½	2½	5¼ x 7¼	3¾ x 5¼§	½	
		1¾	★ S-CH-83FVH	S-CH-83VT	34	★ R-CH-83FVH	R-CH-83FVT	32	3100	10½	2½	5¼ x 7¼	3¾ x 5¼§	½	
	3	¾	★ S-EPSP-83FVH	S-EPSP-83FVT	36	★ R-EPSP-83FVH	R-EPSP-83FVT	30	3100♣	10½	2½	6½ x 7½	3¾ x 5¾	½	
		1¾	★ S-EPSP-84FVH	★ S-EPSP-84FVT	47	★ R-EPSP-84FVH	★ R-EPSP-84FVT	41	6500	10½	2½	6½ x 7½	3¾ x 5¾	½	
	4	1¾	★ S-MD-84FVH	★ S-MD-84FVT	70	★ R-MD-84FVH	★ R-MD-84FVT	56	6500♣	11	2½	8½ x 8½	7 x 7	¾	
10	3	1¾	★ S-CH-10VH	S-CH-10VT	54	★ R-CH-10VH	R-CH-10VT	48	3000	12½	2½	5¼ x 7¼	3¾ x 5¼§	½	
		¾	★ S-CH-13FVH	S-CH-13FVT	48	★ R-CH-13FVH	R-CH-13FVT	42	3600♣	12½	2½	5¼ x 7¼	3¾ x 5¼§	½	
		¾	★ S-EPSP-13FVH	S-EPSP-13FVT	41	★ R-EPSP-13FVH	R-EPSP-13FVT	35	3600♣	12½	2½	6½ x 7½	3¾ x 5¾	½	
	4	1¾	★ S-EPSP-104FVH	★ S-EPSP-104FVT	52	★ R-EPSP-104FVH	★ R-EPSP-104FVT	46	7500	12½	2½	6½ x 7½	3¾ x 5¾	½	
		1¾	★ S-MD-104FVH	★ S-MD-104FVT	78	★ R-MD-104FVH	★ R-MD-104FVT	64	7500♣	13	3	8½ x 8½	7 x 7	¾	

♣ Drop-forged steel. Tapered bearings increase capacity to 10,000 lbs. for 6" x 3", 4,000 lbs. for 8" x 3", 15,000 lbs. for 8" x 4", 4,500 lbs. for 10" x 3", and 16,000 lbs. for 10" x 4".

† Swivel caster top plate is 4" x 5"; Rigid is 4" x 4½".

§ Slotted to 4½" x 6½".

¶ Slotted to 5½" x 6¼".

**STAINLESS STEEL V-Grooved Casters**

*(For higher capacity Stainless V, see page 48)*

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs. Ⓞ	Overall Height B	Swivel Offset	Mounting Plate		
	Face K	Groove Width	Hamilton No.* Prec. SS Ball Brgs.	Hamilton No. Ⓞ Delrin Bearings	Wt. Lbs.	Hamilton No.* Prec. SS Ball Brgs.	Hamilton No. Ⓞ Delrin Bearings	Wt. Lbs.	Size C x D				Hole Centers E x F	Bolt Size	
3	1¾	¾	★ S-STL-3SVB	S-STL-3SVZ	3	★ R-STL-3SVB	R-STL-3SVZ	3	325	4½	1¾	2½ x 3½	1¼ x 2¾-3	¾	
4	1¾	¾	★ S-STL-4SVB	★ S-STL-4SVZ	4	★ R-STL-4SVB	★ R-STL-4SVZ	4	325	5½	1¾				
	5	2	¾	★ S-STA-4SVB	★ S-STA-4SVZ	9	★ R-STA-4SVB	★ R-STA-4SVZ	5	850	6	1¾	3¾ x 4½	2½ x 3½ slotted to 3 x 3	¾
6	2	¾	★ S-STA-5SVB	★ S-STA-5SVZ	10	★ R-STA-5SVB	★ R-STA-5SVZ	9	800	6½	1¾				
	2	¾	★ S-STA-6SVB	★ S-STA-6SVZ	11	★ R-STA-6SVB	★ R-STA-6SVZ	10	800	7½	2¼				
8	2	¾	★ S-STA-8SVB	★ S-STA-8SVZ	12	★ R-STA-8SVB	★ R-STA-8SVZ	11	800	9½	2½				

Ⓞ Available with plain bore wheel: capacity: 4"—325 lbs.; 5", 6", & 8"—800 lbs. Drop final suffix letter "Z"—e.g., S-STL-4SVZ.

Ⓞ Capacities with Delrin bearings are slightly lower: 4"—325 lbs.; 5" & 6"—600 lbs.; 8"—700 lbs.

\* Precision Stainless Steel Ball Bearings.

**OPTIONAL ACCESSORIES** more help on page 18

- **Wheel Bearing Seals**
- **Keyways – and/or set screw(s).**
- **Special Hub Length** – hubs can be cut to provide shorter length, “filler” washers furnished to increase length.
- **Spanner Bushings** – select from pg. 90.
- **Precision Ball Bearings** – double-sealed or shielded, consult factory.

Running V-Grooved Wheels on inverted angle iron track is a popular and low-cost method of taking loads off the floor and creating production-line flow. A relief groove in the “V” assures proper weight distribution and makes wheel and track “self-cleaning”, while a partial flat-tread permits rolling the wheels directly on floors as well.

All cast iron and forged steel (♣) models are offered with plain bore or straight roller bearings while some models also offer precision tapered roller bearings for optimum capacity and performance. However, proper adjustment of tapered bearings precludes side-to-side wheel play. To avoid the necessity for perfectly parallel tracks, directional control can be achieved by using a single track on one side only, and running flat-tread wheels of matching height on the opposite side.

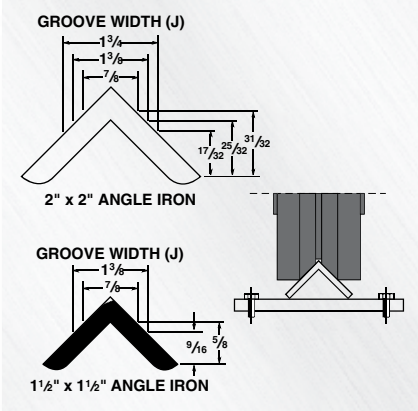
Stainless Steel and *Plastex V-Grooved Wheels* are also available and listed in the charts below.



#W-10-V-1



#W-6-V-3/4



★ = same day/next day **PRONTO®** shipment.

**W-V Series Selection Table**

Dia. A	Face K	Hub Length H	Hub Dia. M	Groove Width J	Load Cap. Lbs.	Less Bearings		Straight Roller Bearings		Tapered Roller Bearings		Wt. Lbs.
						Hamilton Model No.	Bore Sizes	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Sizes	
4	1½	1¾	1⅞	⅞	600	★W-4-VL-1¾	1¾	★W-4-V-	½-⅝-¾	X	X	3½
	2	2⅜	1⅞	⅞	800	★W-420-VL-1¾	1¾	★W-420-V-	½-⅝-¾	X	X	4
5	2	2⅜	1¾	⅞	800	★W-520-VL-1¾	1¾	★W-520-V-	½-⅝-¾	X	X	5½
	2	2¼	1⅞	⅞	1000	★W-6-VL-	1⅞-1⅞	★W-6-V-	½-⅝-¾-1	X	X	7
6	2¾	3¼	3¼	⅞	2500	★W-626-VL-	1⅞-2⅞	★W-626-V-	1-1¼	W-626-VT-	¾-1-1¼	15
	3♣	3¼	3¾	1	4500♣	★W-630-FVL-	1⅞-2⅞	★W-630-FVH-	1-1¼-1½	★W-630-FVT-	¾-1-1¼	18
8	2¾	3¼	2⅝	1	2500	★W-8-VL-1⅞	1⅞	★W-8-V-	1-1¼	W-8-VT-	¾-1	16½
	3♣	3¼	3	⅞	3100♣	★W-830-FVL-	2⅞-2⅞	★W-830-FVH-	1-1¼-1½	W-830-FVT-	¾-1-1¼	20
	4♣	4¼	3⅞	1¾	6500♣	★W-840-FVL-2⅞	2⅞	★W-840-FVH-	1¼-1½	★W-840-FVT-	1¼-1½	31
10	3	3¼	3½	1	3000	★W-10-VL-	1⅞-2⅞	★W-10-V-	1-1¼-1½	W-10-VT-	¾-1-1¼	38
	3♣	3¼	3	⅞	3600♣	★W-1030-FVL-	2⅞-2⅞	★W-1030-FVH-	1-1¼-1½	W-1030-FVT-	¾-1-1¼	28
	4♣	4¼	3⅞	1¾	7500♣	★W-1040-FVL-2⅞	2⅞	★W-1040-FVH-	1¼-1½	★W-1040-FVT-	1¼-1½	39

♣ Drop-forged steel. Tapered bearings increase capacity to 10,000 lbs. for 6" x 3", 4,000 lbs. for 8" x 3", 15,000 lbs. for 8" x 4", 4,500 lbs. for 10" x 3", and 16,000 lbs. for 10" x 4".

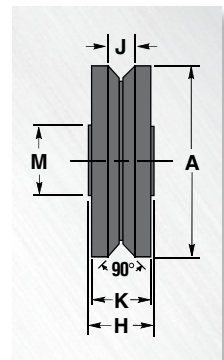
**PLASTEX V-Grooved Wheels**

4	1½	1	2	⅞	380	★W-415-PVL-1¾	1¾	★W-415-PV-¾	¾	X	X	¾
	2	2⅜	2⅞	⅞	750	★W-620-PVL-1¾	1¾	★W-620-PV-¾	¾	X	X	2¼
6	2½	3¼	2¾	1¼	1120	★W-625-PVL-1⅞	1⅞	★W-625-PV-1	1	X	X	4
	2½	3¼	3½	1¼	1250	★W-825-PVL-1⅞	1⅞	★W-825-PV-1	1	X	X	6

**STAINLESS STEEL V-Grooved wheels**

Dia. A	Face K	Hub Dia. M	Groove Width J	Plain Bore			Delrin Bearings			Stainless Steel Precision Ball Bearings				Wt. Lbs.		
				Hamilton Model No.	Bore Size	Hub Length H	Load Cap. Lbs.	Hamilton Model No.	Brg. Size	Hub Length H	Load Cap. Lbs.	Hamilton Model No.	Brg. Size		Hub Length H*	Load Cap. Lbs.
3	1½	X	⅝	W-313-SV-½	½	1	450	W-313-SVZ-½	½	1⅞	450	★W-313-SVB-½	½	1	450	3
4	1½	X	⅝	★W-413-SV-½	½	1	550	★W-413-SVZ-½	½	1⅞	600	★W-413-SVB-½	½	1	600	5
	2	2	⅞	★W-420-SV-¾	¾	2¼	800	★W-420-SVZ-¾	¾	2¼	850	★W-420-SVB-¾	¾	2½	850	7
5	2	2	⅞	★W-520-SV-¾	¾	2¼	900	★W-520-SVZ-¾	¾	2¼	950	★W-520-SVB-¾	¾	2½	950	10
6	2	2	⅞	★W-620-SV-¾	¾	2¼	950	★W-620-SVZ-¾	¾	2¼	1000	★W-620-SVB-¾	¾	2½	1200	15
8	2	2	⅞	★W-820-SV-¾	¾	2¼	1100	★W-820-SVZ-¾	¾	2¼	1000	★W-820-SVB-¾	¾	2½	1500	27

\* Hub length includes flange dimension of top hat bushings.



To order, add bore or bearing size to Hamilton number. Example: W-10-V-1

**Flanged Wheel Casters**



#R-CH-FT82SDH

Hamilton Flanged Wheel Casters, like their V-Grooved counterparts, are also finding increasing industrial applications where floor protection, production-line flow and ease of movement are desired.

Since it is often more convenient to purchase flanged wheels in a plate-type rigid caster ready for mounting, you may choose from the wide selection of popular top plates, overall heights and caster series shown in the chart below.

Note the choice of straight or precision tapered roller bearings in the wheels, all having pressure lubrication fittings in the hubs (except 3½" model). For complete wheel specifications, see flanged wheel chart on facing page.

Hamilton can design and manufacture flanged wheel casters requiring custom specifications, including higher capacities.

**OPTIONAL ACCESSORIES** *more help on page 12*

- Cast iron wheels can be cast of *Steeltest* ductile iron (class 80-60-03) for increased shock resistance and capacity.
- Wheel Brakes.
- Wheel Bearing Seals.
- Special Overall Height.
- Swivel Caster Mounting.



#R-CH-FT62H

*EHD Models still available, simply change "CH" to "EHD".*



★ = same day/next day PRONTO® shipment.

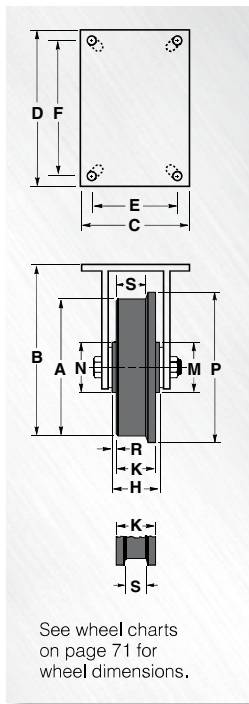
**R-FT Series Selection Table**

Dia. A	Wheel		Hamilton No. Straight Roller Brgs.	Hamilton No. Tapered Bearings	Wt. Lbs.	Load Cap. Lbs.	Overall Height B	Mounting Plate		
	Face S	Wheel Number ☐						Size C x D	Hole Centers E x F	Bolt Size
3½	1⅞	WFT-35H-¾★	★R-WH-FT35H	R-WH-FT35T	8	500	5⅝	4 x 4½	2⅞ x 3⅝●	⅝
	1⅞	WFT-35H-¾★	★R-HS-FT35H	R-HS-FT35T	9	500	5⅝	4½ x 6½	2⅞ x 4⅝○	½
4½	1⅞	WFT-45H-1◆	★R-CH-FT45H	R-CH-FT45T	26	3000	7¼	5¼ x 7¼	4⅞ x 6⅞○	½
	1⅞	WFT-51H-¾	★R-WH-FT51H	R-WH-FT51T	17	1000	6⅞	4 x 4½	2⅞ x 3⅝●	⅝
4½	1⅞	WFT-51H-¾	★R-HS-FT51H	R-HS-FT51T	17	1000	6⅞	4½ x 6½	2⅞ x 4⅝○	½
	2⅞	WFT-5FH-1♣	★R-EHD-FT5FH	R-EHD-FT5FT	32	4200♣	8	5½ x 7½	4⅞ x 6⅞	
5	2⅞	WFT-5FT-1♣	X	★R-EPSP-FT5FT	32	6000	8	6½ x 7½	3⅞ x 5¼⊗	½
	1⅞	WFT-6H-1	★R-CH-FT6H	R-CH-FT6T	32	2000	8⅞	5¼ x 7¼	3⅞ x 5¼ slotted to 4⅞ x 6⅞	
6⅞	1⅞	WFT-61H-1◆	R-CH-FT61H	R-CH-FT61T	33	2500	8⅞			
	7⅞	1⅞	WFT-8H-1	R-CH-FT8H	R-CH-FT8T	34	2500			8⅞
2¼		WFT-8SDH-1◆	R-CH-FT8SDH	R-CH-FT8SDT	34	3000	8⅞			
8	2¼	WFT-82H-1	★R-CH-FT82H	R-CH-FT82T	38	3000	10½	6½ x 7½	3⅞ x 5¼⊗	
	2¼	WFT-9H-1	R-CH-FT9H	R-CH-FT9T	35	2000	10⅝			
10	2½	WFT-10T-1¼	X	R-EPSP-FT10T	60	4000	12½	8⅞ x 8⅞	7 x 7	
	2½	WFT-10H-1½	R-MD-FT10H	R-MD-FT10T	75	4000	13			
14	2⅞	WFT-14H-1½	R-MD-FT14H	R-MD-FT14T	72	3000	16½	137	7500	⅝
147/8	2⅞	WFT-15-2H-1½◆	R-MD-FT15H	R-MD-FT15T	137	7500	16⅞			

**Double Flanged Wheel Caster Selection Table**

5	1⅞	WFT-53FH-1♣	★R-EHD-FT53FH	R-EHD-FT53FT	33	4200♣	8	5½ x 7½	4⅞ x 6⅞	½
		WFT-53FT-1♣	X	R-EPSP-FT53FT	33	6000♣	8	6½ x 7½	3⅞ x 5¼⊗	
6	2⅞	WFT-62H-1	★R-CH-FT62H	R-CH-FT62T	34	2500	8	5¼ x 7¼	3⅞ x 5¼ slotted to 4⅞ x 6⅞	
9	1¼	WFT-91H-1	R-CH-FT91H	R-CH-FT91T	32	1500	11			
9¼	1½	WFT-92H-1	★R-CH-FT92H	R-CH-FT92T	36	2500	11½			

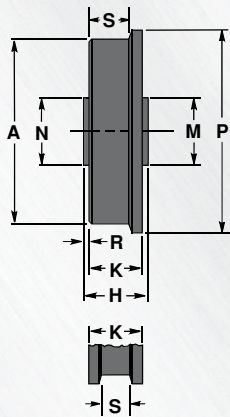
☐ With straight roller bearings. For catalog number of corresponding tapered bearing wheels, consult factory.  
 ♣ Drop-forged steel. Roller bearing capacity shown increases to 6,000 lbs. when equipped with tapered roller bearings.  
 \* This wheel lubricated through lube axle.  
 ◆ Steeltest ductile iron.  
 ○ Slotted to 3⅞" x 5¼".  
 ● Slotted to 3" x 3".  
 ⊗ Slotted to 5⅞" x 6¼".



## Flanged Track Wheels

### OPTIONAL ACCESSORIES *more help on page 12*

- **Heat Treating**  
–reduces wear in power-towed applications
- **Cast iron wheels can be cast of *Steeltest* ductile iron (class 80-60-03)** for increased shock resistance and capacity.
- **Keyways** – with or without set screws for locking wheels on shaft.
- **Special Hub Length**– hubs can be cut to provide shorter length, “filler” washers furnished for greater length.
- **Precision Ball Bearings.**



Hamilton offers the most comprehensive line of industrial flanged track wheels available. Many industries are discovering that flanged wheels running on in-plant tracks give them an “instant production line.” Loads are taken off the floor permitting higher capacities, easier rolling, floor protection and controlled flow all at the same time.

Most wheels are cast iron except as noted, and furnished with either plain bore, straight roller bearings, or precision tapered roller bearings. All wheels are standard with face and flange CNC-machine finished, except WFT-82 which has a hardened “as cast” tread.

Heat treating is available for applications requiring better wear resistance, or involving higher capacities.

Hamilton can custom design and manufacture flanged wheels in most sizes from ductile iron, steel, bronze, stainless steel, or other metals in English or metric dimensions.



#WFT-8H-1



#WFT-92H-1

★ = same day/next day **PRONTO®** shipment.

### WFT Series Selection Table

Excluding Flanges		Including Flanges		Hub				Load Cap. Lbs.	Plain Bore			Straight Roller Bearings		Tapered Roller Bearings		Wt. Lbs.	
Dia. A	Face S	Dia. P	Face K	Lgth. H	Diameter M	Dim. N	Dim. R		Cored Hole	Hamilton Model No.	Min. Bore	Max. Bore	Hamilton Model No.	Bearing Sizes	Hamilton Model No.		Bearing Sizes
3 1/2	1 1/8	4 1/8	1 1/8	2 1/4	X	2 1/8	3/8	Solid	500	WFT-35L-	1/2	2 3/8	★ WFT-35H-	3/4-1-1/4	WFT-35T-	3/4-1	5
4 1/2	1 1/8	5 1/2	2 1/2	3/4	3	3 3/4	3/8	Solid	3000	WFT-45L-	1 1/8	2 7/8	★ WFT-45H-	1-1 1/4-1 1/2	WFT-45T-	3/4-1-1 1/4	13
4 15/16	1 7/8	5 11/16	2 1/8	2 1/4	3	3	0	Solid	1000	WFT-51L-	1	2 1/4	★ WFT-51H-	3/4-1-1 1/4	WFT-51T-	3/4-1	12
5	2 1/8	6	2 1/8	3/4	3 3/8	3 3/8	7/16	1 1/8	4200	WFT-5FL-	1 3/4	2 7/8	★ WFT-5FH-	1-1 1/4-1 1/2	★ WFT-5FT-	3/4-1-1 1/4	18
6 1/8	1 1/8	7	2 3/8	2 3/4	3	3	1/4	Solid	2000	WFT-6L-	1	2 3/8	★ WFT-6H-	3/4-1-1 1/4	WFT-6T-	3/4-1	18
6 1/8	1 1/8	8	2 3/8	2 3/4	2 3/4	2 3/8	1/4	1 1/2	2500	WFT-61L-	1 1/8	2 3/8	WFT-61H-	1-1 1/4	WFT-61T-	3/4-1	20
7 7/8	1 3/4	8 3/8	2 1/4	2 1/2	2 7/8	2 7/8	0	Solid	2500	WFT-8L-	1	2 1/4	WFT-8H-	3/4-1-1 1/4	WFT-8T-	3/4-1-1 1/4	20
7 7/8	1 3/4	8 3/8	2 7/32	2 1/2	2 7/8	2 7/8	0	Solid	3000	WFT-8SDL-	3/4	2 3/8	WFT-8SDH-	1-1 1/4	WFT-8SDT-	3/4-1-1 1/4	20
	2 1/4	9 1/4	2 3/4	3 1/4	3 3/4	3 3/4	1/4	Solid	3500	WFT-82SDL-	1	3	WFT-82SDH-	1-1 1/4-1 1/2	WFT-82SDT-	3/4-1-1 1/4	25
8	2 1/4	9 1/2	3	3 1/4	3 3/4	3 3/4	1/8	Solid	3000	WFT-82L-	3/4	3	★ WFT-82H-	1-1 1/4-1 1/2	WFT-82T-	3/4-1-1 1/4	24 1/2
8 7/8	2 1/4	10 1/2	2 3/8	2 1/4	2 1/2	2 1/2	-3/32	7/8	2000	WFT-9L-	1	1 1/8	WFT-9H-	3/4-1-1 1/4	WFT-9T-	3/4-1	21 1/2
10	2 1/2	12	3 3/16	3 1/4	3 3/4	3 3/4	1/8	Solid	4000	WFT-10L-	1 1/8	3	WFT-10H-	1-1 1/4-1 1/2	WFT-10T-	1-1 1/4	45
10	4	12	5	5	X	X	0	Solid	18,000	WFT-10SDL-	2 1/8	6	X	X	WFT-10SDT-	advise	105
14	2 3/4	15 3/8	3 3/8	3 1/2	3 3/8	3 3/8	1/4	1 1/4	3000	WFT-14L-	1 1/8	2 1/2	WFT-14H-	1-1 1/4	WFT-14T-1 1/4	1 1/4	48
14 7/8	2 3/8	16 3/8	3 3/8	4 1/4	6	6	1/2	Solid	7500	WFT-15L-	1 1/8	5	WFT-15H-	1 1/4-1 1/2-1 3/4-2	WFT-15T-	1-1 1/4-1 1/2-1 3/4	85

### Double Flanged Wheel Selection Table

5	1 1/8	6	3	3 1/4	3 3/8	3 3/8	1/8	1 1/8	4200	WFT-53FL-	1 3/4	2 7/8	★ WFT-53FH-	1-1 1/4-1 1/2	WFT-53FT-	3/4-1-1 1/4	19
6	2 1/8	7 3/8	3	3 1/4	3	3	1/8	Solid	2500	WFT-62L-	1	2 1/2	★ WFT-62H-	3/4-1-1 1/4	WFT-62T-	3/4-1-1 1/4	21 1/2
9	1 1/4	10	1 3/8	2	2 1/2	2 1/2	1/32	1 1/4	1500	WFT-91L-	1 1/8	1 3/8	WFT-91H-	3/4-1	WFT-91T-	3/4-1	19 1/4
9 1/4	1 1/2	10 1/8	2 1/2	3 1/4	2 3/4	2 3/4	3/8	1 1/4	2500	WFT-92L-	1 1/8	2 1/4	★ WFT-92H-	1-1 1/4	WFT-92T-	3/4-1-1 1/4	24
10	3	12	5	5	X	X	0	Solid	18,000	WFT-102SDL-	2 1/8	6	X	X	WFT-102SDT-	advise	120

- ♣ Drop-forged steel. Roller bearing capacity shown increases to 6,000 lbs. when equipped with tapered roller bearings.
- Standard with hardened tread (face and flange not machinable). Tread is also tapered.
- These wheels are spoke-type; others are solid-web.
- These wheels do not have a lube fitting.
- *Steeltest* ductile iron.

**Forged Steel Wheels**



Forging technology produces the ultimate tensile strength in industrial wheels. Coupled with solid billet design, this makes Hamilton Forged Steel Wheels virtually indestructible. Consequently, load limits are governed by bearing capacity.

Wheel treads are machined smooth and concentric, with a slight crown that lessens energy requirements by aiding turnability under heavy loads. All sizes above 5" x 2" are available with precision tapered roller bearings in order to realize maximum benefits from the capacity potentials. All wheels listed below come with a new clearcoat finish, and all wheels 5" and above have ball-check lubrication fittings installed in the hubs.

Flanged and V-Grooved wheels of forged steel are also available—see catalog pages 68-71.

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings:** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings:** best for most severe heavy duty and power-towed applications



**Straight Roller Bearing:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



The FS & SY Series are backed by Hamilton's Three Year Product Warranty. Refer to selection table for qualifying wheels.

To order, add bearing size to catalog number.  
Example: W-840-FST-1¼.

★ = same day/next day PRONTO® shipment.

**FS Series Selection Table**

3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Plain Bore			Straight Roller Bearings			Precision Ball Bearings			Tapered Roller Bearings			Wt. Lbs.
			Cap. Lbs.	Hamilton Model No.	Bore Size	Cap. Lbs.	Hamilton Model No.	Bearing Sizes	Cap. Lbs.	Hamilton Model No.	Brg. Size	Cap. Lbs.	Hamilton Model No.	Bearing Sizes	
4	1½	2¼	1400	★ W-415-FSL-1¾	1¾	1400	★ W-415-FS-	½-¾-¾	1400	W-415-FSB-½ <sup>3YR</sup>	½	X	X	X	5
5	2	2¼	2000	★ W-5-FSL-1¾	1¾	1500	★ W-5-FS-	½-¾-¾	2000	W-5-FSB-½ <sup>3YR</sup>	½	2000	W-5-FST-½ <sup>3YR</sup>	½	6
6	2	2¼	2500	★ W-6-FSL-1½	1½	2000	★ W-6-FS-	¾-¾-1	2500	★ W-6-FSB-½ <sup>3YR</sup>	½	2500	W-6-FST-½ <sup>3YR</sup>	½	7
	2½	¾	4500	★ W-625-FSL-1½	1½	3500	★ W-625-FSH-	1-1¼	3500	★ W-625-FSB-¾ <sup>3YR</sup>	¾	4500	W-625-FST- <sup>3YR</sup>	¾-1	10
8	3	¾	12,000	★ W-630-FSL-2¾	2¾	6000†	★ W-630-FSH-	1-1¼-1½	7000	★ W-630-FSB-¾ <sup>3YR</sup>	¾	12,000‡	★ W-630-FST- <sup>3YR</sup>	¾-1-1¼	20
	3	¾	14,000	★ W-830-FSL-2¾	2¾	6000†	★ W-830-FSH-	1-1¼-1½	7000	★ W-830-FSB-¾ <sup>3YR</sup>	¾	14,000‡	★ W-830-FST- <sup>3YR</sup>	¾-1-1¼	27
10	4	¾	17,000	W-840-FSL-2¾	2¾	6500‡	W-840-FSH-	1¼-1½	X	X	X	17,000	★ W-840-FST- <sup>3YR</sup>	1¼-1½	35
	3	¾	6500	★ W-1030-FSL-2¾	2¾	6000†	★ W-1030-FSH-	1-1¼-1½	6500	★ W-1030-FSB-¾ <sup>3YR</sup>	¾	6500‡	★ W-1030-FST- <sup>3YR</sup>	¾-1-1¼	27
12*	4	¾	18,000	W-1040-FSL-2¾	2¾	7500‡	W-1040-FSH-	1¼-1½	X	X	X	18,000	★ W-1040-FST- <sup>3YR</sup>	1¼-1½	44
	4	¾	23,000	W-1240-FSL-2¾	2¾	7500‡	W-1240-FSH-	1¼-1½	X	X	X	23,000‡	W-1240-FST- <sup>3YR</sup>	1¼-1½	130

† Based on 1400 hours of bearing life at 1 m.p.h., or 610 hours of life at 2 m.p.h. using largest bearing size. Bearing capacities depend upon the interrelationships of load, speed and life—e.g., load can be increased 50% if designing for only 500 hours of life at 2 m.p.h.; or load can be increased approximately 1000 lbs. by reducing speed to 1 m.p.h. Other rules of thumb: reducing load by one half increases life by ten times; reducing speed by one half doubles the life.  
‡ Based on largest bearing size and 2500 hours of life at 2 m.p.h.  
\* This wheel is of 1045 steel.

**Superlast® Wheels**



For the extra tough jobs requiring protective polyurethane treads, Hamilton manufactures these top-of-the-line Superlast® Wheels. The extra-thick (1") blue treads (hardness of 90-95 Shore A) are liquid cast and chemically bonded to solid-web, drop forged steel centers. Precision tapered roller bearings

are standard, making these high capacity wheels ideal for power towing at limited speeds. Ball-check lubrication fittings are provided in the hubs.

For casters utilizing these wheels, see pages 22, 23, and 24.



To order, add bearing size to catalog number.  
Example: W-1040-SYT-1¼.

★ = same day/next day PRONTO® shipment.

**SY Series Selection Table**

3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Plain Bore		Straight Roller Bearings		Tapered Roller Bearings		Wt. Lbs.	
			Cap. Lbs.	Hamilton Model No.	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Sizes		
8	3	¾	3500	★ W-830-SYL-2¾	2¾	★ W-830-SYH-	1-1¼-1½	★ W-830-SYT- <sup>3YR</sup>	¾-1-1¼	26
10	4	¾	5000	★ W-1040-SYL-2¾	2¾	★ W-1040-SYH-	1¼-1½	★ W-1040-SYT- <sup>3YR</sup>	1¼-1½	45
12	4	¾	6000	★ W-1240-SYL-2¾	2¾	★ W-1240-SYH-	1¼-1½	★ W-1240-SYT- <sup>3YR</sup>	1¼-1½	60

## Nylast™ Wheels

Hamilton introduces the new Nylast™ Wheel made from solid cast high performance nylon. Nylast™ is of cast nylon, and has superior impact strength and resilience compared to conventional injection-molded nylon wheels. The Hamilton Nylast™ material is also specially formulated with finely divided particles of molybdenum disulphide (MoS<sub>2</sub>) to enhance its load bearing capability while maintaining the impact resistance inherent to nylon.

Other key properties of Nylast™ include resistance to moisture and chemicals plus floor protection resulting in a wheel well-suited for corrosive environments or applications where sanitary conditions are important. The face, sides, and bore of all Nylast™ Wheels are CNC-machined to tight tolerances to ensure a consistent, quality product.

The chart at right offers our most popular sizes, but the new Nylast™ Wheel can also be cast & CNC-machined to sizes ranging from diameters: 2-1/2–18" and widths: 1–5". Consult the factory for pricing and availability.

### PHYSICAL PROPERTIES

- **Composition** – High performance black MoS<sub>2</sub> cast nylon.
- **Hardness** – 85 Shore D.
- **Tensile Strength** – 11,000 psi.
- **Compressive Strength** – (10% deformation) 14,000 psi.
- **Temperature Range** – -30° to + 220°F continuous, melting point: 420° F.



★ = same day/next day PRONTO® shipment.

### NY Series Selection Table

Dia.	Face	Hub Lgth.	Cap. Lbs.	Precision Ball Bearings		Stainless Stl. Prec. B. Bearings		Wt. Lbs.
				Hamilton Model No.	Bearing Size	Hamilton Model No.	Bearing Size	
4	2	2 1/4	2000	★ W-420-NYB-1/2	1/2	★ W-420-NYBS-1/2	1/2	4
				★ W-620-NYB-1/2	1/2	★ W-620-NYBS-1/2	1/2	6
6	2	2 1/4	2300	★ W-630-NYB-	3/4-1-1/4	X	X	8
				★ W-820-NYB-1/2	1/2	★ W-820-NYBS-1/2	1/2	8
8	2	2 1/4	2500	★ W-830-NYB-	3/4-1-1/4	X	X	9

◆ Based on largest bearing size.



## Press-On Tired Wheels

### OPTIONAL EXTRAS

- **Special Treads** – Non-Skid tread (slots in tread as shown at right) is available on rubber-tired wheels. Most polyurethane tires are available with a grooved tread.



Extra-thick, extra-wide rubber or urethane tread wheels are available in a variety of popular sizes for use on industrial trailers and wagons in the 5-ton class and up. The solid tires are chemically bonded to replaceable steel rims, which are "pressed on" to a heavy-duty cast iron center. Both rubber and polyurethane wheels feature a smooth tread design and sealed tapered roller bearings are standard.



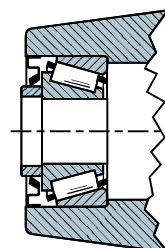
### POR/POY Series Selection Table

Dia.	Face	Rim Dia.	Capacity (6 mph)		Capacity (10 mph)		Tapered Roller Bearings			Wt. Lbs.
			Rubber	Poly	Rubber	Poly	Hub Length	Hamilton Model No.♦	Bearing Sizes	
15	5	11 1/4	2850	4380	2540	3880	5 1/2	W-POR-1550-	1 1/4-1 1/2	103
			3530	5440	3150	4800	6 1/2	W-POR-1560-	1 1/4-1 1/2	108
			4210	6480	3770	5730	6 1/2	W-POR-1570-	1 1/4-1 1/2	114
			4890	7530	4380	6650	8 1/2	W-POR-1580-	1 3/4-2	198
			5370	8700	4750	7700	8 1/2	W-POR-1590-	1 3/4-2	200
16 1/4	6	7	3120	4800	2760	4250	5 1/2	W-POR-1650-	1 1/4-1 1/2	107
			3900	6050	3470	5360	6 1/2	W-POR-1660-	1 1/4-1 1/2	114
			4740	7300	4190	6450	6 1/2	W-POR-1670-	1 1/4-1 1/2	122
18	6	12 1/2	3360	5770	2980	4590	5 1/2	W-POR-1850-	1 1/4-1 1/2	145
			4290	6610	3800	5850	6 1/2	W-POR-1860-	1 1/4-1 1/2	153
			5220	8040	4620	7110	6 1/2	W-POR-1870-	1 1/4-1 1/2	162
			6150	9470	5450	8380	8 1/2	W-POR-1880-	1 3/4-2	225
			7080	10900	6280	9660	8 1/2	W-POR-1890-	1 3/4-2	234
20	7	16	3100	5480	2750	4850	5 1/2	W-POR-2050-	1 3/4-2	211
			4440	6840	3920	6040	6 1/2	W-POR-2060-	1 3/4-2	217
			5290	8160	4680	7210	6 1/2	W-POR-2070-	1 3/4-2	225
			6170	9500	5440	8410	8 1/2	W-POR-2080-	1 3/4-2	328
			6575	10800	5820	9560	9 1/2	W-POR-2090-	1 3/4-2	335
22	8	10	6080	9360	5380	8290	6 1/2	W-POR-2270-	1 3/4-2	239
			7170	11040	6340	9760	8 1/2	W-POR-2280-	1 3/4-2	342
			9325	14400	8260	12740	9 1/2	W-POR-2210-	1 3/4-2	367

Tire Only Hamilton Model No.♦	Wt. Lbs.
T-1550-POR	27
T-1560-POR	32
T-1570-POR	38
T-1580-POR	45
T-1590-POR	47
T-1650-POR	31
T-1660-POR	38
T-1670-POR	46
T-1850-POR	37
T-1860-POR	45
T-1870-POR	54
T-1880-POR	60
T-1890-POR	69
T-2050-POR	41
T-2060-POR	47
T-2070-POR	55
T-2080-POR	63
T-2090-POR	70
T-2270-POR	69
T-2280-POR	77
T-2210-POR	102

Additional non-stock sizes are available, consult factory.

To order, add bearing size to Hamilton number.  
**Example: W-POR-1890-2**  
 (For polyurethane tread change "POR" to "POY")



Sealed bearing configuration

♦ Does not include spacers/thrust washers which add approximately 1/4" to hub length.  
 ♦ Catalog number shown is for rubber tread; to order polyurethane change "POR" to "POY".

**Duralast® XC/Superlast® XC Wheels**



#W-620-DB70-1/2  
Duralast® XC

Are you looking for improved rollability and extra capacity in a resilient tread wheel? If so, Hamilton's 70-Durometer polyurethane (Shore D) wheels will deliver. Because the polyurethane is harder than standard 95A poly, these wheels roll more easily and carry up to 30% more capacity- thus the suffix **XC**, as in **eXtra Capacity!** In addition, they effectively repel foreign objects and debris. Hamilton furnishes this new poly in two wheel configurations: 1/2" thick tread chemically bonded to cast iron centers (*Duralast® XC*) and 1" thick tread chemically bonded to forged steel centers (*Superlast® XC*).

*Duralast® XC* wheels (bottom chart) have precision ball bearings in all sizes from 4" x 2" to 12" x 3". In towing applications, Hamilton recommends precision tapered bearings which are available in all 3" wide models. These wheels can also be mounted in Hamilton's forged steel casters, including the popular *Workhorse*, *Heavy Service*, *Champion* and kingpinless *Endurance* series.

*Superlast® XC* models (top chart) are offered in sizes from 8" x 3" to 12" x 4" and all models are equipped with precision tapered roller bearings. These are among the highest capacity polyurethane wheels on the market today. They are well suited for towing applications and can be used in many Hamilton forged steel caster series including *Maxi-Duty*, *Precision Super Duty*, and kingpinless *Super Endurance* casters.

**PHYSICAL PROPERTIES**

- **Composition** – high grade liquid cast polyurethane.
- **Hardness** – 70 Durometer (Shore D).
- **Bashore Rebound** – 40%.
- **10% Compression** – 2600 psi.
- **Elongation at Break** – 250%.
- **Tensile Strength** – 7000 psi.
- **Tear Strength** – Split Tear 130 lb./in., Die C Tear 800 lb./in.
- **Temperature Range** – -50° to 180° F.

For help selecting the best polyurethane tread type for your application, see the *Wheel Performance Characteristics* chart on pages 18 & 19.



#W-1040-SYT70-1 1/4  
Superlast® XC

**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings:** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings:** best for most severe heavy duty and power-towed applications

**OPTIONAL EXTRAS** (more help on page 12)

- **Tapered Roller Bearing Seals.**
- **Available Plain Bore or with roller bearings.**
- **Special Hub Length** – hubs can be cut to provide shorter length, spacer washers furnished to increase length.
- **Keyways, and/or set screws** – for locking wheels on shaft (plain bore).
- **Other sizes are available on special order** – Consult factory.

To order, add bearing size to Hamilton number.  
Example: W-620-DB70-1/2.

**Superlast® XC Selection Table**

3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Cap. Lbs.	Tapered Roller Bearings		Wt. Lbs.
				Hamilton Model No.	Brg. Size	
8	3	3/4	4400	W-830-SYT70-3YR	3/4-1-1/4	26
10	4	4 1/4	6500	W-1040-SYT70-3YR	1 1/4-1 1/2	45
12	4	4 1/4	7800	W-1240-SYT70-3YR	1 1/4-1 1/2	60

**THREE YEAR WARRANTY**



The *Duralast XC* (D70) and *Superlast XC* (SY70) Series are backed by Hamilton's Three Year Product Warranty.

**Duralast® XC Selection Table**

3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Cap. Lbs.	Precision Ball Bearings		Tapered Roller Bearings		Hub Outside Dia.	Wt. Lbs.
				Hamilton Model No.	Brg. Size*	Hamilton Model No.	Brg. Size		
4	2	2 1/4	975	★ W-420-DB70-1/2 3YR	1/2	X	X	1 1/8	4
5	2	2 1/4	1360	★ W-520-DB70-1/2 3YR	1/2	W-520-DT70-3/4 3YR	3/4	2 1/4	4 1/2
6	2	2 1/4	1560	★ W-620-DB70-3/4 3YR	1/2-3/4	W-620-DT70-3/4 3YR	3/4	2 1/4	5 1/4
	3	3 1/4	2860	★ W-630-DB70-3/4 3YR	3/4	W-630-DT70-3/4 3YR	3/4-1-1/4	2 3/4	12
8	2	2 1/4	1950	★ W-820-DB70-3/4 3YR	1/2-3/4	W-820-DT70-3/4 3YR	3/4	2 3/8	8 3/4
	3	3 1/4	3250	★ W-830-DB70-3/4 3YR	3/4	W-830-DT70-3/4 3YR	3/4-1-1/4	2 3/4	16 3/4
10	3	3 1/4	3900	★ W-1030-DB70-3/4 3YR	3/4	W-1030-DT70-3/4 3YR	3/4-1-1/4	3	20 1/2
12	3	3 1/4	4550	W-1230-DB70-3/4 3YR	3/4	W-1230-DT70-3/4 3YR	3/4-1-1/4	3 1/2	38

♣ Precision Ball Bearings include top hat spanners that add 1/4" to the published hub length.  
\* The bearing size represents the inside diameter of the top hat bushing (included).



### OPTIONAL EXTRAS (more help on page 12)

- **Wheel Bearing Seals.**
- **Keyways, and/or set screws**  
– for locking wheels on shaft (plain bore).
- **Special Hub Length**  
– hubs can be cut to provide shorter length, spacer washers furnished to increase length.
- **Spanner Bushings**  
– select from page 90.
- **Extra hard (70D) urethanes available for higher capacities**  
– Consult factory.

### PHYSICAL PROPERTIES

- **Composition**  
– high grade liquid cast polyurethane.
- **Hardness** – 90-95 Durometer (Shore A).
- **Bashore Rebound** – 29%.
- **Elongation at Break** – 430%.
- **Tensile Strength** – 7000-7400 psi.
- **Tear Strength** – 700 pli. (DIE C).
- **Abrasion Resistance**  
– 5-10 times ordinary rubber.
- **Temperature Range** – -50° to +200° F. intermittent; 0° to 180°F continuous. Not damaged by occasional steam cleaning.

Duralast® — the protective wheel that wears like steel — is liquid cast to a thickness of approximately 1/2" and chemically bonded onto heavy-duty iron wheel centers. The distinctive green treads are chemically inert, non-sparking, non-conductive, impervious to ozone, grease and most oil & solvents, and will not mark floors.

Duralast® Wheels are also guaranteed against tread separation for one year in ordinary free-wheeling applications (contact factory for excepted applications). They are available without bearings, with straight roller bearings, precision ball bearings, or with precision tapered bearings as listed below. All wheel sizes with straight and tapered roller bearings over 5" diameter include ball-check lubrication fittings in the hub. For even higher capacity applications or for corrosive conditions, see the Superlast® Wheels on page 72.

For help selecting the best polyurethane tread type for your application, see the Wheel Performance Characteristics chart on pages 18 & 19.



#W-620-DB-3/4



3YR = 3 Year Warranty applies

\* = same day/next day PRONTO® shipment.

### D Series Selection Table

Dia.	Face	Hub Length	Cap. Lbs.	Plain Bore		Straight Roller Bearings		Precision Ball Bearings		Tapered Roller Bearings		Hub Outside Dia.	Wt. Lbs.		
				Hamilton Model No.	Bore Sizes	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Sizes*	Hamilton Model No.	Bearing Sizes				
3 1/4	1 1/2	1 3/8	475	★W-315-DL-1 3/8*	1 3/8	★W-315-D	1/2-5/8-3/4	X	X	X	X	1 3/4	1 3/4		
	2	2 1/4	575	★W-320-DL-1 3/8*	1 3/8	★W-320-D	1/2-5/8-3/4	X	X	X	X	1 3/4	2 1/2		
4	1 1/2	1 3/4	675	★W-415-DL-1 3/8	1 3/8	★W-415-D	1/2-5/8-3/4	X	X	X	X	1 11/16	2 1/2		
	2	2 1/4	750	★W-420-DL-	1 3/8 or 1 7/8	★W-420-D	1/2-5/8-3/4-1	★W-420-DB-1/2	3YR	1/2	X	X	1 7/8	4	
5	1 1/2	1 3/4	700	★W-515-DL-1 3/8	1 3/8	★W-515-D	1/2-5/8-3/4	W-515-DB-1/2	3YR	1/2	X	X	2 1/4	3	
	2	2 1/4	1050	★W-520-DL-	1 3/8 or 1 7/8	★W-520-D	1/2-5/8-3/4-1	★W-520-DB-1/2	3YR	1/2	★W-520-DT-3/4	3YR	3/4	2 1/4	4 1/2
	2 1/2	2 3/4	1300	★W-525-DL-1 3/8	1 3/8	W-525-D	1-1 1/4	X	X	X	X	X	2 5/8	6	
6	1 1/2	1 3/4	850	★W-615-DL-1 3/8	1 3/8	★W-615-D	1/2-5/8-3/4	W-615-DB-1/2	3YR	1/2	W-615-DT-3/4	3YR	3/4	2 1/4	4 1/2
	2	2 1/4	1200	★W-620-DL-	1 3/8 or 1 7/8	★W-620-D	1/2-5/8-3/4-1	★W-620-DB-	3YR	1/2-3/4	★W-620-DT-3/4	3YR	3/4	2 1/4	5 3/4
	2 1/2	3 1/4	1600	★W-625-DL-1 3/8	1 3/8	★W-625-D	1-1 1/4	★W-625-DB-3/4	3YR	3/4	W-625-DT-	3YR	3/4-1-1 1/4	2 3/4	10 1/4
	3	3 3/4	2200	★W-630-DL-1 3/8	1 3/8	★W-630-D	1-1 1/4	★W-630-DB-	3YR	3/4-1	★W-630-DT-	3YR	3/4-1-1 1/4	2 3/4	12
7	2	2 1/4	1400	★W-720-DL-	1 3/8 or 1 7/8	W-720-D	5/8-3/4-1	W-720-DB-1/2	3YR	1/2	W-720-DT-3/4	3YR	3/4	2 1/4	7
	2	2 1/4	1500	★W-820-DL-	1 3/8 or 1 7/8	★W-820-D	1/2-5/8-3/4-1	★W-820-DB-	3YR	1/2-3/4	★W-820-DT-3/4	3YR	3/4	2 3/8	8 3/4
8	2 1/2	3 1/4	2000	★W-825-DL-1 3/8	1 3/8	★W-825-D	1-1 1/4	★W-825-DB-3/4	3YR	3/4	W-825-DT-	3YR	3/4-1-1 1/4	2 3/4	16
	3	3 3/4	2500	★W-830-DL-	1 3/8 or 2 3/8	★W-830-D	1-1 1/4	★W-830-DB-	3YR	3/4-1	★W-830-DT-	3YR	3/4-1-1 1/4	2 3/4	16 3/4
	4	4 1/4	3200	★W-840-DL-1 3/8	1 3/8	W-840-D	1-1 1/4	X	X	X	X	X	2 3/4	17	
10	2 1/2	3 3/4	2500	★W-1025-DL-1 3/8	1 3/8	★W-1025-D	1-1 1/4	★W-1025-DB-3/4	3YR	3/4	W-1025-DT-	3YR	3/4-1-1 1/4	3	15
	3	3 3/4	3000	★W-1030-DL-	1 3/8 or 2 3/8	★W-1030-D	1-1 1/4-1 1/2	★W-1030-DB-	3YR	3/4-1	★W-1030-DT-	3YR	3/4-1-1 1/4	3	20 1/2
	5	5 1/4	5000	★W-1050-DL-2 3/8	2 3/8	W-1050-D	1 1/4-1 1/2	X	X	W-1050-DT-1 1/4	3YR	1 1/4	3 3/4	45	
12	2 1/2	3 3/4	2800	★W-1225-DL-	1 3/8 or 2 3/8	W-1225-D	1-1 1/4-1 1/2	X	X	W-1225-DT-	3YR	3/4-1-1 1/4	3 1/2	33	
	3	3 3/4	3500	★W-1230-DL-	1 3/8 or 2 3/8	★W-1230-D	1-1 1/4-1 1/2	★W-1230-DB-	3YR	3/4-1	★W-1230-DT-	3YR	3/4-1-1 1/4	3 1/2	38
	4	4 1/4	4800	★W-1240-DL-	2 3/8 or 2 7/8	W-1240-D	1-1 1/4-1 1/2	X	X	★W-1240-DT-	3YR	1-1 1/4-1 1/2	3 3/8	43	
	5*†	5 1/4	6200	★W-1250-DL-2 3/8	2 3/8	W-1250-D	1 1/4-1 1/2	X	X	W-1250-DT-	3YR	1 1/4-1 1/2	4	54	
	5	5 1/4	6000	★W-1251-DL-2 3/8	2 3/8	W-1251-D	1 1/4-1 1/2	X	X	W-1251-DT-1 1/4	3YR	1 1/4	3 3/8	55	
14	5*†	5 1/4	5500	★W-1450-DL-2 3/8	2 3/8	W-1450-D	1 1/4-1 1/2	X	X	W-1450-DT-	3YR	1 1/4-1 1/2	4	64	
	3*	3 3/4	3750	★W-1630-DL-	2 3/8 or 2 7/8	W-1630-D	1-1 1/4-1 1/2	X	X	W-1630-DT-	3YR	1-1 1/4	3 1/4	32	
16	4	4 1/4	5500	★W-1640-DL-	2 3/8 or 2 7/8	W-1640-D	1-1 1/4-1 1/2	X	X	★W-1640-DT-1 1/4	3YR	1 1/4	3 5/8	60	
	5*†	5 1/4	7700	★W-1650-DL-	2 3/8-3 1/8-3 3/4	W-1650-D	1 1/2-1 3/4-2	X	X	W-1650-DT-	3YR	1 1/4-1 1/2	4 1/4	79	
	5*†	5 1/4	8400	★W-1850-DL-	2 3/8-3 1/8-3 3/4	W-1850-D	1 1/2-1 3/4-2	X	X	W-1850-DT-	3YR	1 1/4-1 1/2	4 1/4	89	
18	6	6 1/2	7500	W-1860-DL-3 1/8	3 1/8	W-1860-D	1 3/4	X	X	W-1860-DT-	3YR	1 1/4-1 1/2-2	5 1/2	140	
	5*†	5 1/4	9000	★W-2050-DL-	2 3/8-3 1/8-3 3/4	W-2050-D	1 1/2-1 3/4-2	X	X	W-2050-DT-	3YR	1 1/4-1 1/2	4 1/4	101	

\* Precision Ball Bearings include top hat spanners that add 1/4" to the published hub length.

\* The bearing size represents the inside diameter of the top hat spanners (included).

\* These wheels are spoke-type; all others are solid-web.

† Indicates 1" thick polyurethane tread.



Not all sizes have solid web center — see chart.

To order, add bore or bearing size to Hamilton number. Example: W-620-DB-1/2.

**Ultralast™ & Super Ultralast™ Wheels**



#W-820-TRB-1/2  
Ultralast™



#W-1040-STRT-1 1/4  
Super Ultralast™

Hamilton is proud to introduce the new *Ultralast™ Wheel*—representing the highest performing urethane we've ever offered. The new *Ultralast™ Wheel* possesses "off the chart" performance characteristics—specifically in the areas of thermal retention and rollability. Heat buildup in polyurethane, due to high loads or continuous duty applications, is the most common cause for material breakdown over the life of the wheel. *Ultralast™* polyurethane operates much cooler under load and at higher speeds compared to most other urethanes. The result is a simply superior dynamic performance and a longer service life. *Ultralast™* also represents the best rolling polyurethane wheel we've ever offered and by a wide margin. For example, the urethane's rebound test results, which can be a proxy for rollability, measures 110% higher than *Duralast®*, 60% higher than *PolySoft®* and 20% higher than *Vulkollan®*.

So the combination of *Ultralast™*'s very low thermal retention and extremely high rollability characteristics results in an ultra high performance wheel that's designed to outperform and outlast other polyurethanes in the marketplace.

Hamilton recommends *Ultralast™* wheels for continuous duty/power-towed, and higher speed applications on smooth surfaces.

The *Ultralast™ Wheel Series* is offered in two types: The standard *Ultralast™* wheel has 3/8" thick red tread chemically bonded to gray heavy duty cast iron center. The *Super Ultralast™* is the ultimate with 1" extra thick tread molded to a super heavy duty forged steel center. *Ultralast™* and *Super Ultralast™* wheels are available in Hamilton's forged steel casters including the popular Workhorse, Heavy Service, Extra Heavy Duty, Kingpinless Endurance Series, and many more.

The tables below offer our most popular sizes, yet the new *Ultralast™* polyurethane can be molded to Hamilton's other cast iron, forged steel, and/or aluminum centers in finished sizes ranging from 3/4" to 20" diameter. Consult factory for pricing and availability.

Note: Test data illustrates the *Ultralast™* wheel dynamics are equivalent to or superior to *Vulkollan®*.

*Vulkollan®* is a registered trademark of Bayer Material Science.

**PHYSICAL PROPERTIES**

- **Composition** – high performance liquid cast polyurethane.
- **Hardness** – 93-94 Durometer (Shore A).
- **Bashore Rebound** – 57%.
- **Elongation at Break** – 550%.
- **Tensile Strength** – 6500 psi.
- **Temperature Range** – -50° to +200° F, intermittent; 0° to 180° continuous.

For help selecting the best polyurethane tread type for your application, see the *Wheel Performance Characteristics chart* on pages 18 & 19.

**THREE YEAR WARRANTY**



The *Ultralast™ (TR)* and *Super Ultralast™ (STR)* Series are backed by Hamilton's Three Year Product Warranty.

To order, add bearing size to Hamilton number.  
Example: W-820-TRB-1/2.



**FEATURED WHEEL BEARINGS**



**Precision Ball Bearings:** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Tapered Roller Bearings:** best for most severe heavy duty and power-towed applications.

**Super Ultralast™ Selection Table**

3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Cap. Lbs.	Precision Ball Bearings		Tapered Roller Bearings		Wt. Lbs.
				Hamilton Model No.	Brg. Sizes	Hamilton Model No.	Brg. Sizes	
8	3	3/4	4200	W-830-STRB- <sup>3YR</sup>	3/4-1	W-830-STRT- <sup>3YR</sup>	3/4-1-1/4	26
10	4	4/4	6000	W-1040-STRB-1 <sup>3YR</sup>	1	W-1040-STRT- <sup>3YR</sup>	1 1/4-1 1/2	45
12	4	4/4	7200	W-1240-STRB-1 <sup>3YR</sup>	1	W-1240-STRT- <sup>3YR</sup>	1 1/4-1 1/2	60

★ = same day/next day PRONTO® shipment.

**Ultralast™ Selection Table**

3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Cap. Lbs.	Precision Ball Bearings		Tapered Roller Bearings		Hub Outside Dia.	Wt. Lbs.
				Hamilton Model No.	Brg. Size*	Hamilton Model No.	Brg. Size		
4	2	2/4	900	W-420-TRB- <sup>3YR</sup>	1/2	X	X	1 1/8	4
5	2	2/4	1250	W-520-TRB- <sup>3YR</sup>	1/2	W-520-TRT- <sup>3YR</sup>	3/4	2 1/4	5
6	2	2 1/4	1400	★ W-620-TRB- <sup>3YR</sup>	1/2-3/4	W-620-TRT- <sup>3YR</sup>	3/4	2 1/4	6
	3	3/4	2600	★ W-630-TRB- <sup>3YR</sup>	3/4	W-630-TRT- <sup>3YR</sup>	3/4-1-1/4	2 3/4	12
8	2	2 1/4	1800	★ W-820-TRB- <sup>3YR</sup>	1/2-3/4	W-820-TRT- <sup>3YR</sup>	3/4	2 3/8	9
	3	3/4	3000	★ W-830-TRB- <sup>3YR</sup>	3/4-1	W-830-TRT- <sup>3YR</sup>	3/4-1-1/4	2 3/4	17
10	3	3/4	3600	W-1030-TRB- <sup>3YR</sup>	3/4-1	W-1030-TRT- <sup>3YR</sup>	3/4-1-1/4	3	21
12	3	3/4	4200	W-1230-TRB- <sup>3YR</sup>	3/4-1	W-1230-TRT- <sup>3YR</sup>	3/4-1-1/4	3 1/2	38

♣ Precision Ball Bearings include top hat spanners that add 1/4" to the published hub length.  
\* The bearing size represents the inside diameter of the top hat bushing (included).

### PHYSICAL PROPERTIES

- **Composition**  
– high grade liquid cast polyurethane.
- **Hardness** – 82-85 Durometer (Shore A).
- **Bashore Rebound** – 38%.
- **Elongation at Break** – 570% or more.
- **Tensile Strength** – 6000-6200 psi.
- **Tear Strength** – 500 pli. min.
- **Abrasion Resistance**  
– 5-10 times ordinary rubber.
- **Temperature Range** – -50° to +175° F intermittent; 0° to 150°F continuous. Not damaged by occasional steam cleaning.

For help selecting the best polyurethane tread type for your application, see the Wheel Performance Characteristics chart on pages 18 & 19.

### OPTIONAL EXTRAS (more help on page 12)

- **Tapered Roller Bearing Seals.**
- **Keyways, and/or set screws**  
– for locking wheels on shaft (plain bore).
- **Special Hub Length**  
– hubs can be cut to provide shorter length, spacer washers furnished to increase length.

The *Poly-Soft*® is formulated for a quieter operation and greater resistance to foreign objects and debris (F.O.D.). As the name implies, *Poly-Soft*® wheel tread hardness measures 82-85D (Shore A scale) vs. the harder *Duralast*® 90-95D (Shore A).

The livelier material cushions the load thereby reducing vibration on the load resulting in a quieter ride and less wear and tear on the caster and cargo. In addition, the new urethane has been engineered to repel steel chips, nuts, bolts, pins, etc. and takes on "super ball"-type properties that offer an energized wheel. The newly formulated wheel has found popularity among automotive plants and those customers wanting to lower factory noise levels, and improve floor protection.

*Poly-Soft*® wheels are also available *PRONTO*® with precision ball bearings in most forged steel and cold forged casters.

The chart below offers our most popular sizes, but this soft poly tread can also be molded to Hamilton's other standard cast iron, forged steel, and/or aluminum centers in finished sizes ranging from 3¼" to 20" in diameter. Consult the factory for pricing and availability.



#W-620-SPB-1/2



To order, add bearing size to Hamilton number.  
Example: W-620-SPB-1/2.

### FEATURED WHEEL BEARINGS



**Precision Ball Bearings:** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Tapered Roller Bearings:** best for most severe heavy duty and power-towed applications.

★ = same day/next day **PRONTO**® shipment.

### SP Series Selection Table 3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Cap. Lbs.	Precision Ball Bearings		Tapered Roller Bearings		Hub Outside Dia.	Wt. Lbs.
				Hamilton Model No.	Bearing Size*	Hamilton Model No.	Bearing Size		
4	2	2¼	600	★W-420-SPB-½ <sup>3YR</sup>	½	X	X	1½	4
5	1½	1¾	560	W-515-SPB-½ <sup>3YR</sup>	½	X	X	2¼	3
	2	2¼	840	★W-520-SPB-½ <sup>3YR</sup>	½	W-520-SPT-¾ <sup>3YR</sup>	¾	2¼	4½
6	1½	1¾	680	W-615-SPB-½ <sup>3YR</sup>	½	W-615-SPT-¾ <sup>3YR</sup>	¾	2¼	4½
	2	2¼	960	★W-620-SPB-¾ <sup>3YR</sup>	½-¾	W-620-SPT-¾ <sup>3YR</sup>	¾	2¼	5¾
	2½	3¼	1300	W-625-SPB-¾ <sup>3YR</sup>	¾	W-625-SPT-¾ <sup>3YR</sup>	¾-1-1¼	2¾	10¼
	3	3¼	1800	★W-630-SPB-¾ <sup>3YR</sup>	¾	W-630-SPT-¾ <sup>3YR</sup>	¾-1-1¼	2¾	12
8	2	2¼	1200	★W-820-SPB-¾ <sup>3YR</sup>	½-¾	W-820-SPT-¾ <sup>3YR</sup>	¾	2¾	8¾
	2½	3¼	1600	W-825-SPB-¾ <sup>3YR</sup>	¾	W-825-SPT-¾ <sup>3YR</sup>	¾-1-1¼	2¾	16
	3	3¼	2000	★W-830-SPB-¾ <sup>3YR</sup>	¾	W-830-SPT-¾ <sup>3YR</sup>	¾-1-1¼	2¾	16¾
10	2½	3¼	2000	W-1025-SPB-¾ <sup>3YR</sup>	¾	W-1025-SPT-¾ <sup>3YR</sup>	¾-1-1¼	3	15
	3	3¼	2400	★W-1030-SPB-¾ <sup>3YR</sup>	¾	W-1030-SPT-¾ <sup>3YR</sup>	¾-1-1¼	3	20½
12	3	3¼	2800	★W-1230-SPB-¾ <sup>3YR</sup>	¾	W-1230-SPT-¾ <sup>3YR</sup>	¾-1-1¼	3½	38

♠ Precision Ball Bearings include top hat spanners that add ¼" to the published hub length.  
\* The bearing size represents the inside diameter of the top hat bushing (included).

### THREE YEAR WARRANTY



The *Poly-Soft*® Series (SP) is backed by Hamilton's Three Year Product Warranty.

**Extra Heavy Automotive Wheels**



#W-831-EHY-3/4

These extra heavy wheels are designed to meet demanding automotive industry specifications and applications. Rubber or polyurethane (1/2" or 1") is chemically bonded to a heavy duty cast iron solid web center forming an extremely durable wheel. Durometer hardness of 95A is standard on the polyurethane tread while the hardness of 70A is standard on the rubber tread. Sealed tapered roller bearings are standard.

To order, add bearing size to Hamilton number.  
Example: W-831-EHY-3/4.

**EHR/EHY Series Selection Table**

Dia.	Face	Type	Hub Length	Tread Thickness	Cap. Lbs.	Tapered Roller Bearings		Wt. Lbs.
						Hamilton Model No.	Bearing Sizes	
8	3	Polyurethane	3/4	1/2	2500	W-830-EHY-	3/4-1	19
		Polyurethane	3/4	1	3200	W-831-EHY-	3/4-1	20
		M.O. Rubber	3/4	1	840	W-830-EHR-	3/4-1	16
10	3	Polyurethane	3/4	1/2	3000	W-1030-EHY-	3/4-1	25
		Polyurethane	3/4	1	3700	W-1031-EHY-	3/4-1	27
		M.O. Rubber	3/4	1	1000	W-1030-EHR-	3/4-1	22
	4	Polyurethane	4/4	1	5000	W-1041-EHY-1 1/4	1 1/4	33

\* Thrust spacers add 1/4" to overall hub length.

**Polylast™ Wheels**



#W-822-AYB-1/2

Hamilton's Polylast™ Wheels, polyurethane on aluminum, come in two breeds. The 622 and 822 models are wheels made popular by automotive manufacturers across the country. The unique half-round or donut-type tread is combined with maintenance-free precision ball bearings to provide effortless rolling. A generous amount of polyurethane is bonded both mechanically and chemically to a large fin that extends from the center of the core providing excellent performance in the most demanding of applications. Engineers then specified a softer polyurethane with a durometer of 80 (Shore A) to ensure greater traction and to run quieter than traditional urethanes. The end result is a highly durable, easy-rolling, and quiet wheel that can last a lifetime with little or no maintenance required. This wheel design can be specified in additional durometers, colors, and sizes – consult factory. For casters equipped with these

wheels, see pages 42-53. The same wheel design is also available with a cast iron center and can accommodate a 3/4" tapered bearing – consult factory.

The 620 and 820 models represent our traditional poly on aluminum wheels and come standard with a tread hardness of 90-95A. Straight roller bearings are standard in these models and red treads complement their appearance. For additional polyurethane wheels, see pages 72-77.



#W-620-AY-3/4



The Polylast Series (AY) is backed by Hamilton's Three Year Product Warranty.

To order, add bearing size to Hamilton number.  
Example:  
W-822-AYB-1/2.



\* = same day/next day PRONTO® shipment. **AY Series Selection Table**

3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Wheel Contour	Bearing Type	Cap. Lbs.	Hamilton Model No.	Bearing Size	Wt. Lbs.
4	2	2 3/8	Donut	Prec. BB	300	* W-422-AYB-1/2 3YR	1/2	2
6	2	2 3/8	Crown	Roller	1200	* W-620-AY- 3YR	1/2-5/8-3/4	2 1/2
		2 7/8	Donut	Prec. BB	600	* W-622-AYB-1/2 3YR	1/2	3
8	2	2 3/8	Crown	Roller	1500	* W-820-AY- 3YR	1/2-5/8-3/4	3 3/4
		2 7/8	Donut	Prec. BB	1000	* W-822-AYB-1/2 3YR	1/2	5

## Swivel-EAZ® Wheels

These unique polyurethane on aluminum wheels offer both ergonomic and economic advantages over standard polyurethane wheels. Two independent swivel surfaces roll on a common axle. The result is reduced rolling resistance, reduced initial start forces, and extended swivel caster life. In addition, use of these wheels eliminates the need for costlier dual-wheel casters.

Two tread designs are offered (crown and flat face) along with two hardnesses (80A and 95A). The wheels are non-marking and maintenance free.



The Swivel-EAZ® Series (SW) is backed by Hamilton's Three Year Product Warranty.



#W-620-SWF-1/2



★ = same day/next day PRONTO® shipment.

### SW Series Selection Table

3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Wheel Contour	Hardness	Tread Color	Cap. Lbs.	Hamilton Model No.	Bearing Size	Wt. Lbs.
4	2	2½	Crown	95(A)	Blue	600	★ W-420-SWC-½ <sup>3YR</sup>	½	2
		2½	Flat	80(A)	Red	800	★ W-420-SWF-½ <sup>3YR</sup>	½	2
6	2	2½	Crown	95(A)	Blue	1300	★ W-620-SWC-½ <sup>3YR</sup>	½	4
		2½	Flat	80(A)	Red	1700	★ W-620-SWF-½ <sup>3YR</sup>	½	4
8	2	2½	Crown	95(A)	Blue	2400	★ W-820-SWC-½ <sup>3YR</sup>	½	6
		2½	Flat	80(A)	Red	2400	★ W-820-SWF-½ <sup>3YR</sup>	½	6

## Unilast® Wheels

Unilast® Wheels are Hamilton's line of solid elastomer wheels designed for medium to heavy duty loads. Equipped with Delrin® or Precision ball bearings, these high performance wheels are steam cleanable and well suited for hostile environments, as they are not affected by blood, brine, salt, grease, oils and many other harsh chemicals. Standard hardness of the Unilast® is 75-80 Shore D. Unilast® Wheels are available in sizes ranging from 4" x 1¼" to 8" x 3" and with three bearing options; Delrin®, Straight Roller, and Precision Sealed Ball Bearings.

For more rigorous or custom solid poly applications: higher performing urethanes, stainless steel precision ball bearings, various hardnesses, non-stock sizes, and colors can also be provided. Consult factory with application details.

### FEATURED WHEEL BEARINGS



**Precision Ball Bearings (B):** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Straight Roller Bearing:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



**Delrin® Bearings (Z):** chemical and corrosion resistant plastic-type bearing.



#W-620-UYB-1/2



★ = same day/next day PRONTO® shipment.

### UY Series Selection Table

Dia.	Face	Delrin® Bearings				Roller Bearings				Precision Ball Bearings♣				
		Cap. Lbs.	Hub Length	Hamilton Model No.	Brg. Size	Cap. Lbs.	Hub Length	Hamilton Model No.	Brg. Size	Cap. Lbs.	Hub Length	Hamilton Model No.	Brg. Size	Wt. Lbs.
4	1¼	500	1%	★W-412-UYZ-½	½	500	1%	★W-412-UY-	½-¾-¾	X	X	X	X	¾
	2	750	2%	★W-420-UYZ-¾	¾	750	2%	★W-420-UY-	½-¾-¾	750	2½	★W-420-UYB-½	½	1
5	2	900	2¼	★W-520-UYZ-¾	¾	900	2¼	★W-520-UY-	½-¾-¾	900	2½	★W-520-UYB-½	½	1¼
6	2	1000	2¼	★W-620-UYZ-¾	¾	1100	2¼	★W-620-UY-	½-¾-¾	1100	2½	★W-620-UYB-½	½	1¾
8	2	1000	2¼	★W-820-UYZ-¾	¾	1500	2¼	★W-820-UY-	½-¾-¾	1500	2½	★W-820-UYB-½	½	2¾

To order, add bearing size to Hamilton number.  
Example: W-620-UYB-1/2.

♣ Precision Ball Bearing models include ½" top hat spanners. (Hub length shown includes spanners.)

**Plastex Wheels**



#W-825-P-1

Fiber-filled phenolic resin, molded under extreme pressure, gives Hamilton *Plastex* Wheels the ability to carry heavy loads without damaging floors in intermittent service. They are non-marking, resist corrosion from oil, water, grease and commonly used acids or solvents, and will not spark. They can be operated continuously in temperatures ranging from -50° to 260° F and intermittently to 300° F.

Roller bearings are standard in all wheels (choice of straight or precision tapered roller bearings in most of the larger sizes). Tapered bearing wheels feature superior "anti-slip" installation: bearing cups are press-fit into the counterbored ends. All wheel sizes 5" and above (except 6" x 2½", 6" x 3" and 8" x 3") have ball-check pressure lubrication fittings.

Hi-Heat *Plastex* Wheels, designed to withstand continuous temperatures up to

475° F are shown in the chart below. NOTE: Because of their special high heat properties these wheels are more brittle than the standard compound, and not well suited for use over rough surfaces.

Laminated *Plastex* treads are newly featured and shown in the last chart below. Laminated treads are made from continuous phenolic impregnated fiber laminations that are wound over standard macerated centers. The end result is a much greater resistance to fraying, with up to 35% more impact strength and 25% more capacity.

**OPTIONAL ACCESSORIES** (more help on page 12)

- **Wheel Bearing Seals**
- **Special Hub Length**
  - hubs can be cut to provide shorter length, spacer washers furnished to increase length.
- **Spanner Bushings**
  - select from page 90.



**FEATURED WHEEL BEARINGS**



**Straight Roller Bearing:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



**Tapered Roller Bearings:** best for most severe heavy duty and power-towed applications

To order, add bore or bearing size to Hamilton number. Example: W-825-P-1.

Additional non-stock sizes available in both hi-heat and laminated wheels, consult factory.

★ = same day/next day **PRONTO®** shipment. **P Series Selection Table**

Dia.	Face	Hub Length	Cap. Lbs.	Plain Bore		Straight Roller Bearings		Tapered Roller Bearings		Wt. Lbs.
				Hamilton Model No.	Bore Sizes	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Sizes	
3	1¾	1½	550	★ W-310-PL-1⅞	1⅞	★ W-310-P-¾	¾	X	X	¾
3¼	1½†	1½	600	★ W-315-PL-1⅞	1⅞	★ W-315-P-	½-⅝-¾	X	X	1
	2†	2⅞	700	★ W-320-PL-1⅞	1⅞	★ W-320-P-	½-⅝-¾	X	X	1¼
4	1½	1½	600	★ W-415-PL-1⅞	1⅞	★ W-415-P-	½-⅝-¾	X	X	1¼
	2	2⅞	800	★ W-420-PL-1⅞	1⅞	★ W-420-P-	½-⅝-¾	X	X	1½
5	1½	1½	600	★ W-515-PL-1⅞	1⅞	★ W-515-P-	½-⅝-¾	X	X	1¼
	2	2⅞	1000	★ W-520-PL-	1⅞ or 1⅞	★ W-520-P-	½-⅝-¾-⅞-1	X	X	2
6	1½	1½	800	★ W-615-PL-1⅞	1⅞	★ W-615-P-	½-⅝-¾	X	X	1¾
	2	2⅞	1200	★ W-620-PL-	1⅞ or 1⅞	★ W-620-P-	½-⅝-¾-⅞-1	X	X	2¾
	2½†	3¼	1800	★ W-625-PL-1⅞	1⅞	★ W-625-P-	1-1¼	W-625-PT-	¾-1	4¾
8	3†	3¼	2000	★ W-630-PL-1⅞	1⅞	★ W-630-P-	1-1¼	W-630-PT-	¾-1	6½
	2	2⅞	1400	★ W-820-PL-	1⅞ or 1⅞	★ W-820-P-	½-⅝-¾-⅞-1	X	X	4¾
	2½	3¼	2000	★ W-825-PL-1⅞	1⅞	★ W-825-P-	1-1¼	W-825-PT-	¾-1	6¾
10	3†	3¼	3000	★ W-830-PL-1⅞	1⅞	★ W-830-P-	1-1¼	W-830-PT-	¾-1	8¾
	2½	3¼	2500	★ W-1025-PL-1⅞	1⅞	★ W-1025-P-	1-1¼	W-1025-PT-	¾-1	9¼
12	3	3¼	2900	★ W-1030-PL-1⅞	1⅞	★ W-1030-P-	1-1¼	W-1030-PT-	¾-1	12¾
	2½	3¼	3000	W-1225-PL-1⅞	1⅞	W-1225-P-	1-1¼	W-1225-PT-	¾-1	12¼
16	3	3¼	3500	★ W-1230-PL-1⅞	1⅞	★ W-1230-P-	1-1¼	W-1230-PT-	¾-1	13
	3½	4¼	4000	W-1235-PL-2⅞	2⅞	W-1235-P-	1¼-1½	W-1235-PT-	♣	20
16	3	4¼	4000	W-1630-PL-	2⅞ or 2⅞	W-1630-P-	1-1¼-1½	W-1630-PT-	♣	25
	4	5¼	5000	W-1640-PL-2⅞	2⅞	W-1640-P-	1¼-1½	W-1640-PT-	♣	29

† Straight-sided wheel, no lube fitting. ♣ Precision tapered bearings for higher capacities available, consult factory.

**HI-HEAT PLASTEX WHEELS**

4	1¼	1⅞	250	★ W-412-HHPL-½	½	W-412-HHP-	½-⅝	X	X	1¼
	2	2⅞	500	★ W-420-HHPL-1⅞	1⅞	★ W-420-HHP-	½-⅝-¾	X	X	1½
5	1¼	1⅞	300	★ W-512-HHPL-½	½	W-512-HHP-	½-⅝	X	X	1½
	2	2⅞	750	★ W-520-HHPL-1⅞	1⅞	★ W-520-HHP-	½-⅝-¾	X	X	1¾
6	2	2⅞	900	★ W-620-HHPL-1⅞	1⅞	★ W-620-HHP-	½-⅝-¾	X	X	2¾
8	2	2⅞	1100	★ W-820-HHPL-1⅞	1⅞	★ W-820-HHP-	½-⅝-¾	X	X	4¾
10	3	3¼	2400	★ W-1030-HHPL-1⅞	1⅞	★ W-1030-HHP-	1-1¼	W-1030-HHPT-	¾-1	12¾
12	3	3¼	2600	★ W-1230-HHPL-1⅞	1⅞	★ W-1230-HHP-	1-1¼	W-1230-HHPT-	¾-1	13

**LAMINATED PLASTEX WHEELS**

6	2	2⅞	1500	★ W-620-LPL-1⅞	1⅞ or 1⅞	★ W-620-LP-	½-⅝-¾	X	X	2¾
8	2	2⅞	1750	★ W-820-LPL-1⅞	1⅞ or 1⅞	★ W-820-LP-	½-⅝-¾	X	X	4¾
10	3	3¼	3600	★ W-1030-LPL-1⅞	1⅞	★ W-1030-LP-	1-1¼	W-1030-LPT-	¾-1	12¾
12	3	3¼	4400	★ W-1230-LPL-1⅞	1⅞	★ W-1230-LP-	1-1¼	W-1230-LPT-	¾-1	13

## Moldon Rubber-Tired Wheels

These solid cushion rubber tires permanently molded onto iron wheel centers provide rugged, long wearing wheels that are widely used on industrial equipment. Tires have a thickness of about 1", and hardness of 70 Durometer (± 5, Shore A).

Moldons are standard with antifriction bearings—straight roller in all sizes, with choice of straight or tapered in most of the larger sizes. Pressure lubrication fittings come standard in the hubs (except 4" x 1½", 4" x 2" and 6" x 3"). Operating temperature range is -70° to 160° F.

The 5" wide sizes (12" x 5", 14" x 5", 16" x 5", 18" x 5" and 20" x 5") have centers designed with husky spokes and large hubs.



#W-820-R-3/4

### OPTIONAL EXTRAS (more help on page 12)

- **Wheel Bearing Seals**
- **Special Rubber Compounds**
  - Neoprene (oil and grease resistant).
  - Extra Hard (90 durometer).
- **Special Hub Length**
  - hubs can be cut to provide shorter length, spacer washers furnished to increase length.
- **Keywords, and/or set screws**
  - for locking wheels on shaft (plain bore).
- **Spanner Bushings**
  - select from page 90.

### FEATURED WHEEL BEARINGS



**Straight Roller Bearing:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



**Tapered Roller Bearings:** best for most severe heavy duty and power-towed applications



★ = same day/next day PRONTO® shipment. **R Series Selection Table**

Dia.	Face	Hub Length	Cap. Lbs.*	Plain Bore		Straight Roller Bearings		Tapered Roller Bearings		Hub Outside Dia.	Wt. Lbs.
				Hamilton Model No.	Bore Sizes	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Sizes		
4	1½•	1¾	200	★ W-415-RL-1¾	1¾	★ W-415-R-	½-¾-¾	X	X	1½	2½
	2•	2¼	300	★ W-420-RL-1¾	1¾	★ W-420-R-	½-¾-¾	X	X	1¾	3½
5	1½•	1¾	240	★ W-515-RL-1¾	1¾	★ W-515-R-	½-¾-¾	X	X	2¼	2¾
	2•	2¼	350	★ W-520-RL-1¾	1¾	★ W-520-R-	½-¾-¾	X	X	1½	3¾
6	1½•	1¾	280	★ W-615-RL-1¾	1¾	★ W-615-R-	½-¾-¾	X	X	1¾	3¾
	2	2¼	410	★ W-620-RL-	1¾-1½	★ W-620-R-	½-¾-¾-1	W-620-RT-¾	¾	1½ or 2¼	4½
	2½•	3¼	540	★ W-625-RL-1½	1½	★ W-625-R-	1-1¼	W-625-RT-	¾-1	2½	9¾
	3•	3¼	680	★ W-630-RL-1½	1½	★ W-630-R-	1-1¼	X	X	2¾	11½
7	2	2¼	450	★ W-720-RL-	1¾-1½	W-720-R-	½-¾-¾-¾-1	W-720-RT-¾	¾	2 or 2¼	6
	2	2¼	500	★ W-820-RL-	1¾-1½	★ W-820-R-	¾-¾-¾-1	W-820-RT-¾	¾	1¾ or 2¼	7
8	2½	3¼	670	★ W-826-RL-1½	1½	★ W-826-R-	1-1¼	W-826-RT-	¾-1	3	9½
	3	3¼	840	★ W-830-RL-1½	1½	★ W-830-R-	1-1¼	W-830-RT-	¾-1-1¼	2½	15¼
9	2•	2¼	570	★ W-920-RL-	1¾-1½	W-920-R-	¾-¾-¾-1	W-920-RT-¾	¾	2¾	9½
	2½	3¼	750	★ W-925-RL-	1½	W-925-R-	¾-1-1¼	W-925-RT-	¾-1-1¼	3¾	13
10	2½•	3¼	790	★ W-1025-RL-	1½-2¾	★ W-1025-R-	1-1¼	W-1025-RT-	¾-1-1¼	2¾	12¾
	3•	3¼	1000	★ W-1030-RL-	1½-2¾	★ W-1030-R-	1-1¼	W-1030-RT-	¾-1-1¼	2½	15½
	4•	4¼	1400	★ W-1040-RL-1½	1½	W-1040-R-	1-1¼	W-1040-RT-1¼	1¼	3	33
12	2	2¾	690	★ W-1220-RL-1½	1¾	★ W-1220-R-1	1	X	X	2½	12
	2½	2¾	900	★ W-1225-RL-1½	1¾	★ W-1225-R-1	1	X	X	2½	17
	2½	3¼	900	★ W-1226-RL-1½	1½	W-1226-R-	1-1¼	W-1226-RT-	¾-1-1¼	2½	20
	3	3¼	1140	★ W-1230-RL-	1½-2¾	★ W-1230-R-	1-1¼	W-1230-RT-	¾-1-1¼	2¾	20
	3½	4¼	1370	★ W-1235-RL-2¾	2¾	W-1235-R-	1-1¼-1½	W-1235-RT-1¼	1¼	3¼	27
14	4	4¼	1600	★ W-1240-RL-2¾	2¾	W-1240-R-	1-1¼-1½	W-1240-RT-1¼	1¼	3¾	30
	5	5¼	2050	★ W-1250-RL-2¾	2¾	W-1250-R-	1¼-1½	W-1250-RT-	1¼-1½	4	53
	3	3¼	1280	★ W-1430-RL-1½	1½	W-1430-R-	1-1¼	W-1430-RT-	¾-1-1¼	3¼	33
16	5	5¼	2300	★ W-1450-RL-2¾	2¾	W-1450-R-	1¼-1½	W-1450-RT-	1¼-1½	4	64
	3	3¼	1420	★ W-1630-RL-1½	1½	W-1630-R-	1-1¼	W-1630-RT-	¾-1-1¼	3¾	31
18	4•	4¼	1990	★ W-1640-RL-2¾	2¾	W-1640-R-	1¼-1½	X	X	3¾	50
	5	5¼	2570	★ W-1650-RL-2¾	2¾	W-1650-R-	1¼-1½-1¾-2	W-1650-RT-	1¼-1½	4¼	79
20	3	3¼	1550	★ W-1830-RL-1½	1½	W-1830-R-	1-1¼	W-1830-RT-	¾-1-1¼	3¼	40
	5	5¼	2800	★ W-1850-RL-2¾	2¾	W-1850-R-	1¼-1½-1¾-2	W-1850-RT-	1¼-1½	4¼	86
20	3	4¼	1680	★ W-2030-RL-2¾	2¾	W-2030-R-	1-1¼-1½	W-2030-RT-1¼	1¼	3¼	66
	5	5¼	3020	★ W-2050-RL-2¾	2¾	W-2050-R-	1¼-1½-1¾-2	W-2050-RT-	1¼-1½	4¼	100

Many sizes have solid web center – see table footnote.

To order, add bore or bearing size to Hamilton number. Example: W-826-R-1.

\* Capacity ratings shown are those of The Institute of Caster Manufacturers, for speeds of 3 m.p.h.  
 • These wheels have solid metal centers (no spokes); others are spoke-type.

**Metal Wheels**



#W-620-MB-1/2

With one of the industry's largest lines of metal wheels (most are cast iron, a few of the smaller sizes sintered iron), Hamilton has come to be known as the first place to go for new or replacement metal wheels. In the last three years, the most popular metal wheel sizes have been upgraded with larger hubs and less scrap metal content to represent the most durable and highest quality metal wheels in the industry.

All metal wheels over 5" diameter include lubrication fittings in the hubs (lube axles are recommended for the smaller sizes). Faces of some plain bore wheels are not normally machined, nor are faces machined on any wheels that are not indicated by footnote (+, \*, or §).

Some non-standard bores within the minimum and maximum range shown may require an extra charge; close tolerances are always special and can be quoted upon receipt of details.

**OPTIONAL ACCESSORIES** (more help on page 12)

- **Straight or Tapered Roller Bearing Seals.**
- **Special Hub Length**
  - hubs can be cut to provide shorter length, spacer washers furnished to increase length.
- **Keyways, and/or set screws**
  - for locking wheels on shaft.
- **Spanner Bushings**
  - select from page 90.

**FEATURED WHEEL BEARINGS**



**Straight Roller Bearing:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



**Precision Ball Bearings:** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Tapered Roller Bearings:** best for most severe heavy duty and power-towed applications

Not all sizes have solid web center – see chart.

To order, add bore or bearing size to Hamilton number.  
Example: W-620-M-3/4.



★ = same day/next day PRONTO® shipment.

**M Series Selection Table**

Dia. *	Face	Hub Length	Load Cap. Lbs.	Plain Bore				Straight Roller Bearings		Precision Ball Bearings		Tapered Roller Bearings		Casting Number	Hub Outside Dia.	Wt. Lbs.	
				Hamilton Model No.	Standard Bore	Min. Bore	Max. Bore	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Size	Hamilton Model No.	Bearing Sizes				
2 1/2	1*	1 3/8	250	★ W-210-ML-5/16	5/16	X	X	X	X	X	X	X	X	X	X	3/4	3/4
	1 1/2*	1 1/8	250	W-215-ML-1 1/16	1 1/16	X	X	W-215-M-	1/2-5/8-3/4	X	X	X	X	5215	1 1/4	1 1/4	
	2*	2 1/4	275	W-220-ML-1 1/16	1 1/16	X	X	W-220-M-	1/2-5/8-3/4	X	X	X	X	5220	1 1/4	2	
2 3/4	1 1/2 •	1 1/8	250	W-275-ML-1 1/16	1 1/16	X	X	W-275-M-	1/2-5/8-3/4	X	X	X	X	040020	1 1/4	1 1/2	
3	1 1/4*	1 1/8	250	★ W-312-ML-	3/8 1/2 or 13/16	X	X	W-312-M-3/8	3/8-1/2	X	X	X	X	X	1 1/4	1	
	1 1/2 • §	1 3/4	550	W-415-ML-	1 1/8	1 1/8	1 3/4	★ W-415-M-	1/2-5/8-3/4	X	X	W-415-MT-3/4	3/4	040285	2 1/4	2 1/2	
	1 1/2	1 3/4	400	W-416-ML-	7/16	3/8	5/8	X	X	X	X	X	X	040140	1 1/8	2 3/4	
4	2 • §	2 1/4	1000	★ W-420-ML-	1 1/8	1 1/8	1 3/4	★ W-420-M-	1/2-5/8-3/4	★ W-420-MB-1/2	1/2	W-420-MT-3/4	3/4	040285	2 1/4	2 3/4	
	1 1/4 •	1 3/4	400	W-430-ML-	1 1/8	1 1/8	2 1/8	W-430-M-	1-1 1/4	X	X	W-430-MT-	3/4-1	040340	2 1/2	8	
	1 1/2 •	1 3/4	750	W-475-ML-	1 1/8	1 1/8	1 1/2	W-475-M-	1/2-5/8	X	X	X	X	040320	1 3/4	3 1/4	
5	1 1/2 • §	1 3/4	400	W-515-ML-	1 1/8	1 1/8	1 3/4	★ W-515-M-	1/2-5/8-3/4	X	X	W-515-MT-3/4	3/4	040525	2 1/4	4 1/4	
	1 3/4 • §	2 1/4	750	W-518-ML-	1 1/8	1 1/8	1 3/4	W-518-M-	1/2-5/8-3/4	W-518-MB-1/2	1/2	W-518-MT-3/4	3/4	040525	2 1/4	4 3/4	
	2 • §	2 1/4	1300	★ W-520-ML-	1 1/8 or 1 1/16	1 1/8	1 3/4	★ W-520-M-	1/2-5/8-3/4-1	★ W-520-MB-1/2	1/2	W-520-MT-3/4	3/4	040525	2 1/4	5	
	2 1/2 •	3 1/4	2500	W-525-ML-1 1/16	1 1/16	1 1/8	X	W-525-M-	1-1 1/4	W-525-MB-3/4	3/4	W-525-MT-	3/4-1	X	2 1/2	10 1/4	
	3 •	3 1/4	1500	W-530-ML-	1 1/16	1 1/8	2 3/16	W-530-M-	1-1 1/4	W-530-MB-3/4	3/4	W-530-MT-	3/4-1-1 1/4	040582	2 3/4	9 1/4	
6	1 1/4 • §	1 3/4	500	W-612-ML-	1 1/8	1 1/8	1 3/4	W-612-M-	1/2-5/8-3/4	X	X	W-612-MT-3/4	3/4	040765	2 1/4	5	
	1 1/2 • §	1 3/4	850	W-615-ML-	1 1/8	1 1/8	1 3/4	★ W-615-M-	1/2-5/8-3/4	X	X	W-615-MT-3/4	3/4	040765	2 1/4	5 1/2	
	2 • §	2 1/4	1400	★ W-620-ML-	1 1/8 or 1 1/16	1 1/8	1 3/4	★ W-620-M-	1/2-5/8-3/4-1	★ W-620-MB-1/2	1/2	W-620-MT-3/4	3/4	040765	2 1/4	6	
	2 1/2 •	3 1/4	2200	W-625-ML-1 1/16	1 1/16	1 3/4	2 1/16	★ W-625-M-	1-1 1/4	W-625-MB-3/4	3/4	W-625-MT-	3/4-1-1 1/4	040870	2 1/2	9 1/2	
	3 •	3 1/4	2500	★ W-630-ML-	1 1/16	1 1/8	2 1/16	★ W-630-M-	1-1 1/4	★ W-630-MB-3/4	3/4	W-630-MT-	3/4-1-1 1/4	040870	3	12	
7	2 • §	2 1/4	1000	W-720-ML-	1 1/8	1 1/8	1 1/2	W-720-M-	3/4-1	W-720-MB-1/2	1/2	W-720-MT-3/4	3/4	040895	2 3/8	7	
	2 1/2 •	3 1/4	1500	W-725-ML-	1 1/16	1 1/8	2 1/16	W-725-M-	1-1 1/4	W-725-MB-3/4	3/4	W-725-MT-	3/4-1-1 1/4	040960	3 3/8	11 3/4	
	3 •	3 1/4	3000	W-730-ML-1 1/16	1 1/16	X	X	W-730-M-	1-1 1/4	W-730-MB-3/4	3/4	W-730-MT-	3/4-1-1 1/4	040960	2 3/4	14	
8	2 •	2 1/4	1500	★ W-820-ML-	1 1/8	1 1/8	1 1/2	★ W-820-M-	1/2-5/8-3/4-1	★ W-820-MB-1/2	1/2	W-820-MT-	3/4	041070	2 3/8	15	
	2 1/2 •	3 1/4	2500	W-825-ML-1 1/16	1 1/16	1 3/4	2 1/2	★ W-825-M-	1-1 1/4	W-825-MB-3/4	3/4	W-825-MT-	3/4-1-1 1/4	041210	3	23	
	3 •	3 1/4	2600	W-830-ML-	1 1/16	1 3/4	2 1/2	★ W-830-M-	1-1 1/4	★ W-830-MB-3/4	3/4	W-830-MT-	3/4-1-1 1/4	041210	3	23	
	4 •	4 1/4	3500	W-840-ML-	1 1/16	1 1/8	2 1/16	W-840-M-	1-1 1/4	X	X	W-840-MT-	1-1 1/4	041210	3	28	
9	2 1/2 •	3 1/4	2000	W-925-ML-1 1/16	1 1/16	1 3/4	2 1/16	W-925-M-	1-1 1/4	W-925-MB-3/4	3/4	W-925-MT-	3/4-1-1 1/4	041220	2 3/4	12	
	3 •	3 1/4	3000	W-930-ML-	1 1/16	1 3/4	2 1/16	W-930-M-	1-1 1/4	W-930-MB-3/4	3/4	W-930-MT-	3/4-1-1 1/4	041270	3	20	

(chart continues top of next page)



★ = same day/next day **PRONTO®** shipment.

Dia. *	Face	Hub Length	Load Cap. Lbs.	Plain Bore				Straight Roller Bearings		Precision Ball Bearings		Tapered Roller Bearings		Casting Number	Hub Outside Dia.	Wt. Lbs.
				Hamilton Model No.	Standard Bore	Min. Bore	Max. Bore	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Size	Hamilton Model No.	Bearing Sizes			
10	2½†	3¼	2500	W-1025-ML-1½	1½	X	X	★ W-1025-M-	1-1¼	W-1025-MB-¾	¾	W-1025-MT-	¾-1-1¼	041320	3	17
	3†	3¼	2600	W-1030-ML-1½	1½	X	X	★ W-1030-M-	1-1¼	★ W-1030-MB-¾	¾	W-1030-MT-	¾-1-1¼	041400	3	17¼
	3½*	4¼	3000	W-1035-ML-	2¾	2¾	2½	W-1035-M-	1-1¼	X	X	W-1035-MT-	1-1¼	041420	3¼	22
	4*	4¼	3000	W-1040-ML-2¾	2¾	X	X	W-1040-M-	1-1¼-1½	X	X	W-1040-MT-1¼	1¼	041440	3¼	24
11	3**	3¼	4000	W-1130-ML-	2¾	1½	2½	W-1130-M-	1-1¼-1½	W-1130-MB-¾	¾	W-1130-MT-	1-1¼	041520	3½	33
	4**	4¼	4000	W-1140-ML-	2¾	1½	2½	W-1140-M-	1-1¼-1½	X	X	W-1140-MT-	1-1¼	041540	3¾	40
12	2*	2¾	1200	W-1220-ML-	1¾	¾	1½	W-1220-M-	¾-1	X	X	W-1220-MT	¾-1	041620	2¾	18¼
	2½	3¼	1200	W-1225-ML-1½	1½	X	X	★ W-1225-M-	1-1¼	W-1225-MB-¾	¾	X	X	041640	2¾	18½
	3†	3¼	2500	W-1230-ML-	1½	1	2¼	★ W-1230-M-	1-1¼	W-1230-MB-¾	¾	W-1230-MT-	¾-1-1¼	041660	3¼	26
14	5	5¼	5500	W-1250-ML-	2¾	2¾	3¾	W-1250-M-	1¼-1½	X	X	W-1250-MT-	1¼-1½	041700	4	52
	3*	3¼	2500	W-1430-ML-	1½	1½	2¾	W-1430-M-	1-1¼	W-1430-MB-¾	¾	W-1430-MT-	¾-1	041760	3¾	26
16	5	5¼	6000	W-1450-ML-	2¾	2¾	3¾	W-1450-M-	1½-1¾-2	X	X	W-1450-MT-	1¼-1½	041780	4¼	64
	3*	3¼	2500	W-1630-ML-	1½	1½	2¾	W-1630-M-	1-1¼	W-1630-MB-¾	¾	W-1630-MT-	¾-1-1¼	041820	3¼	36
18	5	5¼	6500	W-1650-ML-	2¾	2¾	3¾	W-1650-M-	1¼-1½	X	X	W-1650-MT-	1¼-1½	041840	4¼	74
	3*	4¼	4000	W-1830-ML-	1½	1½	2¾	W-1830-M-	1-1¼	X	X	W-1830-MT-1¼	1¼	041940	3¼	57
18	5	5¼	7000	W-1850-ML-	2¾	2¾	3¾	W-1850-M-	1½-1¾-2	X	X	W-1850-MT-	1¼-1½	041960	4¼	86

\* Diameters listed are nominal; actual diameter may differ as much as ¼" due to pattern or casting variations. Advise if diameter is critical.  
 † Furnished with face machine finished only when ordered with bearings or with standard bearing bore. Faces of many other wheels listed can be machined at extra cost.  
 \* These wheels are pressure-molded sintered iron, smooth and concentric.  
 \* Tapered bearing models furnished with machine finished face.  
 • These wheels have solid metal centers (no spokes); others are spoke-type.  
 ‡ Ductile Iron Blank.  
 § These wheels have a machined crowned face.

Stainless Steel wheels are ideally suited for corrosive situations, high heat environments and heavy-duty applications. These wheels are made from Type 303 stainless steel and are also available as machined V-Grooved wheels in the same diameters. (For use in stainless steel casters, see pages 48, 54, & 55).

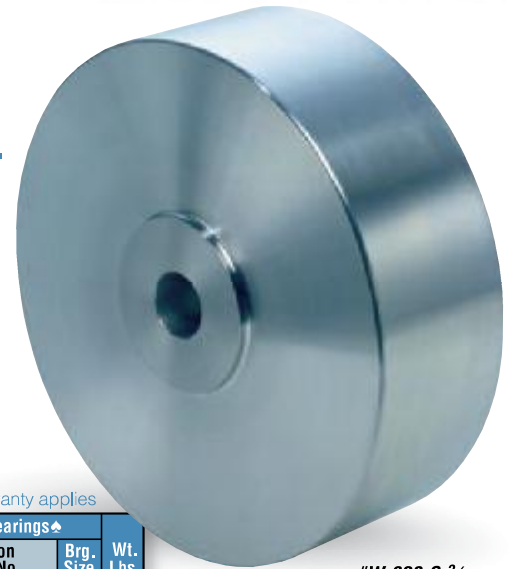
Series S wheels are available with either plain bore, Delrin® bearings, or stainless steel ball bearings. Consult factory for custom machining or special bearing options (allowing even higher capacities).

Series S wheels are ideal in harsh environments such as autoclaves, food processing plants, chemical plants, pharmaceutical operations, and on animal cages.

### THREE YEAR WARRANTY



The Stainless Steel Series (S) is backed by Hamilton's Three Year Product Warranty.



#W-620-S-¾

NOTE: Model numbers containing the letter "V" are V-grooved wheels.



★ = same day/next day **PRONTO®** shipment.

### S Series Selection Table

3YR = 3 Year Warranty applies

Dia.	Face	Plain Bore				Delrin® Bearings				S.S Precision Ball Bearings♠				Wt. Lbs.
		Cap. Lbs.	Hub Length	Hamilton Model No.	Bore Size	Cap. Lbs.	Hub Length	Hamilton Model No.	Brg. Size	Cap. Lbs.	Hub Length	Hamilton Model No.	Brg. Size	
3	1%	450	1%	W-313-S-½	½	450	1%	W-313-SZ-½	½	450	1%	★ W-313-SB-½	½	3
		450	1%	W-313-SV-½	½	450	1%	W-313-SVZ-½	½	450	1%	W-313-SVB-½	½	3
4	1%	550	1%	W-413-S-½	½	600	1%	W-413-SZ-½	½	600	1%	★ W-413-SB-½	½	5
		550	1%	★ W-413-SV-½	½	600	1%	★ W-413-SVZ-½	½	600	1%	★ W-413-SVB-½	½	5
	2	800	2¼	★ W-420-S-¾	¾	850	2¼	W-420-SZ-¾	¾	850	2¼	★ W-420-SB-¾	¾	7
		800	2¼	★ W-420-SV-¾	¾	850	2¼	W-420-SVZ-¾	¾	850	2¼	★ W-420-SVB-¾	¾	7
5	2	900	2¼	★ W-520-S-¾	¾	950	2¼	W-520-SZ-¾	¾	950	2¼	★ W-520-SB-¾	¾	11
		900	2¼	★ W-520-SV-¾	¾	950	2¼	★ W-520-SVZ-¾	¾	950	2¼	★ W-520-SVB-¾	¾	10
6	2	950	2¼	W-620-S-¾	¾	1000	2¼	W-620-SZ-¾	¾	1200	2¼	★ W-620-SB-¾	¾	16
		950	2¼	★ W-620-SV-¾	¾	1000	2¼	W-620-SVZ-¾	¾	1200	2¼	★ W-620-SVB-¾	¾	15
8	2	1100	2¼	W-820-S-¾	¾	1000	2¼	W-820-SZ-¾	¾	1500	2¼	★ W-820-SB-¾	¾	29
		1100	2¼	W-820-SV-¾	¾	1000	2¼	W-820-SVZ-¾	¾	1500	2¼	★ W-820-SVB-¾	¾	27

♠ Precision Ball Bearing models include ½" top hat spanners. (Hub length shown includes spanners.)

**Heavy Duty Semi-Pneumatic Wheels**



#W-16-SPRT-1 1/4

For those rugged ground support applications, Hamilton's heavy duty semi-pneumatic tires are the clear answer when standard pneumatics are not up to the task. Available in four sizes, from 14" x 4" to 21" x 6", all wheels are equipped with 1-1/4" precision tapered roller bearings making them well suited for any towing applications.

Each tire is comprised of three tread sections: a firm, stable base compound for strong rim adhesion; a very resilient middle section to dampen the shock of uneven rolling surfaces; and a tough low rolling resistance tread to reduce energy consumption. The resulting soft ride compares favorably with full pneumatic tires, but semi-pneumatics enjoy much higher capacity ratings. Purchase the wheels alone, or refer to Pg. 65 for a heavy duty caster series using these wheels.

★ = same day/next day PRONTO® shipment.

**SPRT Series Selection Table**

Nom. Dia.	Tire Width	Tire Size	Rim Width	Load Cap. Lbs.	Hub Length	Hamilton Model No.	Bearing Size	Wt. Lbs.
14	4	300 x 8	2 1/2	1500	4 1/4	W-1440-SPRT-1 1/4	1 1/4	16
16	5 1/2	400 x 8	3 3/4	2900	5 1/4	★ W-1650-SPRT-	1* - 1 1/4	28
18	5 1/2	500 x 8	3 3/4	3300	6 1/4	W-1850-SPRT-1 1/4	1 1/4	41
21	6	600 x 9	4	4200	7 1/4	W-2160-SPRT-1 1/4	1 1/4	65

\*Uses 1 1/4" bearing with T-bushings to span down to 1".

**Pneumatic Rubber-Tired Wheels**



#W-10-PR-3/4

Like an automobile tire, the low speed industrial pneumatic wheel uses air pressure to provide shock absorption, quiet operation, and ease of rolling over rough terrain. Models 8" through 16" (upper chart) are equipped with straight roller bearings, except #W-9-PR which has 5/8" ball bearings for hand truck use. The lower chart features 10" through 25" models having sealed precision tapered roller bearings for more demanding applications. Wheels are not intended for highway use.

**QUALITY FEATURES**

**Demountable (bolted) hubs** on all models except #W-9-PR, and #W-164-PR.

**Heavy-duty hubs** with anti-friction bearings.

Gray Non-Marking Tread is available as an option.



★ = same day/next day PRONTO® shipment.

**PR Series Selection Table**

Nom. Dia. ‡	Tire Size	Ply Rating (Load Range)	Max Air Infl. Lbs.	Load Cap. Lbs. †	Hub Length*	Hamilton Model No.	Bearing Sizes	Wt. Lbs.
8	2.80/2.50-4	4(B)	50	330	3	★ W-8-PR-	5/8-3/4-1	4 1/4
10	4.10/3.50-4	4(A)	50	320	2 1/4 offs.	★ W-9-PR-5/8	5/8 ball brg.	4 1/2
	3.40/3.00-5	4(B)	100	480	3	★ W-10-PR-	5/8-3/4-1	5 3/4
12	4.10/3.50-6	4(B)	50	625	3 1/4	★ W-12-PR-1	1	8 1/4
16	4.80-8	4(B)	60	960	4 3/4	★ W-164-PR-	1-1 1/4	11 1/2
<b>WITH HEAVY DUTY SEALED TAPERED BEARINGS*</b>								
10	3.40/3.00-5	4(B)	100	480	3 3/8	★ W-10-PRT-3/4	3/4	6
12	4.10/3.50-6	4(B)	50	625	4 3/8	★ W-12-PRT-	3/4-1	8 1/2
16	4.80-8	6(C)	90	1220	4 7/8, 4 1/2	★ W-166-PRT-	1-1 1/4	17
18	5.70-8	8(D)	115	1655	4 7/8, 4 1/2	★ W-188-PRT-	1-1 1/4	22
21	6.90-9	10(E)	125	2500	6 3/4	W-210-PRT-1 1/4	1 1/4	38
25	7.50-10	10(E)	100	3700	6 3/4	W-250-PRT-1 1/4	1 1/4	57

† Capacity ratings shown are based on Tire & Rim Association ratings for tires at maximum inflation and speeds of 5 m.p.h.

‡ Approximate since O.D. of tires can vary, as will deflection with tire pressure and loading.

\* Hub length dimension on wheels equipped with tapered bearings includes thrust spacers.

To order, add bearing size to Hamilton number.  
Example: W-10-PR-3/4

## Ace-Tuf® Wheels

*Ace-Tuf® Wheels* have been a popular material handling solution since their introduction to the Hamilton line in 1983. A major advance in wheel technology marries a solid tire of finely ground recycled rubber molded by a revolutionary, patented process—to a high-impact polypropylene center. Tires are a medium soft 75 Durometer (±5, Shore A). In extensive testing, the *Ace-Tuf® Wheel* surpassed conventional semi-pneumatics in ease of rolling and load carrying ability. Good looks, corrosion resistance and light weight are additional bonuses, yet costs are

lower than for most any type rubber-tired wheel of comparable capacity. All sizes in the chart below are stocked by Hamilton for *PRONTO®* shipment within two days. See catalog page 65 for *Cush-N-Tuf® Casters* equipped with these wheels. Note: Because heat buildup in plastic hubs can lead to tire separation, *Ace-Tuf® Wheels* are not recommended for continuous applications such as towlines.



#W-8-AT-3/4



★ = same day/next day **PRONTO®** shipment. **AT Series Selection Table**

Tire Size	Cap. Lbs.*	Ball Bearings			Wt. Lbs.
		Hub Length	Hamilton Model No.	Bearing Size	
8 x 2.50	450	2¼ offset	★W-8-OAT-¾	¾	3½
8 x 2.50	450	2¼ central	★W-8-AT-¾	¾	3½
10 x 2.75	550	2¼ offset	★W-10-OAT-¾	¾	6
10 x 2.75	550	3¼ central	★W-10-AT-¾	¾	6
12 x 3.00	850	3¼ central	★W-12-AT-¾	¾	8¾

\* Capacity ratings based on intermittent service at speeds not exceeding 4 m.p.h.

## Super-Flex™ Wheels

Here's an unusually rugged, industrial duty wheel that looks like a pneumatic or semi-pneumatic, but is puncture proof and provides super cushioning. Tires are extra soft 60 Durometer (±5, Shore A), extra thick rubber permanently vulcanized to cast aluminum wheel centers. Straight roller bearings and lubrication fittings are standard in the hubs. *Super-Flex™ Wheels* are recommended for bottlers' trucks, pottery trucks, or even for baggage trailers since they're well suited for outdoor use (tapered roller bearings are available in the larger sizes on special order for high speed applications).

See page 64 for casters utilizing these wheels. Since capacity ratings do not take into account the rollability effort required on soft rubber tires, reduce the ratings in the chart by about 50% for manual operation.



#W-8-SU-3/4



★ = same day/next day **PRONTO®** shipment. **SU Series Selection Table**

Tire Size	Cap. Lbs.	Straight Roller Bearings			Wt. Lbs.
		Hub Length	Hamilton Model No.	Bearing Sizes	
6 x 2.00	300	2¼	★W-6-SU-	¾-¾	2½
8 x 2.50	500	2¼	★W-8-SU-	¾-¾	4½
10 x 2.75	700	2¾	★W-10-SU-	¾-¾-1	8
12 x 2.75	800	3¼	★W-12-SU-	1-1¼	11¾
14 x 3.25	900	3¼	W-14-SU-	1-1¼	18
16 x 4.00	1200	4¼	W-16-SU-	1-1¼	25

To order, add bearing size to Hamilton number. Example: W-8-SU-¾.

⚠ Offset hubs available on special order.

**High Performance Rubber on Aluminum Wheels**



#W-1220-RA-1

Hamilton's newest rubber on aluminum wheel offerings have 1" of black high performing rubber tread permanently bonded to the wheel center (70 Durometer ±5, Shore A).

These premium wheels have the same high tensile strength rubber used in our moldon rubber tired wheels on pg 81.

This means that they are more resilient and roll more easily than most "generic" rubber tired wheels. All wheels shown in the chart feature roller bearings, and are offered in multiple sizes.

The second chart shows our standard offerings of Neoprene rubber-on-aluminum wheels. Neoprene is a special formula of rubber that provides far better chemical and oil resistance than standard rubber. These wheels also have a hardness of 70 Durometer (±5, Shore A) and come standard with roller bearings.

Although they are not listed on the caster pages, all of these wheels are available in many of our caster series. Consult factory for pricing and availability.



★ = same day/next day PRONTO® shipment.

**RA Series Selection Table**

Dia.	Face	Hub. Lgth	Web Design	Straight Roller Bearings			Wt. Lbs.
				Cap. Lbs.	Hamilton Model No.	Bearing Sizes	
6	2	2¼	Solid	410	★ W-620-RA-	¾ - 7/8-1	3
7	2	2¾	Solid	455	★ W-720-RA-	5/8 - ¾	4
8	1½	2¼	Solid	350	★ W-815-RA-	5/8 - ¾	4
9	2	2¾	Solid	550	★ W-920-RA-	5/8 - ¾ -1	5
10	2	2¼	Spoked	730	★ W-1020-RA-	5/8 - ¾ -1	7
12	2	2¼	Spoked	720	★ W-1220-RA-	¾ - 7/8-1	10
14	3	3¼	Spoked	1280	W-1430-RA-	1-1¼	18

**NRA Series (Neoprene) Selection Table**

Dia.	Face	Hub. Lgth	Web Design	Straight Roller Bearings			Wt. Lbs.
				Cap. Lbs.	Hamilton Model No.	Bearing Sizes	
4	1½	1¾	Solid	200	★ W-415-NRA-	5/8 - ¾	2
5	1½	1¾	Solid	240	★ W-515-NRA-¾	¾	2
6	1½	1¾	Solid	280	★ W-615-NRA-	5/8 - ¾	3
	2	2¼	Solid	410	★ W-620-NRA-	¾ - 7/8-1	4
8	2	2¼	Spoked	500	★ W-820-NRA-5/8	5/8 - ¾-1	4
10	2½	2¾	Spoked	790	W-1025-NRA-1	1	9

To order, add bearing size to Hamilton number.  
Example: W-1220-RA-¾.

**Vulcalite™ Wheels**



#W-820-AR-¾

Vulcalite™ rubber-on-aluminum wheels come with a gray nonmarking tire permanently vulcanized to a die cast aluminum center. The solid tires have a hardness of 70 Durometer (±5, Shore A). In addition to its non-marking characteristics, the gray compound possesses excellent "bounce" properties that enhance rollability.

You can substitute the wheels below for Moldon Rubber-Tired wheels in any caster by changing the "-R" suffix to "-AR." Straight roller bearings are standard in all Vulcalite™ Wheels except

the 4" x 1½" and 8" x 1½" size, which have ball bearings. Ball check lubrication fittings are provided in roller bearing hubs.

**OPTIONAL EXTRAS (more help on page 12)**

- Wheel Bearing Seals.
- Spanner Bushings – select from page 90.
- Other Sizes – may be available on special order if quantity warrants, consult factory.

★ = same day/next day PRONTO® shipment.

**AR Series Selection Table**

Dia.	Face	Cap. Lbs.	Hub. Length	Straight Roller Bearings		Wt. Lbs.
				Hamilton Model No.	Bearing Sizes	
4	1½	200	1¾	★W-415-AR-5/8	5/8 Ball brg.	1¼
	1½	240	1¾	★W-515-AR-	½ - 5/8 - ¾	3¾
5	2	350	2¼	★W-520-AR-	½ - 5/8 - ¾	2½
	2	410	2¼	★W-620-AR-	½ - 5/8 - ¾	3¾
8	1½	375	2	★W-815-AR-5/8	5/8 Ball brg.	2½
	2	500	2¼	★W-820-AR-	½ - 5/8 - ¾	3¾

To order, add bearing size to Hamilton number.  
Example: W-820-AR-¾.



### QUALITY FEATURES

**Temperature range** -45° to +180°F; intermittently to +220° F.

**Industrial duty designs** with smooth contours and no pockets to collect dirt.

**Resists oil, grease, solvents, chemicals** and wash cycles with harsh cleaning compounds.

### OPTIONAL EXTRAS (more help on page 12)

- **Wheel Bearing Seals with roller bearings**
- **Precision ball bearings**  
– (½") available in 2" wide wheels on large volume orders.
- **Spanner Bushings**  
– select from page 90.



This illustration of polyolefin core prior to molding on tread shows how the rubber tread material locks into, around, and onto the specially configured rim.

This line of high-tech wheels is designed to handle the rigors of both industrial and institutional applications. The *Versa-Tech® Wheels* are formulated with a soft 65 Durometer (±5, Shore A), modulus rubber tread permanently bonded to a polyolefin core. The rubber and polyolefin have been finely balanced to provide the optimum performance of rollability and high impact resistance.

The *Versa-Tech®* cushions any ride when rolling over rough or uneven floors while withstanding tough environments including oil, grease, solvents and a wide assortment of chemicals. The non-marking gray rubber on a white center offers a clean and contemporary appearance and the tread color dramatically reduces the scuffing or marking of floors. Test labs rating rollability and durability report the new technically superior *Versa-Tech®* outperforms other major leading brands in its class.

These attractive wheels offer the capacity ratings of Moldon Rubber-tired wheels, but they are non-marking and more economical. All models are shippable *PRONTO®*.



W-620-TE-3/4

### FEATURED WHEEL BEARINGS



**Straight Roller Bearings:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



**Ball Bearings & Stainless Steel Ball Bearings (S):** non-precision-type



**Delrin® Bearings:** chemical and corrosion resistant plastic-type bearing.

Additional non-stock sizes and different core colors available, consult factory.

To order, add bearing size to Hamilton number.  
Example: W-620-TE-3/4.



★ = same day/next day *PRONTO®* shipment.

### TE Series Selection Table

Dia.	Face	Cap. Lbs.	Delrin® Bearings			Ball Bearings			Stainless Steel Ball Bearings			Straight Roller Bearings			Wt. Lbs.
			Hub Length	Hamilton Model No.	Brg. Size	Hub Length	Hamilton Model No.	Brg. Size	Hub Length	Hamilton Model No.	Brg. Size	Hub Length	Hamilton Model No.	Bearing Size	
3½	1½	240	1½	★W-35-TEZ-½	½	1½	★W-35-TE-	¾-½	1½	★W-35-TES-½	½	X	X	X	¾
4	1½	250	1½	★W-413-TEZ-½	½	1½	★W-413-TE-	¾-½	1½	★W-413-TES-½	½	X	X	X	¾
	2	300	2¾	★W-420-TEZ-¾	¾	X	X	X	X	X	X	2¾	★W-420-TE-	½-¾-¾	1¾
5	1½	275	1½	★W-513-TEZ-½	½	1½	★W-513-TE-	¾-½	1½	★W-513-TES-½	½	X	X	X	1
	2	350	2¾	★W-520-TEZ-¾	¾	X	X	X	X	X	X	2¾	★W-520-TE-	½-¾-¾	1½
6	2	410	2¾	★W-620-TEZ-¾	¾	X	X	X	X	X	X	2¾	★W-620-TE-	½-¾-¾	1¾
8	2	500	2¾	★W-820-TEZ-¾	¾	X	X	X	X	X	X	2¾	★W-820-TE-	½-¾-¾	2½

⊗ A reducing bushing is furnished for use on ¾" axles at no extra cost.

**Aqualite® Polyolefin Wheels**



Hamilton *Aqualite*® Wheels are of the genre loosely referred to in the industry as “polyolefin” or “polypropylene,” but unlike most competitive designs they have heavily-sectioned hubs and rims to withstand the rigors of industrial service. They are injection molded from blended polymers that provide an impact-resistant wheel (75 Durometer on Shore D) impervious to water, brine, gasoline and oil, and most common acids, chemicals and solvents. Tests show *Aqualite*® material to be longer wearing and more resistant to cracking or chipping than hard rubber, yet it is low cost, non-marking and non-staining.

Consequently these wheels are ideally suited for “clean rooms,” pharmaceutical houses, poultry processors, canneries, fisheries, meat packing plants, bakeries and laundries. They meet the U.S.F.D.A. food additives regulation for direct contact with food, and are cleanable with steam or detergents.

**QUALITY FEATURES**

**Temperature range** -20° to +140° F, intermittently to +220° F.

**Industrial duty designs** with smooth contours and no pockets to collect dirt.

**Zero water absorption** even if immersed.

*Aqualite*® Wheels can be ordered with plain self-lubricating bores for maintenance-free operation in corrosive environments. The larger sizes also offer Delrin® or, for easier rolling, roller bearings. Roller bearing equipped wheels for 5" dia. and above are equipped with lube fittings. Flange type Delrin® bearings in 1½" face sizes extend actual hub length of wheel approximately ⅜"; light oiling of Delrin® or plain bores will aid rollability.

**OPTIONAL EXTRAS** (more help on page 12)

- **Wheel Bearing Seals with Roller Bearings.**
- **High Heat Compound** for retorts, etc. available in certain sizes (natural color only).
- **Spanner Bushings**  
– including stainless steel.

**FEATURED WHEEL BEARINGS**



**Delrin® Bearings:** chemical and corrosion resistant plastic-type bearing.



**Straight Roller Bearings:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



White is the standard color on all sizes above 4" x 1⅜", while the smaller sizes are stocked in black.



Note: *Aqualite*® Wheels are not recommended for continuous service (as on toelines).

★ = same day/next day PRONTO® shipment.

**A Series Selection Table**

Dia.	Face	Hub Length	Cap. Lbs.	Plain Bore		Delrin Bearings		Roller Bearings		Wt. Lbs.
				Hamilton Model No.	Bore Sizes	Hamilton Model No.	Bearing Size	Hamilton Model No.	Bearing Sizes	
2½	1⅜	1½	200	★W-25-A-	⅝-½	X	X	X	X	¼
3	1⅜	1½	230	★W-30-A-⅜	⅝	X	X	X	X	½
3½	1⅜	1½	260	★W-35-A-½	½	X	X	X	X	½
4	1⅜	1½	300	★W-413-A-½	½	X	X	X	X	⅞
	1½	1⅜	400	★W-415-A-⅝	⅝	★W-415-AZ-⅝	⅝	★W-415-AH-	½-⅝-¾	¾
5	2	2⅜	550	★W-420-A-¾	¾	★W-420-AZ-¾	¾	★W-420-AH-	½-⅝-¾	¾
	1⅜	1½	300	★W-513-A-½	½	X	X	X	X	1
6	1½	1⅜	450	★W-515-A-⅝	⅝	★W-515-AZ-⅝	⅝	★W-515-AH-	½-⅝-¾	1
	2	2⅜	650	★W-520-A-¾	¾	★W-520-AZ-¾	¾	★W-520-AH-	½-⅝-¾	1
8	1½	1⅜	600	★W-615-A-⅝	⅝	★W-615-AZ-⅝	⅝	★W-615-AH-	½-⅝-¾	1
	2	2⅜	750	★W-620-A-¾	¾	★W-620-AZ-¾	¾	★W-620-AH-	½-⅝-¾	1½
8	2	2⅜	900	★W-820-A-¾	¾	★W-820-AZ-¾	¾	★W-820-AH-	½-⅝-¾	2

To order, add bore or bearing size to Hamilton number. Example: W-415-AZ-⅝.

## Poly-Tech® Wheels

These attractive and durable wheels feature a resilient tread of red polyurethane (90-95 Durometer Shore A) mechanically bonded to a specially designed white center of harder polypropylene. The result is a non-marking, contemporary looking wheel ideally suited for hospitals, schools, restaurants, hotels and motels, office buildings or light industry.

Poly-Tech® wheels are offered with Delrin® bearings, ball bearings, stainless steel ball bearings and straight roller bearings. The 1½" wide wheels, formerly part of the Nu-Flex Series, are available in the following series; HL, 300, and STL. You will find the 4" x 2", 5" x 2", 6" x 2" and 8" x 2" sizes offered in our cold-forged caster series (pg. 50-59) as well as Series STA and BC.



This illustration of polypropylene core prior to molding on tread shows how the urethane tread material locks into, around, and onto the specially configured rim.



Additional non-stock sizes and colors are available, consult factory.

To order, add bearing size to Hamilton number.  
Example: W-620-NF-¾/4.

★ = same day/next day **PRONTO®** shipment.

### NF Series Selection Table

Dia.	Face	Delrin® Bearings				Ball Bearings				Stainless Steel Ball Bearings				Straight Roller Bearings				Wt. Lbs.
		Cap. Lbs.	Hub Length	Hamilton Model No.	Brg. Size	Cap. Lbs.	Hub Length	Hamilton Model No.	Brg. Size	Cap. Lbs.	Hub Length	Hamilton Model No.	Brg. Size	Cap. Lbs.	Hub Length	Hamilton Model No.	Bearing Size	
3½	1½	350	1½	★W-35-NFZ-½	½	350	1½	★W-35-NF-	¾-½	350	1½	★W-35-NFS-½	½	X	X	X	X	¾
	1¾	400	1½	★W-413-NFZ-½	½	400	1½	★W-413-NF-	¾-½	400	1½	★W-413-NFS-½	½	X	X	X	X	¾
4	2	750	2¾	★W-420-NFZ-¾	¾	X	X	X	X	X	X	X	750	2¾	★W-420-NF-	½-¾-¾	¾	
	1¾	450	1½	★W-513-NFZ-½	½	450	1½	★W-513-NF-	¾-½	450	1½	★W-513-NFS-½	½	X	X	X	X	1
5	2	1000	2¾	★W-520-NFZ-¾	¾	X	X	X	X	X	X	X	1050	2¾	★W-520-NF-	½-¾-¾	1½	
	2	1000	2¾	★W-620-NFZ-¾	¾	X	X	X	X	X	X	X	1100	2¾	★W-620-NF-	½-¾-¾	1¾	
8	2	1000	2¾	★W-820-NFZ-¾	¾	X	X	X	X	X	X	X	1200	2¾	★W-820-NF-	½-¾-¾	2½	

⊗ A reducing bushing is furnished for use on ¾" axles at no extra cost.

## Ebonite and Flexonite Wheels

★ = same day/next day **PRONTO®** shipment.

### Ebonite Wheels

Dia.	Face	Hub Length	Cap. Lbs.	Oilless Bearings		Straight Roller Bearings		Wt. Lbs.
				Hamilton Model No.	Bearing Size	Hamilton Model No.	Bearing Size	
2½	1½	1¼	175	★W-25-EQ-¾	¾	X	X	½
3	1¼	1½	210	★W-30-EQ-¾	¾	★W-30-EH-½	½	½
3½	1½	1½	225	★W-35-EQ-½	½	X	X	¾
	1¼	1½	250	★W-412-EQ-½	½	X	X	1
4	1½	1¾	300	★W-415-EQ-¾	¾	★W-415-EH-¾	¾	1
	1¾	1½	280	★W-512-EQ-½	½	X	X	1½
5	1½	1¾	450	★W-515-EQ-¾	¾	★W-515-EH-¾	¾	1½
	2	2¼	550	X	X	★W-520-EH-¾	¾	2½
6	2	2¼	650	X	X	★W-620-EH-¾	¾	2¾

★ = same day/next day **PRONTO®** shipment.

### Flexonite Wheels

Dia.	Face	Hub Length	Cap. Lbs.	Oilless Bearings		Straight Roller Bearings		Wt. Lbs.
				Hamilton Model No.	Bearing Size	Hamilton Model No.	Bearing Size	
2½	1½	1¼	120	★W-25-FO-¾	¾	X	X	½
3	1¼	1¾	125	★W-30-FO-¾	¾	★W-30-FH-¾	¾	½
3½	1½	1½	140	★W-35-FO-½	½	X	X	¾
	1¼	1½	165	★W-412-FO-½	½	X	X	1
4	1½	1¾	200	★W-415-FO-¾	¾	★W-415-FH-¾	¾	1
	1¼	1½	190	★W-512-FO-½	½	X	X	1½
5	1½	1¾	240	X	¾	★W-515-FH-¾	¾	1½

These solid rubber wheels are molded of durable compounds designed for general purpose use. They are furnished with oilless sleeve bearings or straight roller bearings as listed below.

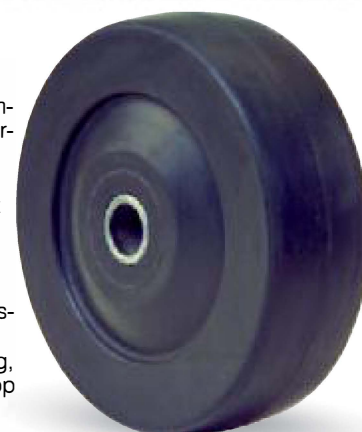
**Ebonite (All Hard)**—one-piece wheel of shatter-resistant rubber throughout. Non-marking, non-sparking, easy rolling, will not develop "set" under static loads.

**Flexonite (Soft Tread)**—a softer rubber tread permanently molded to a hard rubber core. Recommended for light loads where noise is a factor or floors are rough, but capacity is more limited.

When a choice exists between anti-friction (roller) bearings and friction-type (oilless) bearings, operators of manually-propelled loads near rated capacities will appreciate the better rollability provided by roller bearings.

### OPTIONAL EXTRAS (more help on page 12)

- Wheel Bearing Seals
- Spanner Bushings – select from page 90.



## Bearings, Bushings and Axles

Here is a listing of almost all axles used in Hamilton Casters. Remember that for casters employing spanner bushings (see below), axle size is not the same as bearing size. All these axles and nuts are furnished zinc-plated.

The bolt-type axles used in the majority of casters are all supplied with locknuts. Many of these are drilled for lubrication.

### Caster Axles



Size		BOLT-AND-NUT TYPE AXLES Used in Caster Series--	Hamilton No.	
Dia.	Lgth.			
5/16"	2	222-1/2	320110	
5/16"-3/8"◆	2 2/8"	300	320120	
3/8"	2 2/8"	223	320230	
		223 (lube type)	320240	
		HL (except 3")	320260	
7/16"	2 2/8"	STL (◆)	320280	
		224	320410	
1/2"	2 2/8"	224 (lube type)	320400	
		3	320560	
	3 1/2"	BC	320610	
		BC (lube type)	320610	
	4"	3 3/4" WHS, STA (◆)	320580	
		HS, WH, EC, (2" face wheels), 62, MS, GS, 52, 4000 (8), 8006/8526/8208/8528, TG, , TX, PF, WW, UHS	320620	
	5"	4	-FB Casters (2" wide)	320640
		4 1/2"	7008, 7108, 8008	320660
		5	5208, 5210; 7010, 8010 w/o brake; 7008, 8008 w/brake	320680
		5 1/2"	7010 & 8010 brake models	320700
6		SPHS, SPWH	320710	
6 1/2"		HS2	320720	
3/4"	5	SEC, EHD, CH, ES, FM, EC (3" face wheels), 4010, 4012, 8410, 8412	320900	
	5 1/2"	70104, -FB casters (3" wide)	320920	
	6	EHD (4" face), 7012, 70124	320940	
	8	SPCH	320960	
	9	EHD2	320970	
1"	11	7208, 7210	321005	
	5"	5	EPSD (3" wide)	321140
		6	UHD (lube-type)	321120
		7 1/2"	7016, 7116, 70166	321153
		8 1/4"	70188, 7188	321180
		9	MDD (3" face)	321200
	1 1/4"	11 1/8"	MDD (4" face wheels)*	C10410*
		13 3/8"	7212	321220
		15 1/4"	72166	321235
		5 1/2"	MD (3" face wheels)	321420
6 1/4"		MD (4" face wheels)	321440	
1 1/2"	7"	MD (5" face wheels)	321460	
	9 1/2"	70210, 71210	321480	
	11"	70250, 71250	321500	
	11 3/4"	MDD (4" face wheels)	321520	
	18 1/4"	72188	321540	
	22 3/8"	72210, 72250	321590	

◆ Shouldered Axle. ◆ Stainless Steel.  
\* Axle threaded with nuts both ends.

### Precision Tapered Roller Bearings



Description	Mfg. Part No.	Hamilton No.
3/4" Cup	LM11910	450200
3/4" Cone	LM11949	450220
1" Cup	L44610	450280
1" Cone	L44643	450300
1 1/4" Cup	LM67010	450440
1 1/4" Cone	LM67048	450460
1 1/4" Cup (Heavy Duty)	HM88510	450380
1 1/4" Cone (Heavy Duty)	HM88542	450400

### Straight Roller Bearings



I.D. (in.)	O.D. (in.)	Length (in.)	Hamilton No.	
3/8"	7/16"	1 1/4"	440020	
		1 1/2"	450040	
1/2"	1 3/8"	1 1/4"	440120	
		2"	440160	
5/8"	1 1/8"	1 1/2"	440200	
		1 3/4"	440280	
	1 3/8"	1 1/2"	440300	
		2"	440340	
3/4"	1 3/8"	1 1/4"	440400	
		2"	440460	
1"	1 1/8"	3"	440580	
		1"	2 1/2"	440820
	1 1/4"	1 3/4"	4	440840
		2 1/2"	431060	
	1 1/2"	1 5/8"	3"	440880
			4"	440900
1 1/4"	2"	2 1/2"	431120	
		3"	431140	
	2 1/8"	3"	431300	
		4"	431360	
1 1/2"	2 1/8"	4"	431380	
		2 1/2"	431420	
1 1/2"	2 3/8"	3"	431440	
		4"	431480	
1 1/2"	2 3/8"	3"	431580	
		4"	431620	

### Precision Ball Bearings



I.D. (in.)	I.D. (mm)	Description	Mfg. Part No.	Hamilton No.
1/2"	17	Double Sealed	6003-2RS	470090
			6203-2RS	470100
		Double Shielded Stainless	SS6003-ZZ	470120
3/4"	25	Double Sealed	SS6203-ZZ	470110
			6005-2RS	470078
3/4"	X	Double Sealed Single Row Flange-Type	X	470065
			X	470068
		Double Sealed Double Row Flange-Type	X	470068

\*When used in conjunction with Top Hat Spanner.

### Top Hat-Style Spanner Bushings



I.D. (in.)	O.D. (mm)	Where Used	Hamilton No.
1/2"	17	Stainless Steel (STL Series)	351123
		Standard 2" wide wheels	351100
		Stainless Steel 2" wide wheels	351120
3/4"	25	Standard 2 1/2" or 3" wide wheels	351125

### Spanner Bushings



I.D.	O.D.	Lgth.	Used in Caster Series--	Old Hamilton No.	NEW Hamilton No.	
3/8"	1/2"	1 1/8"	300 (with -TB)	SB-5B	340010	
		1 1/16"	STL	SSB-3	340040◆◆	
		1 3/4"	300	SB-18D	340060◆	
7/16"	5/8"	1 9/16"	HL (with-TB)	SB-22	340070◆	
		1 1/4"	HL-4, HL-5	SB-17	340090◆	
1/2"	3/4"	2"	224	SB-12	340100◆	
		1 15/16"	TX	SB-3D	340130◆	
		2 1/2"	WW-8	SB-6	340170◆	
		1"	-	SB-15	340180◆	
		2 3/8"	-	X	340178◆	
	3/4"	1"	2"	-	SB-7	340190◆
			3"	STA, WHS	SSB-4	340205◆◆
			2 1/2"	HS, WH, EC (3" face wheels), GS, MS, 52, WW, 4000 (8"), BC/PF, 62, TG, UHS 8006/8526/8208/8528	SB-2D	340220◆
			3"	7008, 8008	SB-8	340230
			4"	5208, 5210, 7010, 8010	SB-9	340260
1"	1 1/4"	3 1/8"	-	SB-27	340280	
		3 3/8"	SEC, EHD, CH, ES, FM, EC (3" face wheels), 8410/8412	SB-1D	340300	
		4"	7012, 7112, EHD (4" face)	SB-19	340310	
		2 5/8"	-	SB-16	340320◆	
1 1/4"	1 1/2"	3 5/8"	UHD	SB-13	340340◆	
		4"	MDD	SB-14	340350	
		3 3/8"	MD & MDD (3" face wheels)	SB-24	340360	
		4 1/8"	MD & MDD (4" face wheels)	SB-26	340370	

◆ Stainless Steel.

◆ Includes drilled hole for use with Lube-type axles. Drilling of other sizes may be specified at extra cost.

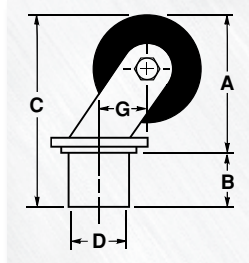


## Upside Down Casters

Hamilton's *Upside-Down* Casters are the labor-saving, state-of-the-art way to move steel plates to shearing machines. Sockets are designed for mounting the casters upside-down in a field of steel pipes extending from the floor to match the height of the shear. With unbelievable ease, one operator can often do the work of two or more. Better yet, these omni-directional movers are shielded from slag and built so tough they'll save you untold replacement costs and downtime over the years.

The two standard models here utilize the swivel technology of Hamilton's *EHD* and *HS* Series respectively. Combined with crowned wheel treads that minimize friction, their integrally forged kingpin and precision tapered thrust bearing provide easy and accurate transfer of the thickest steel plates. Wheels

are equipped with hardened roller bearings rotating on hardened and ground steel spanner bushings for optimum performance and life. Ball-check lubrication fittings are provided to swivel and wheel bearings. For handling stainless steel or other fine finishes, *Duralast®* (polyurethane tread) wheels are offered in these casters (capacities limited to wheel ratings).



#S-UHS-5M

Dia.	Wheel		Hamilton Model No.	Wt. Lbs.	Load Cap. Lbs.	Swivel Offset G	Socket ●		Height Above Socket A	Overall Caster Height C
	Face	Type					Inside Diam. D	Depth B		
5	2	Duralast®	S-UHS-5D	14¾	950	1¼	2⅝	3	7	10
	2	Metal	S-UHS-5M	15½	1300	1¼	2⅝	3	7	10
	2½	Metal	S-UHD-5M	35½	2500	2¼	3⅞	3	7⅞	10⅞

● 3" heavy steel pipe is recommended for mounting UHD models, 2" Schedule 40 steel pipe for UHS models.

## Floor Truck Locks

Hamilton Floor Truck Locks represent an easy, low cost method of preventing cast-er equipment from accidentally rolling away from its desired position.

Depressing the foot pedal on one side forces the spring-loaded Neoprene brake shoe against the floor under compression. Stepping on the opposite pedal retracts the mechanism.

Hamilton Floor Locks are available in the four standard heights shown to match most popular caster heights. To match heights not shown, an economical solution is to buy the next shorter lock and "shim up" the mounting plate. If quantity warrants, however, special height locks can be produced. Attractive bright zinc plated finish is provided on all standard locks.

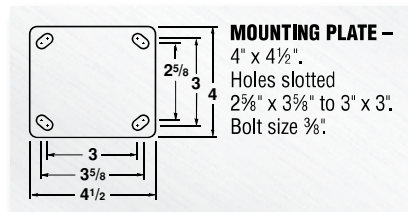


**NOTE:** Locks are not designed to lift equipment off the floor, nor to serve as a brake to stop or slow down moving equipment.



★ = same day/next day PRONTO® shipment.

Wheel Size	Extended Overall Height	Retracted Height	Hamilton Model No.
4	5⅝	4⅝	★TL-4J
5	6½	5½	★TL-5J
	6¾	5¾	★TL-55J*
6	7½	6½	★TL-6J
	7¾	6¾	★TL-65J*
8	9½	8½	★TL-8J
	9¾	8¾	★TL-85J*



\* Floor Lock with ¼" shim plate.

Trailers & Couplers



**Caster Steer Trailers**  
Cap. 2,000 to 4,000 Lbs.  
Deck Size (Specify)  
Page 98



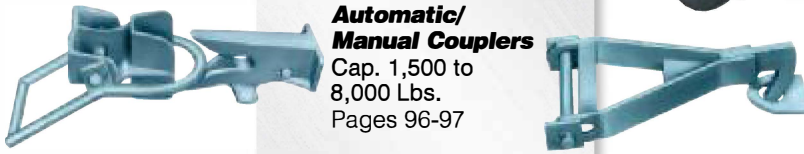
**Auto Steer Trailers**  
Cap. to 100,000 Lbs.  
Deck Size (Specify)  
Page 100



**Four Wheel Steer Trailers**  
Cap. to 100,000 Lbs.  
Deck Size (Specify) Page 97



**Fifth Wheel Steer Trailers**  
Cap. to 10,000 Lbs.  
Deck Size (Specify)  
Pages 100-102



**Automatic/  
Manual Couplers**  
Cap. 1,500 to  
8,000 Lbs.  
Pages 96-97

Platform Trucks



**Wood Platform Trucks**  
Cap. to 2,000 Lbs.  
Deck Size 30 x 42" to 36 x 72"  
Pages 108-110, 113



**Eleva-Trucks**  
Cap. 1,500 to 4,000 Lbs.  
Deck Size 42 x 84" to  
48 x 96"  
Page 99



**Wood/Steel  
Platform Trucks**  
Cap. to 5,000 Lbs.  
Deck Size 24 x 36" to  
30 x 60"  
Pages 107,109-111



**Steel Platform Trucks**  
Cap. to 5,000 Lbs.  
Deck Size 24 x 36" to  
30 x 60"  
Pages 107, 110, 112, 114

### Hand Trucks



**Steel Hand Trucks**  
Cap. to 500 Lbs.  
Page 116



**Stainless Steel Hand Truck**  
Cap. to 500 Lbs.  
Page 116



**Aluminum Hand Trucks**  
Cap. to 500 Lbs.  
Converts to Platform Truck  
Page 117



**Drum Handling Equipment**  
Cap. to 1,000 Lbs.  
Page 119



### Specialty Trucks

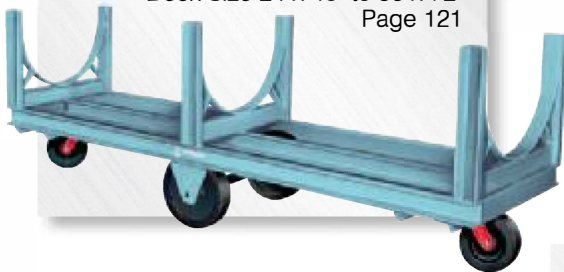
**Wood/Steel Dollies**  
Cap. to 4,000 Lbs.  
Size 16 x 27" to 36 x 24"  
Page 105



**Wagon Trucks**  
Cap. to 2,000 Lbs.  
Deck Size 30 x 42" to 36 x 72"  
Page 103



**Material Handling Trucks**  
Cap. to 2,050 Lbs.  
Deck Size 24 x 48" to 36 x 72"  
Page 121



**Pry Bars  
Lever Dollies**  
Cap. to 5,000 Lbs.  
Page 118



**Shelf Trucks**  
Cap. to 1,000 Lbs.  
Deck Size 24 x 36" to 30 x 60"  
Pages 120-121



**Chair/Table Trucks**  
Size (Specify)  
Page 104



**A-Frame Trucks**  
Cap. to 2,000 Lbs.  
Page 115



**VALUE: Lowest cost in the long run**

Floor Trucks and Trailers that are going to perform best and last longest may sometimes cost a little more to buy. But they almost always provide the *lowest cost in the long run*. Longer life, less downtime, lower maintenance and repair cost, and greater productivity far outweigh initial cost savings.

While Hamilton products have long been respected for the quality materials and skilled workmanship they exhibit, their success begins with design expertise. Unprofessional designs, on the other hand, often result in trucks that are inefficient, awkward, or even unsafe. Perhaps the most penny-wise, pound-foolish mistake of all is seen in trucks that have been equipped with casters and wheels of inferior quality; for how can a vehicle be any better than the running gear that gives it mobility?

**ERGONOMICS**

Before using the selection chart on page 13, we have one suggestion for the specifier or buyer of wheeled equipment. This is awareness of the importance of rollability, which can be defined as the ease of starting and moving a loaded vehicle. Rollability will be affected by weight of the load, floor conditions, size and type of wheels and bearings, and of course, whether movement is to be manual or power-assisted. All other things being equal, a larger diameter wheel will generally roll more easily. Soft rubber treads—the quietest and the kind needed when floors are rough and littered—unfortunately produce the poorest rollability. So, oftentimes the wheel selected must represent a compromise; the phenolic “Plastex” Wheel, for example, rolls easily and is economical, but may be too hard or too noisy for some applications. Polyurethane wheels combine certain advantages of both...but at a higher price.

**CAPACITY RATINGS**

Except where otherwise indicated, capacity ratings shown in this catalog reflect wheel and caster ratings established by the Institute of Caster Manufacturers for 3 m.p.h. intermittent operation over relatively smooth floors. Although ratings include a safety factor for normal applications, you should choose extra capacity if shock loading, overloading, powered movement, rough surfaces, or unfavorable conditions are apt to be encountered. Remember, too: capacity ratings are often established differently by different manufacturers. *so ratings should never be used in place of specifications for making comparisons.*

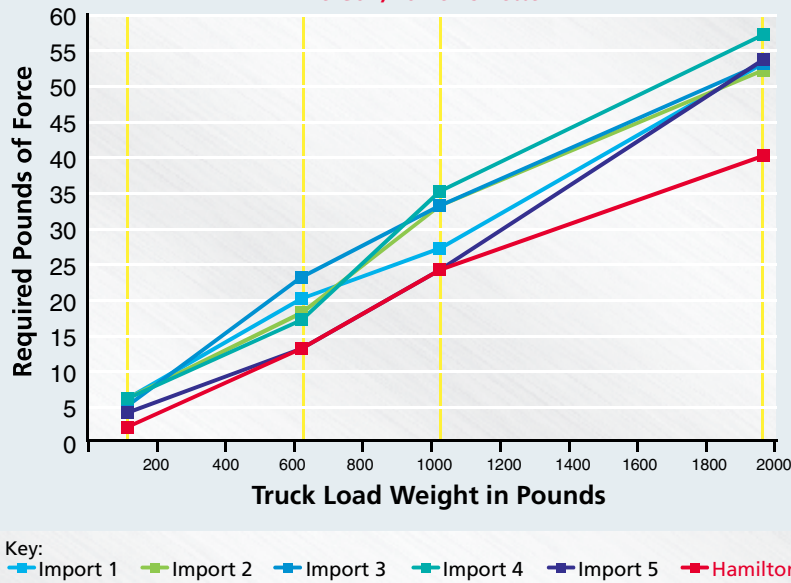
**“JOB-BUILT” SPECIALS**

The most efficient answer to your material handling problem could be a unit somewhat different in configuration, size or capacity from the many standard models shown in this catalog. Hamilton excels in the design and manufacture of custom-engineered trucks and trailers. Our complete machine shop, metalworking department, woodworking facilities, and contiguous caster and wheel plant enable us to produce exactly what you need, and at competitive prices. Catalog pages 112 and 113 show just a few of the many “Job-Built” Trucks we’ve built over the years.

**Why Running Gear Matters**

All five of the wheels tested were 8" x 2" moldon-rubber tires on cast iron centers on our PB1108 platform truck. As you see, the pounds force necessary to start a loaded truck in motion varies tremendously from wheel to wheel. Since Hamilton uses a premium rubber, rollability is significantly better than all the other wheels tested. Fully loaded, it takes 25% less force to start the truck with Hamilton wheels than the BEST of the five competitor wheels. Avoiding a back injury or other strain could pay for your Hamilton truck many times over.

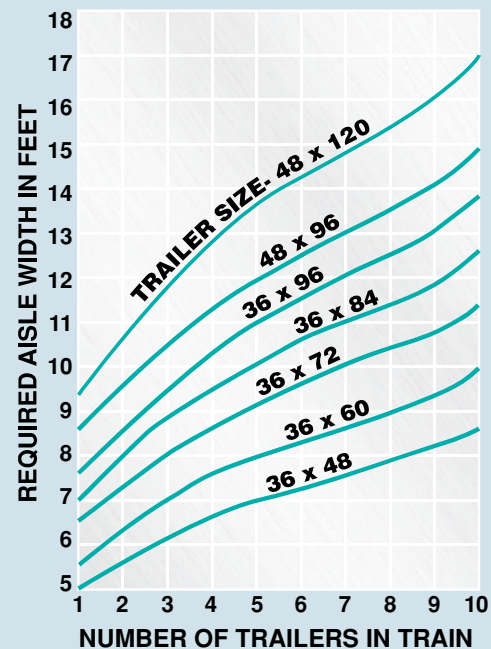
**Pounds of Pull to Start-up**  
*Like Golf, Lower is Better*



**AISLE WIDTH GRAPH**

This graph shows 90° intersecting aisle requirements for selected sizes of caster-steer trailers. Included is a safety factor of 10% or 6" (whichever is greater), to allow for wall clearance and driver error.

The findings herein result from a technical report entitled, “How To Know They’ll Trail,” sponsored by Hamilton. This report details a nomograph method for quickly determining aisle requirements for any number of caster-steer trailers of any size.





### Sealed Wheel Bearings

Most trucks equipped with straight roller bearings or precision tapered bearings can be furnished with sealed bearings at modest extra cost. Seals prolong equipment life by keeping lubricant in, dirt out. See page 12 for more detailed information.



### Swivel Lock

Provides fingertip conversion of swivel caster into rigid caster when lock is engaged, and full-swiveling maneuverability when disengaged. See page 12 for more detailed information.



### Floor Truck Lock

Step on pedal to lock, opposite pedal to unlock. Neoprene friction base, under pressure from compression spring, keeps truck from moving. *Suitable for use on non-tilt trucks only.*

All steel construction, with fully protected enclosed springs. Bolts onto truck frame. Normal installation is to mount between front swivel casters; for severe applications may dual mount one lock on each side of truck. Not intended as a dynamic brake or for use on inclines. See page 89 for more detailed information.

## RUNNING GEAR ARRANGEMENTS



**4-Wheel Caster Steer** (2 swivel, 2 rigid). Most popular; easily turned or pushed straight, trails well.



**4-Wheel Diamond Pattern** (all rigid). Tilt-type, turns on center wheels. Lowest cost, suitable for light loads.



**6-Wheel Tilt or Non-Tilt** (4 swivel, 2 rigid). Recommended for heavy loads and extra long trucks. Turns in own length.



**4-Wheel Non-Tilt** (all swivel). Can be maneuvered in any direction. Ideal for confined areas, but needs swivel lock for straight-line steering.



**4-Wheel Diamond Pattern** (2 swivel, 2 rigid). Highly maneuverable. Usually tilt-type, can be non-tilt. Not recommended for ramps.



**Wagon (Fifth Wheel Steer).** Features large axle mounted wheels for heavy loads. Usually powered towed.

## RUBBER BUMPERS

### Doughnut Bumper

For use on ends of push handles (Styles D or E only). Size 3¼" diameter.



### Corner Bumper

Fastened securely to truck corners through steel insert. Measures 3" long x 1" wide x 7/8" thick to match strip bumper for continuous installation.



### Strip Bumper

Reinforced with durable insert and fastened to edges of truck frame. Size 1" wide x 7/8" thick to match corner bumpers.



## MATERIALS AND FINISHES

Besides the steel, wood and aluminum trucks shown in this catalog, Hamilton can also produce trucks of stainless steel or with special finishes. Standard colors for painted steelwork, unless otherwise indicated in specifications, are Hamilton Red for steel two-wheel trucks and drum handling equipment, and Hammertone Blue for others except as noted. Safety Orange is a no-extra-cost option on caster-steer trailers, if specified. Wood tops are sanded and varnished, unless quoted otherwise. For special colors or finishes, consult factory for extra cost.

## REPLACEMENT CASTERS, WHEELS AND PARTS

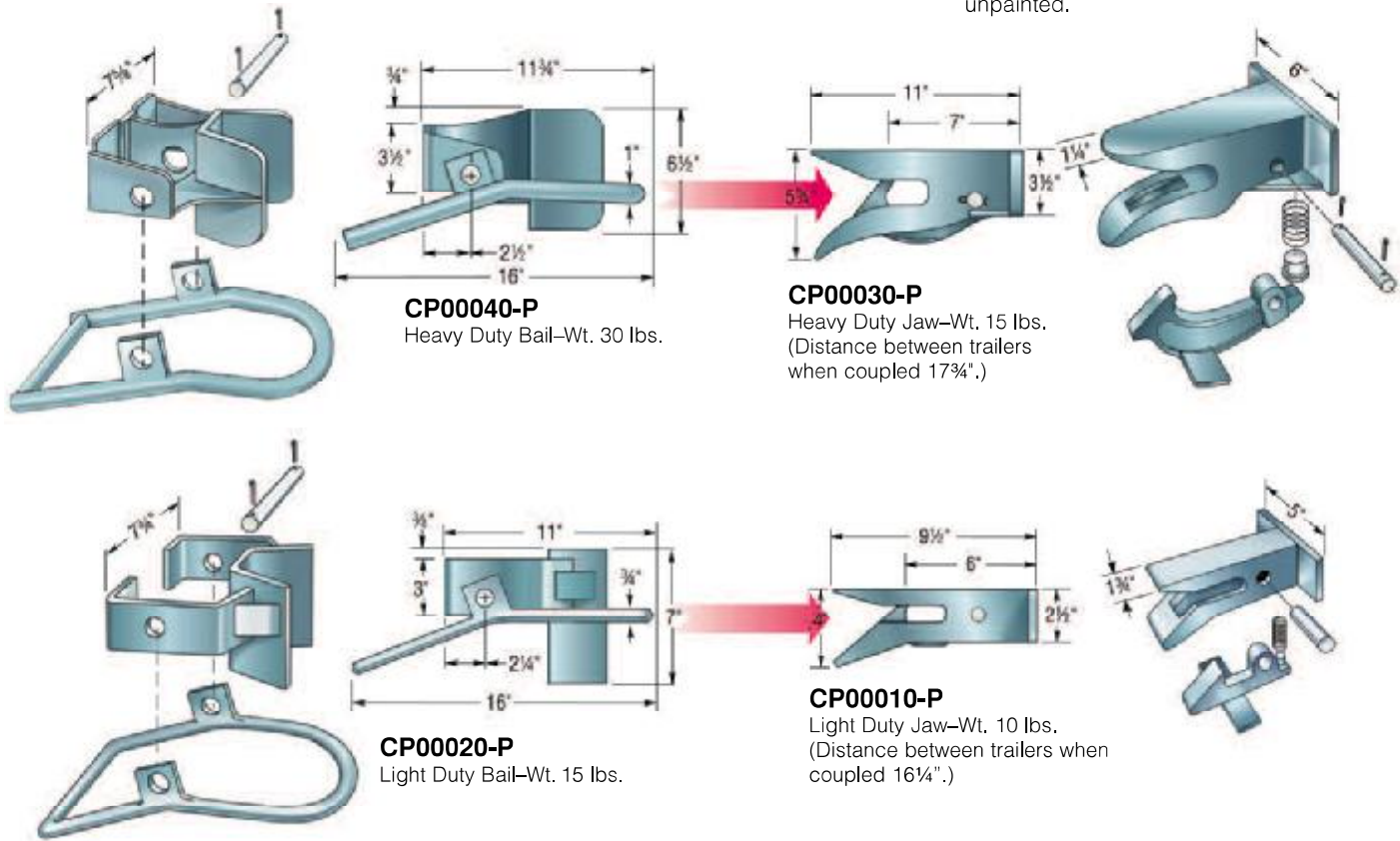
When you purchase a Hamilton Truck or Trailer, you do so with assurance a permanent record exists of its construction and specifications including exact model of caster, wheel and bearing supplied. This is true whether the product was standard or a "special" created just for you. As a result, it will be easy for you to order replacement parts at any time directly from the Hamilton Distributor nearest you.

Automatic Couplers

This is the automatic coupler almost universally seen on caster-steer trailers—interchangeable with most makes. Made in two capacities: the heavy duty

model for trailers of 3000-8000 lbs. capacity has steel bail and jaw sections; the light duty model for 1500-2500 lb. trailers has a fabricated bail section and smaller jaw assembly.

(Both are interchangeable with comparable competitive brands, but a light duty jaw will not accept a heavy duty bail.) Painted Hammertone Blue, specify if desired unpainted.

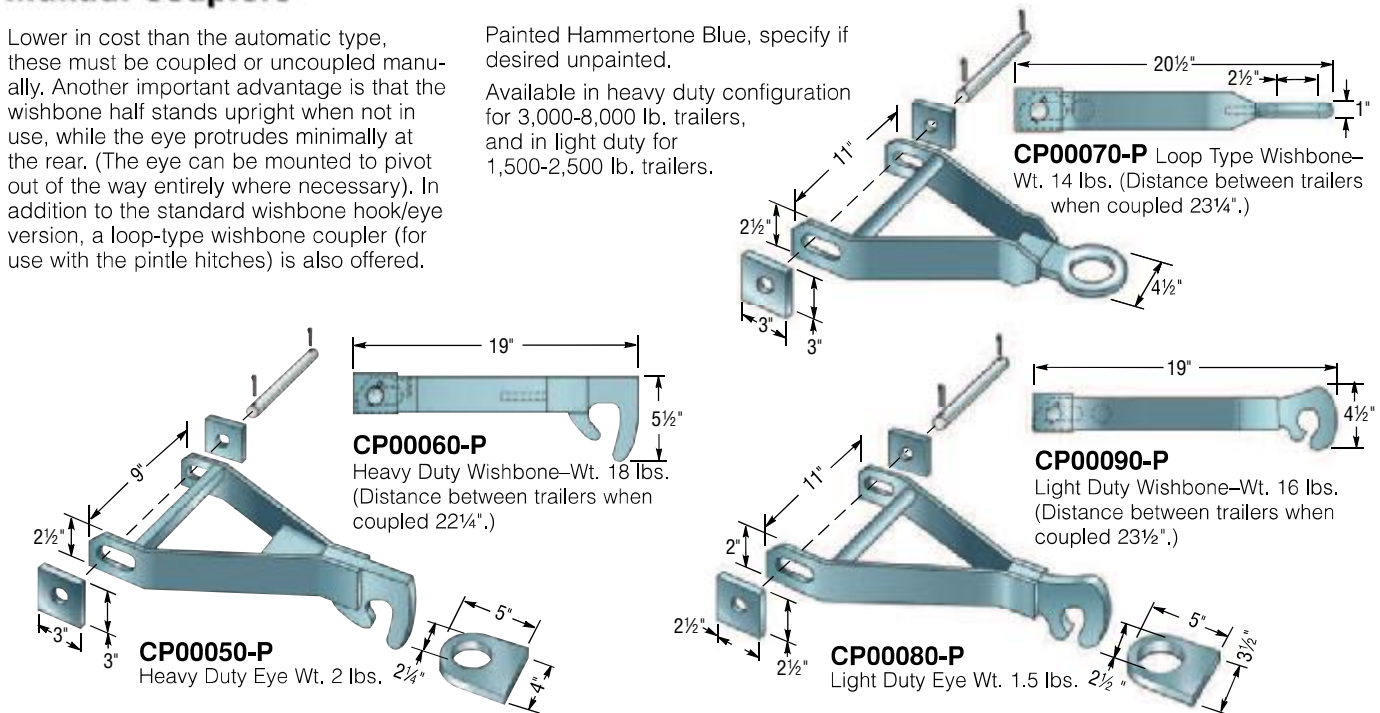


Manual Couplers

Lower in cost than the automatic type, these must be coupled or uncoupled manually. Another important advantage is that the wishbone half stands upright when not in use, while the eye protrudes minimally at the rear. (The eye can be mounted to pivot out of the way entirely where necessary). In addition to the standard wishbone hook/eye version, a loop-type wishbone coupler (for use with the pintle hitches) is also offered.

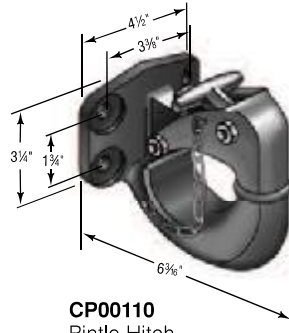
Painted Hammertone Blue, specify if desired unpainted.

Available in heavy duty configuration for 3,000-8,000 lb. trailers, and in light duty for 1,500-2,500 lb. trailers.

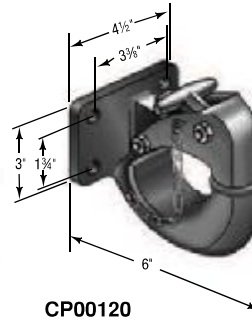


### LOOP AND PINTLE HITCH

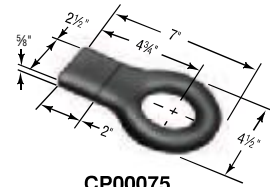
Wagon type trailers commonly employ a towing tongue with loop at the front, and a pintle hitch at the rear. Hamilton's loop is drop forged steel; the hitches are cast steel designed for trailer capacities to 10,000 lbs. (Model **CP00120**) and 30,000 lbs. (Model **CP00110**) respectively. Both hitches come with safety chain and pin. Painted Black.



**CP00110**  
Pintle Hitch  
Wt. 9 1/2 lbs.



**CP00120**  
Pintle Hitch Wt. 7 1/2 lbs.



**CP00075**  
Loop Wt. 4 1/4 lbs.

### ECONOMY BAIL

Available for use with the light duty jaw on trailers of 1,500 lbs. capacity or less is an "Economy" Bail, which utilizes a fixed, spring-loaded loop in lieu of the counter-weighted type. Because its vertical movement is limited, it should be used only on smooth, level floors.



**CP00100**  
Wt. 7 1/2 lbs.

**Four-Wheel-Steer Trailers**  
Capacity Range  
up to 100,000 lbs.



Hamilton Four-Wheel-Steer Trailers feature identical fifth-wheel-mounted axles at both ends connected by a steering rod. As the diagram indicates, turning the towing tongue causes the rear wheels to follow the front wheels through a nearly identical path... permitting use of more trailers and/or narrower intersecting aisles than either caster-steer or ordinary fifth-wheel-steer trailers.

A popular option on the four-wheel-steer trailer is a reversible towing tongue. Hounds at both ends of the trailer are fitted with quick-release pins that permit moving the towing tongue from one end to the other. This permits reversing direction of the trailer or train with no turn-around space. Note that if multiple reversible four-wheel-steer trailers are to be towed in train, they must be equipped with pintle hitches at both ends.

When requesting a quotation please advise: **Quantity—Capacity—Deck size and type (wood, steel, safety plate)—Wheel type or floor conditions—Superstructure, if any—Reversible towing, if desired—Pintle hitch at rear.**

**Caster-Steer Trailers**

**Capacity Range**  
**2,000 – 4,000 lbs.**



**CA1300**  
Capacity 3000-4000 lbs.  
Steel frame, hardwood deck.  
Heavy duty couplers.



**CA1310**  
Capacity 3000-4000 lbs.  
All steel construction.  
Heavy duty couplers.



**CA1108**  
Capacity 2000 lbs.  
Steel frame, hardwood deck.  
Some models PRONTO®.

**QUALITY FEATURES**

- Standard deck sizes: widths 30", 36", 42" or 48"; lengths 60", 72", 84", or 96". Special sizes available to suit.
- Standard running gears: **2,000 lbs. capacity**—Moldon Rubber wheels 12" x 3" on 1" dia. axle, swivel caster wheels 8" x 2", platform height 14". **3,000 lbs. capacity**—Moldon Rubber wheels 12" x 3" on a 1¼" dia. axle, swivel caster wheels 8" x 3", platform height 15¾". **4,000 lbs. capacity**—Moldon Rubber wheels 12" x 3½" on a 1¼" dia. axle, swivel caster wheels 10" x 3", platform height 15¾".
- Swivel casters drop-forged steel (80,000 psi tensile strength) with integrally forged kingpin, precision tapered thrust bearing and hardened ball raceways, unless otherwise specified.
- Casters bolted to structural steel cross bolsters.
- All corners mitered.
- Standard with one pipe rack 26" high above deck, and channel-reinforced external pipe sockets at swivel caster end. Additional rack(s), side sockets on request.
- Precision Ball or Tapered bearings in all wheels.
- Hardwood decks sanded and varnished; steelwork enameled Hammertone Blue (or Safety Orange if specified).

**UNIQUE SPECIFICATIONS**

**CA1300** Wood deck: 1" select hardwood set flush in 3" x 2" x ¼" steel angle frame with two 2" x 2" x ¼" center longitudinals.

**CA1310** All steel: 12 ga. deck welded to 3" channel frame and center longitudinal.

**CA1320** Wood deck: 1" select hardwood set flush in 2" x 2" x ¾" steel angle frame with full length 1" x 1" x ¾" center angle.

**CA1330** All steel: 12 ga. deck welded to 2" channel frame and center longitudinal.

*Models CA1320 and CA1330 are designed for up to 2,000 lbs. capacity.*

**CA1108** Wood deck: 1" select hardwood set flush in 2" x 1½" x ¾" steel angle frame. All wheels 8" x 2" with precision ball bearings.

**Series WH** casters bolted to ¾" steel angle cross bolsters. Removable pipe handle in sockets with set screws. All wheels 8" x 2". Platform height 11¾".

To order, specify model number and suffix

**CA1108 Trailer Selection Table**

Platform Size Inches	SELECTION SUFFIX				Approx. Weight Lbs.
	Duralast®	Polysoft®	Polylast Donut	Moldon Rubber †	
24 x 48	-8DB2448	-8SPB2448	-82AYB2448	-8RB2448	205
30 x 48	-8DB3048	-8SPB3048	-82AYB3048	-8RB3048	215
30 x 60	-8DB3060	-8SPB3060	-82AYB3060	-8RB3060	230
36 x 60	-8DB3660	-8SPB3660	-82AYB3660	-8RB3660	250
36 x 72	-8DB3672	-8SPB3672	-82AYB3672	-8RB3672	270

† Moldon Rubber wheels limit capacity to 1,600 lbs. with 6" wheels.



### Eleva-Truck Order Picking System

Capacity Range  
1,500 – 4,000 lbs.

#### QUALITY FEATURES

- Rugged design for safe, trouble-free operation
- Safety locking device for any make forklift
- Choice of platform sizes, wheels, racks and sockets

Greater strength, safer operation and adaptability to varying requirements has won preference for Hamilton's *ELEVA-TRUCK®* among material handling consultants and warehouse employees.

This four-wheel platform truck is specially designed for forklift "order selector" system that can cut stock-picking cost 50% or more. One worker achieves remarkable output, as the need to remove and respot entire pallet loads is eliminated. Instead *ELEVA-TRUCK®* accompanies the operator up to the merchandise, which is accumulated directly onto the deck. Thus more warehouse "cube" can be utilized by permitting retrieval of merchandise from high vertical racks.

Certain important features are required on this type of truck:

1. Sturdy, all-welded steel frame;
2. Longitudinal fork pockets under the deck afford maximum safety and strength;
3. Compatibility with forklift manufacturer's locking device;
4. Removable pipe rack(s) to fit into pipe sockets on the ends and/or sides of truck.

*ELEVA-TRUCK®* can be designed to fit any application, and they may also be equipped with couplers for towing.

#### COMMON SPECIFICATIONS

- Platform sizes to suit; popular widths 42" or 48", lengths 84" or 96".
- Capacities from 1,500 to 4,000 lbs.
- Wheels 6" or 8" Moldon Rubber or Polyurethane, in two swivel and two rigid casters to suit capacity.
- 10 ga. channel fork pockets sized and spaced for correct fork lift.
- Standard with one 36" high removable pipe rack in external sockets with set screws at swivel caster end. Additional racks or sockets if specified.

#### CAUTION!

Anyone working aboard a platform or cart elevated above floor level should wear a safety harness or similar device fastened to the powered forklift. It is the responsibility of the **USER** to insure safe operation of equipment in the workplace.



#### EW7100

Select hardwood deck in steel angle frame.

Internal sockets optional.

Shown with standard four-sided fork pockets.



#### EM7200

12 ga. steel deck on 2" channel frame.

External pipe sockets.

Shown with optional stirrup fork pockets.

To request quotation advise: **Quantity—Model No.—Capacity—Platform Size—Couplers—Type of wheels—Number and location of racks and sockets—Make and model of forklift—including fork dimensions, spacing and detail of locking device.**

**Auto-Steer Trailers**

Capacity Range  
up to 100,000 lbs.



**AU4620**  
Two- or Four-Wheel Automotive-Type steering.



Automotive-type steering improves trailer stability by keeping the wheels under the load at all times. Features no-offset, drop forged steel swivel casters with precision tapered bearings. Choice of smooth steel, safety plate or open frame deck. Forged steel towing loop standard at front, pintle hitch at rear optional extra.

To request quotation, advise: **Quantity—Capacity—Size—Type of Wheels—Couplers—Two-Wheel or Four-Wheel Steer.**

**Fifth-Wheel-Steer Trailers**

Capacity Range  
up to 100,000 lbs.

**FW4385/FM4390**  
Choice of hardwood deck or all steel.  
Single or dual-wheel models.



**QUALITY FEATURES**

- Engineered for power towing. Drop forged loop handle standard, heavy duty pintle hitch at rear extra-cost option.
- Rugged fifth wheel features low friction wear pad and precision tapered thrust bearing.
- Sizes: widths 42" x 84" minimum.
- Wheels equipped with precision tapered roller bearings.
- Woodwork sanded and varnished; steel-work enameled Hammertone Blue.

**FIFTH WHEEL CONSTRUCTION**



To request quotation, advise: **Quantity—Capacity—Type of Wheels—Size—Deck Type, Hardwood or Steel.**

**UNIQUE SPECIFICATIONS**

**FW4385** has 2" select hardwood deck fastened to steel channel frame with flush steel hold-down angles and countersunk bolts.

**FM4390** (shown) features smooth plate steel deck welded to reinforced structural steel frame (safety plate optional extra).

**WHEEL CHOICES** for more help, see pages 14 & 15



**Duralast®:**  
95A poly on iron — our standard urethane



**Superlast®:**  
95A 1" thick poly/super duty forged steel center



**Press On:**  
Rubber tread, steel rim, pressed onto cast iron center

#### QUALITY FEATURES

- Designed for power towing. Drop forged loop handle standard, rear pintle hitch extra-cost option.
- 14" square fifth wheel features low friction wear pad and 1 1/4" precision thrust bearing.
- Capacity 6,000 lbs. with single Moldon Rubber wheels, 9,000 lbs. with dual Pneumatics, and 10,000 lbs. with single *Duralast*®, dual Moldon Rubber wheels, or Solid Pneumatic tires.
- 1 1/4" precision tapered roller bearings with lube fittings rotate on 1 1/4" diameter axles.
- Woodwork sanded and varnished; steel-work enameled Hammertone Blue.

**FW4345**  
Hardwood deck, steel frame.



#### UNIQUE SPECIFICATIONS

**FW4345** has 1 1/2" select hardwood deck with flush steel hold-down angles fastened to steel channel frame with countersunk bolts. Deck height 21 1/2" with 12" dia. wheels, 25 1/4" with Pneumatic-tired wheels.

**FM4350** has smooth 3/8" steel deck welded to reinforced steel channel frame (safety plate optional extra). Deck height 20 1/4" with 12" dia. wheels, 24" with Pneumatic-tired wheels.

**FM4350**  
All steel construction.



#### FIFTH WHEEL CONSTRUCTION



#### Trailer Selection Table

Platform Size Inches	SELECTION SUFFIX					Approx. Weight Lbs.
	Moldon Rubber Wheels 12" x 4"		<i>Duralast</i> ® Wheels 12" x 4"	Pneumatic Rubber Tires 16 x 4.80-8 6-ply Dual-8 Wheels	Solid Pneumatic Tires	
	Single-4 Wheels	Dual-8 Wheels				
42 x 84	-RT4284	-RRT4284	-DT4284	-PRT4284	-SPRT4284	775
48 x 84	-RT4884	-RRT4884	-DT4884	-PRT4884	-SPRT4884	805
42 x 96	-RT4296	-RRT4296	-DT4296	-PRT4296	-SPRT4296	800
48 x 96	-RT4896	-RRT4896	-DT4896	-PRT4896	-SPRT4896	850
48 x 108	-RT48108	-RRT48108	-DT48108	-PRT48108	-SPRT48108	900
60 x 108	-RT60108	-RRT60108	-DT60108	-PRT60108	-SPRT60108	1000
60 x 120	-RT60120	-RRT60120	-DT60120	-PRT60120	-SPRT60120	1075
60 x 144	-RT60144	-RRT60144	-DT60144	-PRT60144	-SPRT60144	1200

To order, specify model number and suffix

#### WHEEL CHOICES for more help, see pages 14 & 15



**Duralast®:**  
95A poly on iron – our standard urethane



**Moldon Rubber:**  
1" thick 70D rubber, tensile strength exceeds 1,000 psi



**Pneumatic Rubber tires:**  
Rubber tread



**Solid Pneumatic Rubber tires**

**Fifth-Wheel-Steer Trailers**

Capacity Range  
up to 5,000 lbs.



**FW4365**  
Steel frame, hardwood deck.



**FM4370**  
All steel construction.



**QUALITY FEATURES**

- Engineered for power towing. Drop forged loop handle standard, rear pintle hitch optional extra.
- 14" square fifth wheel features low friction wear pad and 1¼" precision thrust bearing.
- Choice of 12" or 16" diameter wheels rolling on 1" steel axles.
- Precision tapered roller bearings standard in all wheels.

**UNIQUE SPECIFICATIONS**

**FW4365** has 1" hardwood deck set flush in ¼" steel angle frame with reinforcing steel center longitudinal.

**FM4370** has smooth 12 gauge steel deck welded to steel channel frame and reinforcing steel center longitudinal.

**FIFTH WHEEL CONSTRUCTION**



To order, specify model number and suffix.

**WHEEL CHOICES** for more help, see pages 14 & 15



**Duralast®:**  
95A poly on iron – our standard urethane



**Moldon Rubber:**  
1" thick 70D rubber, tensile strength exceeds 1,000 psi



**Pneumatic Rubber tires:**  
Rubber tread



**Poly-Soft®:**  
85A softer poly on iron – quieter, easy rolling, debris resistant urethane

**Trailer Selection Table**

Platform Size Inches	SELECTION SUFFIX					Approx. Weight Lbs.
	Wheels 12" dia., deck height 19"			Wheels 16" dia., deck height 24"		
	Moldon Rubber 12" x 3"†	Duralast® 12" x 3"	Poly-Soft® 12" x 3"	Moldon Rubber 16" x 3"	6-ply Pneumatic Tires 4.80-8†	
36 x 60	-12RT3660	-DT3660	-SPT3660	-16RT3660	-PRT3660	360
36 x 72	-12RT3672	-DT3672	-SPT3672	-16RT3672	-PRT3672	375
36 x 84	-12RT3684	-DT3684	-SPT3684	-16RT3684	-PRT3684	390
36 x 96	-12RT3696	-DT3696	-SPT3696	-16RT3696	-PRT3696	585
42 x 84	-12RT4284	-DT4284	-SPT4284	-16RT4284	-PRT4284	420
42 x 96	-12RT4296	-DT4296	-SPT4296	-16RT4296	-PRT4296	450
48 x 84	-12RT4884	-DT4884	-SPT4884	-16RT4884	-PRT4884	450
48 x 96	-12RT4896	-DT4896	-SPT4896	-16RT4896	-PRT4896	480

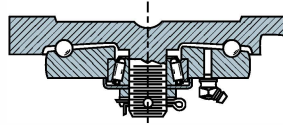
† 12" x 3" Moldon Rubber and Pneumatic tires limit capacity to 4,500 lbs. Consult factory for solid pneumatic tires which have higher capacity rating.

## Wagon Trucks—Manual Operation

Capacity Range  
1,500 – 2,000 lbs.

### QUALITY FEATURES

- Four wheels—10" x 2½" Metal, Moldon Rubber or *Plastex*—or 4-ply Pneumatic 12 x 4.10-6, with roller bearing and lube fittings. Axle diameter 1".
- Furnished with T-handle grip; loop available at slight extra cost.
- Platform height 15¼" with 10" wheels, 16½" with Pneumatics (excluding 1" lip on FM4200).



Drop forged steel fifth wheel with main load ball race plus tapered thrust bearing over integrally forged 1" kingpin.

★ **FM4200**  
Lip turned up 1".



### UNIQUE SPECIFICATIONS

**FM4200** has 12 ga. steel deck (edges turned up 1" unless specified "with flush deck") welded to 2" channel frame and reinforcing center longitudinal.

**FW4215** has 1" hardwood deck set flush in 2" x 2" x ¾" steel angle frame with reinforcing center longitudinal.

★ = two-day

**PRONTO**® shipment.

### FM4200, FW4215 Selection Table

Platform Size Inches	SELECTION SUFFIX				Approx. Weight Lbs.
	Wheels 10" x 2½"			Pneumatic Tires 12 x 4.10-6	
	Metal	Moldon Rubber	Plastex		
30 x 48★	-M3048★	-R3048★	-P3048★	-PR3048★	195
30 x 60	-M3060	-R3060	-P3060	-PR3060	215
36 x 60	-M3660	-R3660	-P3660	-PR3660	235
36 x 72	-M3672	-R3672	-P3672	-PR3672	265

To order, specify model number and suffix.

### WHEEL CHOICES for more help, see pages 14 & 15



**Metal:**  
cast iron, heavy duty design



**Plastex:**  
phenolic, low cost, high capacity



**Pneumatic Rubber tires:**  
Rubber tread



**Moldon Rubber:**  
1" thick 70D rubber, tensile strength exceeds 1,000 psi

### QUALITY FEATURES

- Select hardwood construction for 1,500 lbs. capacity.
- Friction-type 6" diameter fifth wheel with T-handle grip.
- Front axle 1¼" square with ends turned to 1", rear axle 1" round.
- Wheels equipped with straight roller bearings and lube fittings.

### FW4548, FW3548 Selection Table

Platform Size Inches	SELECTION SUFFIX			Approx. Wt. Lbs. Without Sides
	Wheels 8" x 2"		Pneumatic Tires 12 x 4.10-6	
	Moldon Rubber	Plastex		
30 x 42	-8R3042	-8P3042	-12PR3042	180
30 x 48	-8R3048	-8P3048	-12PR3048	190
30 x 60	-8R3060	-8P3060	-12PR3060	200

To order, specify model number and suffix.

**FW4215**  
Flush hardwood deck.



**FW4548**  
Without sides.



**FW3548**  
Convertible maintenance wagon with 12" high removable sides.



**Semi-Live Skid System**

Capacity Range  
up to 2,500 lbs.



**LJ700 Lift Jack**  
8" x 2" or 8" x 2½" wheels.



**SB715**  
Select hardwood deck  
in steel frame.

**QUALITY FEATURES**

- Steel pipe handle welded to hook and axle housing (designed only for use with Model SB715 or SM720 Skid Trucks).
- Comfortable vinyl handle grips.
- Maintenance-free; no springs or troublesome parts.
- Stands upright when not in use.
- Specify with 8" x 2" or 8" x 2½" wheels to match size and type on skid trucks.

Shippable via **UPS**.

To order, specify model number and suffix.

**Lift Jack Selection Table**

Wheel Size	SELECTION SUFFIX			Approx. Weight Lbs.
	Metal	Moldon Rubber	Plastex	
8" x 2"	-8M	-8R	-8P	30
8" x 2½"	-85M	-85R	-85P	35

**WHEEL CHOICES** for more help, see pages 14 & 15



**Metal:**  
cast iron, heavy duty design



**Plastex:**  
phenolic, low cost, high capacity



**Moldon Rubber:**  
1" thick 70D rubber, tensile strength exceeds 1,000 psi

**QUALITY FEATURES**

- Flush 1" select hardwood deck in ¾" steel angle frame.
- Integrally welded steel front leg assembly and rear wheel assembly.
- Choice of 8" x 2" or 8" x 2½" wheels having roller bearings and lube fittings.
- Platform height 12½".
- Capacity 1,500 lbs. with 8" x 2" Moldon Rubber wheels to 2,500 lbs. with 8" x 2½" Metal or Plastex wheels.

**Skid Selection Table**

Platform Size Inches	SELECTION SUFFIX						Approx. Weight Lbs.
	Metal Wheels		Moldon Rubber		Plastex Wheels		
	8" x 2"	8" x 2½"	8" x 2"	8" x 2½"	8" x 2"	8" x 2½"	
24 x 48	-8M2448	-85M2448	-8R2448	-85R2448	-8P2448	-85P2448	100
30 x 48	-8M3048	-85M3048	-8R3048	-85R3048	-8P3048	-85P3048	110
30 x 60	-8M3060	-85M3060	-8R3060	-85R3060	-8P3060	-85P3060	125
36 x 60	-8M3660	-85M3660	-8R3660	-85R3660	-8P3660	-85P3660	150
36 x 72	-8M3672	-85M3672	-8R3672	-85R3672	-8P3672	-85P3672	165

**Chair and Table Trucks**



**Model FC60** (60" long) provides economical chair handling for convention halls, hotels, churches and other institutions.

Complementing table trucks are available in flat or edge storing styles, 30" wide x 72" long x 35" high. Materials and casters are same as chair trucks. Specify **FS3072** for flat storing or **ES3072** for edge storing type. Weight 80 lbs.

**QUALITY FEATURES**

- All welded frame of steel angle with two removable end rails 30" high above frame.
- Four swivel casters with 3½" *Ebonite* wheels. Two extra rigid casters provide center support on models **FC84** and **FC96**.

### Steel & Wood Dollies Capacity Range 600 – 5,000 lbs.

### Heavy Duty Dollies

Ideal for handling large rolls of paper or other cylindrical objects. Size 36" long x 24" wide x 15¾" high to bottom of concave. Frame of 6" x 4" x 3/8" steel angle encasing hardwood contact blocks. Four plate steel rigid casters with 8" x 2½" roller bearing wheels. Balances on two center casters for maneuverability. Weight 275 lbs.

DW245-M with Metal wheels.  
DW245-P with *Plastex* wheels.



**DB245**  
Capacity 4,000 lbs.

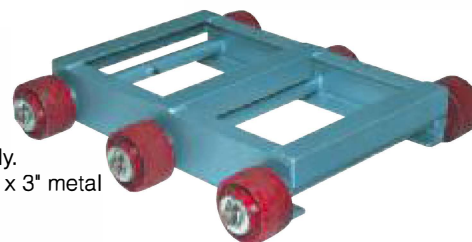
**DB273**  
Capacity 3,000 lbs.

Hardwood contact boards are bolted to a heavy-duty frame of 3" x 2" x 1¼" steel angle. Size 18" wide x 24" long x 7½" high. Four swivel casters, with 5" x 2" roller bearing *Plastex* wheels. Weight 67 lbs.



**DM261**  
Capacity 5,000 lbs.

Heavy duty all purpose dolly. 15" x 24" steel frame, six 4" x 3" metal wheels roll on 1" axles.



### Drum Dollies

Rugged frame of ¼" x 3" steel. Four swivel casters bolted on. Inside diameter 23½". Load height of DM232 is 3½". Load height of DM233 is 4¼". Weight 30 lbs.

**DM232-EO** with 3" x 1¼" *Ebonite* wheels, cap. to 800 lbs.

**DM232-M** with 3" x 1¼" Metal wheels, cap. to 1,000 lbs.

**DM233** with 3" x 1¼" *Plastex* wheels, cap. to 1,200 lbs.

★ *Shippable PRONTO®* via UPS.

★ **DM232 & DM233**  
Capacity 1,200 lbs.



The cross-frame design of Models DM232 and DM233 makes it easy to load drums on and off—no need to lift them over a circular rim as on some models. Both models accommodate standard 55-gal. and 30-gal. drums.



### Wood Dollies

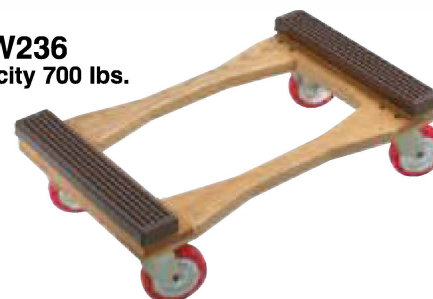
Mover's dolly size 18" wide x 30" long x 6½" high features hardwood construction with non-marking rubber end caps to protect load. Contoured side rails enable easy carrying. Equipped with four swivel casters with choice of 3½" diameter wheels. Weight 28 lbs.

★ *Shippable PRONTO®* via UPS.

DW236-EO with oilless bearing *Ebonite* wheels.

DW236-NF with ball bearing *Poly-Tech®* wheels.

★ **DW236**  
Capacity 700 lbs.



Flush deck of 1½" x 5" hardwood, open frame. Two sizes: 16" x 27" or 20" x 30". DW243 has four swivel casters with 3" diameter wheels—overall height 5½". Weight 25 lbs. DW244 has four swivel casters with 4" diameter wheels—overall height 6¾". Weight 30 lbs.

★ *Shippable PRONTO®* via UPS.

DW243-E or DW244-E with *Ebonite* wheels.

DW243-M or DW244-M with Metal wheels.

Specify size.

★ **DW243**  
Capacity 700 lbs.

★ **DW244**  
Capacity 1,000 lbs.



Nomenclature & Styles of Superstructures

Model (Series) Number

Selection Suffix- found in Selection Tables

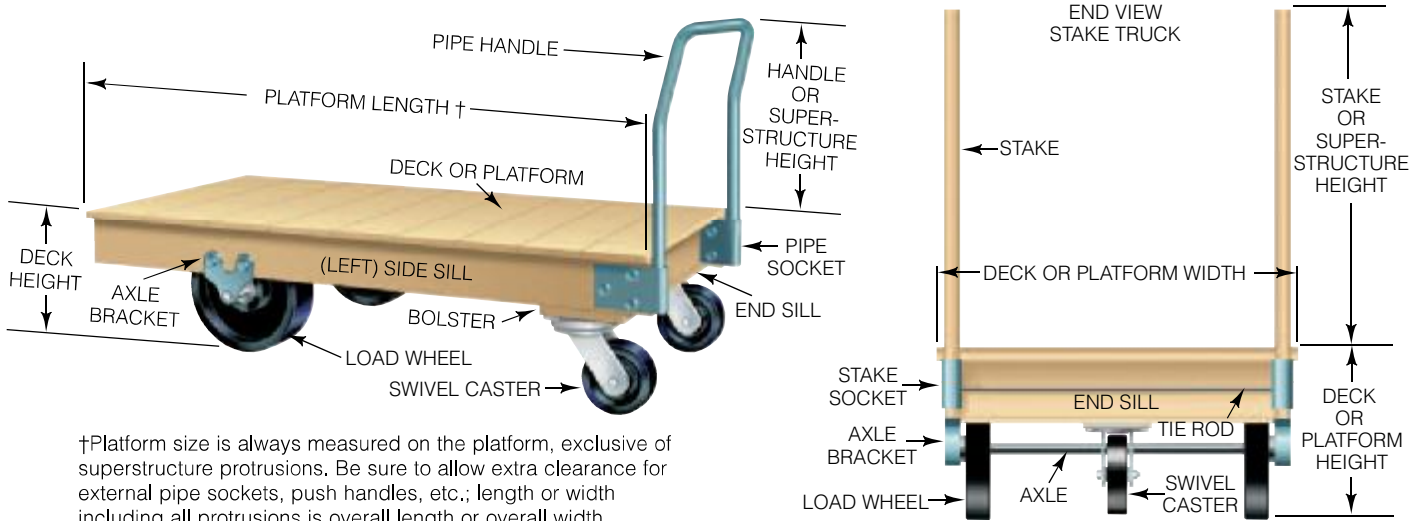
NUMBERING SYSTEM

PW800 - M - M3060

Style of superstructure; M indicates four wood stakes (See Below).

Type of wheels— here Metal

Platform size (width x length) in inches—here, 30" wide x 60" long.



STYLES OF SUPERSTRUCTURES

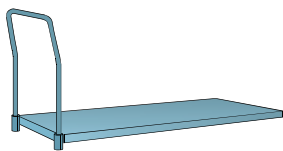
For carrying certain materials, standard flat trucks are often made safer, more convenient and more efficient by changing or adding handles or racks (superstructures).

Not every platform truck listed in the following pages can be furnished in every

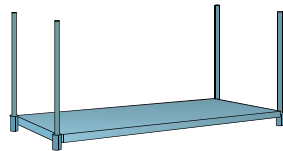
style. See the individual pages for listing of alternate styles available, if any; and see the price list for applicable addition or deduction of list price in each case.

When adding to superstructure, remember to allow clearance for increases in over-

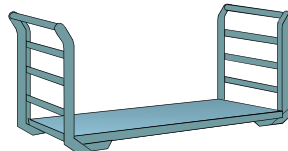
all length or width caused by external pipe sockets, offset handles or racks, etc. Of course, styles of superstructures other than those shown here are also available—see pages 112-113.



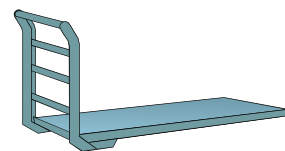
**Style A.** One removable pipe handle 26"† high above deck.



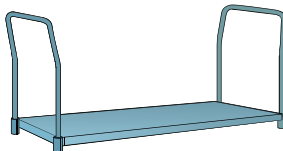
**Style C.** Four removable pipe stakes 26"† high above deck.



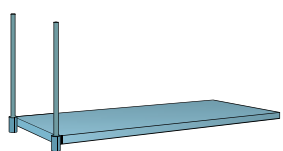
**Style D.** Two bolted on steel racks 28"† high above deck.



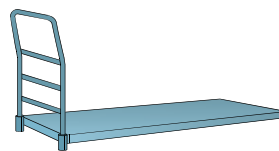
**Style E.** One bolted on steel slatted rack 28"† high above deck.



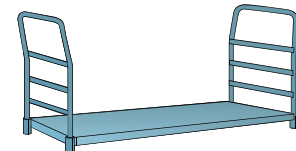
**Style F.** Two removable pipe handles 26"† high above deck.



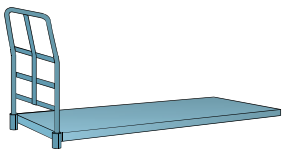
**Style G.** Two removable pipe handle 26"† high above deck.



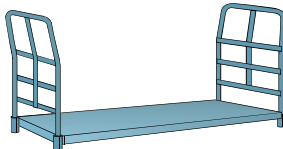
**Style H.** One removable slatted pipe handle 26"† high above deck.



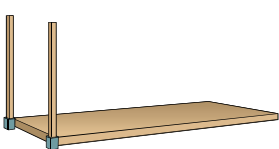
**Style I.** Two removable steel slatted pipe handles 26"† high above deck.



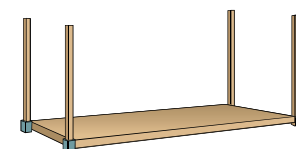
**Style J.** One removable steel latticed pipe handle 26"† high above deck.



**Style K.** Two removable steel latticed pipe handles 26"† high above deck.



**Style L.** Two removable hardwood stakes 29"† high above deck.



**Style M.** Four removable hardwood stakes 29"† high above deck.

† Certain exceptions occur on a few models, and variations of more than 1" are spelled out on individual specifications.



**Platform Trucks**  
Capacity Range  
4,000 – 5,000 lbs.



**PW907-A**  
Narrow track to fit scales.



**PM5600-A**  
Heavy duty, all steel.

To order, specify model number and suffixes.

**PW907 & PM5600 Selection Table**

Platform Size Inches	SELECTION SUFFIX								
	Wheels 16" x 3" and 10" x 3" Platform Height 17 <sup>3</sup> / <sub>4</sub> "				Wheels 18" x 3" and 12" x 3" Platform Height 18 <sup>3</sup> / <sub>4</sub> "				
	Metal	Moldon Rubber	Plastex	Weight Lbs.		Metal	Moldon Rubber	Weight Lbs.	
Model PW907				Model PM5600	Model PW907			Model PM5600	
30 x 60	-16M3060	-16R3060	-16P3060	270	320	-18M3060	-18R3060	325	340
36 x 60	-16M3660	-16R3660	-16P3660	285	350	-18M3660	-18R3660	340	370
36 x 72	-16M3672	-16R3672	-16P3672	300	365	-18M3672	-18R3672	355	395
36 x 84	-16M3684	-16R3684	-16P3684	320	390	-18M3684	-18R3684	375	420
36 x 96	-16M3696	-16R3696	-16P3696	X	405	-18M3696	-18R3696	X	435
42 x 72 <sup>‡</sup>	-16M4272	-16R4272	-16P4272	X	385	-18M4272	-18R4272	X	415
42 x 84 <sup>‡</sup>	-16M4284	-16R4284	-16P4284	X	415	-18M4284	-18R4284	X	445
48 x 84 <sup>‡</sup>	-16M4884	-16R4884	-16P4884	X	470	-18M4884	-18R4884	X	480

<sup>‡</sup> PM5600 only.

### QUALITY FEATURES

- Load wheels 16" x 3" for 4,000 lbs. capacity, or 18" x 3" for 5,000 lbs. capacity, on 1<sup>1</sup>/<sub>4</sub>" dia. common axle.
- Forged steel swivel casters #S-CH-12 with 10" x 3" wheels for 4,000 lbs. capacity, or #S-CH-12 with 12" x 3" wheels for 5,000 lbs. capacity
- Roller bearings and lube fittings in all wheels.

### UNIQUE SPECIFICATIONS

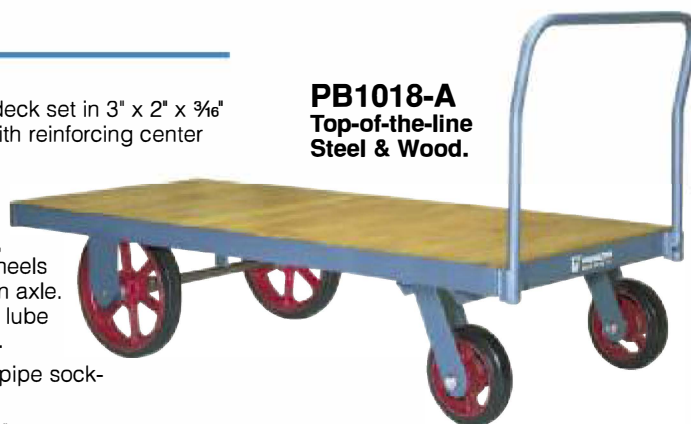
**PW907** has 1" select hardwood deck and 2" x 4" hardwood frame with reinforcing center longitudinal. Rounded corners and internal pipe sockets at both ends. Available with Superstructure Styles A, C, F, G, H, I, J, and K.

**PM5600** has 12 ga. smooth steel deck welded to 3" steel channel frame and reinforcing center longitudinal. Mitered corners at both ends. Available with Superstructure Styles A, G, H, and J.

### QUALITY FEATURES

- Flush 1" hardwood deck set in 3" x 2" x 3/16" steel angle frame with reinforcing center longitudinal.
- Forged steel swivel casters #S-CH-12 with 10" x 3" wheels, and 16" x 3" load wheels on 1<sup>1</sup>/<sub>4</sub>" dia. common axle. Roller bearings and lube fittings in all wheels.
- Channel-reinforced pipe sockets with set screws.
- Platform height 17<sup>3</sup>/<sub>4</sub>".
- Capacity 4,000 lbs.

Available with Superstructure Styles A, G, H, and J.



**PB1018-A**  
Top-of-the-line  
Steel & Wood.

**PB1018 Selection Table**

Platform Size Inches	SELECTION SUFFIX			Approx. Weight Lbs.
	Metal	Moldon Rubber	Plastex	
30 x 60	-M3060	-R3060	-P3060	290
36 x 60	-M3660	-R3660	-P3660	305
36 x 72	-M3672	-R3672	-P3672	325
36 x 84	-M3684	-R3684	-P3684	350
42 x 72	-M4272	-R4272	-P4272	390
42 x 84	-M4284	-R4284	-P4284	415
42 x 96	-M4296	-R4296	-P4296	445

To order, specify model number and suffixes.

### WHEEL CHOICES for more help, see pages 14 & 15



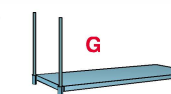
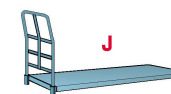
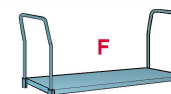
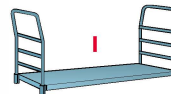
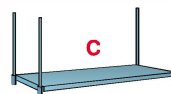
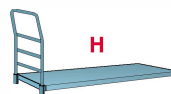
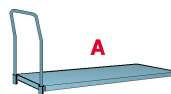
**Metal:**  
cast iron, heavy duty design



**Plastex:**  
phenolic, low cost, high capacity



**Moldon Rubber:**  
1" thick 70D rubber, tensile strength exceeds 1,000 psi



**Tilt-Type Platform Trucks**

**Capacity Range**

**2,200 - 3,500 lbs.**

**QUALITY FEATURES**

- Sanded and varnished deck of 1" select hardwood on 2" x 6" side sills; cross bolsters 1 1/4" hardwood.
- Countersunk screw nails; lock washers on all bolts.
- Reinforcing steel tie rod across each end.
- Heavy duty cast stake sockets and axle brackets.
- Load wheels 12" x 2 1/2" on 1" diameter axle with 6" x 2" end casters, or 16" x 3" on 1" diameter axle with 8" x 2" end casters.
- Roller bearings and lube fittings in all wheels.
- Platform height 16 1/4" with 12" and 6" wheels, 18 1/4" with 16" and 8" wheels.

★ All models shippable PRONTO® with Superstructure Styles L and M.



★ **PW820-M**  
One swivel caster each end, tilt-type.



★ **PW840-M**  
Two swivel casters each end, tilt-type.

★ = two-day PRONTO® shipment.

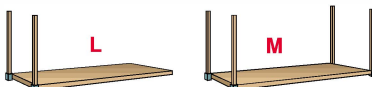
**PW820/840, PB1120/1140, PM5520/5540 Selection Table**

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX

Platform Size Inches	SELECTION SUFFIX											
	Wheels 12" x 2 1/2" and 6" x 2"						Wheels 16" x 3" and 8" x 2"					
	Capacity 2,200 lbs. with 2 casters, 2,700 lbs. with 4 casters						Capacity 3,000 lbs. with 2 casters, 3,500 lbs. with 4 casters					
				Approx. Weight Lbs. ‡						Approx. Weight Lbs. ‡		
	Metal	Moldon Rubber	Plastex	PW820	PB1120	PM5520	Metal	Moldon Rubber	Plastex	PW820	PB1120	PM5520
24 x 48†	-12M2448★	-12R2448★	-12P2448★	180	180	215	-16M2448★	-16R2448★	-16P2448★	215	265	245
30 x 48	-12M3048★	-12R3048★	-12P3048★	215	215	250	-16M3048★	-16R3048★	-16P3048★	235	310	270
30 x 60	-12M3060★	-12R3060★	-12P3060★	225	240	270	-16M3060★	-16R3060★	-16P3060★	245	340	290
36 x 60	-12M3660★	-12R3660★	-12P3660★	240	260	290	-16M3660★	-16R3660★	-16P3660★	260	365	310
36 x 72	-12M3672★	-12R3672★	-12P3672★	255	290	315	-16M3672★	-16R3672★	-16P3672★	275	400	335

† N.A. in six-wheel models.

‡ Add Approx. 25 lbs. for Models PW840, PB1140 and PM5540.



**WHEEL CHOICES** for more help, see pages 14 & 15



## Tilt-Type Platform Trucks

Capacity Range  
1,500 – 3,500 lbs.

### QUALITY FEATURES

- Load wheels 12" x 3" on 1¼" diameter axle with 6" x 2" end casters, or 16" x 3" on 1¼" diameter axle with 8" x 2" end casters.
- Roller bearings and lube fittings in all wheels.
- Choice of one or two swivel casters at each end
- See chart for Distinguishing Specifications.

Available with Superstructure Styles A, C, F, G, H, I, K, L and M.

To order PB1120/1140 and PM5520/5540, use platform size and wheel selection table on page 108.

DISTINGUISHING SPECIFICATIONS		
Model Number	PB1120/1140	PM5520/5540
Deck	1" hardwood	12 ga. steel
Frame		
12" & 6" Wheels	3" x 2" x ¾" angle	3" channel
16" & 8" Wheels	3" x 2" x ¾" angle	3" channel
Center Longitudinal	2" x 2" x ¾" angle	3" channel
Platform Height		
12" & 6" Wheels	15"	15"
16" & 8" Wheels	17"	17"

### QUALITY FEATURES

- Sanded and varnished deck of 1" select hardwood on 1½" x 5" frame.
- Reinforcing steel tie rod across each end.
- Countersunk screw nails; lock washers on all bolts.
- Load wheels 12" x 2½" Metal, Moldon Rubber, or *Plastex* on 1" diameter axle.
- Swivel casters equipped with 6" x 2" wheels having roller bearings and lube fittings in all wheels.
- Style M stakes 29" high above deck.
- Platform height 14¼". Capacity 1,500 lbs.

Available with Superstructure Styles A, C, F, G, H, I, J, K, L and M.

★ All models shippable PRONTO® with Superstructure Style M.

★ = two-day PRONTO® shipment. **PW800 Selection Table**

Platform Size Inches	SELECTION SUFFIX			Approx. Weight Lbs
	Metal	Moldon Rubber	Plastex	
24 x 48★	-MH2448★	-R2448★	-P2448★	130
30 x 48★	-MH3048★	-R3048★	-P3048★	145
30 x 60★	-MH3060★	-R3060★	-P3060★	165

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX



**PB1120-A**  
One swivel caster each end, tilt-type.  
Model PB1140-A has two swivel casters each end.



**PM5540-M**  
Two swivel casters each end, six-wheel tilt-type.  
Model PM5520-M has one swivel caster each end.



★ **PW800-M**  
Woodworking industry favorite.



**Platform Trucks**

**Capacity Range**  
2,500 – 3,000 lbs.



**PW915-A Solid hardwood construction, internal sockets.**  
Available with Superstructure Styles A, G, H, and J.

**QUALITY FEATURES**

- Load wheels 12" x 2½" on 1" diameter axle.
- Swivel caster wheels 8" x 2" on PB1058 and PM5500; 6" x 2" on PW915 except with Pneumatic-tired wheels (12 x 4.10-6 load wheels and 8 x 2.80-4 caster wheels).
- Roller bearings and lube fittings in all wheels.
- Removable pipe handle.

UNIQUE SPECIFICATIONS			
Model No.	PW915-A	PB1058-A	PM5500-A
Deck	1" hardwood	1" hardwood	12 ga. steel
Frame	2" x 4" hardwood	3" x 2" x ⅜" angle	3" channel
Center longitudinal	1½" hardwood	1½" hardwood (30" and 36" widths only)	3" channel
Platform Height	14"	15"	12½"



**PB1058-A Steel angle frame supports hardwood deck.**  
Available with Superstructure Styles A, C, F, G, H, I, J and K.



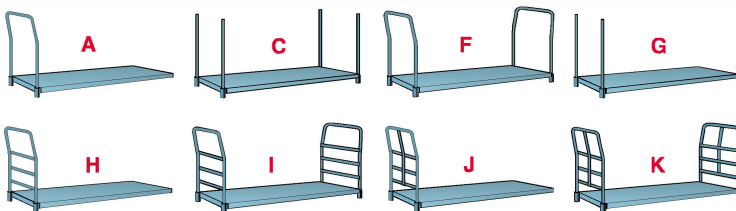
**PM5500-H Sturdy all steel design.**  
Available with Superstructure Styles A, G, H, and J.

**PW915, PB1058 & PM5500 Selection Table**

Platform Size Inches	SELECTION SUFFIX						Approx. Weight Lbs.		
	Duralast®	Metal	Moldon Rubber †	Plastex	Poly-Soft®	Pneumatic Tires (PW915 only) †	Model PW915	Model PB1058	Model PM5500
24 x 48	-DB3024	-M2448	-R2448	-P2448	-SPB2448	-PR2448	170	170	205
30 x 48	-DB3048	-M3048	-R3048	-P3048	-SPB3048	-PR3048	185	180	220
30 x 60	-DB3060	-M3060	-R3060	-P3060	-SPB3060	-PR3060	205	195	240
36 x 60	-DB3660	-M3660	-R3660	-P3660	-SPB3660	-PR3660	215	215	265
36 x 72	-DB3672	-M3672	-R3672	-P3672	-SPB3672	-PR3672	235	235	280

**TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX**

† Capacity limited to 2,500 lbs. with Moldon Rubber Wheels.  
† Capacity limited to 2,000 lbs. with Pneumatic-tired Wheels.



**WHEEL CHOICES** for more help, see pages 14 & 15



**Duralast®:**  
95A poly on iron – our standard urethane



**Metal:**  
cast iron, heavy duty design



**Plastex:**  
phenolic, low cost, high capacity



**Pneumatic Rubber tires:**  
Rubber tread



**Poly-Soft®:**  
85A softer poly on iron – quieter, easy rolling, debris resistant urethane



**Moldon Rubber:**  
1" thick 70D rubber, tensile strength exceeds 1,000 psi

**Platform Trucks**  
Capacity Range  
**1,200 – 2,000 lbs.**

**QUALITY FEATURES**

- Deck of 1" select hardwood set flush in steel frame.
- Frame of 2" x 1½" x ⅜" steel angle.
- Roller bearings and lube fittings in all wheels.
- Casters bolted to ⅜" steel angle cross bolsters.
- Removable pipe handle in sockets with set screws.

**UNIQUE SPECIFICATIONS**

**Model PB1106** trucks have 6" x 2" wheels in two swivel and two rigid casters. Platform height 9¾"

**Model PB1108** trucks have 8" x 2" wheels in two swivel and two rigid casters (except with Pneumatic tires, size 8" x 2.80/2.50-4, 4-ply rated). Platform height 11¾"; 13½" with 8" Pneumatics.

**Model PB1112** trucks have 12" diameter, 4-ply 4,10/3.50-6 Pneumatic-tired wheels in two swivel and two rigid casters. Platform height 17½".



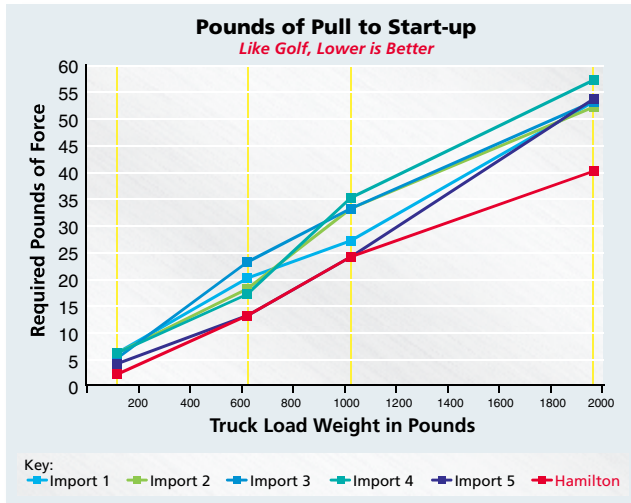
★ **PB1106-A**  
6" x 2" wheels  
all around.



★ **PB1108-H**  
Most popular model rolls on 8" x 2" wheels. 25% less force to move cart (see graph).



★ **PB1112-I**  
12" Pneumatic tires for 2,000 lbs. capacity.



This chart shows how much easier rolling Hamilton's Moldon Rubber tires are vs. five import wheels we tested. The tensile strength of Hamilton moldon rubber is over 1,000 lbs. vs. competitor wheels which are typically around 500 lbs.

★ = two-day **PRONTO®** shipment.

**PB1106/1108/1112 Selection Table**

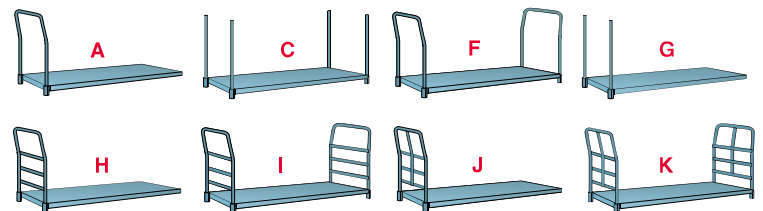
Platform Size Inches	SELECTION SUFFIX				Approx. Weight Lbs.
	Moldon Rubber †	Plastex	Pneumatic Tires *	Polylast	
24 x 48★	-R2448★	-P2448★	-PR2448★	-AY2448★	160
30 x 48★	-R3048★	-P3048★	-PR3048★	-AY3048★	170
30 x 60★	-R3060★	-P3060★	-PR3060★	-AY3060★	185
36 x 60★	-R3660★	-P3660★	-PR3660★	-AY3660★	205
36 x 72★	-R3672★	-P3672★	-PR3672★	-AY3672★	225

† Moldon Rubber wheels limit capacity to 1,600 lbs. with 6" wheels.  
\* Capacity limited to 1,200 lbs. with 8" Pneumatic tires; 2,000 lbs. with 12" Pneumatics. Not available with 6" Pneumatic tires.

**TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX**

★ Sizes marked by star shipped **PRONTO®** in Superstructure Styles **A, G, H** and **I**.

**WHEEL CHOICES** for more help, see pages 14 & 15



**Platform Trucks**

**Capacity Range**  
1,000 – 2,000 lbs.



★ **PM5106-H**  
Structural steel channel frame assures rugged durability.



★ **PM5108-A**  
Smooth, easy to clean steel decks.



★ **PM5112-H**  
12" Pneumatic tires for 2,000 lbs. capacity.

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX

**QUALITY FEATURES**

- Deck of 12 gauge steel.
- All welded frame and full length center rail of 2" steel channel.
- Roller bearings and lube fittings in all wheels.
- Casters bolted to 3/16" steel angle cross bolsters.
- Removable pipe handle in sockets with set screws.

**UNIQUE SPECIFICATIONS**

**Model PM5106** trucks have 6" x 2" wheels in two swivel and two rigid casters. Platform height 9 3/4".

**Model PM5108** trucks have 8" x 2" wheels in two swivel and two rigid casters (except with Pneumatic tires, size 8" x 2.80/2.50-4, 4-ply rated). Platform height 11 3/4"; 13 1/2" with 8" Pneumatics.

**Model PM5112** trucks have 12" dia., 4-ply 4.10/3.50-6 Pneumatic-tired wheels in two swivel and two rigid casters. Platform height 17 1/2".

For aluminum platform trucks in this capacity range, see page 114.

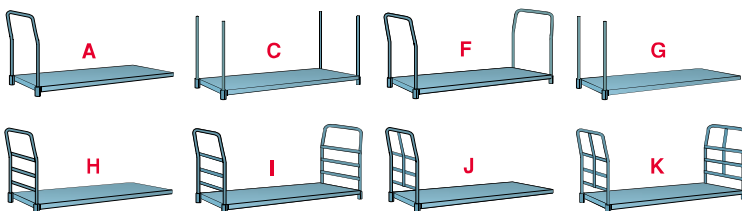
**PM5106/5108/5112 Selection Table**

Platform Size Inches	SELECTION SUFFIX				Approx. Weight Lbs.
	Moldon Rubber †	Plastex	Pneumatic Tires *	Polylast	
24 x 48★	-R2448★	-P2448★	-PR2448★	-AY2448★	160
30 x 48★	-R3048★	-P3048★	-PR3048★	-AY3048★	170
30 x 60★	-R3060★	-P3060★	-PR3060★	-AY3060★	185
36 x 60	-R3660	-P3660	-PR3660	-AY3660	205
36 x 72★	-R3672★	-P3672★	-PR3672★	-AY3672★	225

† Moldon Rubber wheels limit capacity to 1,400 lbs. with 6" wheels, and 1,800 lbs. with 8" wheels.

\* Capacity limited to 1,000 lbs. with 8" Pneumatic tires; 2,000 lbs. with 12" Pneumatics. Not available with 6" Pneumatic tires.

★ Sizes marked by star shipped **PRONTO®** in Superstructure Styles **A, G and H.**



**WHEEL CHOICES** for more help, see pages 14 & 15



**Platform Trucks**  
Capacity Range  
up to 1,500 lbs.

### QUALITY FEATURES

- Furnished with two swivel and two rigid casters having 8" x 2" *Versa-Tech*® rubber-tired or *Plastex* wheels.
- All wheels equipped with roller bearings.
- Casters mounted non-tilt (at four corners) unless specified tilt-type (diamond pattern).

**Model PW8100** trucks have sanded and varnished 1½" select hardwood deck, tongue-and-grooved with bolts countersunk. Platform height 11¾".

Available with Superstructure Styles A, C, D, E, F, G, H and I.



★ **PW8100-D**  
Choice of bolt-on or removable handles.

### PW8100 Selection Table

Platform Size Inches	SELECTION SUFFIX			Approx. Weight Lbs. with one end rack; (add 15 lbs. for 2nd rack)	
	Non-Tilt		Tilt-Type Add additional suffix "T" to the foregoing selections.	PM8000	PW8100
	Plastex	Versa-Tech®			
24 x 48	-P2448	-TE2448		140	115
27 x 54	-P2754	-TE2754		155	125
30 x 60★	-P3060★	-TE3060★		165	155

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX

★ Stocked for **PRONTO**® shipment in all superstructure styles: Model 8100 size 30" x 60" (non-tilt only).

### QUALITY FEATURES

- Two swivel and two rigid casters with choice of 6" x 2" *Plastex* or *Versa-Tech*® wheels with roller bearings.
- Casters mounted non-tilt (at four corners) unless specified tilt-type (diamond pattern).
- Platform height 9¼". Capacity 1,000 lbs.

**PW6100** trucks feature 1" tongue-and-grooved hardwood decks with countersunk bolts and nails.

Available with Superstructure Styles A, C, D, E, F, G, H and I.



★ **PW6100-A**  
Removable pipe handle or bolt-on end rack.



★ **PW6100-E**  
Tongue-and-grooved deck adds strength.

### PW6100 Selection Table

Platform Size Inches	SELECTION SUFFIX			Approx. Weight Lbs.
	Non-Tilt		Tilt-Type 48" length only. Add additional suffix "T" to foregoing selections.	
	Plastex	Versa-Tech®		
24 x 48★	-P2448★	-TE2448★		85
27 x 54	-P2754	-TE2754		95
30 x 60	-P3060	-TE3060		115

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX

★ Model PW6100 shipped **PRONTO**® in Superstructure Styles **A, E** and **H** (size 24" x 48" non-tilt only).

### WHEEL CHOICES for more help, see pages 14 & 15



**Ebonite:**  
solid extra hard rubber



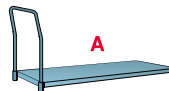
**Plastex:**  
phenolic, low cost, high capacity



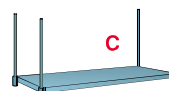
**Poly-Tech®:**  
90A poly on propylene core, lighter duty institutional use.



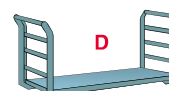
**Versa-Tech®:**  
65A non-marking light gray rubber on propylene core



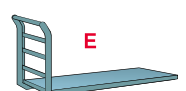
A



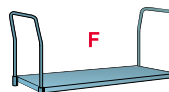
C



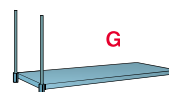
D



E



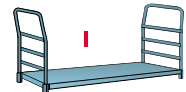
F



G



H



I

**Platform Trucks**  
Capacity Range  
**1,000 – 2,000 lbs.**

★ = two-day PRONTO® shipment. **PM6600/6800 Selection Table**

Platform Size Inches	SELECTION SUFFIX			Approx. Weight Lbs.
	6" and 8" Models		8" Models	
	Plastex	Versa-Tech®	Ace-Tuf®	
24 x 48★	-P2448★	-TE2448★	-AT2448★	130
27 x 54★	-P2754★	-TE2754★	-AT2754★	145
30 x 60★	-P3060★	-TE3060★	-AT3060★	180

Request quote from factory with bumpers.

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX



★ **PM6800-A**  
Shown with optional bumpers.

**QUALITY FEATURES**

- Features all welded deck of 12 ga. sheet steel.
- Two formed 12 ga. steel bolsters run longitudinally under truck (3 bolsters on 30"x 60" size).
- Roller bearings in *Plastex* and *Versa-Tech®* wheels, ball bearings in *Ace-Tuf®* wheels.
- Capacity 1,000 lbs.; 1,400 lbs. on 30"x 60" size with *Plastex* or *Versa-Tech®* wheels.

**Model PM6600** has two swivel and two rigid casters welded on: choice of 6" x 2" *Plastex* or *Versa-Tech®* wheels. Platform height 10¾".

**Model PM6800** has two swivel and two rigid casters welded on: choice of 8" x 2" *Plastex* *Versa-Tech®* or 8 x 2.50 *Ace-Tuf®* wheels. Platform height 12¾".

Available with Superstructure Styles A, C, F, G, H, I.

★ All models shippable PRONTO®!

**QUALITY FEATURES**

- All the features most wanted by food processing plants, dairies, hospitals, schools, airports, hotels, etc. Cast pipe sockets integrally welded into all four corners permit using handle at either end.
- Deck of ½" diamond tread aluminum alloy (6061T).
- Casters bolted to ¾" aluminum angle cross bolsters.
- Roller bearings in all wheels.
- Capacity 1,100 lbs. with Pneumatics, 1,500 lbs. with *Versa-Tech®* rubber wheels, and 2,000 lbs. with *Polylast* polyurethane wheels.
- For stainless steel casters and rubber bumpers, consult factory.

**Model AL2006** trucks have 6" x 2" wheels in two swivel and two rigid casters. Platform height 10¾".

**Model AL2008** trucks have 8" x 2" wheels in two swivel and two rigid casters. Platform height 12¾", slightly higher with Pneumatic-tired wheels.

Available with Superstructure Styles A, F, H, and I.

★ All models shippable PRONTO®!

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX

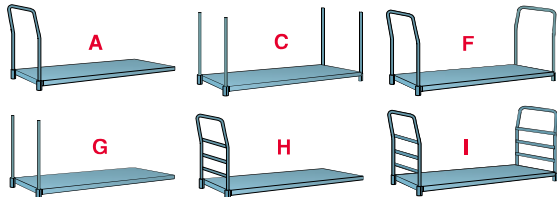
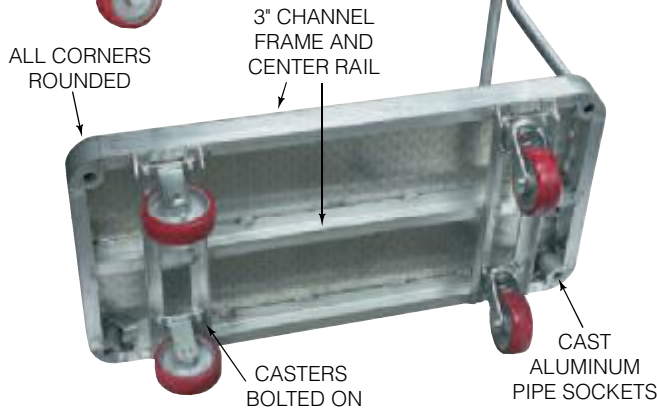
★ = two-day PRONTO® shipment. **AL2006/2008 Selection Table**

Platform Size Inches	SELECTION SUFFIX			Approx. Weight Lbs.
	Models 2006 and 2008		Model 2008	
	<i>Polylast</i>	<i>Versa-Tech®</i>	Pneumatic	
24 x 48★	-AY2448★	-TE2448★	-PR2448★	80
30 x 48★	-AY3048★	-TE3048★	-PR3048★	85
30 x 60★	-AY3060★	-TE3060★	-PR3060★	93
36 x 72★	-AY3672★	-TE3672★	-PR3672★	105

**WHEEL CHOICES** for more help, see pages 14 & 15



★ **AL2006-A**  
Lightweight aluminum body.





### A-Frame Trucks Capacity Range 800 – 2,000 lbs.

#### QUALITY FEATURES

- All steel frame with 3/16" angle base, 1" pipe A-frame, and 1/4" angle nose plate.
- A-frame and nose 30" wide; nose 4" deep. Overall size 22 3/4" wide x 42 5/8" long x 47" high.
- L-shaped lugs on rear of frame support length of pipe which can be inserted to support extra-long loads.
- Four swivel casters with 5" x 1 1/2" roller bearing Metal, Moldon Rubber or *Plastex* wheels.
- Capacity 1,500 lbs. except on Moldon Rubber wheels which limit capacity to 800 lbs. Weight 100 lbs.

★ **AF472-M** with Metal wheels.

★ **AF472-P** with *Plastex* wheels.

★ **AF472-R** with Moldon Rubber wheels.

★ *Shippable PRONTO*®.

★ **AF472**  
Easy way to move  
sheets and panels.



Push truck into position. Step on frame and pull back to break over load. Panels will rest on four wheels ready to roll.



**AF475**  
Capacity 2,000 lbs.  
Choose flat or  
90° sloped deck.



#### QUALITY FEATURES

- Solid hardwood construction: deck 1" thick, frame 1 3/4" x 4".
- Deck height 14 1/2". Overall height 55". Load width 11" each side.
- Load wheels 10" x 2 1/2" on 1" common axle at center; slight tilt permits balancing load to turn in its own length.
- Four swivel casters with 6" x 2" wheels.
- All wheels Moldon Rubber with roller bearings and lube fittings.

**AF475-1**—platform size 36" x 60". Weight 290 lbs.

**AF475-2**—platform size 36" x 72". Weight 305 lbs.

**AF475-3**—platform size 36" x 84". Four uprights. Weight 345 lbs.

**AF475-4**—platform size 36" x 96". Four uprights. Weight 365 lbs.

### Panel Dolly

#### QUALITY FEATURES

- Capacity 1200 lbs.
- Lightweight, all-aluminum construction
- Ideal for granite and other heavy materials
- 92" Long x 24" wide x 43 3/4" high
- Fully adjustable for panel thicknesses up to 3 1/2"
- Adjustable handle positions accommodate different users/different loads
- Large 12" x 3.00 *Ace-Tuf*® wheels for easy rolling.

**AL2092**  
Adjustable dolly  
for granite and  
other heavy panels



**AF473** Capacity  
1,000 lbs. Ideal for  
light, bulky loads.

#### QUALITY FEATURES

- End rails and 16" deep platform made of 10 ga. steel; uprights of 1" pipe.
- Overall size 30" wide x 48" long x 57" high. Deck slopes 5° from height of 10".
- Four swivel casters with 5" x 1 3/8" ball bearing *Poly-Tech*® wheels or 5" x 1 1/4" oilless bearing *Ebonite* wheels.
- Weight 140 lbs.

**AF473-E** with *Ebonite* wheels.

**AF473-NF** with *Poly-Tech*® wheels.



Two Wheel Trucks

Capacity Range  
500 – 1,400 lbs.



★HM44-E

★HM44-K

★HM52-B  
Shown with 8" Ace-Tuf® Rubber-tired wheels.

★HM53-K

Designed for proper balance and rigidly welded of high alloy steel tubing, *Lite-N-Tuf*® all-welded steel hand trucks embody Hamilton quality at a competitive price. Steel frames of 1 1/8" O.D. high yield tubing, red enamel finish (yellow on HM44-K and HM53-K), and vinyl handle grips are standard features on these models.

HM52-B and HM44-E hand trucks feature solid bar steel curb skids, beveled nose edges, strong "back-up" nose design, and extra large stair skids. Choice of wheels listed below.

HM44-K is the widest model available and is furnished standard with 6" x 2" *Versa-Tech*® wheels.

HM53-K features 8" x 2.50 *Ace-Tuf*® ball bearing wheels, and a 65" tall frame ideal for carrying bread racks or other bulky high loads.

Newly added model HM44-S is all stainless steel, including hardware. Wheels have *Delrin*® bearings.

SPECIFICATIONS (inches)					
Model No.	HM44-E	HM44-K	HM52-B	HM53-K	HS44-S
Height	46	48	46	65	45
Frame Width	15	18 1/4	15	15	15
Overall Width	20%	24	21	21	20%
Nose Depth	8	6 3/4	8	9	8
Capacity Lbs.	500	500	500	500	500
Weight Lbs.	30	35	35	40	30

WHEEL CHOICES for more help, see pages 14 & 15



Ace-Tuf®



Semi-Pneumatic



Pneumatic Rubber tires



Versa-Tech®

★ = two-day PRONTO® shipment.

HM44/52/53/HS44 Selection Table

SELECTION SUFFIX					
Ace-Tuf®		Pneumatic	Semi-Pneumatic	Versa-Tech®	
8 x 2.50	10 x 2.75	10 x 4.10-4	6 x 2.00	6 x 2	8 x 2
-8AT★	-10AT★	-10PR★	-6SP★	-6TE★	-8TE★

TO ORDER, SPECIFY MODEL NUMBER AND SELECTION SUFFIX

★HS44-S



## "Ultra-Lite" Aluminum Hand Trucks

Capacity Range up to 500 lbs.

★ **HA71**  
Frame reinforced at top for extra strength.



★ **HA72**  
Double handles for heavy loads.



★ **HA78**  
Convertible



★ **HA79**  
Convertible



★ Stocked for **PRONTO®** shipment—via UPS or RPS.

Lightweight design for easier handling. Helps reduce fatigue on delivery truck drivers. Aluminum frame made of extruded channel side rails with tubular cross supports for increased durability. Extruded aluminum nose plate/axle bracket has tapered leading edge to assist loading, interlocks with frame and axle for maximum strength.

Newly added convertible models HA78 and HA79 can be used as either hand trucks or platform trucks. The conversion latch system is engineered for simplicity so there are fewer moving parts resulting in more reliability and longer life. Only available with 10" pneumatic tires.



**HOW TO ORDER:** Select base model, wheels and accessories. In the example shown below, Model 71 would include 10" Pneumatic-tired wheels, and folding baggage rack.

MODEL NUMBER	WHEEL SELECTION	OPTIONAL ACCESSORIES
HA71	10PR	F24

★ = two-day **PRONTO®** shipment.

WHEEL SELECTION			
Suffix	Size	Type (Ball Bearings)	Replacement Wheel No.
-8AT★	8 x 2.50	Ace-Tuf®	W-8-OAT-5/8
-10AT★	10 x 2.75		W-10-OAT-5/8
-10PR★	4.10/3.50-4	Pneumatic	W-9-PR-5/8
-8AR★	8 x 1 1/8	Vulcalite™ Rubber-Tired	W-815-AR-5/8

	HA71	HA72	HA78	HA79
Frame Height	48"	48"	52"	61 1/2"
Frame Width	12"	12"	12"	12"
Nose Plate	14"w x 7 1/2"d	14"w x 7 1/2"d	18"w x 7 1/2"d	14"w x 7 1/2"d
Wheel Dia.	8" x 10"	8" x 10"	10"	10"
Axle	5/8"	5/8"	5/8"	5/8"
Load Cap.	500 lbs.	500 lbs.	500 lbs.*	500 lbs.*
Weight	20 lbs.	20 lbs.	42 lbs.	47 lbs.
Height as platform truck			41"	46"
Platform bed length			38 1/4"	51 1/2"
Platform height from floor			11"	11"

\*1000 lbs. as platform truck.

### OPTIONAL ACCESSORIES



**STAIR CLIMBERS.** With built-in wear strip to increase strength and mobility for going up and down stairs or curbs. To order add the suffix "SC".



**FOLDING BAGGAGE RACK.** Sturdy ribbed plate baggage rack 24" long, folds up when not in use. To order add suffix "F24". Not available on Model 77.

**Two Wheel Trucks**

**Capacity Range**  
400 – 5,000 lbs.



★HM69  
Capacity 800 lbs.  
Shippable **PRONTO®!**

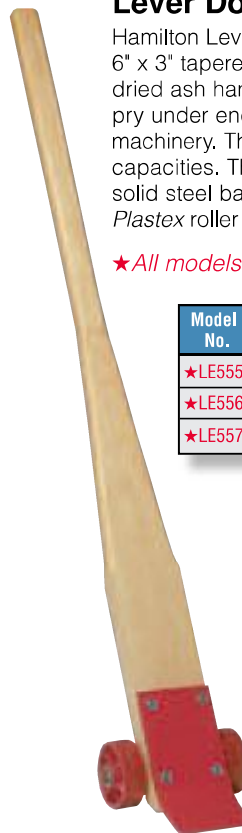
**Appliance Truck**

Lightweight—only 50 lbs.—but ruggedly constructed of welded steel tubing. Built to handle refrigerators, freezers, stoves, TV's, store fixtures and furniture of all kinds.

Ratchet securely tightens 124" long web belt. Stair climbers are roller bearing, "crawler" type. Load contact surfaces fully padded. *Vulcalite* non-marking rubber-tired wheels 6" x 2" with roller bearings and lube fittings.

- Overall height .....60"
- Frame width .....16"
- Nose width .....24"
- Nose depth .....5"
- Axle diameter .....5/8"
- Finish .....Red Enamel
- Capacity .....800 lbs.

★LE555, ★LE556, ★LE557  
**Lever Dollies**



Hamilton Lever Dollies, or Pry Bars, have heavy 6" x 3" tapered steel noses and select, kiln dried ash handles. Commonly used in pairs to pry under ends of bulky crates, cases or machinery. Three sizes are available for varying capacities. The 3/4" round axle is welded to a solid steel back plate. Choice of 5" x 2" Metal or *Plastex* roller bearing wheels.

★All models shippable **PRONTO®** via UPS.

Model No.	Lifting Capacity	Lifting Height	Overall Length	Approx. Weight
★LE555	3500 lbs.	8"	5 ft.	30 lbs.
★LE556	4200 lbs.	8"	6 ft.	37 lbs.
★LE557	5000 lbs.	8"	7 ft.	44 lbs.

**TO ORDER SPECIFY MODEL NUMBER AND SUFFIX:  
-M FOR METAL WHEELS,  
-P FOR PLASTEX WHEELS.**

★HM82  
Large 12" *Ace-Tuf®* Wheels.  
Shippable **PRONTO®!**

**Dual Cylinder Truck**

Easily carries a 300 cu. ft. oxygen and a 300 cu. ft. acetylene tank. Has adjustable locking chain and accessory tray 22" x 5" x 3" deep. All-welded construction. 12 x 3.00 *Ace-Tuf®* rubber-tired, ball bearing wheels.

- Height .....42½"
- Frame width .....25"
- Nose depth .....13"
- Axle diameter .....3/4"
- Weight .....48 lbs.
- Capacity .....600 lbs.



★HM91  
Shippable **PRONTO®** via UPS.

**Cylinder Truck**

For single tank or cylindrical object up to 10" diameter. 1 1/16" tubular steel construction with large safety nose plate, quick-acting locking chain, full-size stair skids, and non-slip handle grips. Choose 6 x 2.00 Semi-Pneumatic wheels (HM91-6SP), 8 X 2.50 *Ace-Tuf®* wheels (HM91-8AT) or 10 x 2.75 *Ace-Tuf®* wheels (HM91-10AT). Ball bearings in all wheels.

- Handle length .....46"
- Frame width .....15"
- Nose depth .....8"
- Axle diameter .....5/8"
- Weight .....38 lbs.
- Capacity .....400 lbs.



### Drum Handling Equipment Capacity Range up to 1,000 lbs.



Use rear wheels to tip nose of Model 59 up onto pallet.



★All models on this page are shippable **PRONTO®**.

### Drum-and-Barrel Movers

Choose popular Model HM49, self-standing Model HM60, or pallet-loading Model HM59 to handle your drums or barrels. All three have a sliding "triple duty" chime hook that fits most metal drums, wood barrels, or open fiber drums.

Heavy duty roller bearings and lube fittings in all wheels: choice of 10" x 2½" Moldon Rubber or Plastex, or 10" x 3.40-5 Pneumatic tires (not available on Model HM59). Model HM59 has two 6" x 2" auxiliary wheels on a ¾" rear axle, plus "handle bar" for tilting truck back, designed for pallet-loading or simply to ease operator strain.



1. Lean truck against drum and drop hook over rim.



2. Step on foot bar and pull back on handles.

### QUALITY FEATURES

- Handle length . . . . .62"
- Overall width . . . . .23"
- Axle diameter . . . . .1"
- Capacity . . . . .1,000 lbs.
- Weight **No. HM49** . . . . .75 lbs.
- No. HM59** . . . . .97 lbs.
- No. HM60** . . . . .82 lbs.

### TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX

SELECTION SUFFIX		
Moldon Rubber	Plastex	Pneumatic Tires (N.A. #59)
-R	-P	-PR

### Drum Cradles

This sturdy, all-welded steel drum cradle comes ready to use—no assembly. Features two 2½" swivel casters at one end and two 3" sintered iron wheels at the other. Wheels are plain bore. Model DR545 comes with sliding hook; if no handle desired specify DR545-L. Also available without wheels (DR546), or without wheels or handle (DR546-L). Height 19" (incl. wheels), width 17", length 31" (excl. handle). Capacity 800 lbs. Weight 32 lbs.

★Shippable **PRONTO®** via UPS.

### ★DR545 & ★DR546



For proper use, simply: **1**) lean cradle against drum with nose prongs astride bottom chime; **2**) pull out handle and position hook over chime of drum; **3**) pull back on handle and drum will seat onto prongs for tipping into horizontal position.

**Shelf Trucks**  
Capacity Range  
500 – 1,000 lbs.

★ **SH5002** Capacity to 1,000 lbs.



- Two tray-type steel shelves turned up 1½": 14 ga. on 36" and 48" lengths; 12 ga. with center rail on 60" length.
- Clearance between shelves 18¼"; height to lip of top shelf with 8" wheels 32¼"; to handle 38"; higher with Pneumatic-tired wheels.
- Two swivel and two rigid casters bolted to formed 12 ga. longitudinal bolsters. See chart for wheel choices.
- Roller bearings standard in all wheels, except ball bearings in *Ace-Tuf®* wheels.
- Capacity 1,000 lbs. with 8" wheels, 750 lbs. with 5" wheels.

★ = two-day **PRONTO®** shipment.

**SH5002 Selection Table**

Shelf Size Inches	SELECTION SUFFIX				Approx. Weight Lbs.
	8 x 2.50 <i>Ace-Tuf®</i>	8 x 2.80-4 Pneumatic	5" x 2" <i>Versa-Tech®</i>	8" x 2" <i>Versa-Tech®</i>	
24 x 36★	-8AT2436★	-8PR2436★	-5TE2436★	-8TE2436★	115
24 x 48	-8AT2448	-8PR2448	-5TE2448	-8TE2448	135
30 x 48★	-8AT3048★	-8PR3048★	-5TE3048★	-8TE3048★	185
30 x 60	-8AT3060	-8PR3060	-5TE3060	-8TE3060	230

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX

★ **SH5003** Capacity 1,000 lbs. Instrument Cart shown with optional bumpers.



- Two 14 ga. steel shelves: bottom shelf turned up 1½".
- Clearance between shelves 18"; height to top shelf 32¼"; to handle 37"; higher with Pneumatic-tired wheels.
- Anti-static ⅛" thick non-skid rubber mat on both shelves.
- Two swivel and two rigid casters bolted to formed 12 ga. longitudinal bolsters. See chart for caster/wheel choices.
- Rubber bumpers available.

★ = two-day **PRONTO®** shipment.

**SH5003 Selection Table**

Shelf Size Inches	SELECTION SUFFIX			Approx. Weight Lbs.
	8 x 2.50 <i>Ace-Tuf®</i>	8 x 2.50 Pneumatic	8 x 2.50 <i>Super-Flex™</i>	
24 x 36★	-AT2436★	-PR2436★	-SU2436★	120
24 x 48	-AT2448	-PR2448	-SU2448	150
30 x 48★	-AT3048★	-PR3048★	-SU3048★	170
30 x 60	-AT3060	-PR3060	-SU3060	250

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX

★ **SH5016** Capacity 500 lbs.



- Size 20" wide x 36" long x 38" high overall (push handle adds 3" to length).
- Two 16 ga. steel shelves welded to steel angle uprights.
- Clearance between shelves 23½"; all edges turned up 1½".
- Stem-type casters welded on: two swivel and two rigid with 5" x 1⅜" *Poly-Tech®* ball bearing wheels.
- Weight 75 lbs.

★ **Shippable PRONTO®.**

★ **SH5017** Capacity 600 lbs. Plate-type casters bolted-on.



- Size 17" wide x 34" long x 35" high overall (push handle adds 3" to length).
- Three shelves of 16 ga. sheet steel with 12¼" clearance above middle shelf, 10" clearance below. Top shelves tray-type 2" deep; bottom shelf edges turned down.
- Casters bolted to 14 ga. formed longitudinal bolsters; two swivel and two rigid casters with 5" x 1¼" *Versa-Tech®* wheels with ball bearings.
- Weight 85 lbs.

★ **Shippable PRONTO®.**

**Shelf Trucks**  
Capacity Range  
600 – 6,000 lbs.

## Work Height Platform Truck PWB1108 Capacity 2,000 lbs.



- Deck of 1" select hardwood set flush in steel frame.
- Frame of 2" x 1" x 3/16" steel angle.
- 8" x 2" wheels in two swivel and two rigid casters (except Pneumatic tires, size 8" x 2.80/2.50-4).
- Casters bolted to 3/16" steel angle cross bolsters.
- Removable pipe handle sockets with set screws.
- Platform height 31" standard; special heights upon request.

TO ORDER, SPECIFY MODEL NUMBER AND SUFFIX

★ = two-day  
PRONTO® shipment.

### PWB1108 Selection Table

Platform Size Inches	SELECTION SUFFIX				Approx. Weight Lbs.
	Moldon Rubber	Plastex	Pneumatic Tires *	Polylast	
24 x 48★	-R2448★	-P2448★	-PR2448★	-AY2448★	160
30 x 48★	-R3048★	-P3048★	-PR3048★	-AY3048★	170
30 x 60★	-R3060★	-P3060★	-PR3060★	-AY3060★	185

\* Capacity limited to 1,200 lbs. with 8" Pneumatic tires.

## Table Trucks SH5030 Capacity 1,500 lbs.



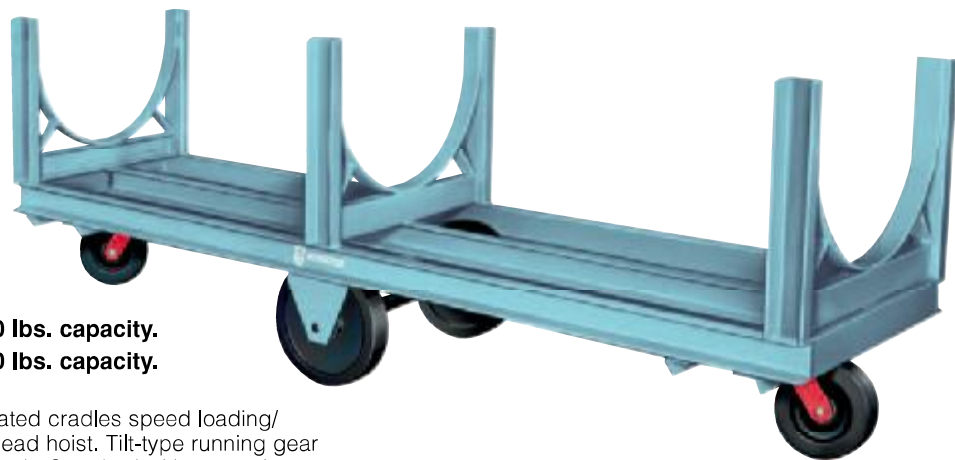
- Size 30" wide x 40" long x 31" high overall. Special sizes also available—advise details.
- Top of 14 ga. sheet steel reinforced with 1 1/2" x 1 1/2" x 3/16" angle center support.
- Bottom frame, corner uprights and caster bolsters all 1 1/2" x 1 1/2" x 3/16" angle.
- Casters two swivel and two rigid with 6" x 2" Versa-Tech® wheels, or 6" x 1 1/2" Metal or Plastex wheels.
- Roller bearings in all wheels.

SH5030-M with Metal wheels.

SH5030-P with Plastex wheels.

SH5030-TE with Versa-Tech® wheels.

## Bar Handling Trucks



**BH485** 5 ft. long—3,000 lbs. capacity.  
**BH488** 8 ft. long—6,000 lbs. capacity.

**Bar Handling Trucks** Elevated cradles speed loading/unloading by forklift or overhead hoist. Tilt-type running gear permits turning in its own length. Standard with one swivel caster at each end, but available with two swivel casters at each end when uneven floors exist. Frame and uprights constructed of steel channel. Cradles made of 3/8" flat steel 15" deep.

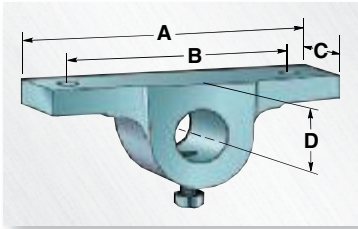
**BH485** is 26" wide x 60" long x 32" high overall with two 12" x 2 1/2" load wheels on a 1" dia. axle and two forged steel swivel casters with 8" x 2" roller bearing wheels. Weight 250 lbs.

**BH488** is 26" wide x 96" long x 33 1/2" high overall with two 12" x 3" load wheels on a 1 1/4" dia. axle and two forged steel swivel casters with 8" x 2 1/2" roller bearing wheels. Weight 460 lbs.

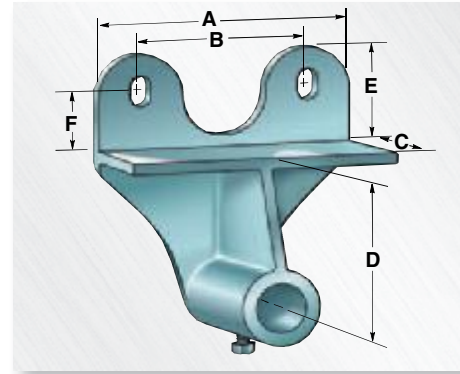
To order, specify BH485-D or BH488-D with Duralast® polyurethane wheels; 485-M or 488-M with Metal wheels; 485-P or 488-P with Plastex wheels.

**AXLE BRACKETS**

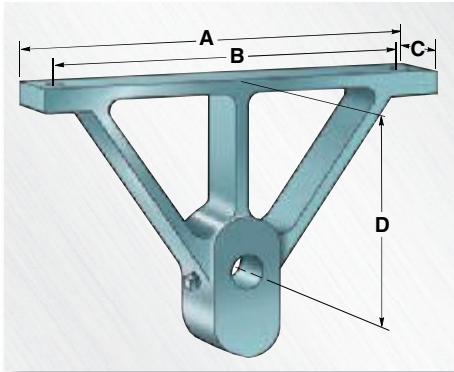
These iron castings are designed for maximum strength. Set screws are furnished with all models. Special styles fabricated from plate steel can be quoted on application. Dimensions given below are in inches.



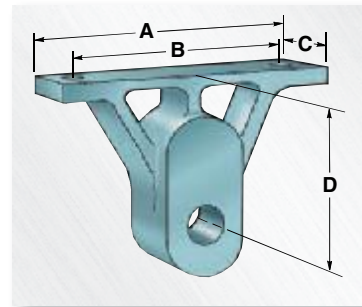
Catalog No.	A	B	C	D	Bolt Size	Axle Size	Wt. Lbs.
Z20539						1	3
Z20540	6%	5½	1%	1½	¾	1½	
Z20541						1¼	



Catalog No.	A	B	C	D	Bolt Size	Axle Size	Wt. Lbs.
Z20300						1	5
Z20320	5%	3%	1%	3½	1¼	1½	
Z20321						1¼	



Catalog No.	A	B	C	D	Bolt Size	Axle Size	Wt. Lbs.
Z20182				7½	½	1¼	10
Z20201				6½			
Z20220	12	10½	1½		¾	1	
Z20240				7½			
Z20260				5¼			
Z20280				5%			



Catalog No.	A	B	C	D	Bolt Size	Axle Size	Wt. Lbs.
Z20020						¾	6
Z20060				3⅞			
Z20080	7%	6½	1½	4	¾	1	
Z20100				2%			
Z20165				2¾			

**STAKE SOCKETS**

Fabricated except Nos. 2CB, 30 Left and 30 Right which are cast iron. When ordering sockets made in rights and lefts, order specifically or in pairs.



**No. 296L Left – No. 296R Right.** For 1" pipe standards; 3½" deep.



**No. 800.** For wood stakes 1½" x 2¼"; 4" deep. **No. 880L Left – No. 880R Right.** For 1" pipe standards; 4" deep.



**No. 2 CB.** For 1" pipe standards; 4" deep.



**No. 10L Left – No. 10R Right.** Welds on. For 1" pipe standards; 3½" deep.



**No. 30. Left – 31 Right.** For wood stakes 1½" x 2½"; 6" deep.



Date \_\_\_\_\_

1. For \_\_\_\_\_ Mr./Ms. \_\_\_\_\_  
Company Name City & State Name

2. Use: To transport \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_

3. Quantity: \_\_\_\_\_ Load capacity (net) \_\_\_\_\_ lbs. Floor Type: \_\_\_\_\_

4. Type truck:  Platform;  Shelf;  Box;  Trailer;  Caster-Steer;  Four-Wheel;  Skid;  Semi-Live;  Dolly;  
 Fifth-Wheel;  Auto-Steer;  Dead;

Other \_\_\_\_\_

5. Dimensions (inches)  Inside \_\_\_\_\_ wide x \_\_\_\_\_ length x \_\_\_\_\_ high above floor.  
 Outside \_\_\_\_\_ high above deck.

*If possible, include a drawing or sketch via fax or e-mail*

6. Constructed of: Frame: \_\_\_\_\_ Deck: \_\_\_\_\_ Superstructure: \_\_\_\_\_

7. End Racks / Push Handles / Stakes: Number \_\_\_\_\_ Style \_\_\_\_\_

Permanent. Location: \_\_\_\_\_ Ht. above deck:  
 Removable.

8. Shelves: How many? \_\_\_\_\_ (include top and bottom) Capacity per shelf: \_\_\_\_\_ lbs.

Clearance between shelves: \_\_\_\_\_ Edges turned  up ( \_\_\_\_\_ ")  
 down.

9. Running gear: How many swivel casters? \_\_\_\_\_ Size: \_\_\_\_\_ dia. x \_\_\_\_\_ face.

How many rigid casters / load wheels? \_\_\_\_\_ Size: \_\_\_\_\_ dia. x \_\_\_\_\_ face.

Arrangement:  Diamond Pattern. If Diamond:  tilt-type.  Six-Wheel.  
 4-Corner Pattern.  non-tilt.

Type wheels desired: \_\_\_\_\_ (Consult pgs. 12 -13 of catalog.)

Type bearings desired: \_\_\_\_\_ (Consult pg. 11 of catalog.)

10. Other accessories?  Floor Truck Lock;  Couplers;  Swivel Lock;  Wheel Bearing Seals;

Wheel Brakes;  Other: \_\_\_\_\_

Details: \_\_\_\_\_

11. Any critical clearances (for doorways, elevators, scales, etc.)? Specify \_\_\_\_\_

12. Special finish or color? \_\_\_\_\_ Special markings? \_\_\_\_\_

13. Comments \_\_\_\_\_

Your Name \_\_\_\_\_

Co. Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

EMAIL \_\_\_\_\_



1120 Fuller Drive  
Garrett, Indiana 46738  
Ph: 1-888-276-3386  
Fax: (260) 357-0889  
Email: sales@bandcip.com

Date \_\_\_\_\_

1. Is this requirement for a new  or a replacement  caster?
  - a. If for replacement, what brand/model of caster is the customer currently using?  
 Brand \_\_\_\_\_ Model# \_\_\_\_\_
  - b. If unknown: Wheel type \_\_\_\_\_ Wheel size \_\_\_\_\_  
 Top Plate Size \_\_\_\_\_ Bolt Centers \_\_\_\_\_ Height \_\_\_\_\_
2. How many casters/wheels are needed per piece of equipment?  
 Swivels \_\_\_\_\_ Rigids \_\_\_\_\_ Wheels only \_\_\_\_\_
3. How much capacity per caster/wheel is required \_\_\_\_\_ lbs.
4. How will the load be applied? a.  Suddenly (Shock loaded-Timed cycle)  
 b.  Gradually c.  Both a & b
5. What type of floor(s) will caster/wheel operate on:  
 a. Wooden  b. Concrete  c. Tile  d. Asphalt  e. Carpet   
 f. Other \_\_\_\_\_
6. What are floor conditions? a. Smooth  b. Uneven  c. Obstructions   
 If so, what types? \_\_\_\_\_
7. Is noise a factor? Yes  No
8. Are any unusual environmental conditions present?  
 a. Temperature – high or low, approximate degrees \_\_\_\_\_  
 b. Chemicals – what kind and how will caster be exposed \_\_\_\_\_  
 \_\_\_\_\_  
 c. Water/steam-temperature? \_\_\_\_\_ Submersion? \_\_\_\_\_ Length of exposure? \_\_\_\_\_  
 d. Dirt  Sand  Grease  Oil   
 e. Other environmental conditions? \_\_\_\_\_  
 \_\_\_\_\_
9. How will conveyance (equipment) be moved? a. Manual  b. Towed   
 If towed, how fast? \_\_\_\_\_ how often? \_\_\_\_\_ Other \_\_\_\_\_
10. Are there any other requirements? \_\_\_\_\_  
 \_\_\_\_\_

Your Name \_\_\_\_\_  
 Co. Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_  
 State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Fax \_\_\_\_\_  
 EMAIL \_\_\_\_\_



1120 Fuller Drive  
 Garrett, Indiana 46738  
 Ph: 1-888-276-3386  
 Fax: (260) 357-0889  
 Email: sales@bandcip.com



Super heavy duty ductile iron flanged track wheels are rated at 18,000 lbs.



Specially molded flanged *Plastex* wheel.



Manganese bronze is an option where non-sparking wheels are a must.



Unusual center flange guide wheel rigid caster for 5,000 lbs. capacity.



Have it your way! This single flange bronze wheel was designed for a telescope.



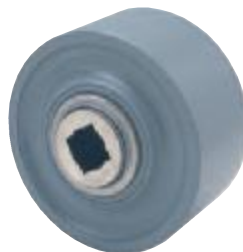
Castors furnished with manganese bronze wheels are well-suited for environments requiring spark-proof wheels.



Special wheels engineered by Hamilton for unusual applications include (l. to r.) urethane-coated flanged wheel, offset hub two-component urethane wheel, and urethane-coated V-grooved wheel.



Dual purpose, triple wheel swivel caster provides floor protection when not running on angle track.



This forged steel wheel has been fitted with a special square bearing allowing it to turn on a square shaft.



Urethane pallet rollers like this are available on special order with bore and bearing specifications to suit customer requirements.



Dual wheel 18" dia. cushion-tired rigid caster for 10,000 lbs. capacity.

AGV Casters are custom engineered from popular MD, EHD, and HS swivel assemblies. Heights, offsets, and capacities can be tailored to suit.





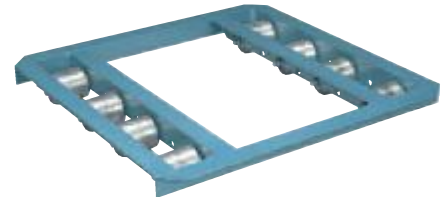
**Fig. 1399** Caster-Steer Trailer features fifteen storage compartments on each side, and rotates on turntable for easy access.



**Fig. 1177** Stainless Steel Cart with brackets along top frame for holding bottle capping spindles submerged in removable oil pans.



**Fig. 1394** Caster-Steer Trailer with protective nylon-lined cradles to carry precision shafts for the paper industry.



**Fig. PA3642-NT-6P** Economical way to keep palletized loads moving when not on the fork truck.



**Fig. 3457** "Broke" Paper Trailer designed with cut-outs for access to load and automatic couplers for towing.



**Fig. MA428** Building materials cart is ideally suited for carrying bulky loads in home repair and hardware stores.



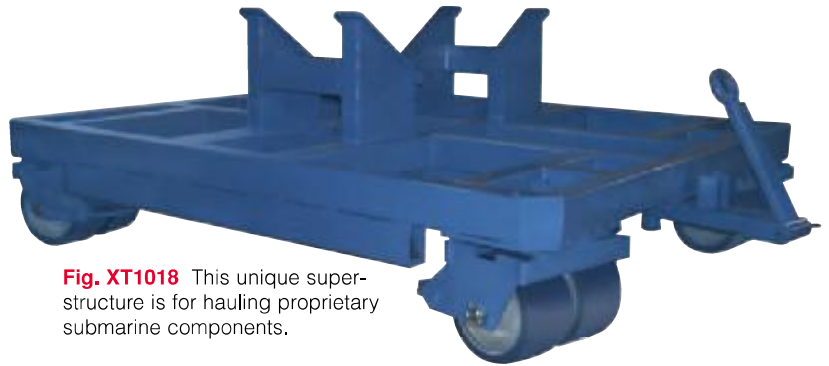
**Fig. XT0494** - The V-shaped superstructure has a resilient rubber surface for holding printing press rollers.



**Fig. 7272** Heavy Duty Skid Trailer is designed with fork guides mounted to fifth wheel for forklift operation.



**Fig. 478** Six wheel platform truck enhances maneuverability, and permanent sides facilitate carrying large door panels.



**Fig. XT1018** This unique super-structure is for hauling proprietary submarine components.

**Fig. DS4440** Four-wheel steer trailer with reversible towing tongue facilitates bi-directional towing.



**Fig. XT1281** Six dual wheel Maxi-Duty casters support this dolly equipped with interior fork sockets on all sides.



**Fig. 476** Lightweight Aluminum A-Frame Truck used to carry large sheets of plywood, glass, doors or paneling.



**Fig. 0301** Sturdy Platform Truck with permanent end rack at one end and "stop" at the opposite end for retaining shower doors.



**Fig. 4057** "Broke" Paper Trailer features hinged door at rear and automatic couplers for towing.

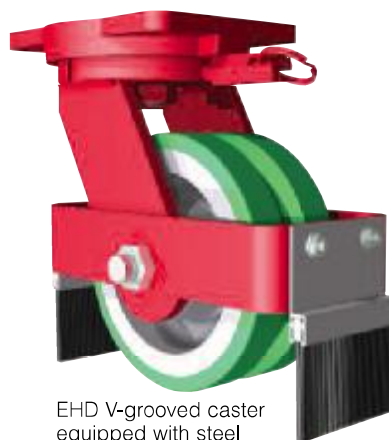
*These custom-engineered casters, wheels and trucks on these two pages are from actual customer orders. Our engineering creativity coupled with 3-D design software enabled the customer to preview the finished product before we ever cut the first piece of metal.*



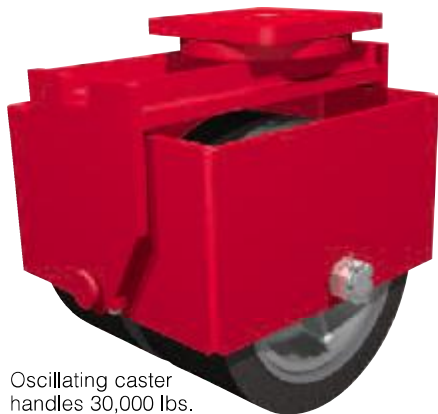
Poly-on-steel single flanged track wheel used on tumbler for washing parts.



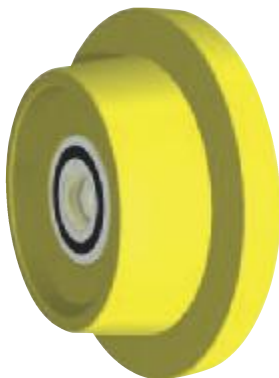
Double flanged wheel with stainless steel ball bearings for railroad application.



EHD V-grooved caster equipped with steel brushes for removing dirt from tracks.



Oscillating caster handles 30,000 lbs. loads on uneven floors.



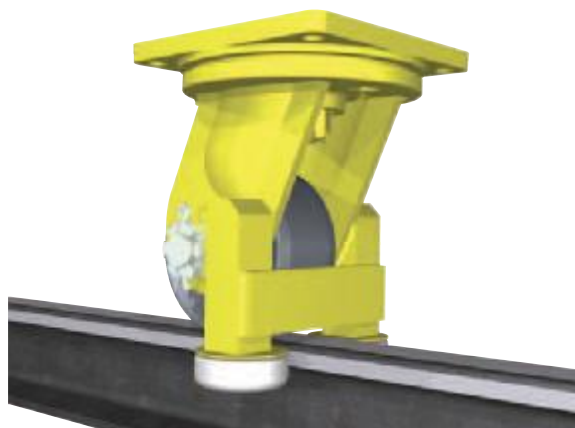
Special tapered face flanged trolley wheel for two-ton hoist.



Maxi-Duty based caster with Nylast® wheels and brake used on armored vehicle carrier.



4,000 lbs. capacity oscillating AGV caster.



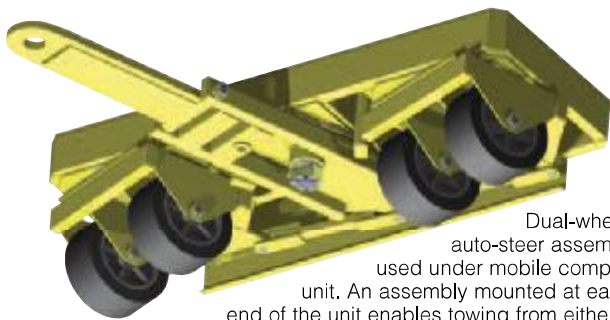
Maxi-Duty based swivel caster with guide rollers for circular track.



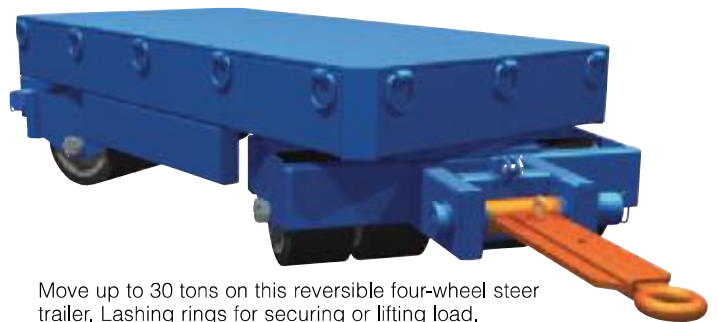
Fifth-wheel steer trailer with heavy duty automatic coupler bail rolls on solid pneumatic tires. Trailer hauls three ton loads from warehouse to air craft transport to destination.



All purpose Eleva-truck® with side compartments for awkward parts. Includes writing shelf and tool holder.



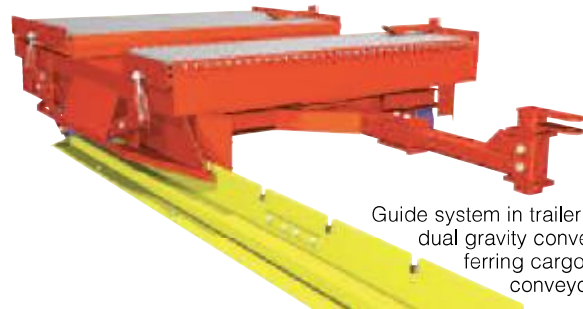
Dual-wheel auto-steer assembly is used under mobile compressor unit. An assembly mounted at each end of the unit enables towing from either end.



Move up to 30 tons on this reversible four-wheel steer trailer. Lashing rings for securing or lifting load.



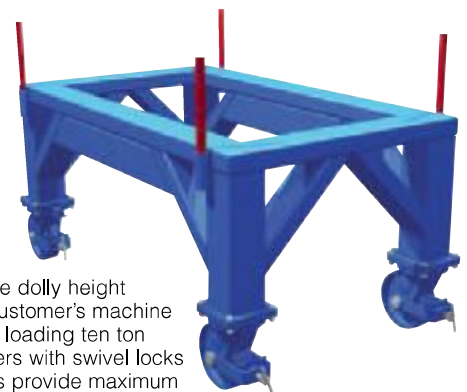
The protruding flanged track wheels facilitate a low overall deck height on this rail dolly. Removable pipe handles at both ends and grip handles welded to side frames.



Guide system in trailer activates dual gravity conveyors transferring cargo to stationary conveyor system.



Semi-live fifth-wheel skid trailer with removable stakes.



Open frame dolly height matches customer's machine for ease of loading ten ton dies. Casters with swivel locks and brakes provide maximum maneuverability and flexibility.

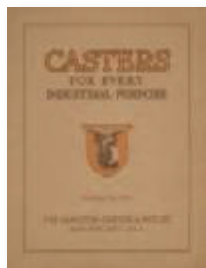
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EHS	.S/R-EHS-6 etc.	.37
EPSD	.S/R-EPSD-63 etc.	.26-27
ES	.S/R-ES-6 etc.	.36-37
FM	.S/R-FM-6 etc.	.38-39
FT	.R- -FT35 etc.	.70
GS	.S/R-GS-3 etc.	.51
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D	.Duralast®, W-315-D etc...	.75
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HHP	.Hi-Heat Plastex, W-412-HHP etc...	.80
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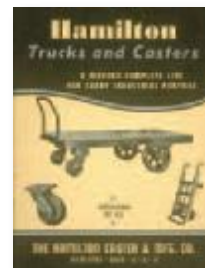
Since our first publication in 1917, Hamilton catalogs have been the premier buyer's selection guide for casters, wheels and trucks.



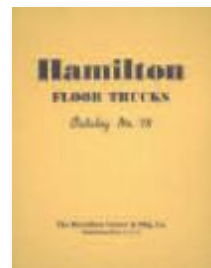
1920's



Early 1930's



Late 1930's



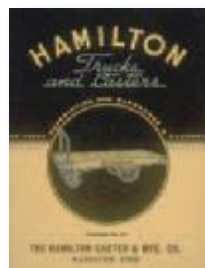
1951



1917



1920's



Mid 1930's



Mid 1940's

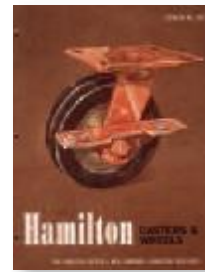


1954



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1968



1988



1975



1988



1977



1991



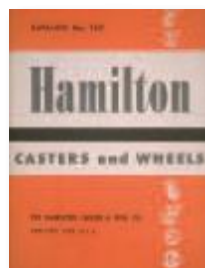
1978



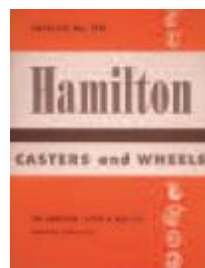
1999



1957



1961



1965



1982



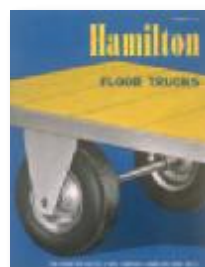
2002



1959



1963



1967



1983



2008

