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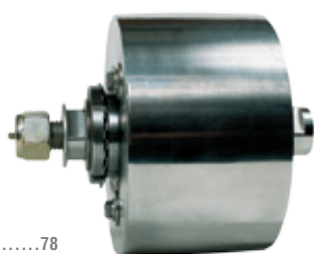
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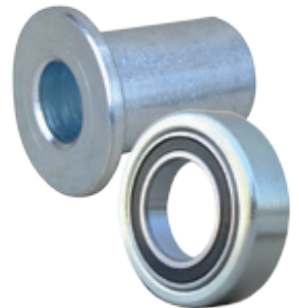
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## WHEEL TYPES

### FURNITURE



### DESIGNER



### LIGHT DUTY



### NYLON



### RUBBER



### MEDIUM DUTY



### HEAVY DUTY



### HIGH CAPACITY



### POLYURETHANE



## HOW TO CHOOSE A WHEEL OR CASTOR

### WHAT LOAD CAPACITY DO I NEED?

1. Take the total load weight of your project (e.g. I'm making a trolley that needs to hold 500kg)
2. Divide that number by the quantity of castors to be used (e.g. I'm going to use 4 castors for my trolley)
3. Now you have the capacity required per castor! (e.g. 500kg divided by 4 = 125kg per castor)

### CAST IRON



### WHICH TYPE OF WHEEL DO I NEED?

#### NYLON

Low rolling resistance, durable, non-marking, ideal for hard, smooth surfaces and outside/wet environments

#### RUBBER

Shock absorbing, non-marking, ideal for timber/vinyl/concrete flooring

#### POLYURETHANE

Hard wearing, quiet operation, low rolling resistance, non-marking, ideal for timber/vinyl/concrete flooring

#### CAST IRON

High capacity, low rolling resistance, abrasive and heat resistant

### PLATE FIXING



### WHICH FIXING TYPE DO I NEED?

#### 1. PLATE TYPE

Best supported fitting, either bolt or weld to the product.

#### 2. BOLT TYPE

Ideal for fixing into tube, for trolleys and display equipment.

### BOLT FIXING



- » Swivel (for multi direction)
- » Rigid (for straight lines)
- » Brake (for locking castor wheels)

# GLOSSARY OF TERMS

## DEFINITIONS & CODE ABBREVIATIONS

### CASTORS:

**Rigid Castor:** Non-swivelling castor

**Swivel Castor:** Swivel rotates without restriction

### BRAKES:

**Wheel Brake:** Prevents the wheel from rotating

**Directional Lock:** Locks the swivel in any direction

**Swivel Lock & Brake:** Simultaneously brakes the wheel and locks the swivel in any direction





<b>4WD</b> .....	4 Way Directional Lock	<b>AS</b> .....	Anti Static
<b>CI</b> .....	Cast Iron	<b>CG</b> .....	C Groove
<b>DF</b> .....	Double Flange	<b>DV</b> .....	Drive Wheel
<b>NY</b> .....	Nylon	<b>PU</b> .....	Polyurethane
<b>PS</b> .....	Solid Polyurethane	<b>RR</b> .....	Rebound Rubber
<b>RN</b> .....	Rubber on Nylon	<b>SF</b> .....	Single Flange
<b>S</b> .....	Swivel	<b>SP</b> .....	Semi Pneumatic
<b>SN</b> .....	Solid Pneumatic	<b>BT</b> .....	Beam Trolley
<b>VG</b> .....	V Groove	<b>D</b> .....	Directional Lock
<b>B</b> .....	Brake or Swivel Lock & Brake	<b>IR</b> .....	Institutional Rubber
<b>CR</b> .....	Cushion Rubber	<b>RG</b> .....	Rope Groove
<b>ER</b> .....	Elastic Rubber	<b>SLB</b> .....	Swivel Lock & Brake (Total Brake)
<b>PN</b> .....	Pneumatic	<b>TG</b> .....	Threadguard
<b>R</b> .....	Rigid		
<b>RT</b> .....	Rubber Tyre on Cast Iron		
<b>SG</b> .....	Spheroidal Graphite Iron		
<b>SR</b> .....	Solid Rubber		

### CASTOR COLOUR CODES

							
<b>Furniture</b>	<b>DesignR</b>	<b>Light Duty</b>	<b>Medium Duty</b>	<b>Stainless</b>	<b>Chrome</b>	<b>Heavy Duty</b>	<b>High Capacity</b>

**Please note:** These colour codes only apply to our castors found between pages # and #. After this point colour codes cease to apply.

### BEARING TYPES

<b>PLAIN</b>		<b>PLAIN BORE WHEELS</b> are normally polypropylene, nylon or cast iron and are suitable for lighter loads where rolling resistance is not as important. They are used in very wet, corrosive or high heat conditions where better bearings would not survive.
<b>ROLLER</b>		<b>ROLLER BEARINGS</b> are suitable for medium duty applications. If kept well greased, they can cope with some dirt or water. Best service is given on hardened axles. These bearings do not require axial adjustment.
<b>PRECISION BALL</b>		<b>PRECISION DEEP GROVE BALL BEARINGS</b> are fitted to most of our heavy duty wheels. Such wheels have very low rolling resistance and are normally provided with double seal bearings that are 'sealed for life.' If the application required regular greasing, grease nipples can be fitted.
<b>TAPER ROLLER</b>		<b>TAPER ROLLER BEARINGS</b> are the best choice for power towing applications and have the highest carrying capacity. All wheels with taper roller bearings are fitted with oil seal sleeves. The axle design must allow for fine adjustment of distance between bearing cones

**WARRANTY:** Please see [www.richmondau.com](http://www.richmondau.com) for warranty document as well as Conditions of Use, Fitting, and Maintenance Guidelines.

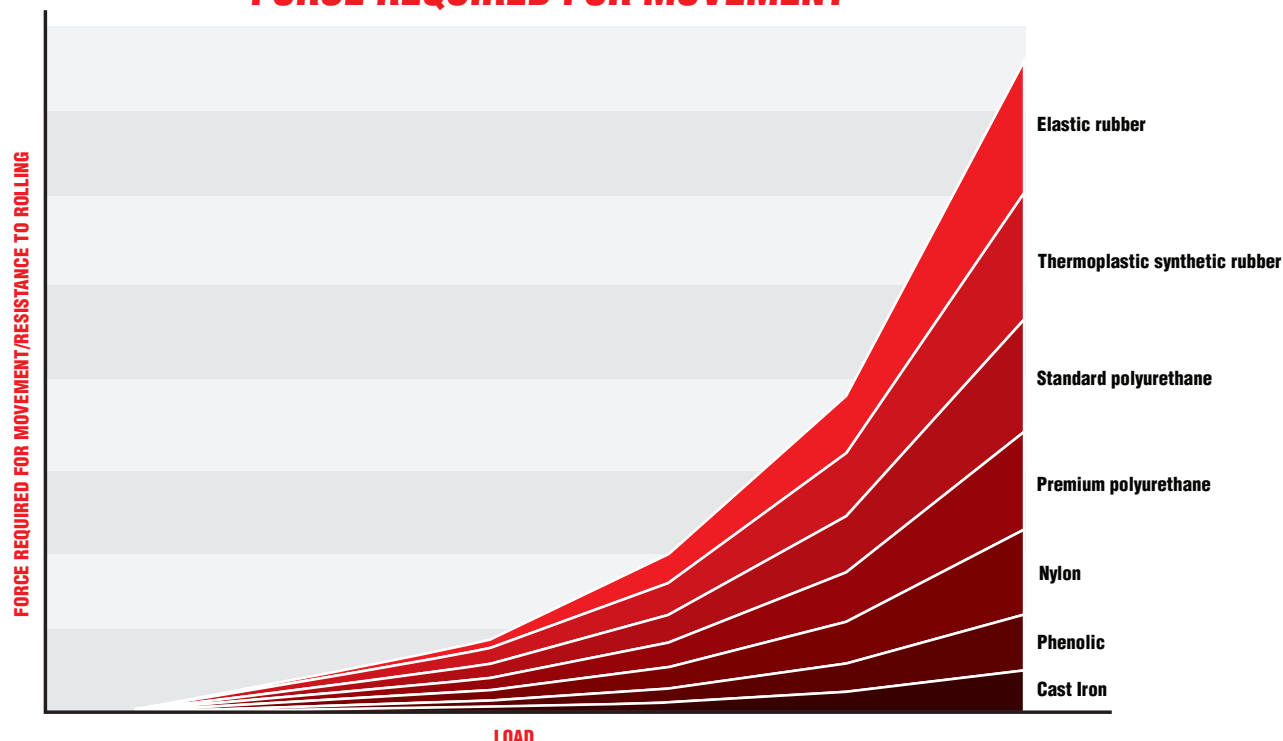
# ROLLING RESISTANCE & CASTOR MOUNTING OPTIONS

## ROLLING RESISTANCE

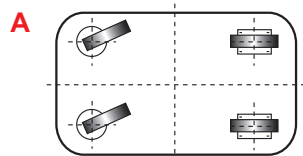
The ease of moving a piece of equipment is determined by the resistance of the wheels to rolling (known as Rolling Resistance). Rolling resistance is described as "that effort required to move the equipment from rest and keep it moving." The easiest rolling is achieved by hard tyred wheels on a hard smooth surface. However, if the wheels must overcome obstacles from rest, then the effort required includes the force needed to lift the wheels over the obstructions. Resilient tyred wheels (e.g. pneumatic tyred wheels) roll over these obstructions more easily, while both bearing wheels and larger wheels make it more and more easier.

With so many variations to consider, the only realistic measurement of rolling resistance is actual site testing. Wheels are usually much cheaper to replace than the floors they run on. Cast iron wheels can damage concrete, especially if rolled over the same area. Nylon wheels are a good compromise and are long lasting. Rubber tyred wheels offer good protection, but are unable to carry the higher loads required of modern equipment. Polyurethane tyred wheels will not damage or mark floors and can carry high loads. Both cast iron and nylon wheels can often be noisy in operation. In areas where low noise levels are important, rubber or polyurethane tyred wheels are the best choice.

## FORCE REQUIRED FOR MOVEMENT

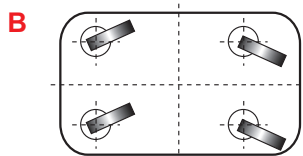


**NOTE:** Graph provides relative differences between wheel types assuming 150mm diameter wheels with precision ball bearings. Detailed advice can be given on request as many other factors need to be taken into account.



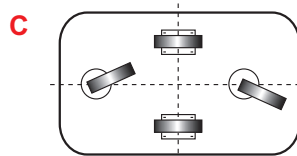
### Swivel castors / fixed castors

This solution offers excellent load bearing capacity and manoeuvrability and eliminates the danger of overturning uneven loads.



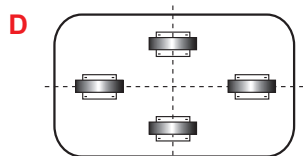
### Swivel castors

This solution is recommended for trolleys which will be required to work in confined spaces and will be pushed or pulled from all sides. It offers the advantage of excellent manoeuvrability and load capacity.



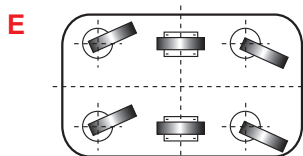
### Swivel castors / fixed castors

This solution combines an excellent load capacity with equally good manoeuvrability. The load is borne by the two central fixed wheels and the pivoting wheels. There is a danger of overturning if the load is off centre and the trolley is pulled from the side.



### Fixed castors

This solution is recommended for medium-sized loads and trolleys moved predominantly in a straight line. With no rotating parts on the castors, maintenance is kept to a minimum.



### Swivel castors / fixed castors

This is the best solution for large trolleys intended for heavy loads. It offers excellent load capacity and manoeuvrability with perfect stability. The trolley may be pushed or pulled from either of the ends with pivoting castors will pivot on half in length.



# FURNITURE SERIES CASTORS

Richmond's Furniture Castor range is made to suit most office furniture including chairs, trolleys and light duty cabinets such as TV units and display racking.

An economic and attractive twin wheel hooded design which is perfect for DIY retro fitting and to return rolling functionality to your furniture.

Available with a range of fittings to suit your application these castors are hard wearing and easy rolling over carpeted surfaces.

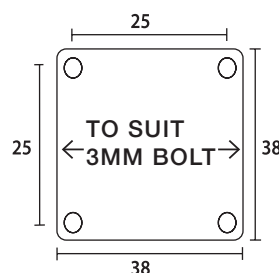


S50PT

## SPECIFICATIONS & FITTINGS

### TWIN WHEEL PLATE CASTOR

Diameter (mm)	Width (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Swivel Code
50	43	Nylon	Plain	40/25	63	50	S50PT



### TWIN WHEEL GRIP NECK CASTOR

Diameter (mm)	Width (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Swivel Code
50	43	Nylon	Plain	40/25	63	50	S51GN

The GN stem furniture castor is made to fit knock-in sockets

### TWIN WHEEL THREADED STEM CASTOR

Diameter (mm)	Width (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Swivel Code
50	43	Nylon	Plain	40/25	63	50	S52TH

The threaded stem furniture castor is made with a 3/8" (D) x 3/4" (L) BSW thread (suitable for most Australian beds)

### TWIN WHEEL FRICTION STEM CASTOR

Diameter (mm)	Width (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Swivel Code
50	43	Nylon	Plain	40/25	63	50	S53WC

The friction stem on this castor measures 11mm (D) x 25mm (L) (fits most office chairs)

### BRAKE OPTIONS:

B = Brake To order castors with Brake add B to end of swivel code e.g. S50B



S51GN



S52TH



S53WC

Pintle	Pintle Code	Pintle Type	To Suit Castor
	PINTLER01	For 12.7mm ID Round Tube	S51GN
	PINTLER03	For 19.0mm ID Round Tube	S51GN
	PINTLER04	For 22.0mm ID Round Tube	S51GN
	PINTLER07	For 16.0mm ID Round Tube	S51GN
	PINTLER05	Grip Neck to suit Timber	S51GN
	PINTLES01	For 16.0mm ID Square Tube	S51GN
	PINTLES02	For 22.0mm ID Square Tube	S51GN
	PINTLER02	For 19.0mm ID Round Tube C/W 3/8" BSW Thread	S52TH
	PINTLER06	For 22.0mm ID Round Tube C/W 3/8" BSW Thread	S52TH
	PINTLES03	For 22.0mm ID Square Tube C/W 3/8" BSW Thread	S52TH
	PINTLES04	For 19.0mm ID Square Tube C/W 3/8" BSW Thread	S52TH

# DESK CASTORS

Richmond's Desk Castors are made to suit most office furniture including light duty cabinets and display units. The 'U' shape mounting makes fixing the castor to 16mm-19mm thick MDF, chipboard & timber desks quick and simple, whilst providing a sturdy fit and full manoeuvrability of the swivel.

This castor is perfect for DIY retro fitting and to return rolling functionality to your furniture.



S54



## SPECIFICATIONS

Diameter (mm)	Width (mm)	Height (mm)	Wheel Type	Load Capacity (kg)	Swivel Radius	U Bracket Size (mm)	Swivel Code
50	46	61	Nylon	35/20	68	16 x 35	S54
50	46	61	Nylon	35/20	68	19 x 35	S57

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add B to end of swivel code e.g. S54B

As a rule of thumb if a standard HB hex pencil slides into the threaded hole in the bed, it is 3/8

# BED LEG CASTORS

Suitable to fit most major beds, Richmond's range of Bed Castors, Lockable Bed Castors and Glides provide an economical solution to reinvigorate the life of your bed base.

This range is hard wearing and durable, easily rolling over carpeted surfaces without pulling the pile. These castors are also an ideal addition to furniture and can provide additional clearance to allow storage under a TV or display unit.

Available with two different thread options for simple installation.

**Warning - May mark soft floors.**



BEDLEG001



## SPECIFICATIONS

Part Type	Height (mm)	Thread Length (mm)	Thread Type	Load Capacity (kg)	Part Number
CASTOR	135	28	5/16 BSW	40	BEDLEG001
CASTOR w/ BRAKE	135	28	5/16 BSW	40	BEDLEG002
CASTOR	135	28	3/8 BSW	40	BEDLEG003
CASTOR w/ BRAKE	135	28	3/8 BSW	40	BEDLEG004
GLIDE	135	28	5/16 BSW	40	BEDLEG005
GLIDE	135	28	3/8 BSW	40	BEDLEG006



BEDLEG004



BEDLEG005

As a rule of thumb if a standard HB hex pencil slides into the threaded hole in the bed, it is 3/8.

# FURNITURE DOLLIE

These dollies are specifically designed for moving furniture, appliances and more.

Features include a concave centre that makes moving items with legs easier and a padded surface to protect objects from damage. Constructed using three 1½" swivel castors, providing easy mobility for oversized objects.



TRICASTOR30

## SPECIFICATIONS & FITTINGS



Wheel Diameter (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Product Code
32	Polypropylene	Plain	100	50	135	TRICASTOR30

# HEAVY DUTY DOLLIE

With a heavy duty, robust top plate and a high load capacity, these dollies can manoeuvre heavy loads with ease, even in tight spaces.

Ideal for theatrical and stage equipment, this heavy duty dolly has a load capacity of 300kg.

Richmond can custom design and manufacture heavy duty dollies up to 20 tonne to suit to customers requirements.

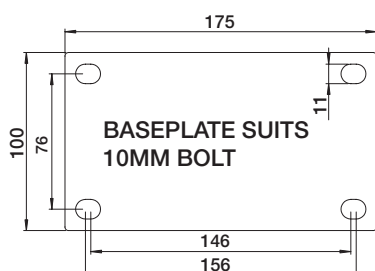


TRICASTOR7

## SPECIFICATIONS & FITTINGS



Wheel Diameter (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Product Code
100	Poly Nylon	Ball	300	170	190	TRICASTOR7



12 TONNE MECHANICAL SKATE DOLLIE  
600SKATE5-12TON



# StyleR CASTORS

The styleR range of castors are perfect for light duty applications that require your castors to be the star of the show.

Featuring a bright chrome finish, these clear wheel polyurethane castors can hold up to 95kg each, making them ideal for use at home, in the office or in the hospitality industry. Non-marking wheels ensure that soft and timber floors are not damaged.



S2032

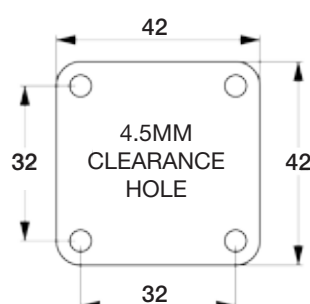


## SPECIFICATIONS & FITTINGS - PLATE TYPE

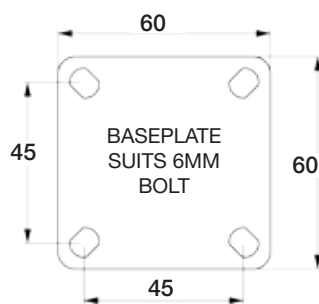
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius (mm)	With Brake (mm)	Swivel Code
50	20	PU/Clear	N/A	Plain	40kg	65	42	55	S2032
75	23	PU/Clear	N/A	Plain	80kg	100	60	75	S3044
100	25	PU/Clear	N/A	Plain	95kg	125	80	85	S4242

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add B to end of swivel code e.g. S2032B \*Wheel Brake only



50mm swivel castor



75mm & 100mm swivel castor



S3044B



S3042B

## SPECIFICATIONS & FITTINGS - BOLT TYPE

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius (mm)	With Brake (mm)	Thread Size (mm)	Swivel Code
50	20	PU/Clear	N/A	Plain	40kg	67	42	55	M10x15	S2030
75	23	PU/Clear	N/A	Plain	80kg	100	60	75	M10x15	S3042

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add B to end of swivel code e.g. S2030B \*Wheel Brake only



The designR range of castors are perfect for applications that require your castors to be on display.

Richmond's new light duty designR range have a maximum load capacity of 55kg per castor, making them ideal for use on furniture in the home or office. Offering a distinct smooth and modern polished chrome finish with a non-marking polyurethane wheel, these designR castors will compliment any interior.



S3036B



## SPECIFICATIONS & FITTINGS - PLATE TYPE



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Swivel Code
60	13	PU/Grey	N/A	Ball	40kg	95	60	60	S3036
75	13	PU/Red	N/A	Ball	55kg	110	75	75	S3040

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add B to end of swivel code e.g. S3036B

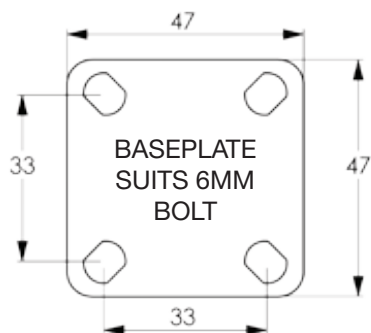
## SPECIFICATIONS & FITTINGS - BOLT TYPE



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Thread (mm)	Swivel Code
60	13	PU/Grey	N/A	Ball	40kg	90	60	60	M10 x 15	S3034
75	13	PU/Red	N/A	Ball	55kg	105	75	75	M10 x 15	S3038

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add B to end of swivel code e.g. S3034B



S3040B



S3038B



S3034B

# UTILITY SERIES BOLT CASTORS

Ideal for light duty applications including wire baskets, display equipment and light trolley applications, Richmond's Utility Series Bolt Castors offers a corrosion resistant attractive zinc plated finish in a pressed metal construction.

A choice of a nylon wheel or non-marking grey rubber adds to the versatility of this castor.

The ability to add various pintle fittings for round or square tubing ensures maximum functionality and performance.



S3714B



## SPECIFICATIONS & FITTINGS



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Bolt Hole Size (mm)	Swivel Code
50	20	Inst Rubber	-	Ball	30/20	68	49	75	10	S2714
50	20	Nylon	-	Plain	30/20	68	49	75	10	S2712
75	25	Inst Rubber	IR3301	Ball	50/40	98	65	85	10	S3714
75	25	Nylon	NY3324	Plain	50/40	98	65	85	10	S3712
100	25	Inst Rubber	IR4401	Ball	70/60	131	90	100	10	S4714
100	25	Nylon	NY4415	Plain	70/60	131	90	100	10	S4712

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add B to end of swivel code e.g. S3714B

See page 96 for Solid and Threaded pintle options

## NYLON EXPANDING PINTLES

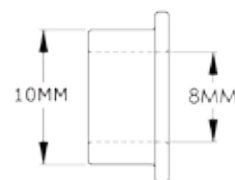
Pintle	Pintle Code	Pintle Type
	UTI10-P1	For 19mm ID Round Tube
	UTI10-P2	For 22mm ID Round Tube
	UTI10-P3	For 28.5mm ID Round Tube
	UTI10-P4	For 19mm ID Square Tube
	UTI10-P5	For 22mm ID Square Tube
	UTI10-P6	For 28.5mm ID Square Tube
	Single Bolt Fitting 10mm Various Bolt Lengths Available	



S2714



S3712



Reduction bush available to suit 8mm fittings, code 100RED1008UTI

### CASTOR FITTING REQUIREMENTS

To fit this castor to a 20mm thick base requires a 40mm x 10mm set screw



# UTILITY SERIES

## PLATE CASTORS

Plate mounted, Richmond's Utility Castor has endless light duty applications, adding mobility to many useful items including wire baskets, display equipment and light trolley applications.












Its zinc plated, pressed metal construction provides an attractive corrosion resistant finish. Together with a choice of nylon or grey non-marking wheels, this castor is truly a utility by name and nature, a must have for all small fabricating, retail and home handy man purposes.



S3710B



## SPECIFICATIONS & FITTINGS

										
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
50	20	Inst Rubber	-	Ball	30/25	69	50	77	R2711	S2710
50	20	Nylon	-	Plain	30/25	69	50	77	R2709	S2708
75	25	Inst Rubber	IR3301	Ball	50/40	98	65	85	R3711	S3710
75	25	Nylon	NY3324	Plain	50/40	98	65	85	R3709	S3708
100	25	Inst Rubber	IR4401	Ball	70/60	134	90	100	R4711	S4710
100	25	Nylon	NY4415	Plain	70/60	134	90	100	R4717	S4716

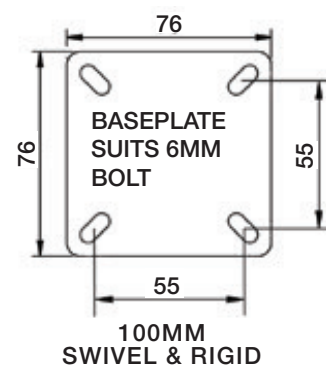
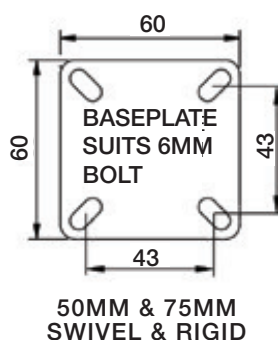
### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add **B** to end of swivel code e.g. **S3708B**



S3708B

**BASEPLATE  
DIMENSIONS  
& DRILLING  
PATTERNS  
FOR SWIVEL &  
RIGID CASTORS**



# UTILITY SERIES

## TWIN WHEEL CASTORS

The twin wheel low profile design not only increases manoeuvrability but also load capacity of the Richmond Utility Castor.

Available in a plate or bolt fitting this castor is commonly used in shop fitting applications, light duty cabinets, home entertainment units and other furniture.

Its zinc plated, pressed metal construction provides an attractive corrosion resistant finish and is available with the choice of nylon or grey non-marking wheels.



S2718



## SPECIFICATIONS & FITTINGS

### TWIN WHEEL PLATE CASTOR



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Swivel Code
50	2 x 20	Rubber	-	Ball	70/60	71	60	80	S2718
50	2 x 17	Nylon	-	Plain	70/60	71	60	80	S2716
75	2 x 25	Rubber	-	Ball	100/90	101	70	100	S3718
75	2 x 25	Nylon	-	Plain	100/90	101	70	100	S3716

### TWIN WHEEL BOLT CASTOR

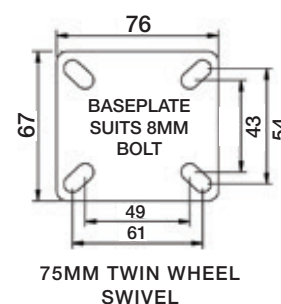
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Bolt Hole Size (mm)	Swivel Code
50	2 x 20	Rubber	-	Ball	70/60	71	60	83	10	S2722
50	2 x 17	Nylon	-	Plain	70/60	71	60	83	10	S2720
75	2 x 25	Rubber	-	Ball	100/90	98	70	100	12	S3722
75	2 x 25	Nylon	-	Plain	100/90	98	70	100	12	S3720

### BRAKE OPTIONS:

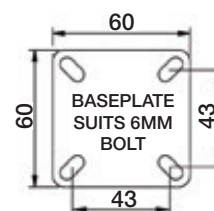
**B = Brake** To order castors with **Brake** add **B** to end of swivel code e.g. **S2716B**

## NYLON EXPANDING PINTLES

Pintle	Pintle Code	Pintle Type	Pintle	Pintle Code	Pintle Type
	UT110-P1	For 19mm ID Round Tube		S2722-WC	Friction Stem
	UT110-P2	For 22mm ID Round Tube			
	UT110-P3	For 28.5mm ID Round Tube			
	UT110-P4	For 19mm ID Square Tube		S2722-GN	Grip Neck
	UT110-P5	For 22mm ID Square Tube			
	UT110-P6	For 28.5mm ID Square Tube			



75MM TWIN WHEEL SWIVEL



50MM SWIVEL

### CASTOR FITTING REQUIREMENTS

To fit this castor to a 20mm thick base requires a 40mm x 10mm set screw. Reduction bush 100RED1008UTI available to fit castors with an 8mm set screw

\*Also see page 96 for Solid and Threaded pintle options

# LIGHT INDUSTRIAL SERIES CASTORS

Available with a large variety of wheels each designed to suit different floor surfaces, applications and load requirements – Richmond's Light Industrial Series castors are ideal for use on mobile equipment, in hospitals, nurseries, shops and general industry.

The light industrial series is the castor of choice for produce bins used by green grocers, market stalls and others as it provides an economical hard wearing reliable castor. It combines a zinc plated corrosion resistant frame and a robust twin race swivel which ensures a long and productive life.



## SPECIFICATIONS & FITTINGS

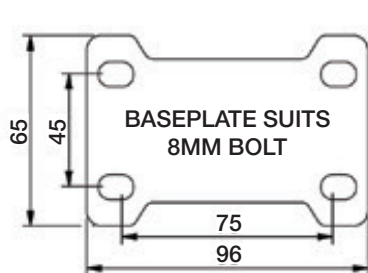
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
75	32	Inst Rubber	IR3008	Ball	80/45	108	71	108	R3313	S3312
75	32	Reb Rubber	RR3348	Ball	80/45	108	71	108	R3351	S3350
75	32	Poly Nylon	PU3344	Ball	80/45	108	71	108	R3311	S3310
75	30	Nylon	NY3321	Plain	125/100	108	71	108	R3305	S3304
75	32	Cast Iron	CI3340	Plain	125/100	108	71	-	R3307	S3306*
100	32	Inst Rubber	IR4007	Ball	100/80	131	84	110	R4426	S4425
100	32	Reb Rubber	RR4473	Ball	100/80	131	84	110	R4405	S4404
100	32	Poly Nylon	PU4444	Ball	100/80	131	84	110	R4423	S4422
100	30	Nylon	NY4417	Plain	125/100	131	84	110	R4407	S4406
100	30	GF Nylon	GF4420	Plain	125/100	131	84	-	R4403	S4402*
100	32	Hi-Temp Polymer	HT478	Ball	125/100	131	84		R4471	S4470
100	36	Aluminium	AL472	Oilless Bush	125/100	131	84	-	R4381	S4380
100	36	Aluminium	AL471	Bronze Bush	125/100	131	84	-	R4415	S4414
125	32	Inst Rubber	IR5007	Ball	100/80	160	100	110	R5526	S5525
125	32	Reb Rubber	RR5573	Ball	100/80	160	100	110	R5505	S5504
125	32	Poly Nylon	PU5555	Ball	100/80	160	100	110	R5523	S5522
125	30	Nylon	NY5517	Plain	125/100	160	100	110	R5507	S5506

### BRAKE OPTIONS:

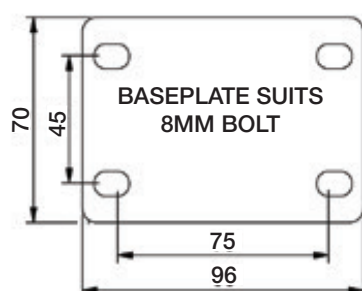
**B = Brake** To order castors with Brake add B to end of swivel code e.g. S5504B

Castors marked \* are not available with brakes. indicates castors suitable for high/low temperature applications.

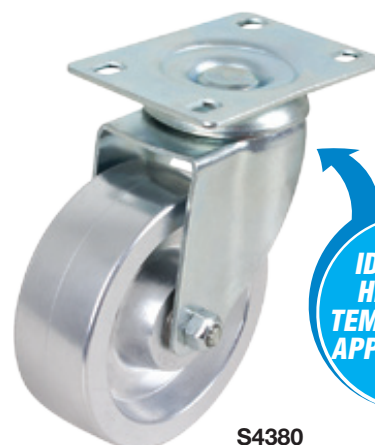
### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR LIGHT INDUSTRIAL CASTORS



75 -125MM RIGID CASTOR



75 -125MM SWIVEL CASTOR



S4380

**IDEAL FOR  
HIGH/LOW  
TEMPERATURE  
APPLICATIONS**



# ZINC DUROLITE SERIES

## BOLT AND PLATE CASTORS

Available with a wide range of wheels, the Zinc Durolite Series is commonly used on a vast array of mobile equipment. The castors are enhanced by a twin swivel race ensuring longevity and making them ideal for use in hospitals, retail environments and general industry.

Zinc Durolite Series castors feature a bolt hole for bolt or pintle fitting or baseplate designed for flexibility, with the bolt holes being slotted on an angle to give users a multitude of mounting options. This allows the castors to be matched with American and imported castors. The baseplate design also matches European standards for a growing number of uses and equipment.



S6081B

## SPECIFICATIONS & FITTINGS

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Bolt Hole Size (mm)	Swivel Code
75	32	Inst Rubber	IR3008	Ball	80/45	107	71	105	12	S3080 #
75	32	Reb Rubber	RR3348	Ball	80/45	107	71	105	12	S3355 #
75	32	Poly Nylon	PU3344	Ball	80/45	107	71	105	12	S3330 #
75	30	Nylon	NY3321	Plain	80/45	107	71	105	12	S3326 #
100	32	Inst Rubber	IR4007	Ball	100/80	133	90	106	12	S4080
100	32	Anti Static	AS4005	Ball	100/80	133	90	106	12	S4493
100	32	Reb Rubber	RR4473	Ball	100/80	133	90	106	12	S4483
100	32	Poly Nylon	PU4444	Ball	100/80	133	90	106	12	S4484
100	30	Nylon	NY4417	Plain	100/80	133	90	106	12	S4485
125	32	Inst Rubber	IR5007	Ball	100/80	159	102	106	12	S5080
125	32	Anti Static	AS5005	Ball	100/80	159	102	106	12	S5593
125	32	Reb Rubber	RR5573	Ball	100/80	159	102	106	12	S5583
125	27	Poly Nylon	PU5555	Ball	100/80	159	102	106	12	S5584
125	30	Nylon	NY5517	Plain	100/80	159	102	106	12	S5585
150	32	Inst Rubber	IR6009	Ball	100/80	187	125	125	12	S6080
150	30	Poly Nylon	PU6660	Ball	100/80	187	125	125	12	S6081

### BRAKE OPTIONS:

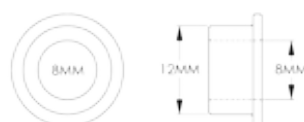
**BR** = Red Brake **D** = Green Directional Lock To order castors with Brake add **BR** or **D** to end of swivel code e.g. **S6080BR**

All brakes are Swivel, Lock & Brake. Castors marked # are not available with directional lock.

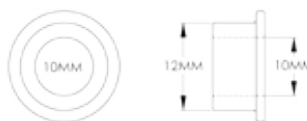
## NYLON EXPANDING PINTLES

Pintle	Pintle Code	Pintle Type
	<b>OBT12-P1</b>	For 19mm ID Round Tube
	<b>OBT12-P2</b>	For 22mm ID Round Tube
	<b>OBT12-P3</b>	For 28.5mm ID Round Tube
	<b>OBT12-P4</b>	For 19mm ID Square Tube
	<b>OBT12-P5</b>	For 22mm ID Square Tube
	<b>OBT12-P6</b>	For 28.5mm ID Square Tube

\*Also see page 96 for Solid and Threaded pintle options



Reduction bushes available to suit 8mm fittings, code 100RED12080BT



Reduction bushes available to suit 10mm fittings, code 100RED12100BT



S4483

## CASTOR FITTING REQUIREMENTS

To fit this castor to a 20mm thick base requires a 50mm x 12mm set screw. Reduction bush 100RED12100BT available to allow fitting with 10mm set screw.

# ZINC DUROLITE SERIES

## PLATE CASTORS



S3102



S4110B



S5104



## SPECIFICATIONS & FITTINGS

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
75	32	Inst Rubber	IR3008	Ball	80/45	107	71	105	R3105	S3104 #
75	32	Reb Rubber	RR3348	Ball	80/45	107	71	105	R3117	S3116 #
75	32	Poly Nylon	PU3344	Ball	80/45	107	71	105	R3107	S3106 #
75	30	Nylon	NY3321	Plain	80/45	107	71	105	R3103	S3102 #
100	32	Inst Rubber	IR4007	Ball	100/80	135	90	106	R4105	S4104
100	32	Anti Static	AS4005	Ball	100/80	135	90	106	R4121	S4120
100	32	Reb Rubber	RR4473	Ball	100/80	135	90	106	R4111	S4110
100	32	Poly Nylon	PU4444	Ball	100/80	135	90	106	R4107	S4106
100	30	Nylon	NY4417	Plain	100/80	135	90	106	R4103	S4102
100	36	Aluminium	AL472	Oilless bush	125/100	133	90	-	R4113	S4112 *
125	32	Inst Rubber	IR5007	Ball	100/80	161	102	106	R5105	S5104
125	32	Anti Static	AS5005	Ball	100/80	161	102	106	R5121	S5120
125	32	Reb Rubber	RR5573	Ball	100/80	161	102	106	R5111	S5110
125	32	Poly Nylon	PU5555	Ball	100/80	161	102	106	R5107	S5106
125	30	Nylon	NY5517	Plain	100/80	161	102	106	R5103	S5102
150	32	Inst Rubber	IR6009	Ball	100/80	190	125	125	R6105	S6104
150	30	Poly Nylon	PU6660	Ball	100/80	190	125	125	R6107	S6106

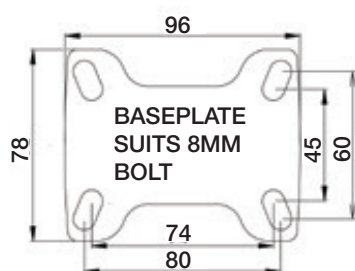
### BRAKE OPTIONS:

**B** = Swivel Lock & Brake **D** = Green Directional Lock To order castors with Brake add **B** or **D** to end of swivel code e.g. **S4410B**

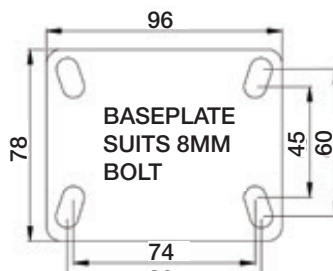
Castors marked # are not available with Directional Locks. Castors marked \* are not available with brakes.

🔥 indicates castors suitable for high/low temperature applications.

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR ZINC DUROLITE CASTORS



RIGID



SWIVEL



R4113

# CHROME DUROLITE SERIES SINGLE BOLT CASTORS

Truly the best looking durable castor in its class. Richmond's Chrome Durolite Series is ideal for use in hospitals, institutions, nursing homes and an attractive addition to furniture and retail displays.

The pressed metal frame and chrome finish combines both strength and corrosion resistance.

A robust twin swivel race design provides durability and longevity in the workplace.



S5569



## SPECIFICATIONS & FITTINGS



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Bolt Size (mm)	Swivel Code
75	30	Inst Rubber	IR3008	Ball	80/45	105	76	105	12	S3380 #
75	30	Poly Nylon	PU3344	Ball	80/45	105	76	105	12	S3381 #
100	32	Inst Rubber	IR4004	Ball	100/80	133	90	106	12	S4480
100	32	Anti Static	AS4005	Ball	100/80	135	90	106	12	S4469
100	27	Poly Nylon	PU4444	Ball	100/80	135	90	106	12	S4481
125	32	Inst Rubber	IR5004	Ball	100/80	159	102	106	12	S5580
125	32	Anti Static	AS5005	Ball	100/80	159	102	106	12	S5569
125	27	Poly Nylon	PU5554	Ball	100/80	159	102	106	12	S5581
150	32	Inst Rubber	IR6009	Ball	100/80	187	125	125	12	S6680
150	30	Poly Nylon	PU6660	Ball	100/80	187	125	125	12	S6681
150	30	Nylon	NY6617	Plain	125/100	187	125	125	12	S6682

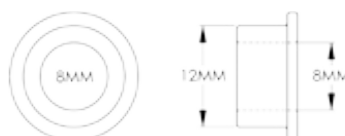
### BRAKE OPTIONS:

BR = Red Brake BG = Grey Brake D= Green Directional Lock To order castors with Brake add BR, BG or D to end of swivel code e.g. S6682BR

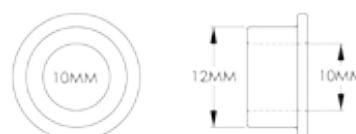
Castors marked # are not available with directional locks. Grey plastic brake available. All brakes are Swivel, Lock & Brake.

## NYLON EXPANDING PINTLES

Pintle	Pintle Code	Pintle Type
	IPN12-P1	For 19mm ID Round Tube
	IPN12-P2	For 22mm ID Round Tube
	IPN12-P3	For 28.5mm ID Round Tube
	INP12-P4	For 19mm ID Square Tube
	IPN12-P5	For 22mm ID Square Tube
	IPN12-P6	For 28.5mm ID Square Tube
	Single Bolt Fitting Various bolt lengths available	



Reduction bushes available to suit 8mm fittings, code 100RED12080BT



Reduction bushes available to suit 10mm fittings, code 100RED12100BT

\*Also see page 96 for Solid and Threaded pintle options

# CHROME DUROLITE SERIES PLATE CASTORS



S4486BR














S5574



R5575



## SPECIFICATIONS & FITTINGS

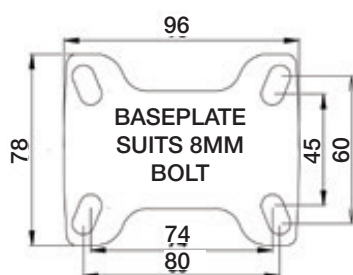
										
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
75	32	Inst Rubber	IR3008	Ball	80/45	107	70	105	R3375	S3374 #
75	32	Poly Nylon	PU3344	Ball	80/45	107	70	105	R3373	S3372 #
100	32	Inst Rubber	IR4004	Ball	100/80	135	90	106	R4475	S4474
100	32	Anti Static	AS4005	Ball	100/80	135	90	106	R4509	S4508
100	32	Poly Nylon	PU4444	Ball	100/80	135	90	106	R4487	S4486
125	32	Inst Rubber	IR5004	Ball	100/80	161	102	106	R5575	S5574
125	32	Anti Static	AS5006	Ball	100/80	161	102	106	R5565	S5564
125	32	Poly Nylon	PU5555	Ball	100/80	161	102	106	R5587	S5586
150	32	Inst Rubber	IR6009	Ball	100/80	190	125	125	R6675	S6674
150	30	Poly Nylon	PU6660	Ball	100/80	190	125	125	R6689	S6688
150	30	Nylon	NY6617	Ball	125/100	190	125	125	R6685	S6684

### BRAKE OPTIONS:

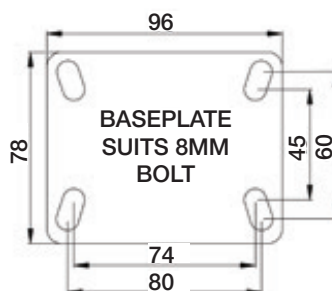
BR = Red Brake BG = Grey Brake D= Green Directional Lock To order castors with Brake add BR, BG or D to end of swivel code e.g. S6688BR

Castors marked # are not available with directional locks. All brakes are Swivel, Lock & Brake.

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR CHROME DUROLITE CASTORS



RIGID



SWIVEL



S6688B



# 300 SERIES

## BOLT HOLE AND PLATE CASTORS

Meeting and exceeding all performance standards due to its higher load bearing capacity, the 300 Series has a wide range of uses. A sturdy pressed metal castor with a variety of wheel fitting options, it can be purchased with bolt/pintle fitting or M2 plate. Richmond can also help identify the correct wheel for your application and environment.

A nylon wheel in the 300 series is most common for industrial and trolley applications, a rebound rubber wheel is ideal for road cases and transportable crates whilst a poly nylon wheel is best suited for undercover and showroom displays. Cast Iron, Poly Cast Iron and Aluminium wheels are other choices available within this series.



S5218B



## SPECIFICATIONS & FITTINGS

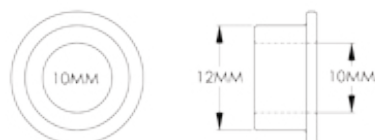


Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Bolt Hole Size (mm)	Swivel Code
100	35	Reb Rubber	RR4077	Ball	150/110	130	90	125	12	S4214
100	35	Reb Poly	RP4072	SS Roller	150/110	130	90	125	12	S4216
100	35	Poly Nylon	PU4408	Roller	200/150	130	90	125	12	S4218
100	38	Poly Ci	PU449	Ball	200/150	130	90	125	12	S4220
100	35	Nylon	NY401	Plain	200/150	130	90	125	12	S4222
100	35	Nylon	NY413	Ball	200/150	130	90	125	12	S4224
100	35	Nylon	NY403	Roller	200/150	130	90	125	12	S4226
100	35	Glass Nylon	GF414	Plain	200/150	130	90	125	12	S4228*
100	36	Aluminium	AL474	AL Bronze Bush	200/150	130	90	-	12	S4230 *
100	36	Aluminium	AL472	Oilless bush	200/150	130	90	-	12	S4232 *
100	38	Cast Iron	Ci421	Plain	200/150	130	90	125	12	S4234 *
100	38	Cast Iron	Ci400	Ball	200/150	130	90	125	12	S4236 *
125	35	Reb Rubber	RR5077	Ball	200/150	157	112	125	12	S5214
125	35	Reb Poly	RP5072	SS Roller	200/150	157	112	125	12	S5216
125	35	Poly Nylon	PU5508	Roller	200/150	157	112	125	12	S5218
125	35	Poly Ci	PU549	Ball	200/150	157	112	125	12	S5220
125	35	Nylon	NY501	Plain	200/150	157	112	125	12	S5222
125	35	Nylon	NY513	Ball	200/150	157	112	125	12	S5224
125	35	Nylon	NY503	Roller	200/150	157	112	125	12	S5226
150	50	Nylon	NY652	Plain	300/250	181	125	150	12	S6222
150	50	Nylon	NY613	Ball	300/250	181	125	150	12	S6224
150	45	Reb Rubber	RR6677	Ball	225/200	181	125	150	12	S6228
150	40	Reb Poly	RP6072	SS Roller	300/250	181	125	150	12	S6216

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add B end of swivel code e.g. S4214B

Castors marked \* are not available with brakes. indicates castors suited for high/low temperature applications.



Reduction bushes available to suit 10mm fittings, code 100RED12100BT

### CASTOR FITTING REQUIREMENTS

To fit this castor to a 20mm thick base requires a 50mm x 12mm set screw

\*Also see page 96 for Solid and Threaded pintle options

# 300 SERIES

## PLATE CASTORS (100-125MM)



S4048



R4053



S4042B



## SPECIFICATIONS & FITTINGS

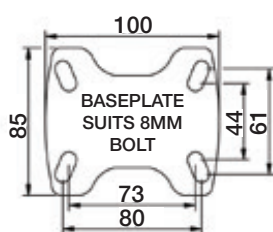
										
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
100	35	Reb Rubber	RR4077	Ball	150/110	130	90	125	R4043	S4042
100	35	Reb Poly	RP4072	SS Roller	150/110	130	90	125	R4055	S4054
100	35	Poly Nylon	PU4408	Roller	200/150	130	90	125	R4045	S4044
100	38	Poly Ci	PU449	Ball	200/150	130	90	125	R4049	S4048
100	35	Nylon	NY401	Plain	200/150	130	90	125	R4033	S4032
100	35	Nylon	NY413	Ball	200/150	130	90	125	R4035	S4034
100	35	Nylon	NY403	Roller	200/150	130	90	125	R4047	S4046
100	35	Glass Nylon	GF412	Plain	200/150	130	90	-	R4061	S4060
100	36	Aluminium	AL474	AL Bronze Bush	200/150	130	90	-	R4067	S4066 *
100	36	Aluminium	AL473	Oilless bush	200/150	130	90	-	R4059	S4058 *
100	38	Cast Iron	Ci421	Plain	200/150	130	90	-	R4051	S4050 *
100	38	Cast Iron	Ci400	Ball	200/150	130	90	125	R4053	S4052
100	40	Hi-Temp Polymer	HT479	Ball	200/150	130	90	-	R4069	S4068
125	35	Reb Rubber	RR5077	Ball	200/150	157	112	125	R5043	S5042
125	35	Reb Poly	RP5072	SS Roller	200/150	157	112	125	R5055	S5054
125	35	Poly Nylon	PU5508	Roller	200/150	157	112	125	R5045	S5044
125	35	Poly Ci	PU549	Ball	200/150	157	112	125	R5049	S5048
125	35	Nylon	NY501	Plain	200/150	157	112	125	R5033	S5032
125	35	Nylon	NY513	Ball	200/150	157	112	125	R5035	S5034
125	35	Nylon	NY503	Roller	200/150	157	112	125	R5037	S5036

### BRAKE OPTIONS:

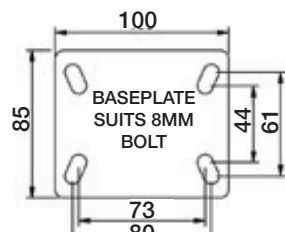
**B = Brake** To order castors with Brake add **B** end of swivel code e.g. **S4404B**

Castors marked \* are not available with brakes.  indicates castors suited for high/low temperature applications.

**BASEPLATE  
DIMENSIONS  
& DRILLING  
PATTERNS  
FOR 300  
SERIES  
CASTORS**



RIGID CASTOR



SWIVEL CASTOR



S4044B



S4066

# 300 SERIES

## PLATE CASTORS (150-200MM)



R6036



S6044



S8040



## SPECIFICATIONS & FITTINGS



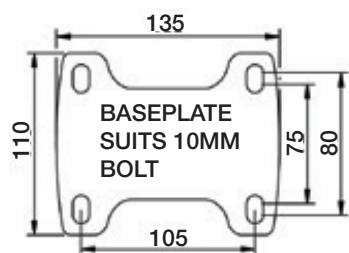
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
150	45	Reb Rubber	RR6677	Ball	225/200	187	127	170	R6043	S6042
150	50	Rubber	RT6642	Roller	225/200	187	127	170	R6041	S6040
150	50	Poly Nylon	PU6071	Ball	300/225	187	127	170	R6045	S6044
150	50	Nylon	NY652	Plain	300/225	187	127	170	R6033	S6032
150	50	Nylon	NY613	Ball	300/225	187	127	170	R6036	S6035
150	45	Cast Iron	CI611	Plain	300/225	187	127	NA	R6051	S6050 *
150	40	Reb Poly	RP6072	SS Roller	300/250	187	127	170	R6055	S6054
200	45	Reb Rubber	RR8871	Ball	250/225	237	156	170	R8043	S8042
200	50	Reb Poly	RP8072	SS Roller	250/225	237	156	170	R8055	S8054
200	50	Rubber	RT8842	Roller	250/225	237	156	170	R8041	S8040
200	45	Rubber	RN8875	Roller	200/175	237	156	170	R8047	S8046
200	50	Poly Nylon	PU8071	Ball	300/225	237	156	170	R8045	S8044
200	50	Nylon	NY800	Plain	300/225	237	156	170	R8033	S8032

### BRAKE OPTIONS:

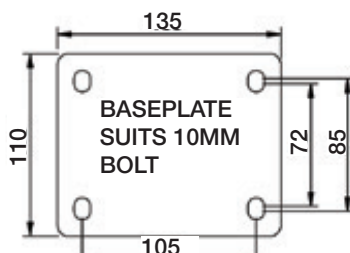
**B = Brake** To order castors with Brake add **B** end of swivel code e.g. **s6042B**

Castors marked \* are not available with brakes. indicates castors suited for high/low temperature applications.

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR 300 SERIES CASTORS



RIGID CASTOR



SWIVEL CASTOR



R6041



S8054B

# SELF-ALIGNING CASTOR FRAME

**The self-aligning castor function is available on all 150mm and 200mm 300 series and excel series castors with a swivel, brake, or directional lock.**

The purpose of the self-alignment function is to eliminate free spinning of the swivel castor as the wheel becomes airborne in applications such as AGV trolley transportation in hospitals, factories, warehouses and more. The castor wheel stays in its intended tracking position, then returns to full swivel function once it makes contact with the ground. This prevents the castor from becoming jammed when it returns to the ground. The self-aligning function does not affect the overall height of the castor, and can be used with conductive or anti-static wheels.

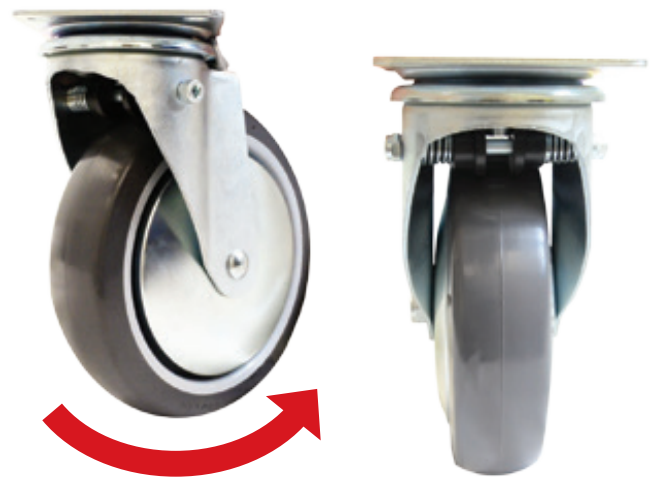
In hospitals, Automated Guided Vehicles (AGVs) are used to transport trolleys remotely – without human assistance. A location is entered into a computer system as part of a programmed mission, all of which are monitored from a control centre. An AGV will move under a trolley, lifting it from the ground and transporting it to the electronically programmed location. AGVs can interact with lifts and fire doors –

they are more than capable of navigating multi storey buildings. AGVs are used for a number of functions, including the transport of various trolleys, including meal trolleys, linen trolleys and carts, waste trolleys, stores trolleys, and pharmacy trolleys. AGV trolleys remove significant labour hours from each day of hospital operations, allowing staff more time to care for patients and complete other tasks.

## **Here are some of the benefits of using self-aligning castors on trolleys that will be used with AGV systems:**

- Keeps trolley wheels securely straight and in line while the AGV has the trolley raised from the ground
- Provides accurate and safe unloading of the trolleys
- Reduces physical strain and manual labour for employees
- Ensures maximum safety for staff
- Ensures maximum workplace efficiency
- Removes any potential hazards from outward facing wheels

As you can see, the self-aligning castor system is perfect for AGV trolley transportation, as it keeps the wheels straight while they are raised off the ground – providing accurate and safe unloading of the trolleys. Self-aligning castors can help realise the full potential of AGVs by reducing physical strain on staff, and eliminating any potential hazards from outward facing wheels. Without self-aligning castors, trolleys may be unloaded by AGVs with wheels in uneven positions. This would then require significant extra force from the staff member to commence manual movement of the trolley. Self-aligning castors ensure maximum safety when using AGVs.



THE PURPOSE OF THE SELF-ALIGNMENT FUNCTION IS TO ELIMINATE FREE SPINNING OF THE SWIVEL CASTOR. THE SPRINGS WILL RETURN THE CASTOR BACK TO DEFAULT FORWARD POSITION.

## **AGV systems have many benefits in hospitals, some of those include:**

- Providing a back of house hidden transportation solution
- Removal of competition for lifts or corridor walkways – increasing efficiency
- Less maintenance and repairs to lift doors, walls and doors, frames – AGVs are more accurate and more predictable than humans
- Significant reduction in manual handling injuries and minor strains
- Enables more work to be done by less people
- Allows staff more time to care for patients and complete other tasks

## **Safety sensors that allow the vehicles to stop when people or obstacles on the path are detected – avoiding personal injury and damage to payload or surrounding objects**

Many of these benefits may not be fully realised without the use of self-aligned castors. It is also clear that many of these same principles apply to other environments and industries that would benefit from AGVs, such as various laboratories, clinics, warehouses and factories – even large hotels and casinos. All of those industries and environments could benefit greatly from a combination of AGV systems and self-aligning castors. Richmond offer self-aligning castor wheels with load capacities between 100kg and a massive 500kg per castor. This excellent load bearing strength allows potential use in automotive, aviation, and other heavy duty production and maintenance industries.

Contact **RICHMOND** today on **1300 474 246** or **sales@richmondau.com** for more information on self-aligning castors



# PNEUMATIC/PUNCTURE PROOF SERIES CASTORS

Ideal for outdoor use, whether used over soft or hard ground, a pneumatic castor features a cushioned comfortable ride characteristic to protect the load.

Richmond Pneumatic Castors are fitted with the highest quality rubber tyres and sealed bearings, increasing water resistance and decreasing rolling resistance.











Pneumatic castors are ideal for use on agricultural equipment and for making sports equipment such as batting cages, nets and equipment trolleys more mobile on soft ground.













S8861



## PNEUMATIC SERIES

									
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
220	60	Pneumatic	PN8860	Ball	100	260	160	R8862	S8861
260	85	Pneumatic	PN1066	Ball	180	315	200	R1068	S1067

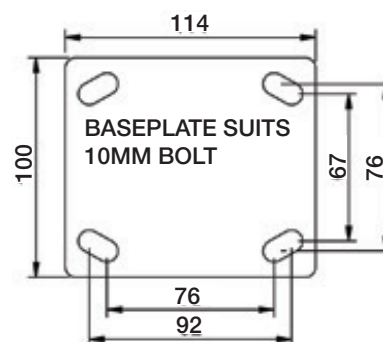
## PUNCTURE PROOF SERIES

									
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
215	55	Puncture Proof	PF8881	Ball	70	245	160	R8835	S8834
260	83	Puncture Proof	PF1084	Ball	100	305	200	R1089	S1088

WHEELS ALL HAVE SEALED PRECISION BALL BEARINGS FOR LONG LIFE.



BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR PNEUMATIC CASTORS



# HEAVY INDUSTRIAL SERIES CASTORS

Richmond Heavy Industrial Series castors have been developed to meet the exacting demands of customers wanting castors capable of being transported long distances.

Logistics, manufacturing, display and exhibition services are just some of the common businesses relying on our heavy industrial series castors daily.

The castor is zinc plated to provide corrosion resistance and includes a grease nipple to help maintain smooth operation. Its industry leading swivel lock and brake design combined with its sturdy 6mm thick steel construction provides uncompromised strength and flex resistance making it ideal for road transport.



S4448SLB



## SPECIFICATIONS & FITTINGS

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
100	35	Reb Rubber	RR4077	Ball	150/110	142	84	145	R4457	S4456
100	35	Reb Poly	RP4072	SS Roller	150/110	142	84	145	R4441	S4440
100	35	Poly Nylon	PU4408	Roller	250/200	142	84	145	R4438	S4437
100	38	Poly Ci	PU449	Ball	330/250	142	84	145	R4449	S4448
100	35	Nylon	NY401	Plain	300/200	142	84	145	R4434	S4433
100	35	Nylon	NY403	Roller	300/200	142	84	145	R4446	S4445
100	35	Nylon	NY413	Ball	300/200	142	84	145	R4436	S4435
100	35	GF Nylon	GF412	Plain	200/150	142	84	145	R4455	S4454
100	36	Aluminium	AL474	AL bronze bush	180/150	142	84	145	R4467	S4466 *
100	36	Aluminium	AL473	Oilless bush	180/150	142	84	-	R4397	S4396 *
100	38	Cast Iron	Ci421	Plain	300/225	142	84	145	R4451	S4450
100	38	Cast Iron	Ci400	Ball	400/300	142	84	145	R4453	S4452
100	36	VG Cast Iron	VG459	Ball	280/250	142	84	-	R4444	S4443 *
100	50	VG Cast Iron	VG461	Roller	280/250	142	84	-	R4497	S4496 *
125	35	Reb Rubber	RR5077	Ball	200/150	165	100	145	R5545	S5544
125	35	Reb Poly	RP5072	SS Roller	200/150	165	100	145	R5441	S5440
125	35	Poly Nylon	PU5508	Roller	250/200	165	100	145	R5543	S5542
125	38	Poly Ci	PU549	Ball	330/250	165	100	145	R5549	S5548
125	35	Nylon	NY501	Plain	330/250	165	100	145	R5534	S5533
125	35	Nylon	NY503	Roller	330/250	165	100	145	R5538	S5537
125	35	Nylon	NY513	Ball	330/250	165	100	145	R5536	S5535
125	38	Cast Iron	Ci532	Plain	380/280	165	100	145	R5551	S5550

Available with a standard baseplate or M3 (Metric) baseplate

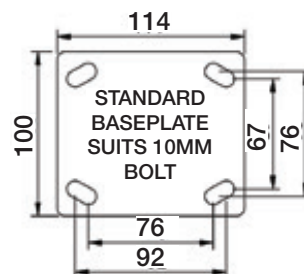
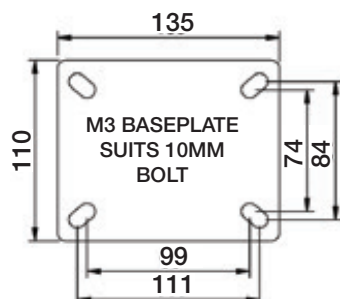
### BRAKE OPTIONS:

**B = Brake D = Directional Lock SLB = Swivel Lock & Brake**

To order castors with Brake, Directional Lock or Swivel Lock & Brake add **B, D or SLB** to the end of swivel code e.g. **s4448SLB**

Castors marked \* are not available with brakes. 🌡 indicates castors suited for high/low temperature applications.

BASEPLATE  
DIMENSIONS  
& DRILLING  
PATTERNS  
FOR HEAVY  
INDUSTRIAL  
CASTORS



S4440

# HEAVY INDUSTRIAL SERIES CASTORS



S6602SLB



S6440D



S6644SLB

**MOUNTING  
PLATES  
AVAILABLE**  
● PAGE 99 ●



## SPECIFICATIONS & FITTINGS



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
100	50	Rubber	RT4447	Roller	110/80	142	84	160	R4431	S4432
100	50	Poly Nylon	PU4409	Ball	250/200	142	84	160	R4411	S4410
100	50	Poly Ci	PU424	Roller	250/200	142	84	160	R4401	S4400
100	50	Poly Ci	PU425	Ball	500/380	142	84	160	R4389	S4388
100	50	Solid Poly	PS4479	Roller	350/300	142	84	160	R4495	S4494
100	50	PolyAlu	PU436	Ball	150/125	142	84	160	R4373	S4372
125	50	Rubber	RT5547	Roller	180/130	165	100	160	R5503	S5502
125	50	Poly Nylon	PU5509	Ball	250/200	165	100	160	R5511	S5510
125	50	Poly Ci	PU524	Roller	250/200	165	100	160	R5531	S5530
125	50	Solid Poly	PS5579	Ball	350/300	165	100	160	R5595	S5594
125	50	PolyAlu	PU536	Ball	200/150	165	100	160	R5373	S5372
150	45	Reb Rubber	RR6677	Ball	225/200	190	124	160	R6631	S6632
150	50	Rubber	RT6642	Roller	225/200	190	124	160	R6641	S6640
150	50	Rubber	RT6647	Roller	225/200	190	124	160	R6603	S6602
150	50	Reb Poly	RP6072	SS Roller	300/250	190	124	160	R6441	S6440
150	50	Poly Nylon	PU6071	Ball	400/300	190	124	160	R6645	S6644
150	50	Poly Ci	PU614	Roller	250/200	190	124	160	R6656	S6655
150	50	Poly Ci	PU649	Ball	500/380	190	124	160	R6649	S6648
150	50	Nylon	NY652	Plain	400/300	190	124	160	R6634	S6633
150	50	Nylon	NY613	Ball	400/300	190	124	160	R6636	S6635
150	50	VG Cast Iron	VG661	Roller	400/300	190	124	160	R6697	S6696 *
150	45	Cast Iron	Ci611	Plain	500/380	190	124	160	R6651	S6650
150	45	Cast Iron	Ci601	Ball	500/380	190	124	160	R6653	S6652
150	50	PolyAlu	PU636	Ball	200/150	190	124	160	R6627	S6626
200	45	Reb Rubber	RR8871	Ball	250/225	241	156	160	R8831	S8832
200	35	Rubber	RN8875	Roller	200/150	241	156	160	R8873	S8872
200	50	Rubber	RT8842	Roller	250/225	241	156	160	R8841	S8840
200	50	Rubber	RT8847	Roller	250/225	241	156	160	R8803	S8802
200	50	Poly Nylon	PU8071	Ball	400/300	241	156	160	R8850	S8849
200	50	Poly Ci	PU849	Ball	500/380	241	156	160	R8852	S8851
200	50	Nylon	NY800	Plain	400/300	241	156	160	R8844	S8843
200	50	Cast Iron	Ci842	Plain	380/280	241	156	160	R8854	S8853
200	50	Cast Iron	Ci852	Ball	500/380	241	156	160	R8856	S8855
200	50	Nylon	NY830	Ball	400/300	241	156	160	R8846	S8845
200	50	PolyAlu	PU815	Ball	250/200	241	156	160	R8825	S8824

### BRAKE OPTIONS:

**SLB** = Swivel Lock & Brake **D** = Directional Lock **WB** = Side Brake

To order castors with Swivel Lock & Brake, Directional Lock or Side Brake add **SLB**, **D** or **WB** to the end of swivel code e.g. **s6644SLB**

Available with standard baseplate or M3 (Metric) baseplate add **M3** to the end of the code.

**\*S6696** not available with brake

# LOW PROFILE CASTORS












Ideal for maintaining a low overall height and centre of gravity, without compromising on a high-weight capacity.

The hard wearing nylon wheel offers low rolling resistance, minimal maintenance, and maximum strength. We offer a range of mounting options such as plate mount or bolt hole mount. Applications for low profile castors include manufacturing equipment, electrical cabinets, business equipment such as photocopiers, and much more.














S3006B

## PLATE SPECIFICATIONS

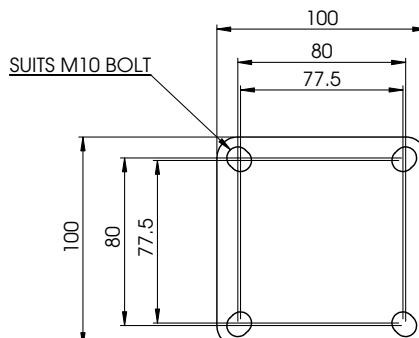
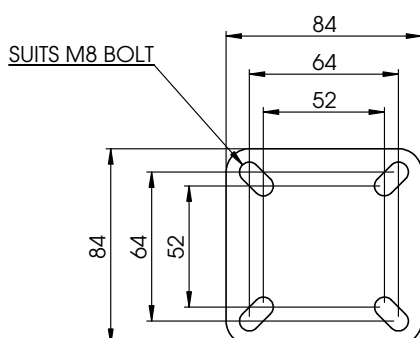
										
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
50	38	Nylon	-	Plain	200/300	79	40mm	55mm	R2007	S2006
75	50	Nylon	-	Plain	500/600	105	55mm	105mm	R3007	S3006

## THREAD STEM SPECIFICATIONS

										
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Thread Stem	Swivel Code
50	38	Nylon	-	Plain	200/300	79	40mm	55mm	M16 x 25	S2005
75	50	Nylon	-	Plain	500/600	105	55mm	105mm	M16 x 25	S3005

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add B to end of swivel code e.g. S2006B \*Wheel Brake only



S3005B



# HEAVY DUTY WELDED SERIES CASTORS

Precision built for durability under extreme working conditions, the Heavy Duty Welded Series is ideal for the exhaustive demands of industrial environments when a low profile high load bearing castor is required.

Featuring a precision machined swivel ball race providing an unrivalled ultra smooth swivel action and a kingpin made of high tensile steel made to withstand high side impact loads.

Finished in an attractive zinc plating to provide corrosion resistance, Richmond can also supply the heavy duty welded series in stainless steel for use in very corrosive environments.



S547



## SPECIFICATIONS & FITTINGS

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
75	25	Poly Ci	PU350	Ball	240/180	114	76	R328	S327
75	30	Nylon	NY3321	Plain	125/100	114	76	R321	S323
100	38	Poly Ci	PU449	Ball	330/250	132	90	R448	S447
100	35	Nylon	NY401	SS Sleeve	300/200	132	90	R402	S406
100	35	Nylon	NY413	Ball	300/200	132	90	R415	S416
100	35	Cast Iron	CI421	Plain	300/225	132	90	R423	S422
100	38	Cast Iron	CI400	Ball	400/300	132	90	R440	S470
100	36	Cast Iron	VG459	Ball	280	132	90	R466	S465
125	35	Poly Ci	PU549	Ball	330/250	159	102	R548	S547
125	35	Nylon	NY501	SS Sleeve	330/250	159	102	R502	S506
125	35	Nylon	NY513	Ball	330/250	159	102	R515	S516
125	38	Cast Iron	CI532	Plain	380/280	159	102	R534	S533

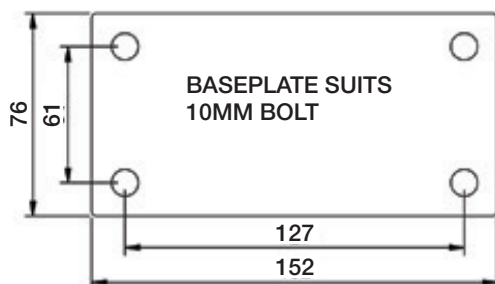
### BRAKE OPTIONS:

**B = Brake D = 4 Way Directional Lock**

To order castors with Brake and/or 4 Way Directional Lock add B or D to the end of swivel code e.g. s422B

indicates castors suitable for high/low temperature applications.

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR HEAVY DUTY WELDED CASTORS



Optional baseplate sizing available.  
Enquire at [sales@richmondau.com](mailto:sales@richmondau.com)



S327

R534

# WASTE BIN CASTORS



- Ideal for use in waste management applications
- A heavier load bearing castor than most, with a load capacity up to 500kg
- High tensile steel kingpin to help withstand any high impact loads
- Precision machined ball race



S6012SLB



S6010B

## CASTORS - SPECIFICATIONS & FITTINGS

Diameter (mm)	Wheel Type	Bearing Type	Load Capacity(kg)	Height (mm)	Wheel Code	Rigid Code	Swivel Code
150	SG Iron	Plain	500/400	194	SG608	R6011	S6010
150	Rubber Ci	Roller	225/200	194	RT6647	R6015	S6014
150	Poly Ci	Roller	250/200	194	PU614	S6013	S6012

### BRAKE OPTIONS:

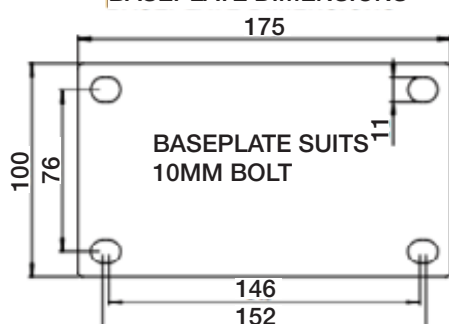
**B = Wheel Brake Only    SLB = Brakes Wheel & Swivel Rotating Simultaneously**

To order castors with Brake or Swivel Lock & Brake add **B** or **SLB** to end of swivel code eg **S6010SLB**.

## COMPLETE SETS - SPECIFICATIONS & FITTINGS

Diameter (mm)	Swivel	Swivel, brake	Swivel, lock & brake	Rigid	Wheel Type	Bearing	Set Code
150	2	-	-	2	SG Iron	Plain	WASTESETT
150	2	-	-	2	Rubber Ci	Roller	WASTESETT-2
150	4	-	-	-	SG Iron	Plain	WASTESETT-3
150	2	-	-	2	Poly Ci	Roller	WASTESETT-5
150	-	-	2	2	Poly Ci	Roller	WASTESETT-7
150	1	-	1	2	SG Iron	Plain	WASTESETT-8
150	-	2	-	2	SG Iron	Plain	WASTESETT-9
150	-	2	-	2	Poly Ci	Roller	WASTESETT-10
150	4	-	-	-	Poly Ci	Roller	WASTESETT-12
150	-	-	2	2	Rubber Ci	Roller	WASTESETT-13

### BASEPLATE DIMENSIONS



S6012



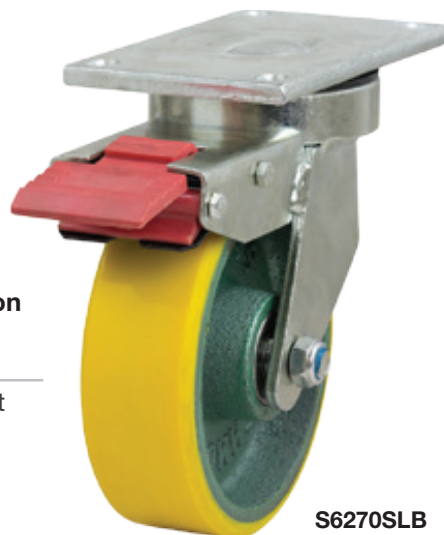
S6010

# 500 SERIES CASTORS

**AVAILABLE IN STAINLESS STEEL**

The 500 Series is designed and manufactured for heavy duty applications including low speed, medium weight towing up to a maximum speed of 6kph. A sealed precision machined ball race ensures the swivel movement is kept clean and smooth.


Complete with a high tensile kingpin to withstand high impact side loads, Richmond's 500 Series moves high demand industries such as; Automotive, Steel Manufacture and Rapid Moving production lines, all due to the reliability and performance of this robust castor.



S6270SLB



## SPECIFICATIONS & FITTINGS

									
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
100	50	Rubber	RT4447	Ball	110/80	139	108	R4213	S4212
100	50	Poly Ci	PU425	Ball	500/380	139	108	R4271	S4270 *
100	50	Steel	-	Ball	500	139	108	R4861	S4860 *
125	45	Cast Iron	Ci520	Ball	500	166	108	R5211	S5210 *
125	50	Rubber	RT5547	Ball	180/130	166	120	-	S5212 *
125	50	Poly Ci	PU525	Ball	500/380	166	120	R5271	S5270 *
150	50	Rubber	RT6642	Roller	225/200	194	130	R6761	S6760
150	50	Poly Nylon	PU6071	Ball	400/300	194	130	R6215	S6214
150	50	Poly Ci	PU614	Roller	250/200	194	130	R6013	S6012
150	50	Poly Ci	PU649	Ball	500/380	194	130	R6271	S6270
150	50	Nylon	NY652	SS Sleeve	400/300	194	130	R6061	S6060
150	50	Nylon	NY613	Ball	400/300	194	130	R6121	S6120
150	45	Cast Iron	CI1611	Plain	500/380	194	130	R6711	S6710 !
150	45	Cast Iron	CI1601	Ball	500/380	194	130	R6241	S6240 !
150	38	VG Cast Iron	VG609	Ball	500/380	194	130	R6451	S6450 *
150	50	Poly Aluminium	PU636	Ball	150-200	194	130	R6017	S6016
200	45	Reb Rubber	RR8871	Ball	350/300	248	155	R8071	S8070
200	50	Rubber	RT8842	Roller	250/225	248	155	R8231	S8230
200	50	Poly Nylon	PU8071	Ball	400/300	248	155	R8215	S8214
200	50	Poly Aluminium	PU815	Ball	200/250	248	155	R8261	S8260
200	50	Poly Ci	PU849	Ball	500/380	248	155	R8471	S8470
200	50	Nylon	NY800	SS Sleeve	400/300	248	155	R8281	S8280
200	50	Nylon	NY830	Ball	400/300	248	155	R8121	S8120
200	50	Cast Iron	CI842	Plain	500/450	248	155	R8451	S8450 !
200	50	Cast Iron	CI852	Ball	500/300	248	155	R8431	S8430 !
200	52	V-Groove	VG839	Ball	500	248	155	R8507	S8506 *
210	60	Pneumatic	PN8860	Ball	100	250	155	R8711	S8710
230	40	Cushion Rubber	CR9000	Ball	220/180	294	175	R9011	S9010
250	50	Cushion Rubber	CR1060	Ball	300/250	302	180	R1026	S1025
250	50	Poly Ci Doughnut	PU1056	Ball	500	302	180	R1039	S1038 *
250	50	Poly Ci	PU1056	Ball	500	302	180	R1052	S1051

### BRAKE OPTIONS:

**SLB = Swivel Lock & Brake D = 4 Way Directional Lock**

To order castors with Swivel Lock & Brake and/or 4 Way Directional Lock add SLB or D to the end of swivel code e.g. S8120SLB

 denotes towable castors.  denotes castors available with wheel brake only.  indicates castors suitable for high/low temperature applications. \* indicates castors not available with brake

# 1000 SERIES CASTORS

The 1000 Series 1000kg load rating provides an economical alternative to heavier load bearing castors. The ability to be towed at a 6kph by tugs and tractors enables this castor to be used on mobile platforms, aviation trolleys, automotive assembly lines and production manufacturing plants.

The polyurethane cast iron wheel type with a rolling diameter of up to 300mm not only enhances manoeuvrability but decreases rolling resistance. Like most Richmond heavy duty castors, our 1000 series has a precision machined ball race and high tensile steel kingpin to withstand side impact loads.



## SPECIFICATIONS & FITTINGS

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code	
150	50	Poly Ci	PU659	Ball	900/700	194	130	R6339	S6338	
150	45	Cast Iron	Ci601	Ball	1000/500	194	130	R6319	S6318	
200	50	Poly Ci	PU876	Ball	1000/750	248	155	R8069	S8068	
200	50	Cast Iron	Ci852	Ball	1000/500	248	155	R8089	S8088	
250	50	Poly Ci	PU1056	Ball	1000/750	300	180	R1020	S1019	
300	50	Poly Ci	PU1218	Ball	1000/750	360	215	R1205	S1204	

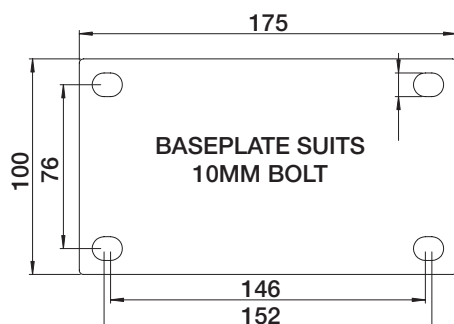
### BRAKE OPTIONS:

**B = Brake D = 4 Way Directional Lock SLB = Swivel Lock & Brake**

To order castors with Swivel Lock & Brake, Brake and/or 4 Way Directional Lock add **B, D or SLB** to the end of swivel code e.g. **s6138B**

denotes towable castors.

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR 1000 SERIES CASTORS



R6319

S1019



# FORGED HEAD SERIES CASTORS











Applications including transport and logistics, heavy machinery, warehousing equipment and mobile platforms rely on the extreme shock loading, robust durable kingpin and drop forged steel baseplate of Richmond's Forged Head Series for loads up to 1500kg.

Truly a great all round castor for those heavy duty applications requiring a towable option, zinc plated for corrosion resistance and the ability to withstand daily abuse without compromising performance.



S8002B

## SPECIFICATIONS & FITTINGS

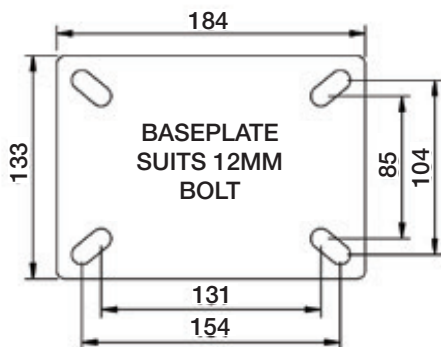
									
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
200	75	Poly	PU824	Ball	1500/1200	268	156	R8003	S8002
200	75	SG Iron	SG822	Ball	1500/1200	268	156	R8001	S8000
250	75	Poly	PU1030	Ball	1500/1200	317	194	R1035	S1034
250	75	SG Iron	SG1027	Ball	1500/1200	317	194	R1033	S1032
250	75	Solid PN	SN1005	Ball	260/200	317	194	R1045	S1044
300	75	Poly	PU1217	Ball	1500/1200	370	234	R1235	S1234
300	75	Solid PN	SN1295	Ball	540/400	370	234	R1245	S1244

### BRAKE OPTIONS:

**B = Brake D = Directional Lock** To order castors with Brake or Directional Lock add **B** or **D** to the end of swivel code e.g. **s8002B**

 denotes towable castors.

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR FORGED HEAD SERIES CASTORS



S1034



R1033

# 3000 SERIES CASTORS

This Extra Heavy Duty range has been precisely engineered and custom built to excel under the hardest conditions.

Richmond's 3000 Series picks up applications that our 1000 Series cannot. Increased towing capacity and towing speed, increases the possibility for rolling solutions for the most arduous of towing applications.

Load Capacity up to 3T



S10902



## SPECIFICATIONS & FITTINGS



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code	
200	76	Poly	PU823	Ball	2000/1700	260	167	R8905	S8904	⊙
200	76	SG Iron	SG834	Ball	2000/1700	260	167	R8903	S8902	⊙
250	76	Poly	PU1029	Ball	2500/2000	310	190	R10905	S10904	⊙
250	76	SG Iron	SG1040	Ball	3000/2500	310	190	R10903	S10902	⊙
250	70	Solid Pneumatic	SN1005	Ball	260/200	310	190	R1909	S10908	⊙
250	100	Poly	PU1048	Ball	3000/2000	310	190	R10913	S10912	⊙
300	76	Poly	PU1217	Ball	3000/2500	364	228	R12905	S12904	⊙
300	85	Solid Pneumatic	SN1295	Ball	540/400	364	228	R12909	S12908	⊙
300	100	Poly	PU1224	Ball	3000/2500	364	228	R12913	S12912	⊙
400	100	Solid Pneumatic	SN1612	Ball	950/730	462	293	R16901	S16902	⊙
400	100	Pneumatic	PN1616	Ball	300/250	462	293	R16903	S16904	⊙

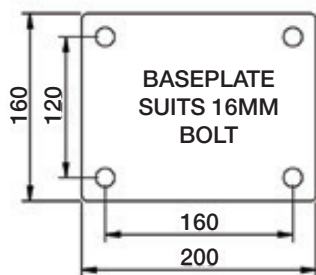
### BRAKE OPTIONS:

**B = Brake D = 4 Way Directional Lock**

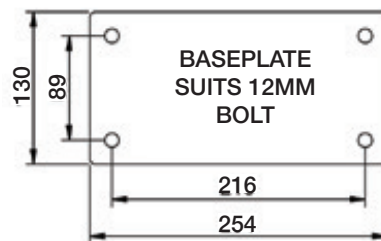
To order castors with Brake and/or 4 Way Directional Lock add **B** or **D** to the end of swivel code e.g. **s8904B**

⊙ denotes towable castors. Add **OP** to the end of the castor code to specify Optional Baseplate e.g. **s89040P**

### STANDARD BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR 3000 SERIES CASTORS



### OPTIONAL BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR 3000 SERIES CASTORS



# HIGH PERFORMANCE SERIES CASTORS

## CUSTOM DESIGN

When performance and endurance are key concerns, the High Performance castor is world class. Large opposed taper roller bearings in the swivel head mean the castor can be power towed at speeds up to 12kph over flat surfaces without obstructions.

The passivated zinc plated frame is robot welded with a fully sealed greasable precision taper roller bearing swivel head ensuring a high performance. Richmond's High Performance Series is custom designed and manufactured in-house to a Richmond designed specification.



S810

## SPECIFICATIONS & FITTINGS

									
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
150	50	Poly Ci	PU659	Ball	900/700	214	135	R634	S633
150	75	Poly Ci	PU615	Ball	1100/750	214	135	R656	S657
150	45	Cast Iron	Ci601	Ball	1500/500	214	135	R632	S631
150	75	Cast Iron	Ci689	Ball	1500/500	214	135	R691	S690
200	50	Poly Ci	PU876	Ball	1200/900	264	172	R811	S810
200	50 x 2	TW Poly Ci	PU876 x 2	Ball	1200/900	264	172	R873	S872
200	75	Poly Ci	PU896	Ball	1300/750	264	172	R898	S897
200	50	SG Iron	SG835	Ball	1500/500	264	172	R819	S818
200	75	SG Iron	SG834	Ball	1500/500	264	172	R838	S837
250	75	Poly Ci	PU1076	Ball	1300/1000	312	210	R1018	S1017
250	75 x 2	TW Poly Ci	PU1076 x 2	Ball	1300/1000	312	210	R1091	S1090
250	75	SG Iron	SG1040	Ball	1500/1000	312	210	R1042	S1043
300	75	Poly Ci	PU1217	Ball	1500/1000	375	240	R1229	S1228
300	100	Poly Ci	PU1224	Ball	1500/1000	375	240	R1226	S1225
400	100	Pneumatic	PN1616	Ball	300	475	295	R1602	S1601
400	100	Solid Pneumatic	SN1612	Ball	950/730	475	295	R1649	S1650

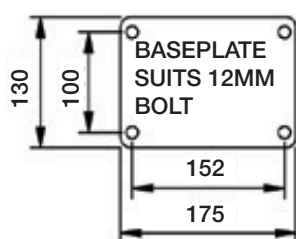
### BRAKE OPTIONS:

**B = Brake D = 4 Way Directional Lock**

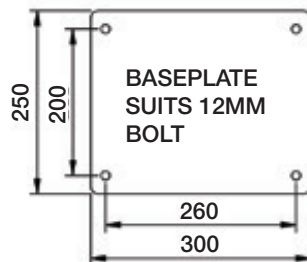
To order castors with Brake and/or 4 Way Directional Lock add B or D to the end of swivel code e.g. s633B

 denotes towable castors.

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR HIGH PERFORMANCE CASTORS



STANDARD HP  
BASE PLATE



STANDARD TWIN WHEEL  
RIGID BASE PLATE



R656

S818

# EXTRA HIGH PERFORMANCE SINGLE WHEEL CASTORS

Designed by Richmond over 30 years ago, this series remains the best Extra Heavy Duty towing castor in the world. Suitable for speeds up to 16kph on good surfaces with loads up to 5000kg per castor.











Features a well sealed precision swivel head with high rigidity combined with super tough wheels.



S1093B



## SPECIFICATIONS & FITTINGS

									
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
200	75	SG Iron	SG836	Taper	5000/3750	320	172	R865	S866
250	100	Poly Ci	PU1049	Taper	5000/3750	370	210	R1092	S1093
300	100	Poly Ci	PU1224	Ball	2500/1875	420	240	R1221	S1222
300	100	Poly Ci	PU1203	Taper	5000/3750	420	240	R1223	S1224
400	125	Poly Ci	PU1606	Taper	5000/3750	520	295	R1607	S1608

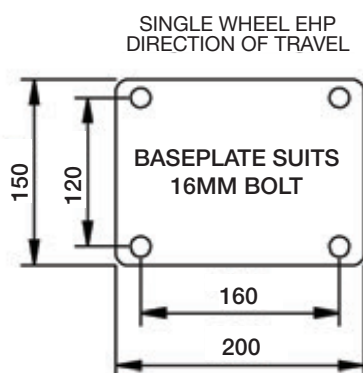
### BRAKE OPTIONS:

**B = Brake D = 4 Way Directional Lock**

To order castors with Brake and/or 4 Way Directional Lock add **B** or **D** to the end of swivel code e.g. **s886B**

 denotes towable castors.

BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR SINGLE WHEEL EHP CASTORS



S1093



**“ Australian made by Richmond ensures the best you can get ”**

- Ray Winslow, Chairman



# EXTRA HIGH PERFORMANCE TWIN WHEEL CASTORS

In a class of its own, the EHP series outperforms all rivals no matter how tough the circumstances.

Developed using Richmond's 55+ years of castor know-how, features include a large opposed taper roller bearing swivel head with a precision robot welded fully sealed construction ensuring a long life without costly breakdowns.

The EHP series are fully towable at speeds up to 16kph on flat surfaces without obstacles, making them ideal for work with heavy duty applications.

The castor's twin wheel design not only increases surface contact but controls the rolling speed of each wheel when turning and maneuvering.
















Custom designed and manufactured in-house, we challenge you to find a better castor.



S1241



## SPECIFICATIONS & FITTINGS

										
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code	
250	50 x 2	TW Poly Ci	PU1061 x 2	Taper	2000/1500	370	210	R1062	S1063	
250	75 x 2	TW Poly Ci	PU1076 x 2	Taper	2000/1500	370	210	R1064	S1065	
300	50 x 2	TW Poly Ci	PU1218 x 2	Taper	2500/1875	420	240	R1236	S1237	
300	100 x 2	TW Poly Ci	PU1203 x 2	Taper	3000/2250	420	240	R1240	S1241	
350	100 x 2	TW Poly Ci	PU1408 x 2	Taper	3000/2250	470	290	R1409	S1410	

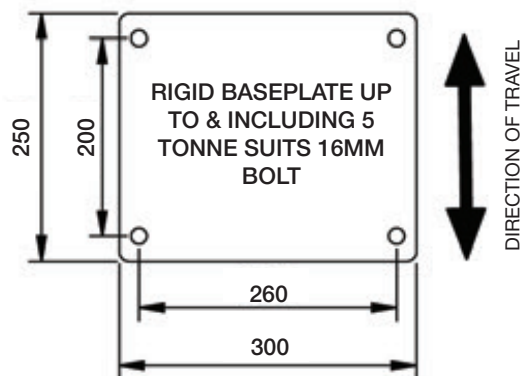
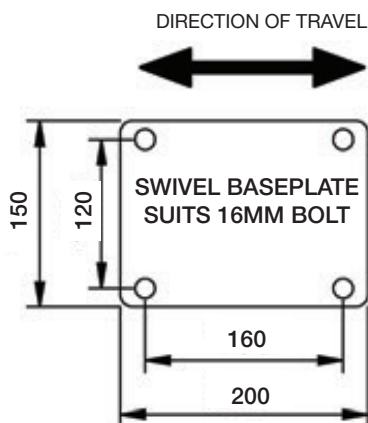
### BRAKE OPTIONS:

**B = Brake D = 4 Way Directional Lock**

To order castors with Brake and/or 4 Way Directional Lock add B or D to the end of swivel code e.g. s1068B

 denotes towable castors.

BASEPLATE  
DIMENSIONS  
& DRILLING  
PATTERNS FOR  
TWIN WHEEL  
EHP CASTORS



# 10 TONNE CASTOR

This Richmond design surpasses anything available on the world castor market, immensely rugged and precision built.











Our 10 tonne castor easily moves the biggest loads, and the tyre formulation can be varied for different applications to further improve performance.



S1652



## SPECIFICATIONS & FITTINGS

									
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
400	125 x 2	TW Poly Ci	PU1606 x 2	Taper	10000/7500	610	318	R1653	S1652

### BRAKE OPTIONS:

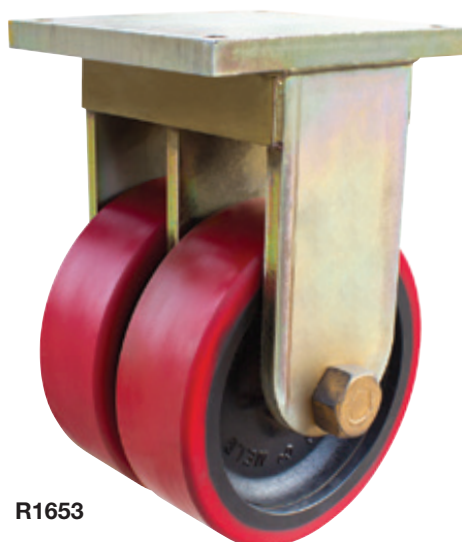
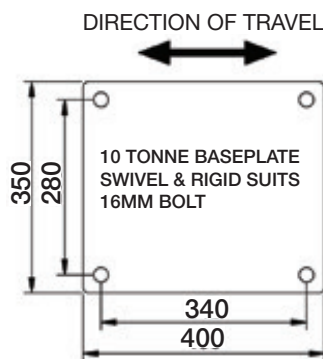
B = Brake D = 4 Way Directional Lock

To order castors with Brake and/or 4 Way Directional Lock add B or D to the end of swivel code e.g. s1652B

 denotes towable castors.

**FOR CASTORS  
ABOVE 10 TONNE  
CONTACT OUR  
ENGINEERING  
DEPARTMENT  
FOR A CUSTOM  
SOLUTION**

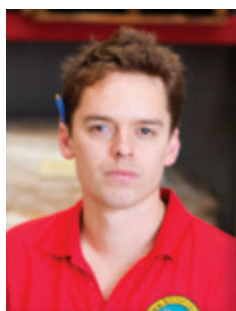
### TWIN WHEEL BASEPLATE DIMENSIONS



R1653

**“ No matter the project, load capacity or configuration, Richmond can provide a solution. ”**

- Breon Winslow-Moore, Engineering Manager



# CONTAINER LOCKING CASTOR KIT

These kits once fitted to each castor, are then mounted onto each corner of the container, thus making the container mobile.

Fitting requires using two left-hand and two right-hand kits.

Using 3000 Series castors allows a maximum total of 12 tonne loading at 8KPH and EHP castors will allow 20 tonne loading. Please note some castors in each range have lower capacities and this must be allowed for.

Shipping containers have 2 left and right fittings, so to order the correct fittings to move a container, order 2 x 195CONT-LOCKITL, 2 x 195CONT-LOCKITR and 4 x castors.



## KIT CONTENTS

- 1 x Left or right corner fitting
- 1 x Locating bush
- 1 x M30 bolt
- 1 x Flat washer
- 4 x M30 Spring washers & fasteners

To move a container order 2 x 195CONT-LOCKITL, 2 x 195CONT-LOCKITR + 4 castors.



*\*Container locking castor kit in action*



5000kg capacity kit  
using EHP Series



3000kg capacity kit  
using 3000 Series Castor

# TOWMASTER CASTORS

## CUSTOM DESIGN

At the forefront of castor design, the Towmaster was conceived, designed and manufactured in-house. Initially designed for airport ground support dollies and suitable for speeds up to 24kph, it can also be found in use in container handling areas, wharves and manufacturing plants.

Its robust nature, precision steering combined with its towable capacity makes this the castor of choice at airports for tarmac use. The Towmaster can be customised to suit specifications allowing for changes in load capacities and tow speeds. Richmond offer a full maintenance and service program on this castor series.

Please phone technical staff for more information.



S1622



## SPECIFICATIONS & FITTINGS



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
406	125 x 2	TW Solid Pneumatic	SN1619 x 2	Ball	2250	460	322	R1625	S1624
406	125 x 2	TW Solid Pneumatic	SN1615 x 2	Ball	2250	460	322	R1623	S1622



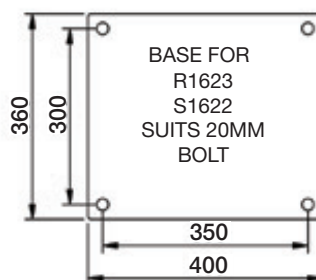
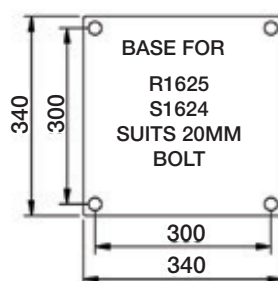
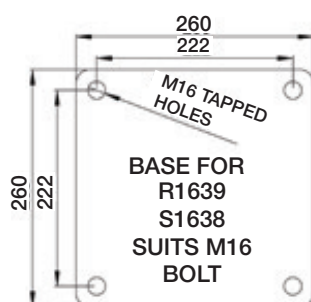
### BRAKE OPTIONS:

B = Brake D = 4 Way Directional Lock

To order castors with Brake and/or 4 Way Directional Lock add B or D to the end of swivel code e.g. s1622B

Person icon denotes towable castors.

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR TOWMASTER CASTORS



Richmond has now manufactured an alternative/replacement Towmaster castor (R1639 & S1638) suitable for fully imported ground support container trailers. This high quality product fits directly to the trolley and is backed by Richmond's service and spare parts program.



BASEPLATES CAN BE CUSTOMIZED TO YOUR REQUIREMENTS



# AVIATION PRODUCTS



Richmond offers a vast range of spare parts to suit all makes and models of airport ground support trailers & commander loaders.

With our inhouse polyurethane moulding facilities, Richmond can recoat worn out rubber coated Commander castor wheels & drive rollers with a much longer lasting, hard wearing poly material.

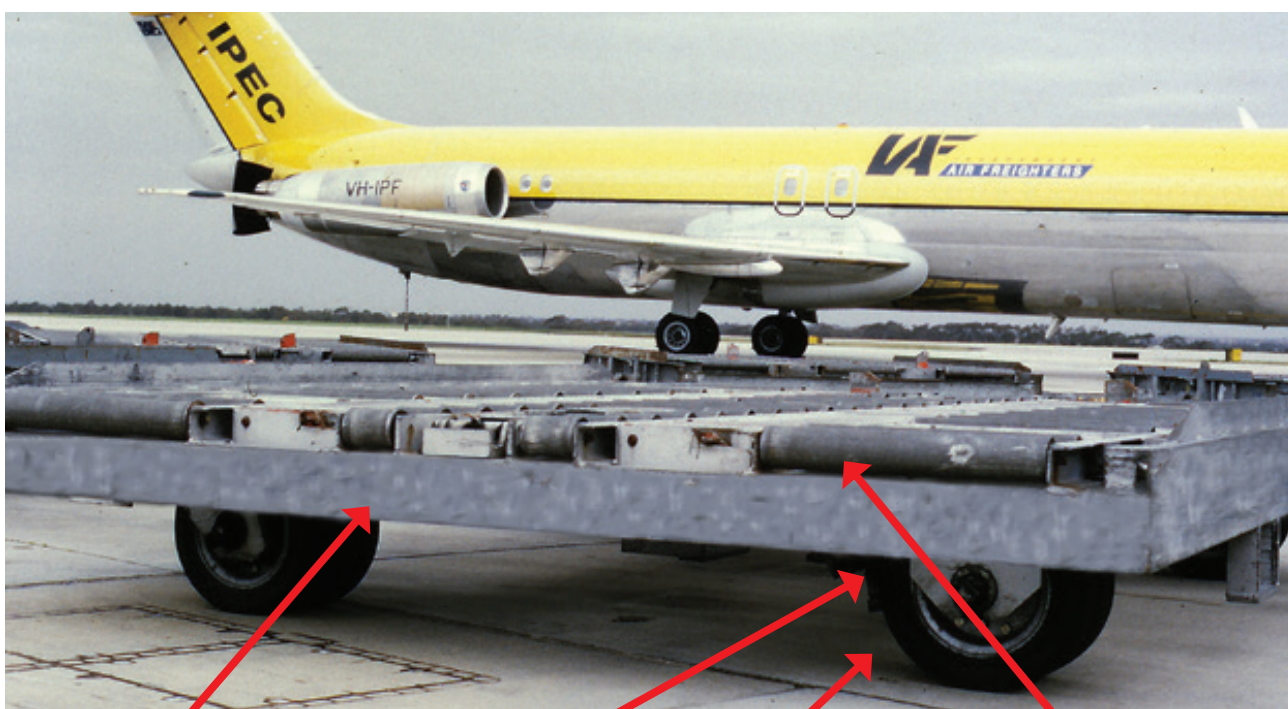
Please phone our technical staff for more information.



**PU1209  
COMMANDER WHEEL**



**COMMANDER ROLLERS**



**REPLACEMENT  
SWIVEL & RIGID  
FRAMES**

**REPLACEMENT  
STEEL RIMS**

**REPLACEMENT  
CUSHION SOLID  
TYRES**

**REPLACEMENT  
STEEL ROLLERS**

# CARGO SERIES CASTORS

The unique upside down nature of the Cargo castor was conceived for use on cargo handling systems and specifically for airport applications.








The heavy load carrying capacity, maintenance free precision ball bearing for low rolling and swivel resistance coupled with the anti-corrosion coating ensure this castors’ longevity. Other features include a robust pressed steel fork combined with integrated plastic sealing.



S2446

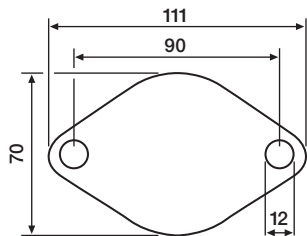


## SPECIFICATIONS & FITTINGS

						
Diameter (mm)	Width (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Code
58	35	Nylon	Ball	200	96	S2334
70	35	Nylon	Ball	200	102	S2446



*\*Richmond Cargo Castors at work in Airport cargo handling systems*



BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR CARGO CASTORS

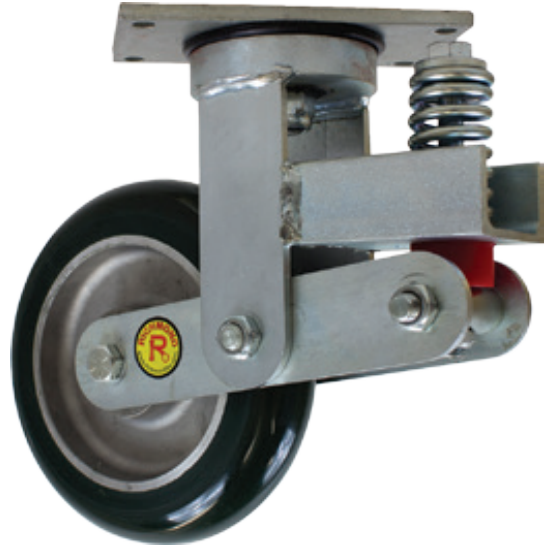


# SPRING LOADED CASTORS

Richmond can custom engineer Spring Loaded Castors to suit any requirements.

- Substantial noise reduction
- Shock absorption protects the cargo from unwanted shock & vibrations
- Ideal for power towing applications

Contact your store for design details. Designs can be tuned to fit your load and speed requirements.



**S8262SPR**



**S6644SPR**



**S6338SPR**



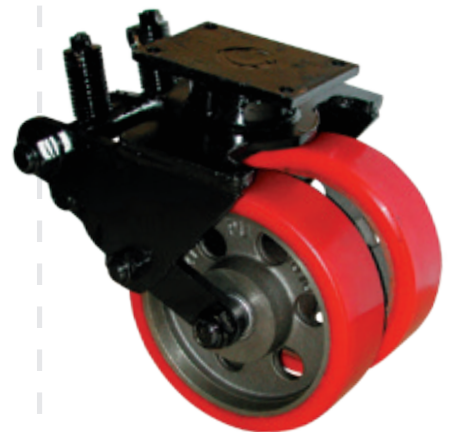
**S9010SPR**



**S8904SPR**



**R12907SPR**



**R12907SPR**

**RICHMOND**  
WheelMakers for Industry

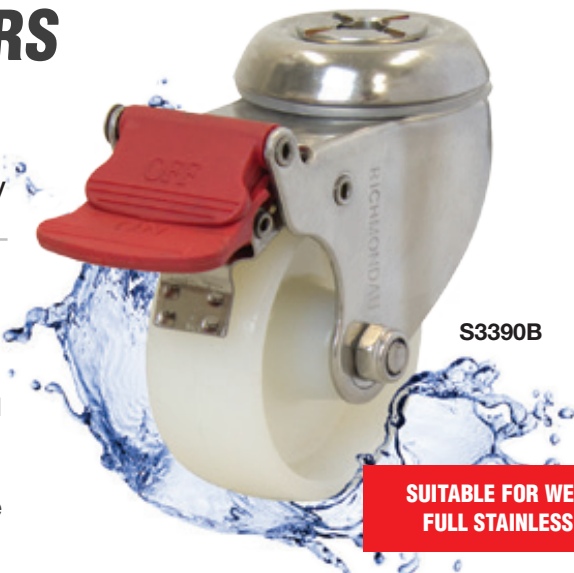
Richmond can custom manufacture spring loaded castors to suit your requirements - CALL 1300 4 RICHMOND

# STAINLESS STEEL ELITE BOLT SERIES CASTORS

Richmond's Stainless Steel Elite castors are manufactured from Grade 304 stainless steel to provide uncompromised durability when hygiene and health are important, they are highly suited to medical or laboratory equipment.

Featuring a stainless steel double ball race swivel head contributing to maintenance free life, fitted with an attractive stainless steel thread guard on the 100 and 125mm or plastic thread guards on the 75mm castors these castors can be fitted to food carts that are constantly moved through cool rooms and steamy kitchens. They can also be hose cleaned.

A full range of round and square pintle options are available through your local Richmond supplier.



S3390B

**SUITABLE FOR WET ENVIRONMENTS  
FULL STAINLESS CONSTRUCTION**



## SPECIFICATIONS & FITTINGS

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Bolt Hole Size (mm)	Swivel Code
75	30	Poly Nylon	PU3345	SS Ball	80/45	105	70	105	12	S3384 #
75	30	Nylon	NY3321	Plain	80/45	105	70	105	12	S3390 #
100	27	Poly Nylon	PU4439	SS Ball	100/80	133	90	106	12	S4478
100	30	Nylon	NY4417	Plain	100/80	133	90	106	12	S4490
125	27	Poly Nylon	PU5539	SS Ball	100/80	159	102	106	12	S5578
125	30	Nylon	NY5517	Plain	100/80	159	102	106	12	S5590
125	27	Poly Nylon	PU5555	Ball	100/80	159	-	106	12	S5571B





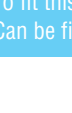

### BRAKE OPTIONS:

**B** = Brake **D** = Directional Lock

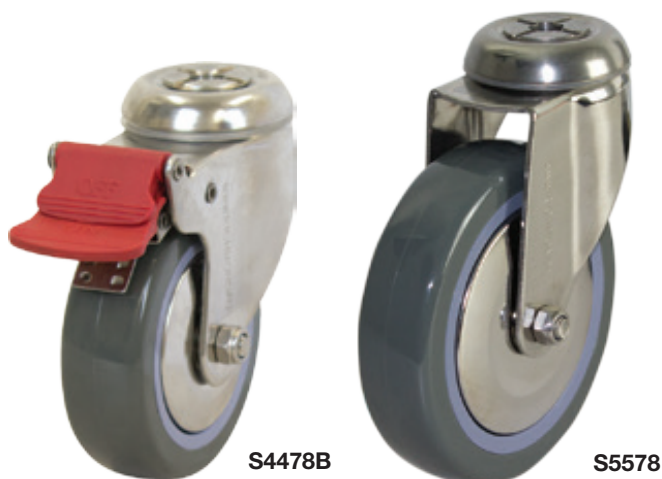
To order castors with Brake and/or Directional Lock add **B** or **D** to the end of swivel code e.g. s5578B

Castors marked # are not available with directional locks

## NYLON EXPANDING PINTLES

Pintle	Pintle Code	Pintle Type
	<b>IPN12-P1</b>	For 19mm ID Round Tube
	<b>IPN12-P2</b>	For 22mm ID Round Tube
	<b>IPN12-P3</b>	For 28.5mm ID Round Tube
	<b>INP12-P4</b>	For 19mm ID Square Tube
	<b>IPN12-P5</b>	For 22mm ID Square Tube
	<b>IPN12-P6</b>	For 28.5mm ID Square Tube
	Single Bolt Fitting Various bolt lengths available	

\*Also see page 96 for Solid and Threaded pintle options



S4478B

S5578

## CASTOR FITTING REQUIREMENTS

To fit this castor to a 20mm thick base requires a 50mm x 12mm stainless steel set screw. Can be fitted with a 10mm set screw using a 100RED1208SS Reducer.



# STAINLESS STEEL ELITE PLATE SERIES CASTORS



**SUITABLE FOR WET ENVIRONMENTS  
FULL STAINLESS CONSTRUCTION**

## SPECIFICATIONS & FITTINGS

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
50	25	Nylon	NY204	Plain	50/40	69	45	N/A	N/A	S258 #
75	30	Poly Nylon	PU3345	SS Ball	80/45	107	70	105	R3383	S3382 #
75	30	Nylon	NY3321	Plain	80/45	107	70	105	R3389	S3388 #
100	27	Poly Nylon	PU4439	SS Ball	100/80	135	90	106	R4477	S4476
100	30	Nylon	NY4417	Plain	100/80	135	90	106	R4489	S4488
125	27	Poly Nylon	PU5539	SS Ball	100/80	161	102	106	R5577	S5576
125	30	Nylon	NY5517	Plain	100/80	161	102	106	R5589	S5588

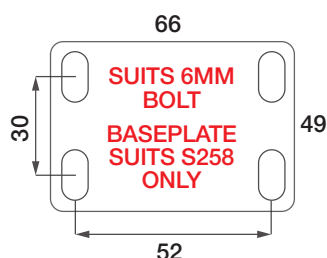
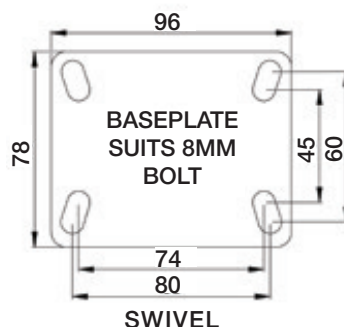
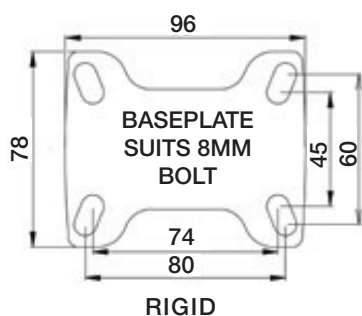
### BRAKE OPTIONS:

**B = Brake D = Directional Lock**

To order castors with Brake and/or Directional Lock add B or D to the end of swivel code e.g. s4476B

Castors marked # are not available with directional locks

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR STAINLESS STEEL ELITE CASTORS



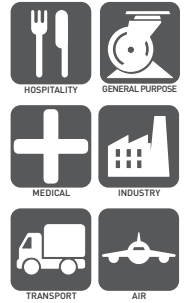
# STAINLESS STEEL EXCEL BOLT HOLE SERIES CASTORS

Heavy duty pressed stainless steel frame combined with full stainless componentry make the Excel Series the ideal choice for use in wet areas, frequent wash down applications and food and health industries.

When hygiene is of the utmost importance, the castor has the ability to be fitted to an array of equipment and trolleys with various fittings including; pre fitted threaded inserts, solid drilled metal pintles, expanding pintles or a single bolt or plate style.

**SUITABLE FOR WET ENVIRONMENTS  
FULL STAINLESS CONSTRUCTION**

**S4146B**



## SPECIFICATIONS & FITTINGS



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Bolt Hole Size (mm)	Swivel Code
100	35	Reb Poly	RP4072	SS Roller	150/110	130	90	125	12	S4148
100	35	GF Nylon	GF412	Plain	200/150	130	90	125	12	S4136
100	35	Nylon	NY401	Plain	200/110	130	90	125	12	S4146
125	35	Reb Poly	RP5072	SS Roller	200/150	157	112	125	12	S5148
125	35	Nylon	NY501	Plain	200/150	157	112	125	12	S5146
150	40	Reb Poly	RP6072	SS Roller	300/225	183	127	127	12	S6148
150	50	Nylon	NY652	Plain	300/225	183	127	127	12	S6146
150	50	Nylon	NY655	SS Roller	300/225	183	127	150	12	S6150

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add **B** to the end of swivel code e.g. **s4146B**

indicates castors suited to high/low temperature applications

## NYLON EXPANDING PINTLES

Pintle	Pintle Code	Pintle Type
	<b>IPN12-P1</b>	For 19mm ID Round Tube
	<b>IPN12-P2</b>	For 22mm ID Round Tube
	<b>IPN12-P3</b>	For 28.5mm ID Round Tube
	<b>INP12-P4</b>	For 19mm ID Square Tube
	<b>IPN12-P5</b>	For 22mm ID Square Tube
	<b>IPN12-P6</b>	For 28.5mm ID Square Tube
	Single Bolt Fitting Various bolt lengths available	

\*Also see page 96 for Solid and Threaded pintle options



**S4148B**

**S6146**

## CASTOR FITTING REQUIREMENTS

To fit to 20mm thick base requires a 50mm x 12mm stainless steel set screw.

# STAINLESS STEEL EXCEL PLATE SERIES CASTORS



S4144B



S4114



S5142B

SUITABLE FOR WET ENVIRONMENTS  
FULL STAINLESS CONSTRUCTION



## SPECIFICATIONS & FITTINGS

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
100	35	Reb Poly	RP4072	SS Roller	140/100	133	92	115	R4145	S4144
100	35	Nylon	NY401	Plain	200/150	133	92	115	R4143	S4142
100	36	Aluminium	AL473	Plain	180/150	133	92	-	R4115	S4114 *
100	36	Aluminium	AL474	Plain	180/150	133	92	-	R4141	S4140
100	35	GF Nylon	GF412	Plain	200/150	133	92	115	R4139	S4138
125	35	Reb Poly	RP5072	SS Roller	180/150	158	158	120	R5145	S5144
125	35	Nylon	NY501	Plain	200/150	158	158	120	R5143	S5142
150	50	Reb Poly	RP6074	SS Roller	300/250	187	127	160	R6137	S6136
150	50	Reb Poly	RP6072	SS Roller	300/250	187	127	150	R6145	S6144
150	50	Nylon	NY652	Plain	300/250	187	127	150	R6143	S6142
150	50	Nylon	NY655	SS Roller	300/250	187	127	150	R6141	S6140
200	50	Reb Poly	RP8072	SS Roller	300/250	237	156	150	R8145	S8144
200	45	Nylon	NY800	Plain	380/350	237	156	150	R8143	S8142
200	50	Nylon	NY802	SS Roller	380/350	237	156	150	R8141	S8140
200	43	GF Nylon	GF800	Plain	400/300	237	156	150	R8149	S8148

### BRAKE OPTIONS:

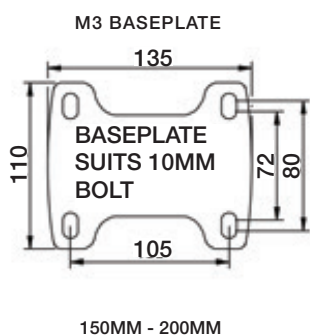
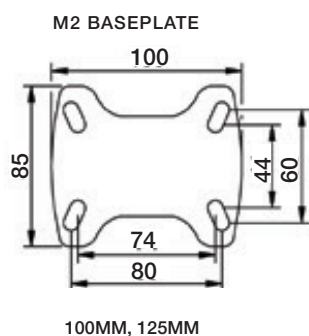
B = Brake To order castors with Brake add B to the end of swivel code e.g. s5144B

\*s4114 not available with brake

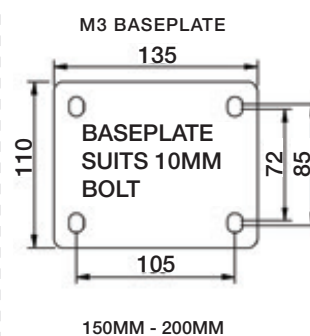
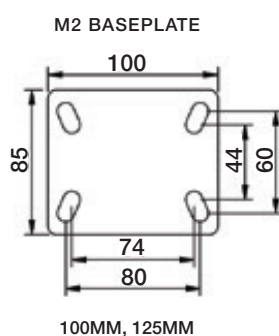
indicates castors suited to high/low temperature applications.

Part numbers denoted in red indicate M2 Baseplate. Part numbers denoted in black indicate M3 Baseplate

### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR RIGID STAINLESS STEEL EXCEL CASTORS



### BASEPLATE DIMENSIONS & DRILLING PATTERNS FOR SWIVEL STAINLESS STEEL EXCEL CASTORS



# MEDI TWIN RANGE

The Medi Twin is a non-marking, modern designed medical castor. Its stylish appearance and polyurethane tyres provide a smooth ride.








Richmond's Medi Twin castor is suited to top of the range medical carts and monitor trolleys



S4430B



## SPECIFICATIONS & FITTINGS











								
Diameter (mm)	Width (mm)	Wheel Type	Thread Size	Bearing Type	Load Capacity	Height (mm)	Brake Swivel Radius	Swivel Code
100	2 x 12	Polyurethane	M12 x 40	Plain	100/80	148	100	S4430B*



S3367B



S4310B

									
Diameter (mm)	Width (mm)	Wheel Type	Thread Size	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Swivel Code
75	2 x 12	Polyurethane	M12 x 20	Plain	50/60	94	60	72	S3367*
100	2 x 12	Polyurethane	M12 x 25	Plain	80/90	127	80	92	S4310*
125	2 x 12	Polyurethane	M12 x 25	Plain	90/100	149	100	112	S5313*



S4312













S4312B



S5312B



S5312B

									
Diameter (mm)	Width (mm)	Wheel Type	Thread Size	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Swivel Code
100	2 x 16	Polyurethane	M12 x 25mm	Ball	80/60	123	80	120	S4312
125	2 x 18	Polyurethane	M12 x 25mm	Ball	110/80	148	102	148	S5312

### BRAKE OPTIONS:

**B = Brake D = Directional Lock** To order castors with Brake or Directional Lock add **B** or **D** to the end of swivel code e.g. **s4312B**

Castors marked \* are not available with Directional lock.



# ABS CENTRAL LOCKING TWIN WHEEL SERIES CASTORS









Suitable for patient beds requiring one point locking and require minimal maintenance the larger rolling diameter of the Central Locking Twin Wheel Castors performs on both hard and carpeted surfaces.

The stylish ABS cover and precision ball bearing swivel head assist in swivelling the castor, making beds and stretchers easier to position at any time. An increased load capacity of 150kg and positive brake performance increase the value this Richmond castor adds to hospital beds.



S6296B

## SPECIFICATIONS & FITTINGS

							
Diameter (mm)	Width (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Swivel Code
125	2x15	Polyurethane	Ball	120/90	165	102	S5296
150	2x18	Polyurethane	Ball	150/120	192	125	S6296

### BRAKE OPTIONS:

B = Total Lock & Brake D = Directional Lock

To order castors with Total Lock & Brake or Directional Lock add B or D to the end of swivel code e.g. s5295B

# CENTRAL LOCKING MEDICAL SERIES CASTORS









Patient comfort is vital in the health care industry and also the ease at which medical personnel can move equipment and patients to and from procedure rooms.

Richmond Central Locking Castors address that both patient and personnel are both equally as important. These castors offer smooth running, positive brake performance, quiet motion and an attractive chrome finish.



S8293B

## SPECIFICATIONS & FITTINGS

							
Diameter (mm)	Width (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Swivel Code
100	32	Grey Rubber	Ball	100/90	142	80	S4293
125	32	Grey Rubber	Ball	100/90	164	102	S5293
150	32	Grey Rubber	Ball	120/100	192	125	S6293
200	32	Grey Rubber	Ball	120/100	240	157	S8293

### BRAKE OPTIONS:

B = Total Lock & Brake D = Directional Lock

To order castors with Total Lock & Brake or Directional Lock add B or D to the end of swivel code e.g. s4293B

# REFRIGERATION CASTORS

Designed specifically for use on catering refrigeration units, merchandisers, food serveries and preparation counters. Richmond Refrigeration Castors are designed to be a compatible replacement product for most commercial equipment and major brands.



S3300B



## SPECIFICATIONS & FITTINGS



Diameter (mm)	Width (mm)	Wheel Type	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Thread Size (mm)	Swivel Code
75	30	Nylon	Plain	80/60	100	62	65	3/4" BSW	S3298
75	30	Nylon	Plain	80/60	107	71	105	3/4" BSW	S3300
75	30	Nylon	Plain	80/60	90	62	65	Plate	S3296

### BRAKE OPTIONS:

**B = Brake** To order castors with a Brake add **B** to the end of swivel code e.g. **s3296B**



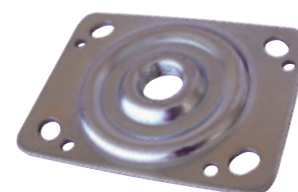
S3296B



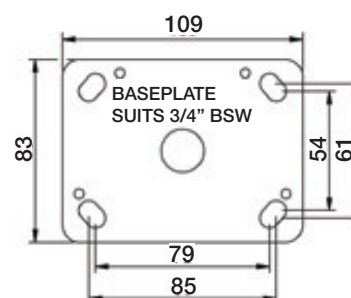
S3300



S3298B



REFPLT10983



# HIGH/LOW TEMPERATURE CASTORS

Richmond's High/Low temperature castors come in a range of sizes and capacities. Featuring castors from the Light Industrial, Zinc Durolite, Heavy Industrial, 300 Series, and Stainless Steel Excel Series; Richmond's high/low temperature castors are perfect for all your extreme temperature needs.

Perfect for use in bakery applications. Smoke houses, chillers or applications where there is temperature fluctuation and exposure from -30° to +350°C with peaks up to 400°C.



## SPECIFICATIONS & FITTINGS



Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	With Brake	Rigid Code	Swivel Code
LIGHT INDUSTRIAL SERIES										
75	32	Cast Iron	Ci3340	Plain Bearing	125/100	108	71	-	R3307	S3306*
100	36	Aluminium	AL472	Oilless Bush	125/100	131	84	-	R4381	S4380*
100	36	Aluminium	AL471	Bronze Bush	125/100	131	84	-	R4414	S4414*
100	30	Glass Filled Nylon	GF4420	Plain Bearing	125/100	131	84	110	R4403	S4402
100	32	High Temp Polymer	HT478	Ball Bearing	100/125	131	84	-	R4471	S4470*
ZINC DUROLITE SERIES										
100	36	Aluminium	AL472	Oilless Bush	125/100	133	90	-	R4113	S4112*
100	32	High Temp Polymer	HT478	Ball Bearing	100/125	135	90	-	R4125	S4124*
HEAVY INDUSTRIAL SERIES										
100	36	Aluminium	AL474	AL Bronze Bush	180/150	142	84	-	R4467	S4466*
100	36	Aluminium	AL473	Oilless Bush	180/150	142	84	-	R4397	S4396*
100	38	Cast Iron	Ci421	Plain Bearing	300/225	142	84	145	R4451	S4450
100	35	High Temp Polymer	HT479	Ball Bearing	180/150	142	-	-	R4321	S4320*
150	45	Cast Iron	Ci611	Plain Bearing	500/380	190	124	160	R6651	S6650
300 SERIES - BOLT										
100	35	Glass Filled Nylon	GF414	Plain Bearing	200/150	130	90	-	-	S4228*
100	36	Aluminium	AL474	AL Bronze Bush	200/150	130	90	-	-	S4230*
100	36	Aluminium	AL472	Oilless Bush	200/150	130	90	-	-	S4232*
100	38	Cast Iron	Ci421	Plain Bearing	200/150	130	90	125	-	S4234*
100	40	High Temp Polymer	HT479	Ball Bearing	180/150	130	-	-	-	S4238*
300 SERIES - PLATE										
100	35	Glass Filled Nylon	GF412	Plain Bearing	200/150	130	90	-	R4061	S4060*
100	36	Aluminium	AL474	AL Bronze Bush	200/150	130	90	-	R4067	S4066*
100	36	Aluminium	AL473	Oilless Bush	200/150	130	90	-	R4059	S4058*
100	38	Cast Iron	Ci421	Plain Bearing	200/150	130	90	-	R4051	S4050*
150	45	Cast Iron	Ci611	Plain Bearing	300/225	187	127	-	R6051	S6050*
100	40	Swivel	HT479	Ball Bearing	200/150	130	-	-	R4069	S4068*
STAINLESS STEEL EXCEL										
100	-	High Temp Polymer	HT478	-	110/150	130	90	-	-	S4152*
100	40	High Temp Polymer	HT479	Ball Bearing	180/150	133	-	-	R4127	S4126*

### BRAKE OPTIONS:

**B = Brake** To order castors with Brake add **B** to end of swivel code e.g. **S6650B**

Castors marked \* are not available with brakes. indicates castors suitable for high/low temperature applications.

# ADJUSTABLE STAINLESS STEEL CATERING LEGS

Made mainly for catering equipment such as display fridges and bain maries, Richmond's stainless steel adjustable catering legs are interchangeable with all leading manufacturers.

Catering legs allow for easy access under equipment to ensure a clean and hygienic environment. Simple adjustability allows levelling of the unit and is quick and accurate whilst providing stability.

Catering legs are designed for easy installation when incorporated with the matching thread baseplate, also available from Richmond.



REFADJLEG146



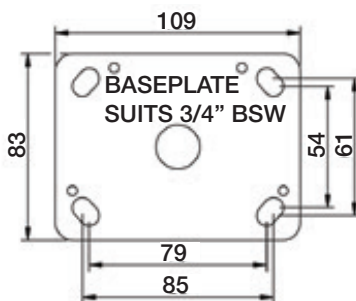
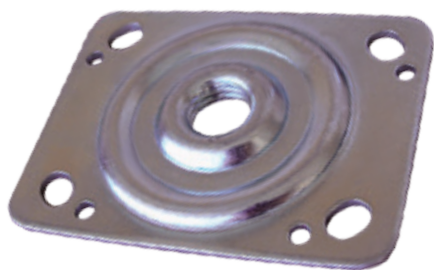
## SPECIFICATIONS & FITTINGS

Height (mm) (A)	Adjustment Height (mm) (B)	Tube Diameter (C)	Flange (D)	Thread (E)	Load (kg)	Product Code
120	25-55	50	60	3/4 BSW	400	REFADJLEG146



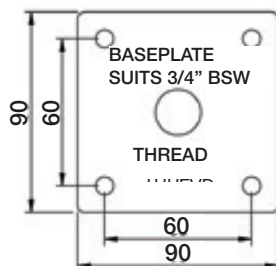
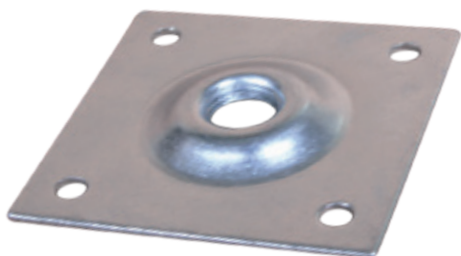
## THREADED BASE PLATES

ALLOWS FOR EASY INSTALLATION OF CASTORS OR ADJUSTABLE LEGS. SIMPLY WELD OR BOLT THE PLATE INTO POSITION, SELECT THE CASTOR OR ADJUSTABLE LEG AND SCREW INTO PLACE.



### REFPLT10983

Compatible with SKOPE brand display fridge units and bain maries



### REFPLT

Compatible with all major manufacture display fridges, preparation benches, bain maries, display cabinets etc.



# SPRING LOADED UNIVERSAL & GATE CASTORS

Richmond's Spring Loaded Universal & Gate Castors are designed to make opening and closing of residential gates easier.

The spring loaded design provides shock absorption features specifically for use on uneven surfaces. The gate mount is integrated into the frame of the castor for ease of fixing to any gate system.

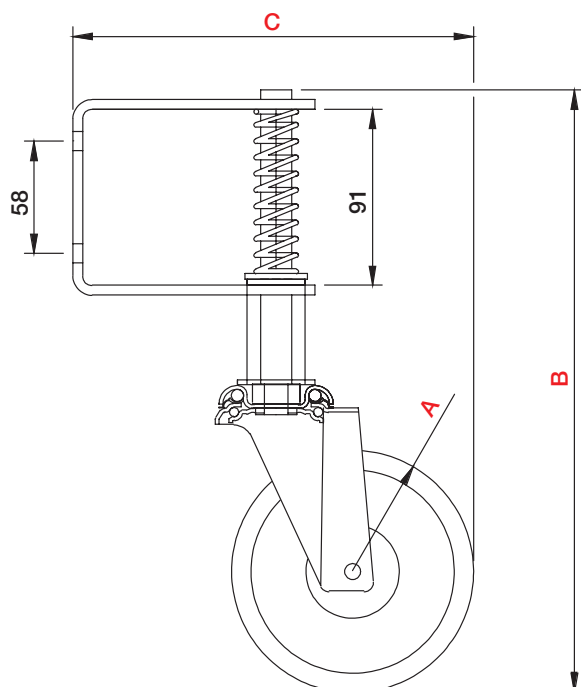


S4022



## SPECIFICATIONS

Diameter (mm) A	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity (kg)	Height (mm) B	Swivel Code
75	30	Reb Rubber	RR3348	Ball	20	259	S3022
75	30	Nylon	NY3321	Plain	20	259	S3024
75	25	Nylon	NY3324	Plain	25	100	S3712SPR
100	30	Reb Rubber	RR4473	Ball	20	285	S4022
100	30	Nylon	NY4417	Plain	20	285	S4024
125	30	Reb Rubber	RR5573	Ball	20	311	S5022
125	30	Nylon	NY5517	Plain	20	311	S5024



S3712SPR



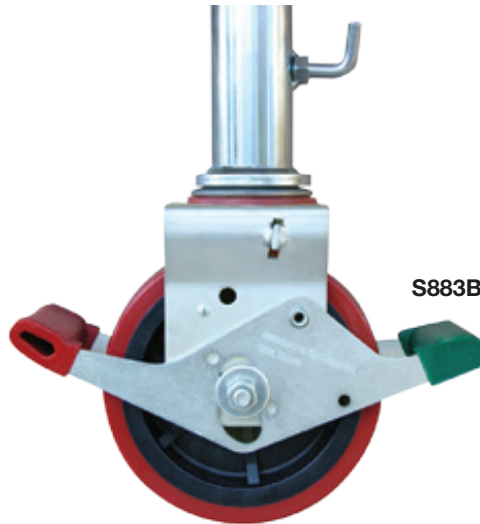
S3022

# TUBE TYPE SCAFFOLD CASTOR

The Tube Type Scaffold Castor has a tube stem to fit 50mm OD scaffold tubing.

The advanced design which eliminates the kingpin features a zinc passivated steel frame for rigidity and a longer working life.

Richmond Tube Type Scaffold Castors are tested and approved to **AS/NZS 1576.2:2009**










S883B

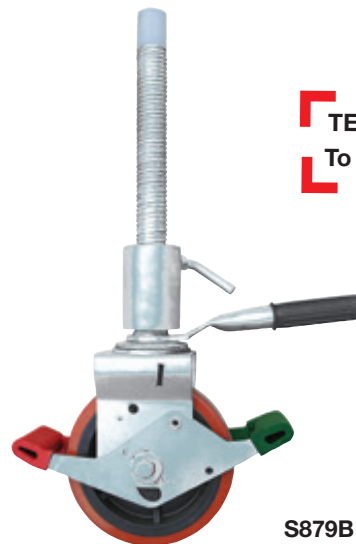


**TESTED & APPROVED**  
To AS/NZS 1576.2:2009

## SPECIFICATIONS & FITTINGS

						
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Swivel Code
200	50	Poly Nylon	-	Roller	700	S883B

**RICHMOND CAN SUPPLY MANY OTHER SOCKET AND PIN SIZES - 1300 4 RICHMOND or email [sales@richmondau.com](mailto:sales@richmondau.com)**










S879B

**TESTED & APPROVED**  
To AS/NZS 1576.2:2009

## SPECIFICATIONS & FITTINGS

### Tube Type to Suit 48mm OD Tube

						
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Swivel Code
200	50	Poly Nylon	-	Roller	700	S879B

**RICHMOND CAN SUPPLY MANY OTHER SOCKET AND PIN SIZES - 1300 4 RICHMOND or email [sales@richmondau.com](mailto:sales@richmondau.com)**

# JOCKEY WHEELS

Richmond Jockey Wheels are suitable for use on Caravans, Campers, Boat Trailers and a whole range of Trailers used for transporting goods for leisure or business.










- Available in two different wheel sizes - 150mm or 200mm.
- Replacing the traditional black rubber wheel with a superior rebound rubber product greatly improves the rolling and maneuverability of these products.
- Swing mounting option - pull the handle, unit swings up and locks into position against the draw bar.
- Clamp mounting option - for easy removal.



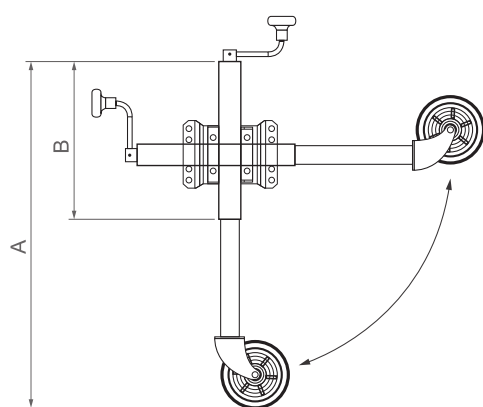
S6026SW



## SPECIFICATIONS & FITTINGS

								
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Raised Height (mm)	Lowered Height (mm)	Swivel Code
150	40	Solid Rubber	-	Plain	350	760	500	S6026CL
150	45	Reb Rubber	RR6677	Ball	350	760	500	S6052CL
150	45	Reb Rubber	RR6677	Ball	350	760	500	S6062SW
150	40	Solid Rubber	-	Plain	350	760	500	S6066SW
200	55	Rubber Tyred	-	Plain	350	815	555	S8026CL
200	45	Reb Rubber	RR8871	Ball	350	815	555	S8052CL
ADJUSTABLE STAND WITH PLATE AND CLAMP								
-	-	-	-	-	350	640	315	S6028CL

**Important Note:** When moving equipment best performance is achieved with jockey wheel being at a lowest position. Moving equipment with jockey wheel in a high position is not safe or advised. All load capacities are based on smooth concrete or asphalt surfaces.



SWING MODEL SHOWN  
A - RAISED  
B - LOWERED



SWIVEL BRACKET



CLAMP TYPE



S6026CL



S6028CL

# PUNCTURE PROOF WHEELS

Why buy a pneumatic wheel when there is a better option? Richmond's fully puncture proof wheels eliminate flat tyres and replace the need for tubes.

With high load capacities suited to hand trucks, nursery equipment, industrial and agricultural equipment Richmond's puncture proof wheels combine the strength and stability of a solid rubber wheel with the smooth cushioned ride of a pneumatic wheel.



PF1628



PF1275



PF1124



PF1084

**PUNCTURE PROOF WHEELS**

**“NO MORE FLATS”**



## SPECIFICATIONS & FITTINGS



Nom Wheel Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Tyre Size	Tyre Tread Pattern	Load Capacity	Wheel Centre	Wheel Code
215	55	60	5/8", 3/4" or 20mm	Ball	2.50 - 4	Lug	100	Steel	PF8881
255	83	60	5/8", 3/4" or 20mm	Ball	4.10/3.50-4	Industrial	100	Steel	PF1084
280	60	60	3/4"	Flange	2.50-6	Industrial	100	Steel	PF1124
310	81	62	1"	Flange	4.10/3.50-6	Diamond	180	Steel	PF1273
310	103	62	1"	Flange	13/5.00-6	Turf	200	Steel	PF1275
400	150	102	1"	Flange	16x6.50-8	Turf	200	Plastic	PF1628*
400	93	76	1"	Flange	4.00-8	Industrial	200	Steel	PF1632
400	150	102	1"	Nylon Bush	16x6.50-8	Turf	200	Plastic	PF1629
400	93	76	1"	Nylon Bush	4.00-8	Industrial	200	Steel	PF1641

\* Denotes plastic centre



INDUSTRIAL TREAD



TURF TREAD



LUG TREAD



PF1628 IN USE ON A WHEELBARROW



# PLASTIC CENTRED PNEUMATIC WHEELS

Richmond's plastic centred pneumatic wheels feature a quality corrosion and rust resistant plastic rim, making them ideal for applications in wet or damp environments.

Use Richmond's plastic centred pneumatic wheels on nursery trolleys, hand trucks, agricultural equipment and more as an economical alternative to steel rimmed pneumatics.



PN1075



PN8865



PN1610

## SPECIFICATIONS



Nom Wheel Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Tyre Size	Tyre Tread Pattern	Load Capacity	Wheel Code
215	60	62	3/4"	Nylon Bush	2.50-4	Lug	100	PN8864
215	60	62	5/8 or 3/4"	Flange	2.50-4	Lug	100	PN8865
265	88	60	3/4" or 20mm	Nylon Bush	4.10/3.50-4	Diamond	100	PN1074
265	88	60	5/8 or 3/4"	Flange	4.10/3.50-4	Diamond	100	PN1075
420	150	106	1"	Nylon Bush	16x6.50-8	Turf	200	PN1604
420	150	106	1"	Flange	16x6.50-8	Turf	200	PN1610
400	100	105	1"	Nylon Bush	4.00-8	Knobby	200	PN1603
400	100	105	1"	Flange	4.00-8	Knobby	200	PN1627



DIAMOND TREAD



TURF TREAD



LUG TREAD



KNOBBY TREAD

# STEEL CENTRED PNEUMATIC WHEELS

These steel centred pneumatic wheels are ideal for use in garden, industrial and agricultural equipment, as well as concrete mixers.

The three piece rims are zinc plated and fitted with rubber sealed precision bearings, which provide longer life, and two piece rims are enamel plated and fitted with flange ball bearings.

Grey non-marking tyres are also available where indicated #, as well as Richmond puncture proof wheels.



PN1608



PN1066



## SPECIFICATIONS



Nom Wheel Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Tyre Size	Tyre Tread Pattern	Load Capacity (kg)	Wheel Code
210	60	60	5/8", 3/4" or 20mm	Ball	2.50-4	Lug	100	PN8860 *
215	60	60	5/8", 3/4" or 20mm	Ball	2.50-4	Lug	100	PN8870 #
260	83	60	5/8", 3/4" or 20mm	Ball	4.10/3.50-4	Highway	180	PN1066 *
260	85	60	5/8", 3/4" or 20mm	Ball	4.10/3.50-4	Saw Tooth	180	PN1050 #
260	85	54 (offset)	5/8" or 3/4"	Ball	4.10/3.50-4	Highway	180	PN1070
280	60	60	3/4"	Flange	2.50-6	Industrial	150	PN1100
320	83	60	1"	Flange Ball	4.10/3.50-6	Highway	180	PN1271
320	120	60	1"	Flange Ball	13/5.00-6	Turf	200	PN1272
400	100	75	1"	Flange Ball	4.00-8	Knobby	200	PN1608
400	100	94	20mm, 1" or 25mm	Ball	4.00-8	Highway	300	PN1616 *
400	100	100	25mm	Taper	4.00-8	Highway	300	PN1616TR *

Wheel codes marked with \* indicate 3 piece rim. All other rims are 2 piece. Recommended max pressure 35psi. Wheel Codes marked # are Grey Non Marking



KNOBBY TREAD



LUG TREAD



DIAMOND TREAD



HIGHWAY TREAD



SAW TOOTH



PN1070 IN USE  
ON A HAND TROLLEY

# OFFSET PUNCTURE PROOF WHEELS

Eliminates flat tyres, combining the strength and stability of a solid rubber wheel with the smooth cushioned ride of a pneumatic wheel, Richmond's puncture proof foam filled wheel is unrivaled in performance. The combination of this unique wheel compound with its offset hub fits this wheel to most hand trolleys requiring offset hubs.

3 piece zinc plated rim & rubber sealed precision bearings mean a longer life, ultimately reducing down time and increasing performance.



PF1047



**PUNCTURE PROOF WHEELS**

**"NO MORE FLATS"**



## SPECIFICATIONS



Nom Wheel Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Tyre Size	Tyre Tread Pattern	Load Capacity	Wheel Code
215	55	60 offset	5/8", 3/4" or 20mm	Ball	2.50 - 4	Lug	100	PF8881
255	85	54 offset	5/8", 3/4" or 20mm	Ball	4.10/3.50-4	Industrial	100	PF1047
280	60	60 offset	3/4"	Flange	2.50-6	Industrial	100	PF1124

# OFFSET PNEUMATIC WHEELS

Suitable for most hand trolleys requiring an offset wheel, Richmond's offset pneumatic wheel clearly stands alone as the best in the Australian market.

Fitted with the highest quality tough rubber tyre, 3 piece zinc plated rim and rubber sealed precision bearings to provide a longer life, ultimately reducing down time and increasing performance.



PN1070



Reverse View



## SPECIFICATIONS



Nom Wheel Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Tyre Size	Tyre Tread Pattern	Load Capacity	Wheel Code
210	60	60 offset	3/4"	Ball	2.50-4	Lug	100	PN8872
260	85	54 offset	5/8", 3/4" or 20mm	Ball	4.10/3.50-4	Highway	180	PN1070
260	85	54 offset	5/8"	Flange	4.10/3.50-4	Industrial	180	PN1071
280	60	60 offset	3/4"	Flange	2.50-6	Industrial	150	PN1100



# INDUSTRIAL TUBES



TUBE2.50-4



TUBE3.00/3.50-4



TUBE5.00-6



TUBE3.50-6



TUBE4.80/4.00-8

All pictured with bent valves, however straight valves are available.



**TUBES AVAILABLE FOR ALL WHEELS**  
**FULL DETAILS AT [WWW.RICHMONDAU.COM](http://WWW.RICHMONDAU.COM)**

# INDUSTRIAL TYRES

Tyre	Size	Tread
PN8860TYR	2.50 - 4	LUG
PN1066TYR	4.10/3.50 - 4	HIGHWAY
PN1271TYR	4.10/3.50 - 6	HIGHWAY
PN1272TYR	13 x 5.00 - 6	TURF
PN1608TYR	4.00 - 8	KNOBBY
PN1610TYR	16 x 6.50 - 8	TURF

## TREAD PATTERNS



**TURF TREAD**



**KNOBBY TREAD**



**LUG TREAD**



**DIAMOND TREAD**



**HIGHWAY TREAD**

# NOT SURE WHAT YOU NEED?

**GET IN TOUCH WITH OUR FRIENDLY STAFF AT RICHMOND AND WE'LL HELP YOU FIND THE TYRE/WHEEL BEST SUITED TO YOUR APPLICATION**



# RUBBER TYRED NYLON CENTRED WHEELS









Rubber Tyred Nylon Centred Wheels are plain bore, rust free wheels suitable for permanent outdoor settings. Applications include outdoor furniture, barbecue, nursery trolleys and more.



RN6661



## SPECIFICATIONS

							
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Colour	Wheel Code
150	37	37	1/2"	Plain	50/35	Black	RN6661
200	42	37	1/2"	Plain	50/35	Black	RN8874

# SEMI PNEUMATIC RUBBER TYRED WHEELS

Semi Pneumatic Rubber Tyred Wheels are an attractive steel centred shock absorbing and puncture proof wheel.









They feature a low rolling resistance and quiet operation, perfect for use in applications where ease of use is important. Perfect for portable equipment, steam cleaners, nursery trolleys, compressors and portable welders.



SP6663



## SPECIFICATIONS

							
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Colour	Wheel Code
150	35	40	1/2"	Flange Ball	45/30		SP6663
200	42	51	1/2"	Flange Ball	70/45		SP8885



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# RUBBER/PVC TYRED WHEELS

Richmond's range of Rubber/PVC tyred wheels are an excellent low cost, lightweight and durable solution for outdoor use.

These wheels are non-marking, feature plastic centres, and are water resistant, making them ideal for any wash down equipment and prolonged outdoor exposure. They are the ideal solution for barbecues, lawn mowers, billy carts, children's buggies and much more.



Knock on retaining axle caps are available and provide an easy fixing arrangement.

To suit 3/8 shaft: 100AXLECAP350  
To suit 5/8 shaft: 100AXLECAP625  
To suit 3/4 shaft: 100AXLECAP750  
To suit 1/2 shaft: 100AXLECAP50



RN4068-08



RN4069-10



RN6629-50



RN6630-50



RN1206-50



RN1024-20



RN8830-50



RN8884-50



RN5041-10

## SPECIFICATIONS



Wheel Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity (kg)	Wheel Code
95	30	29	8mm	Plain	10	RN4068-08
107	30	30	10mm	Plain	12	RN4069-10
130	21	29	10mm	Plain	15	RN5041-10
150	42	40	1/2"	Flange	35	RN6630-50
150	37	37	1/2"	Plain	50	RN6661-50
155	42	37	1/2"	Plain	25	RN6629-50
180	35	35	1/2"	Plain	35	RN8883-50
197	45	40	1/2"	Flange	40	RN8884-50
200	42	37	1/2"	Plain	50	RN8874-50
245	68	57	20mm	Plain	50	RN1024-20
295	43	43	1/2"	Flange	50	RN1206-50

# RUBBER TYRED NYLON WHEELS

Rubber Tyred Nylon Wheels are a low cost alternative to rubber tyred cast iron wheels. They are hard wearing, with a high resistance to corrosion and lightweight whilst still boasting a high load bearing capacity.











RN8875



RN8876



## SPECIFICATIONS

							
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter (mm)	Bearing Type	Load Capacity	Tyre Colour	Wheel Code
200	35	58	1/2" or 20mm	Roller	200/175	Black	RN8875
200	35	58	1/2" or 20mm	Roller	200/175	Grey	RN8876

# RUBBER TYRED CAST IRON CENTERED WHEELS

These wheels are cast iron centred for extra strength and ease of movement. They offer a cushioned ride, are quiet and shock absorbing, and are fitted with roller bearings for ease of rolling.

Blue tyres are non-marking with high resilience, and black tyres have are harder wearing and therefore last longer than blue tyres.











RT5547



RT6642



## SPECIFICATIONS

							
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Tyre Colour	Wheel Code
100	50	60	1/2" or 3/4"	Roller	110/80	Black	RT4447
125	50	60	1/2" or 3/4"	Roller	180/130	Black	RT5547
150	50	60	1/2" or 3/4"	Roller	225/200	Blue	RT6642
150	50	60	1/2" or 3/4"	Roller	225/200	Black	RT6647
200	50	60	1/2" or 3/4"	Roller	250/225	Blue	RT8842
200	50	60	1/2" or 3/4"	Roller	250/225	Black	RT8847

# INSTITUTIONAL RUBBER WHEELS

Richmond's Institutional Rubber Wheels are attractive grey wheels with non-marking rubber tyres.

Features include sealed bearing and matching grey nylon threadguards for added protection. Models marked with \* come with chrome threadguards which are ideal for use in hospitals, schools, home use & light industrial applications.



IR4007



## SPECIFICATIONS



Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
75	30	41	5/16" or 3/8"	Ball	80/45	IR3008
75	25	25	1/4"	Ball	100/80	IR3301
100	32	41	5/16" or 3/8"	Ball	100/80	IR4007
100	27	27	5/16" or 8mm	Ball	100/80	IR4401*
125	32	41	5/16"	Ball	100/80	IR5004*
125	32	41	5/16" or 3/8"	Ball	100/80	IR5007
150	32	39.6	5/16"	Ball	100/80	IR6009

# ANTI-STATIC (CONDUCTIVE) RUBBER WHEELS

Anti-Static Rubber Wheels provide a surface resistivity of less than 10,000  $\Omega$  (OHM). The resistance can increase as a result of mechanical influence. The wheels conform to AS 2050 1978.

We also produce a large range of anti-static (conductive) polyurethane wheels.



AS5005



## SPECIFICATIONS



Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
100	32	41	5/16"	Ball	100/80	AS4005
125	32	41	5/16"	Ball	100/80	AS5005



# REBOUND RUBBER TYRED WHEELS

Rebound Rubber Tyred Wheels are non-marking, quiet and shock absorbing with a low rolling resistance. They are perfect for moving lightly loaded equipment over uneven ground, and protect the load from shocks.








They roll over small obstructions easily, and are ideal for waste bins, laundry trolleys, electrical equipment and other "handle with care" goods.



RR4077



## SPECIFICATIONS

						
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
75	30	40	8mm or 3/8"	Ball	100/80	RR3348
100	30	40	8mm or 3/8"	Ball	100/80	RR4473
100	35	48	8mm, 3/8" or 12mm	Ball	150/110	RR4077
125	30	40	8mm or 3/8"	Ball	100/80	RR5573
125	35	48	8mm, 3/8" or 12mm	Ball	150/110	RR5077
150	45	63	1/2" or 20mm	Ball	350/300	RR6677
200	45	63	1/2", 20mm or 3/4"	Ball	350/300	RR8871

# ELASTIC RUBBER TYRED WHEELS

Richmond's Elastic Rubber Tyred Wheels are quiet in operation and resilient, manoeuvring well over small obstacles. They are shock absorbing, providing a cushioned ride for fragile loads, and boast a good resistance to wear and tear.








Not recommended for applications where solvents are present.



ER1006



## SPECIFICATIONS

						
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
250	50	56 offset	5/8", 3/4" or 20mm	Flange Ball	250/225	ER1006

# CUSHION RUBBER WHEELS

Cushion Rubber Wheels offer a soft ride while having the ability to withstand high impact. A steel centre offers additional strength and load bearing capacity, with quality elastic rubber compound tyres which offer a softer, shock absorbing ride.



CR1060



## SPECIFICATIONS



Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
230	40	50	20mm or 25mm	Ball	220/180	CR9000
250	50	55	12mm, 20mm or 25mm	Ball	300/250	CR1060
280	50	53	20mm, 25mm or 1"	Ball	200/170	CR1110

# SOLID PNEUMATIC WHEELS

The unique formulation of these solid pneumatic wheels provides a pneumatic tyre performance with a much higher load capacity, towable up to 24KPH and ideal for tarmac use.

They are puncture proof for long wear, and feature split pins with rugged bolt on hubs.

Spare tyres stocked and fitted.



SN1612



## SPECIFICATIONS



Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
250	75	93	20mm	Ball	260/200	SN1005
300	83	93	20mm or 25mm	Ball	540/400	SN1295
400	110	94	20mm, 25mm or 1"	Ball	950/730	SN1612
400	123	PCD	N/A	Ball	1050/810	SN1619

# REBOUND POLYURETHANE TYRED WHEELS



Rebound Polyurethane Tyred wheels are a softer than normal tyre, which provides a smoother, quieter ride than most polyurethane or nylon wheels.

The attractive sky blue tyre will remain cleaner than other types, and when combined with stainless steel bearings, these wheels are suitable for clean rooms and other applications where aesthetics and performance are crucial.

Premium stainless steel bearing model is also available.



RP8072

## SPECIFICATIONS



Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
100	35	47	15mm or 3/8"	SS Roller	140/110	RP4072
100	35	47	15mm or 3/8"	SS Ball	140/110	RP4075
125	35	47	15mm or 3/8"	SS Roller	180/150	RP5072
125	35	47	15mm or 3/8"	SS Ball	180/150	RP5075
150	40	63	20mm or 1/2"	SS Roller	300/250	RP6072
150	40	63	20mm or 1/2"	SS Ball	300/250	RP6075
200	50	63	20mm or 1/2"	SS Roller	300/250	RP8072

# POLYURETHANE TYRED NYLON CENTERED WHEELS

These tyres are manufactured from injection moulded polyurethane around a nylon hub. They are hard wearing, non-marking and long lasting with high load carrying capabilities.

Richmond's standard polyurethane wheels are suitable for intermittent usage. If your application requires continuous running usage, please contact our engineering department for more suitable polyurethane tyres.










PU5539



PU6071



## SPECIFICATIONS

						
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
75	30	41	8mm	SS Ball	80/45	PU3345
75	30	41	8mm or 10mm	Ball	80/45	PU3344
100	30	41	8mm	SS Ball	100/80	PU4439
100	30	41	8mm or 3/8"	Ball	100/80	PU4444
100	35	45	1/2" or 3/4"	Roller	250/200	PU4408
100	50	63	1/2", 3/4" or 20mm	Ball	250/200	PU4409
125	27	41	8mm	SS Ball	100/80	PU5539
125	27	41	8mm or 3/8"	Ball	100/80	PU5555
125	35	45	3/4", 3/8" or 1/2"	Roller	250/200	PU5508
125	50	63	1/2", 3/4" or 20mm	Ball	350/300	PU5509
150	30	41	8mm	Ball	100/80	PU6660
150	50	63	1/2", 3/4" or 20mm	Ball	400/300	PU6071
200	50	63	1/2", 3/4" or 20mm	Ball	400/300	PU8071
200	50	48	20mm, 25mm or 1"	Ball	600/500	PU8074



PU4408



PU5555



PU8071



# POLYURETHANE TYRED CAST IRON CENTERED WHEELS

These Polyurethane Tyred Cast Iron Centred Wheels have a hardness ranging from 60A to 75D on the shore scale.

Special tyres and other polyurethane parts are manufactured in house.

Richmond's standard polyurethane wheels are suitable for intermittent usage. If your application requires continuous running usage, please contact our engineering department for more suitable polyurethane tyres.



PU449

## SPECIFICATIONS

						
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
75	25	29	1/2"	Ball	240/180	PU350
100	50	60	1/2" or 3/4"	Roller	250/200	PU424
100	50	57	1/2", 3/4", 5/8", 17mm or 20mm	Ball	500/380	PU425
100	38	41	3/8" or 1/2"	Ball	330/250	PU449
125	50	60	1/2" or 3/4"	Roller	250/200	PU524
125	50	57	1/2", 3/4", 5/8" or 20mm	Ball	500/380	PU525
125	38	41	3/8" or 1/2"	Ball	330/250	PU549
150	50	60	1/2" or 3/4"	Roller	250/200	PU614
150	75	76	20mm, 25mm or 1"	Ball	1100/900	PU615
150	50	63	1/2", 5/8" or 20mm	Ball	600/450	PU649
150	50	63	20mm, 25mm, 50mm or 1"	Ball	900/700	PU659
200	50	63	1/2", 3/4", 5/8" or 20mm	Ball	600/450	PU849
200	50	63	20mm, 25mm, 30mm, 50mm or 1"	Ball	1200/700	PU876
200	75	76	20mm, 25mm, 30mm, 40mm or 1"	Ball	1300/750	PU896
200	75	90	20mm	Ball	1500/1200	PU824
200	75	82	20mm	Ball	2000/1700	PU823
200	75	96	40mm	Taper	5000/3750	PU892
250	50	60	20mm, 25mm or 50mm	Ball	1200/900	PU1056
250	75	76	20mm, 25mm, 30mm, 35mm or 1"	Ball	1300/1000	PU1076
250	75	90	20mm	Ball	1500/1200	PU1030
250	75	82	20mm	Ball	2000/1700	PU1029
250	100	112	40mm	Ball	5000/3750	PU1048
250	100	112	40mm	Taper	5000/3750	PU1049
300	100	102	50mm	Ball	4000/3000	PU1207
300	75	82	20mm	Ball	2500/2000	PU1216
300	72	76	20mm or 25mm	Ball	1800/1350	PU1217
300	50	60	20mm	Ball	1300/1000	PU1218
300	100	102	25mm, 30mm or 40mm	Ball	2500/2000	PU1224
300	100	102	35mm	Ball	5000/3750	PU1203
300	100	112	40mm	Ball	5000/3750	PU1203
300	100	112	40mm	Ball	5000/3750	PU1238
400	125	137	40mm	Taper	5000/3750	PU1606

# DONUT PROFILE POLYURETHANE TYRED ALUMINIUM CENTERED WHEELS

These polyurethane tyred aluminium centred wheels require 20% less force to move than comparative wheels. The reactive polyurethane wheel tread is chemically and mechanically moulded on to a lightweight aluminium centre



PU815

PU636

PU536

PU436



## SPECIFICATIONS & FITTINGS

Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
100	50	66	1/2" or 20mm	Ball	100-150	PU436
125	50	66	1/2" or 20mm	Ball	150-200	PU536
150	50	66	1/2" or 20mm	Ball	150-200	PU636
200	50	66	1/2" or 20mm	Ball	200-250	PU815

## RELATED CASTORS 500 SERIES



S6016

S6016SLB

R6017

S8260

S8260SLB

R8261

## RELATED CASTORS HEAVY INDUSTRIAL SERIES



S4372

S4372SLB

R4373

S5372

S5372SLB

R5373



S6626

S6626SLB

R6627

S8824

S8824SLB

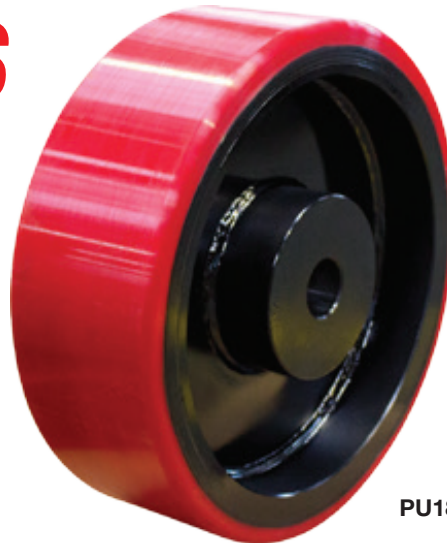
R8825

# DRIVE WHEELS

Richmond's Drive Wheels are polyurethane tyred with a hardness of 85 Shore A. The Cast Iron centre is bored to provide a transition fit onto a shaft.

Drive wheels are stocked without keyways cut. Please enquire if you wish us to supply with keyways.

Richmond's standard polyurethane wheels are suitable for intermittent usage. If your application requires continuous running usage, please contact our engineering department for more suitable polyurethane tyres.



PU1800DV



## SPECIFICATIONS



Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
150	75	76	25mm transition fit	Plain	900	PU615DV
150	50	63	25mm	Plain	500	PU659DV
200	50	63	25mm	Plain	700	PU876DV
200	75	76	25mm or 40mm	Plain	900	PU896DV
250	100	112	50mm	Plain	5000/3750	PU1049DV
250	50	60	50mm	Plain	1200/900	PU1056DV
250	75	76	25mm or 40mm	Plain	1100	PU1076DV
300	100	102	50mm	Plain	2000	PU1207DV
300	75	76	50mm	Plain	1000	PU1217DV
400	125	137	50mm	Plain	2800	PU1606DV
450	150	152	50mm	Plain	3500	PU1800DV

Richmond are specialist manufacturers of polyurethane tyred wheels and rollers. We use many grades of polyurethane and can advise, design and manufacture to suit your application. **1300 4 RICHMOND** or email [sales@richmondau.com](mailto:sales@richmondau.com)



PU659DV



PU876DV



PU1076DV

# HIGH/LOW TEMPERATURE WHEELS

Richmond's High/Low Temperature wheels are glass-filled nylon and aluminium wheels suitable for use in bakery ovens, smoke houses, chillers or applications where there is temperature fluctuation and exposure from -30° to +350°C with peaks up to 400°C.

Aluminium wheels AL472 and AL473 are fitted with DU Teflon bushes for noiseless ease of use, while AL471 and AL474 are fitted with aluminium bronze bushes for extremely high temperatures.









All wheels can be fitted to a variety of our castor frames. Please phone for more comprehensive advice.



Aluminium  
AL473



## SPECIFICATIONS

							
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Temp Range	Wheel Code
75	32	38	1/2"	Plain	150/100	-30° to 300°C	Ci3340
100	31	41	8mm	Ball Bearing	150/180	-30° to 280°C	HT478-31
100	40	48	3/8"	Ball Bearing	150/180	-30° to 280°C	HT479-37
100	35	45	20mm	Plain	200/150	-30° to 240°C	GF412
100	30	37	1/2"	Plain	200/150	-30° to 240°C	GF4420
100	36	40	5/16", 1/2"	AL bronze bush	180/150	-30° to 400°C	AL471
100	36	40	5/16", 1/2"	DU Teflon bush	180/150	-30° to 280°C	AL472
100	36	46	3/8", 1/2"	DU Teflon bush	180/150	-30° to 280°C	AL473
100	36	46	3/8", 1/2"	AL bronze bush	180/150	-30° to 400°C	AL474
100	38	45	1/2"	Plain	300/225	-30° to 300°C	Ci421
125	38	45	1/2"	Plain	380/280	-30° to 300°C	Ci532
150	45	57	3/4"	Plain	400/300	-30° to 240°C	GF652
150	45	60	1/2", 3/4"	Plain	600/450	-30° to 300°C	Ci611
150	50	60	5/8"	Plain	500/400	-30° to 300°C	SG608
200	43	60	20mm	Plain	400/300	-30° to 240°C	GF800
200	50	60	3/4"	Plain	600/450	-30° to 300°C	Ci842
250	50	60	30mm	Ball	500/400	-30° to 240°C	GF1023

Castors using High/Low Temperature Wheels can be found in this catalogue conveniently marked with a  Temperature Symbol.  
**Please Note:** When we fit these wheels to our castors, we remove the castor headseal and lubricate with high temperature grease (Food grade lubricants are available).



SG Iron  
SG608



Glass Filled Nylon  
GF652



Glass Filled Nylon  
GF412



Cast Iron  
Ci421



Polymer  
HT479-37

**NEW**



# SOLID NYLON WHEELS

Available in black or white. Solid Nylon Wheels are virgin nylon, fully conditioned in an industrial sauna for maximum strength.

They are an easy to maintain durable wheel with low rolling resistance and are high wearing when compared to equivalent sized rubber wheels.



NY830










NY655










STAINLESS STEEL BEARING OPTIONS AVAILABLE

## SOLID NYLON WHEELS - BLACK

							
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Colour	Wheel Code
75	25	28 incl. sleeve	6 or 8mm	Plain	50/40	Black	NY3324
100	26	33.5 incl. sleeve	8mm	Plain	70/60	Black	NY4415
100	35	47	1/2" or 3/4"	Plain	300/200	Black	NY401
100	35	44	12mm	Roller	300/200	Black	NY403
100	35	42	3/8" or 1/2"	Ball	300/200	Black	NY413
125	35	44	1/2" or 3/4"	Plain	350/250	Black	NY501
125	35	44	3/4"	Roller	330/250	Black	NY503
125	35	48	3/8" or 1/2"	Ball	330/250	Black	NY513
150	50	60	3/4", 20mm or 7/8"	Plain	400/300	Black	NY652
150	50	63	1/2", 5/8", 3/4" or 20mm	Ball	400/300	Black	NY613
150	50	63	1/2" or 20mm	SS Ball	400/300	Black	NY635
200	50	60	3/4", 20mm or 7/8"	Plain	400/300	Black	NY800
200	50	63	1/2", 5/8", 3/4" or 20mm	Ball	400/300	Black	NY830
200	50	63	1/2" or 20mm	SS Ball	400/300	Black	NY854

## SOLID NYLON WHEELS - WHITE

							
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Colour	Wheel Code
50	20	22	5/16"	Plain	50/35	White	NY204
75	30	38	5/16" or 1/2"	Plain	125/100	White	NY3321
100	35	47	1/2"	Plain	300/200	White	NY401
100	30	37	5/16" or 1/2"	Plain	125/100	White	NY4417
125	35	44	1/2" or 3/4"	Plain	350/250	White	NY501
125	30	37	5/16" or 1/2"	Plain	125/100	White	NY5517
150	50	60	3/4", 20mm or 7/8"	Plain	400/300	White	NY652
150	45	45	3/4"	Plain	250/200	White	NY653
150	50	60	20mm	SS Roller	400/300	White	NY655
200	50	60	3/4", 20mm or 7/8"	Plain	400/300	White	NY800
200	50	63	20mm	SS Roller	500/400	White	NY802

Quantities of 1000 or more available in your nominated colour.

# POLYURETHANE & NYLON ROLLERS

Richmond's standard nylon and polyurethane roller range offer good wear resistance.









These are often used as replacement parts for pallet jacks and other applicable equipment. Richmond can also custom make rollers for printing and press applications.



PU8074



## SPECIFICATIONS

							
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Wheel Type	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
80	96	96	Polyurethane	20mm	Ball	800/700	PU324
80	96	96	Nylon	20mm	Ball	800/700	NY335
82	100	100	Polyurethane	20 or 25mm	Ball	500/375	PU326
82	82	82	Polyurethane	20 or 25mm	Ball	450/340	PU341
82	75	75	Polyurethane	20 or 25mm	Ball	450/340	PU325
82	65	65	Polyurethane	20 or 25mm	Ball	400/300	PU340
82	100	100	Nylon	20 or 25mm	Ball	800/700	NY417
82	82	82	Nylon	20 or 25mm	Ball	600/500	NY418
100	75	75	Polyurethane	20 or 25mm	Ball	600/450	PU410
200	50	48	Polyurethane	20 or 25mm	Ball	600/500	PU8074
200	50	48	Nylon	20 or 25mm	Ball	600/500	NY832
200	50	56	Polyurethane	20mm	Ball	600/500	PU820
200	50	56	Nylon	20mm or 25mm	Ball	600/500	NY833



NY417



NY833-M25WHT

# CAST IRON & SG WHEELS

Both Cast Iron & Spheroidal Graphite Iron wheels provide high capacity with low rolling resistance. They are hard wearing, as well as abrasive and heat resistant.

They can be used for high load bearing applications in which loads are left standing for extended periods as they will always be ready to roll as they have low rolling resistance.



SG1040










Ci842










## SPECIFICATIONS

### CAST IRON WHEELS

						
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
75	32	38	1/2"	Plain	150/100	Ci3340
100	38	45	1/2"	Plain	300/225	Ci421
100	50	60	1/2" or 5/8"	Ball	750/560	Ci464 *
100	38	41	1/2" or 3/8"	Ball	400/300	Ci400
125	38	45	1/2"	Plain	380/280	Ci532
125	45	60	5/8"	Ball	660/500	Ci520
150	45	60	1/2", 3/4"	Plain	600/450	Ci611
150	75	76	20 or 25 mm	Ball	1670/1250	Ci689
150	45	60	1/2", 5/8", 3/4" & 20mm	Ball	1000/500	Ci601
200	50	60	3/4"	Plain	600/450	Ci842
200	50	60	1/2", 20 or 25mm	Ball	1000/750	Ci852

### SG IRON WHEELS

						
Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
150	50	60	5/8"	Plain	500/400	SG608
200	75	90	20mm	Ball	1500/1200	SG822
200	75	76	20mm	Ball	2000/1700	SG834
200	50	60	20 or 25mm	Ball	1800/1350	SG835 *
200	75	90	20mm	Ball	2000/1700	SG821
200	75	96	40mm	Taper	5000/3750	SG836 *
250	75	90	20mm	Ball	1500/1200	SG1027
250	75	76	20 or 25 mm	Ball	1800/1350	SG1040
250	75	82	20mm	Ball	2000/1700	SG1028

WHEELS MARKED \* ARE MANUFACTURED FROM K1045 STEEL