

# RICHMOND

## WHEEL AND CASTOR CO



WHEEL & CASTOR PRODUCT GUIDE 2010



**RICHMOND**

**NEW VERSION  
DESIGNED FOR  
SMARTPHONE  
iPhone &  
Tablet PC**



**REVISED**  
1:35 pm, Mar 04, 2013

# CASTORS

**FURNITURE  
CASTORS**



**PAGE 1**

**UTILITY SERIES  
BOLT CASTORS**



**PAGE 2**

**UTILITY SERIES  
PLATE CASTORS**



**PAGE 3**

**UTILITY SERIES  
TWIN WHEEL  
CASTORS**



**PAGE 4**

**LIGHT INDUSTRIAL  
SERIES CASTORS**



**PAGE 5**

**SINGLE BOLT ZINC  
DUROLITE SERIES**



**PAGE 6**

**ZINC DUROLITE  
PLATE SERIES  
CASTORS**



**PAGE 7**

**CHROME DUROLITE  
BOLT SERIES  
CASTORS**



**PAGE 8**

**CHROME DUROLITE  
PLATE SERIES  
CASTORS**



**PAGE 9**

**BOLT HOLE 300  
SERIES CASTOR  
100-125MM**



**PAGE 10**

**300 SERIES  
CASTORS  
100-125MM**



**PAGE 11**

**300 SERIES  
CASTORS  
150-200MM**



**PAGE 12**

**PNEUMATIC  
SERIES CASTORS**



**PAGE 13**

**HEAVY INDUSTRIAL  
SERIES CASTORS**



**PAGE 14**

**HEAVY INDUSTRIAL  
SERIES CASTORS**



**PAGE 15**

**HEAVY DUTY  
WELDED SERIES  
CASTORS**



**PAGE 16**

**WASTE BIN  
CASTORS**



**PAGE 17**

**500 SERIES  
CASTORS**



**PAGE 18**

**1000 SERIES  
CASTORS**



**PAGE 19**

**FORGED HEAD  
SERIES**



**PAGE 20**

**2000 SERIES  
CASTORS**



**PAGE 21**

**HIGH  
PERFORMANCE  
SERIES CASTORS**



**PAGE 22**

**EXTRA HIGH  
PERFORMANCE  
SERIES CASTORS**



**PAGE 23**

**TOWMASTER  
CASTOR**



**PAGE 24**

**CARGO SERIES  
CASTOR**



**PAGE 25**

**STAINLESS STEEL  
MEDICAL ELITE  
BOLT SERIES**



**PAGE 26**

**STAINLESS STEEL  
MEDICAL ELITE  
PLATE SERIES**



**PAGE 27**

**STAINLESS STEEL  
EXCEL BOLT HOLE  
SERIES**



**PAGE 28**

**STAINLESS STEEL  
EXCEL PLATE  
SERIES**



**PAGE 29**

**SHOWER  
CASTORS**



**PAGE 30**

# CASTORS

**DURAPLAS  
CASTORS**



**PAGE 30**

**MEDI TWIN  
SERIES**



**PAGE 31**

**CENTRAL  
LOCKING CASTOR  
INFORMATION**



**PAGE 32**

**CENTRAL LOCKING  
MEDICAL SERIES**



**PAGE 33**

**CENTRAL  
LOCKING  
ACCESSORIES**



**PAGE 33**

**ABS CENTRAL  
LOCKING SERIES**



**PAGE 34**

**ABS CENTRAL  
LOCKING TWIN  
WHEEL SERIES**



**PAGE 34**

**REFRIGERATION  
CASTORS**



**PAGE 35**

**ADJUSTABLE  
STAINLESS STEEL  
CATERING LEGS**



**PAGE 36**

**THREADED  
BASE PLATES**



**PAGE 36**

**SPRING LOADED  
GATE CASTORS**



**PAGE 37**

**TUBE TYPE  
SCAFFOLD CASTORS**



**PAGE 38**

**SCAFFOLD  
CASTORS**



**PAGE 39**

**JOCKEY WHEELS**



**PAGE 40**

# WHEELS

**PLASTIC CENTRED  
PNEUMATIC WHEELS**



**PAGE 41**

**STEEL CENTRED  
PNEUMATIC  
WHEELS**



**PAGE 42**

**RUBBER TYRED  
NYLON CENTRED  
WHEELS**



**PAGE 43**

**SEMI PNEUMATIC  
RUBBER TYRED  
WHEELS**



**PAGE 43**

**RUBBER TYRED  
NYLON CENTRED  
BEARING WHEELS**



**PAGE 44**

**RUBBER TYRED  
CAST IRON  
CENTRED WHEELS**



**PAGE 44**

**INSTITUTIONAL  
RUBBER WHEELS**



**PAGE 45**

**ANTI STATIC  
RUBBER WHEELS**



**PAGE 45**

**REBOUND RUBBER  
TYRED WHEELS**



**PAGE 46**

**ELASTIC RUBBER  
TYRED WHEELS**



**PAGE 46**

# WHEELS

**CUSHION RUBBER WHEELS**



PAGE 47

**SOLID PNEUMATIC WHEELS**



PAGE 47

**REBOUND POLYURETHANE TYRED WHEELS**



PAGE 48

**SOLID POLYURETHANE WHEELS**



PAGE 48

**POLYURETHANE TYRED NYLON CENTRED WHEELS**



PAGE 49

**POLYURETHANE TYRED CAST IRON CENTRED WHEELS & DRIVE WHEELS**



PAGE 50

**POLYURETHANE & NYLON ROLLERS**



PAGE 51

**HIGH / LOW TEMPERATURE WHEELS**



PAGE 52

**SOLID NYLON WHEELS**



PAGE 53

**CAST IRON & SG IRON WHEELS**



PAGE 54

# ENGINEERING

**RICHMOND ENGINEERING SOLUTIONS**



PAGE 55

**CONCRETE AGITATOR ROLLERS**



PAGE 56

**TRACK WHEELS - SINGLE FLANGE**



PAGE 57

**TRACK WHEELS - DOUBLE FLANGE**



PAGE 58

**TRACK WHEELS - BEAM TROLLEY**



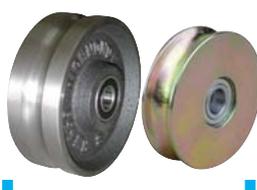
PAGE 58

**TRACK WHEELS - V GROOVE**



PAGE 59

**TRACK WHEELS - C GROOVE**



PAGE 60

**TRACK WHEELS - ROPE GROOVE**



PAGE 60

**SLIDING TRACK WHEELS**



PAGE 61

**POLYURETHANE CUSTOM MOULDINGS**



PAGE 62

**PIPE ROLLERS**



PAGE 63

**SPRING LOADED CASTORS**



PAGE 64

**GLASS INDUSTRY CASTORS**



PAGE 64

**LEVELING JACK**



PAGE 65

**AXLES**



PAGE 65

**HUBS**



PAGE 65

# CONVEYORS

**GRAVITY  
CONVEYOR  
ROLLERS**



**PAGE 66**

**GRAVITY  
CONVEYOR  
WITH STANDS**



**PAGE 67**

**GRAVITY  
CONVEYOR BENDS**



**PAGE 68**

**MULTI DIRECTIONAL  
WHEELS**



**PAGE 69**

**BALL TRANSFERS**



**PAGE 69**

# ACCESSORIES

**FLOORLOCKS**



**PAGE 70**

**A - JUSTA - FOOT  
BALL JOINTED**



**PAGE 71**

**A - JUSTA - FOOT  
BOLT DOWN**



**PAGE 72**

**A - JUSTA - FOOT  
FIXED FOOT**



**PAGE 73**

**SQUARE THREADED  
TUBE ENDS**



**PAGE 74**

**ROUND THREADED  
TUBE END**



**PAGE 75**

**SQUARE LONG  
THREADED  
TUBE END**



**PAGE 76**

**ROUND LONG  
THREADED  
ROUND TUBE END**



**PAGE 76**

**LOCKING KNOBS**



**PAGE 77**

**LEVELLING  
FEET**



**PAGE 77**

**SQUARE TUBE  
END CAPS**



**PAGE 78**

**ROUND TUBE  
END CAPS**



**PAGE 78**

**PINTLE PARTS**



**PAGE 79**

**SLEEVE, &  
TOP HATS**



**PAGE 80**

**BEARING & AXLES**



**PAGE 81**

**BUFFERS**



**PAGE 82**

**ROLLING  
RESISTANCE**



**PAGE 83**

**WHEELS & CASTOR  
PRODUCT GUIDE**



**PAGE 84**

# Furniture Castors

Capacity up to 40kg per castor

- An economic and attractive castor made to fit furniture
- Available with a range of fittings, furniture castors can be fitted to most office furniture including tables, chairs, trolleys, light cabinets and racks
- These castors are hard wearing and roll well over carpets without pulling pile



S52TH

S50PT

## Specifications & Fittings



S50PT



S51GN



S52TH



S53WC

### 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

### 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)

### Pintle Parts To Suit the Furniture Castors

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

To order furniture castors with brakes, add B to the end of the castor code, eg S53WCB indicates brake castor

# Utility Series Bolt Castors

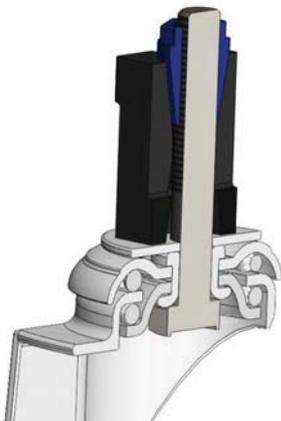
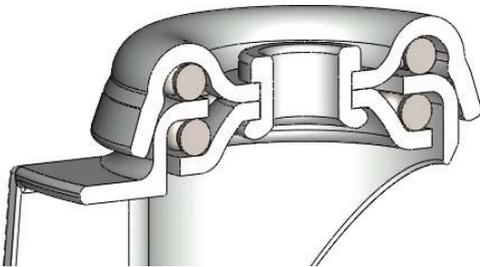
Capacity up to 70kg per castor

- Zinc plated, pressed metal construction, with a corrosion resistant finish
- Choice of nylon or grey non-marking wheels
- Ideal for light duty applications including wire baskets, display equipment and light trolley applications
- The ability to add various pintle fittings



**Bolt Hole  
S3714**

## CROSS SECTION UTILITY SERIES BOLT TYPE CASTOR



**Cross Section Bolt Type Castor  
inserted in tube with expanding  
pintle part**

Pintle Parts To Suit the Utility Bolt Castor		
Pintle	Pintle Code	Pintle Type
	UT110-P1	For 19mm ID Round Tube
	UT110-P2	For 22mm ID Round Tube
	UT110-P3	For 28.5mm ID Round Tube
	UT110-P4	For 19mm ID Square Tube
	UT110-P5	For 22mm ID Square Tube
	UT110-P6	For 28.5mm ID Square Tube
	<b>Single Bolt Fitting</b> Various bolt lengths available	

\*Also see page 79 for Solid and Threaded pintle options

## 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
50	20	Rubber	NO CODE	Ball	30/20	68	49 75	10	<b>S2714</b>
50	20	Nylon	NO CODE	Plain	30/20	68	49 75	10	<b>S2712</b>
75	25	Rubber	RN3301	Ball	50/40	98	65 85	10	<b>S3714</b>
75	25	Nylon	NY3324	Plain	50/40	98	65 85	10	<b>S3712</b>
100	27	Rubber	RN4401	Ball	70/60	131	90 100	10	<b>S4714</b>
100	25	Nylon	NY4415	Plain	70/60	131	90 100	10	<b>S4712</b>

To order castor with Swivel Lock & Brake, add B to the end of the Swivel Code, eg S3714B indicates a brake castor.

# Utility Series Plate Castors

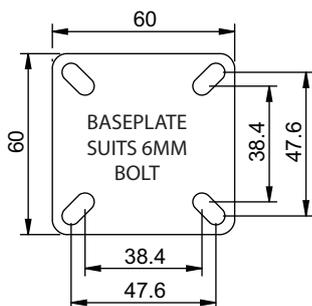
Capacity up to 70kg per castor



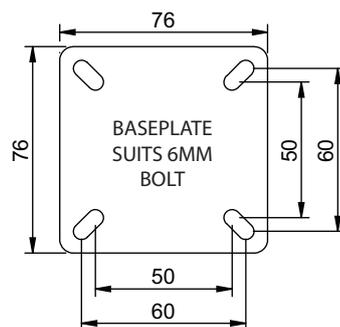
- Zinc plated, pressed metal construction, providing a corrosion resistant finish
- Choice of nylon or grey non-marking wheels
- Ideal for light duty applications including wire baskets, display equipment and light trolley applications

**Swivel  
S3710B**

## BASEPLATE DIMENSIONS SWIVEL CASTOR

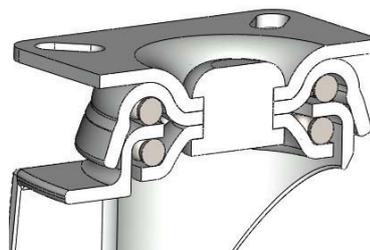


**50MM & 75MM SWIVEL & RIGID**



**100MM SWIVEL & RIGID**

## CROSS SECTION UTILITY SERIES PLATE TYPE CASTOR



## Specifications & Fittings

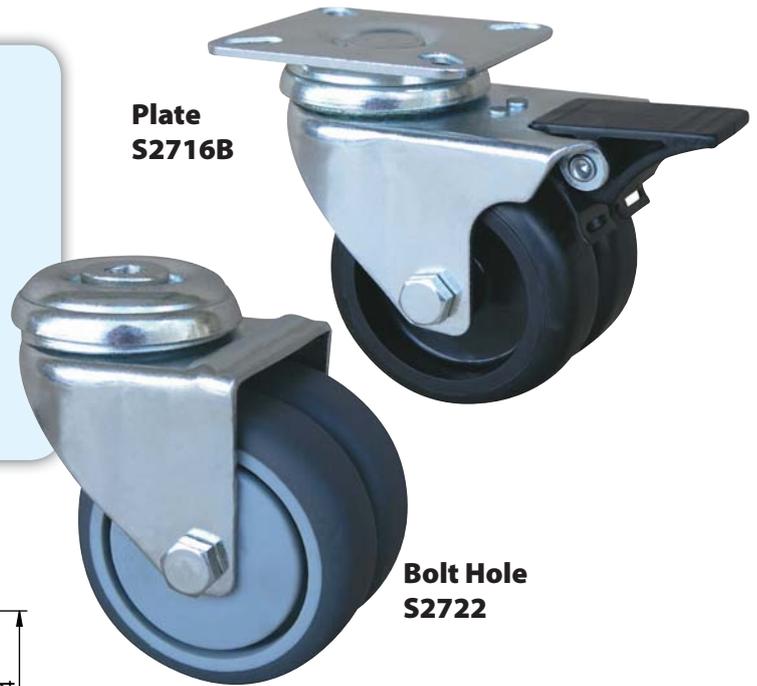
 Diameter (mm)	 Width (mm)	 Wheel Type	 Wheel Code	 Bearing Type	 Load Capacity	 Height (mm)	 Swivel Radius with brake	 Rigid Code	 Swivel Code
50	20	Rubber	NO CODE	Ball	30/25	69	50 77	R2711	S2710
50	20	Nylon	NO CODE	Plain	30/25	69	50 77	R2709	S2708
75	25	Rubber	RN3301	Ball	50/40	98	65 85	R3711	S3710
75	25	Nylon	NY3324	Plain	50/40	98	65 85	R3709	S3708
100	25	Rubber	RN4401	Ball	70/60	134	90 100	R4711	S4710
100	25	Nylon	NY4415	Plain	70/60	134	90 100	R4717	S4716

To order castor with Swivel Lock & Brake, add B to the end of the Swivel Code, eg S3708B indicates a brake castor.

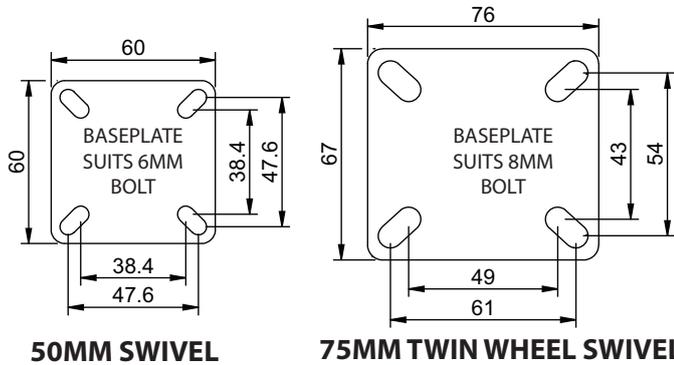
# Utility Series Twin Wheel Castors

Capacity up to 100kg per castor

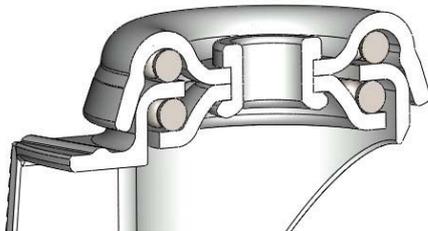
- Zinc plated, pressed metal construction, with a corrosion resistant finish
- Twin Wheels for easy maneuverability under load
- Low profile
- Available in plate or bolt type castor
- Made for light duty applications including TV cabinets, shopfitting and other furniture



## BASEPLATE DIMENSIONS PLATE CASTOR



## CROSS SECTION UTILITY SERIES TWIN WHEEL BOLT TYPE CASTOR



Pintle parts to suit the Utility Bolt Castor		
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

\*Also see page 79 for Solid and Threaded pintle options

## Specifications & Fittings

### TWIN WHEEL BOLT CASTOR

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius with brake	Bolt Size (mm)	Swivel Code
50	2 x 17	Rubber	NO CODE	Ball	70/60	71	60 83	10	S2722
50	2 x 17	Nylon	NO CODE	Plain	70/60	71	60 83	10	S2720
75	2 x 25	Rubber	NO CODE	Ball	100/90	98	70 100	10	S3722
75	2 x 25	Nylon	NO CODE	Plain	100/90	98	70 100	10	S3720

### TWIN WHEEL PLATE CASTOR

50	2 x 17	Rubber	NO CODE	Ball	70/60	71	60 80		S2718
50	2 x 17	Nylon	NO CODE	Plain	70/60	71	60 80		S2716
75	2 x 17	Rubber	NO CODE	Ball	100/90	101	70 100		S3718
75	2 x 17	Nylon	NO CODE	Plain	100/90	101	70 100		S3716

To order castor with Swivel Lock & Brake, add B to the end of the Swivel Code, eg S2716B indicates a brake castor.

# Light Industrial Series Castors

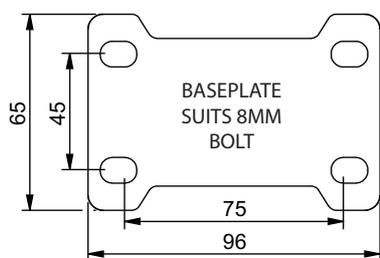
Capacity up to 125kg per castor



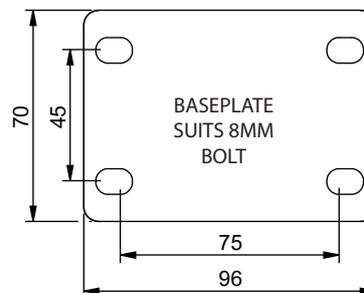
- Robust twin race swivel action for long life
- Zinc plated corrosion resistant frame
- Pressed metal castor
- Available with a wide range of wheels
- Ideal for use on mobile equipment in hospitals, nurseries, shops and industry

**Swivel  
S4404B**

## BASEPLATE DIMENSIONS LIGHT INDUSTRIAL CASTOR



75 -125MM RIGID CASTOR



75 -125MM SWIVEL CASTOR

## 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	25	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	74 -	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	27	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	35	Phenolic	PH474	Plain	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	27	Poly Nylon	PU5555	Ball	100/80	160	100 110	R5523	S5522
125	30	Nylon	NY5517	Plain	125/100	160	100 110	R5507	S5506

To order castor with Swivel Lock & Brake, add B to the end of the Swivel Code, eg S5504B indicates a brake castor. Castors marked \* are not available with brakes.  Indicates castors suitable for high temperature application.

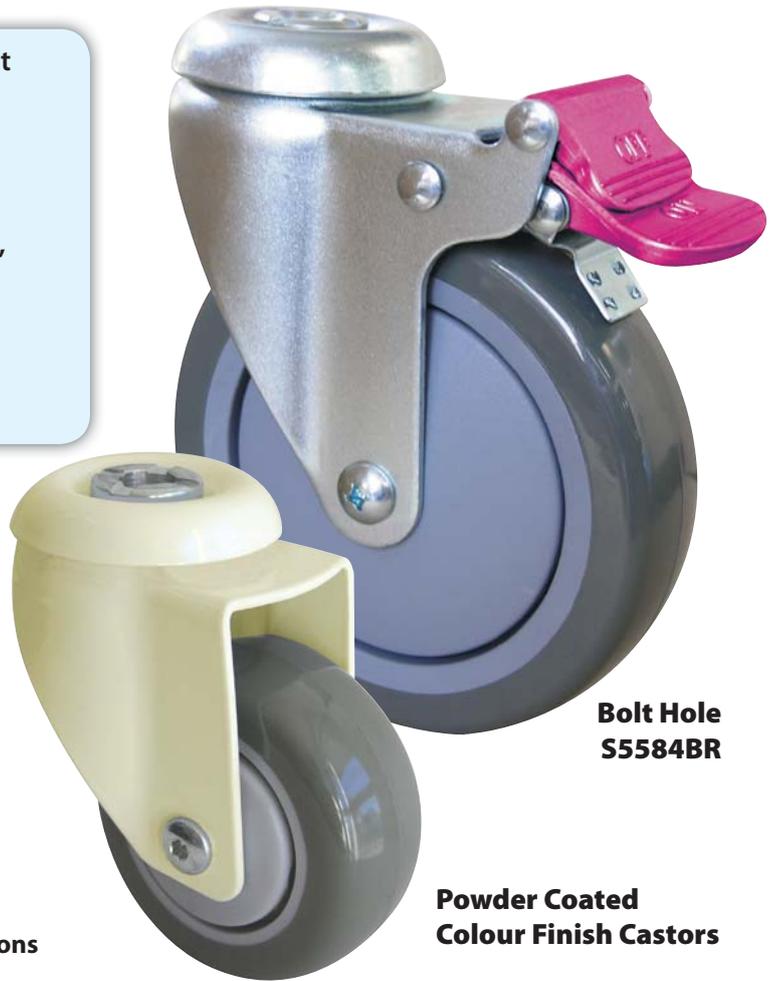
# Single Bolt Zinc Durolite Series

Capacity up to 100kg per castor

- With all the features of the plate castor, the bolt hole series can be fixed with a range of fittings
- Twin race swivel action for long life with pressed metal frame and zinc plated finish
- Ideal for use on mobile equipment in hospitals, nurseries, shops, industry and catering equipment
- Available in various colours to suit your application (see photo), Please Enquire

Pintle Parts To Suit the Zinc Durolite Single Bolt Castor		
Pintle	Pintle Code	Pintle Type
	Γ12-P1	For 19mm ID Round Tube
	Γ12-P2	For 22mm ID Round Tube
	Γ12-P3	For 28.5mm ID Round Tube
	Γ12-P4	For 19mm ID Square Tube
	Γ12-P5	For 22mm ID Square Tube
	Γ12-P6	For 28.5mm ID Square Tube

\*Also see page 79 for Solid and Threaded pintle options



**Bolt Hole  
S5584BR**

**Powder Coated  
Colour Finish Castors**

## 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	32	Inst Rubber	IR3008	Ball	80/45	107	71	105	12	<b>S3080 #</b>
75	30	Reb Rubber	RR3348	Ball	80/45	107	71	105	12	<b>S3355 #</b>
75	30	Poly Nylon	PU3344	Ball	80/45	107	71	105	12	<b>S3330 #</b>
75	30	Nylon	NY3321	Plain	80/45	107	71	105	12	<b>S3326 #</b>
100	32	Inst Rubber	IR4007	Ball	100/80	133	90	106	12	<b>S4080</b>
100	32	Anti Static	AS4005	Ball	100/80	133	90	106	12	<b>S4493</b>
100	32	Reb Rubber	RR4473	Ball	100/80	133	90	106	12	<b>S4483</b>
100	27	Poly Nylon	PU4444	Ball	100/80	133	90	106	12	<b>S4484</b>
100	30	Nylon	NY4417	Plain	100/80	133	90	106	12	<b>S4485</b>
125	32	Inst Rubber	IR5007	Ball	100/80	159	102	106	12	<b>S5080</b>
125	32	Anti Static	AS5005	Ball	100/80	159	102	106	12	<b>S5593</b>
125	32	Reb Rubber	RR5573	Ball	100/80	159	102	106	12	<b>S5583</b>
125	27	Poly Nylon	PU5555	Ball	100/80	159	102	106	12	<b>S5584</b>
125	30	Nylon	NY5517	Plain	100/80	159	102	106	12	<b>S5585</b>
150	32	Inst Rubber	IR6009	Ball	100/80	187	125	125	12	<b>S6080</b>
150	30	Poly Nylon	PU6660	Ball	100/80	187	125	125	12	<b>S6081</b>

To order castor with Chrome Brake (BC), Red Brake (BR) or Green Directional Lock (D) add BC, BR or D to the end of the Swivel Code., EG S6080BR indicates red brake castor. All brakes are Swivel, Lock & Brake.

Castors marked # are not available with directional lock.

# Zinc Durolite Plate Series Castors

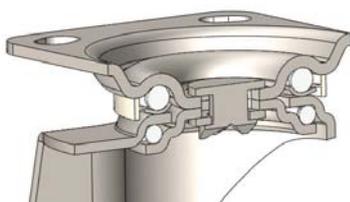
Capacity up to 125kg per castor



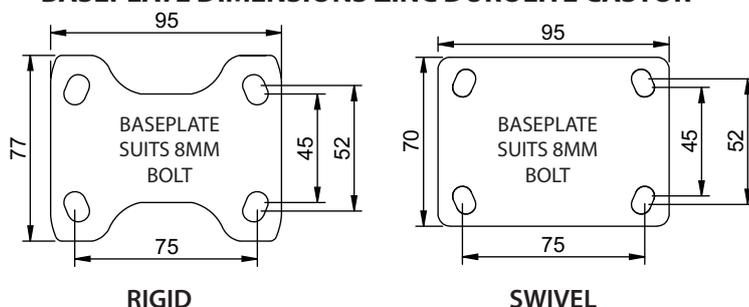
- Twin race swivel action for long life with pressed metal frame
- Available with a wide range of wheels to suit your application
- Ideal for use on mobile equipment in hospitals, nurseries, shops and industry
- Available in various colours to suit your application, Please Enquire

**Swivel  
S4106B**

**CROSS SECTION ZINC DUROLITE  
PLATE TYPE CASTOR**



**BASEPLATE DIMENSIONS ZINC DUROLITE CASTOR**



## 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	<b>R3105</b>	<b>S3104 #</b>
75	32	Reb Rubber	RR3348	Ball	80/45	107	71 105	<b>R3117</b>	<b>S3116 #</b>
75	30	Poly Nylon	PU3344	Ball	80/45	107	71 105	<b>R3107</b>	<b>S3106 #</b>
75	30	Nylon	NY3321	Plain	80/45	107	71 105	<b>R3103</b>	<b>S3102 #</b>
100	35	Inst Rubber	IR4007	Ball	100/80	135	90 106	<b>R4105</b>	<b>S4104</b>
100	32	Anti Static	AS4005	Ball	100/80	135	90 106	<b>R4121</b>	<b>S4120</b>
100	32	Reb Rubber	RR4473	Ball	100/80	135	90 106	<b>R4111</b>	<b>S4110</b>
100	32	Poly Nylon	PU4444	Ball	100/80	135	90 106	<b>R4107</b>	<b>S4106</b>
100	27	Nylon	NY4417	Plain	100/80	135	90 106	<b>R4103</b>	<b>S4102</b>
100	30	Phenolic	PH472	Teflon	125/100	133	90 -	<b>R4113</b>	<b>S4112 *</b>
125	32	Inst Rubber	IR5007	Ball	100/80	161	102 106	<b>R5105</b>	<b>S5104</b>
125	32	Anti Static	AS5005	Ball	100/80	161	102 106	<b>R5121</b>	<b>S5120</b>
125	32	Reb Rubber	RR5573	Ball	100/80	161	102 106	<b>R5111</b>	<b>S5110</b>
125	27	Poly Nylon	PU5555	Ball	100/80	161	102 106	<b>R5107</b>	<b>S5106</b>
125	30	Nylon	NY5517	Plain	100/80	161	102 106	<b>R5103</b>	<b>S5102</b>
150	32	Inst Rubber	IR6009	Ball	100/80	190	125 117	<b>R6105</b>	<b>S6104</b>
150	30	Poly Nylon	PU6660	Ball	100/80	190	125 117	<b>R6107</b>	<b>S6106</b>

To order castor with a Swivel Lock & Brake (B) or Green Directional Lock (D) to the end of the Swivel Code, eg S4110B indicates a brake castor. Castors marked # are not available with Directional Locks. Castors marked \* are not available with brakes. / Indicates castors suitable for high temperature application.

# Chrome Durolite Bolt Series Castors

Capacity up to 125kg per castor

- With all the features of the plate type castor, the bolt castor has the ability to add various fittings including pre fitted threaded inserts, solid drilled metal pintles, expanding pintles or a single bolt
- Robust twin swivel race action providing durability
- Used in hospitals, institutions, retail applications and nursing homes. Also an attractive addition to furniture



**Bolt Hole  
S5580BC**



**Cross Section Bolt Type Castor  
inserted in tube with expanding  
pintle part**

Pintle Parts To Suit the Chrome Durolite Bolt Castor		
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
	<b>Single Bolt Fitting</b> Various bolt lengths available	

\*Also see page 79 for Solid and Threaded pintle options

## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity (kg)	Height (mm)	Swivel Radius with brake (mm)	Bolt Size (mm)	Swivel Code	
75	30	Inst Rubber	IR3008	Ball	80/45	105	76	105	12	<b>S3380 #</b>
75	30	Poly Nylon	PU3344	Ball	80/45	105	76	105	12	<b>S3381 #</b>
100	32	Inst Rubber	IR4008	Ball	100/80	133	90	106	12	<b>S4480</b>
100	32	Anti Static	AS4005	Ball	100/80	135	90	106	12	<b>S4469</b>
100	32	Anti Static	AS4006	Ball	100/80	135	90	106	12	<b>S4462</b>
100	27	Poly Nylon	PU4444	Ball	100/80	135	90	106	12	<b>S4481</b>
125	32	Inst Rubber	IR5008	Ball	100/80	159	102	106	12	<b>S5580</b>
125	32	Anti Static	AS5005	Ball	100/80	159	102	106	12	<b>S5569</b>
125	32	Anti Static	AS5006	Ball	100/80	159	102	106	12	<b>S5562</b>
125	27	Poly Nylon	PU5555	Ball	100/80	159	102	106	12	<b>S5581</b>
150	32	Inst Rubber	IR6008	Ball	100/80	187	125	125	12	<b>S6680</b>
150	30	Poly Nylon	PU6660	Ball	100/80	187	125	125	12	<b>S6681</b>
150	30	Nylon	NY6617	Ball	125/100	187	125	125	12	<b>S6682</b>

To order castor with Chrome Brake (BC), Red Brake (BR) or Green Directional Lock (D) add BC, BR or D to the end of the Swivel Code., EG **S6682BR** indicates red brake castor. Castors marked # are not available with Directional Locks. All brakes are Swivel, Lock & Brake.

# Chrome Durolite Plate Series Castors

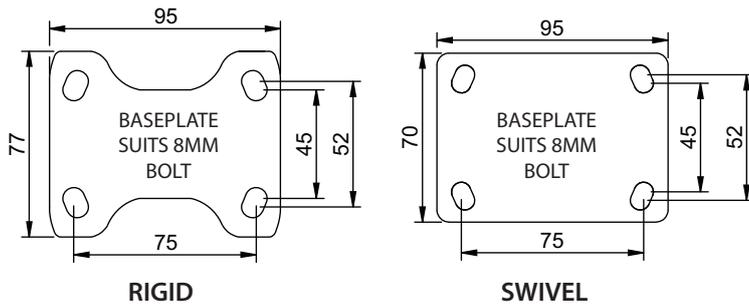
Capacity up to 125kg per castor



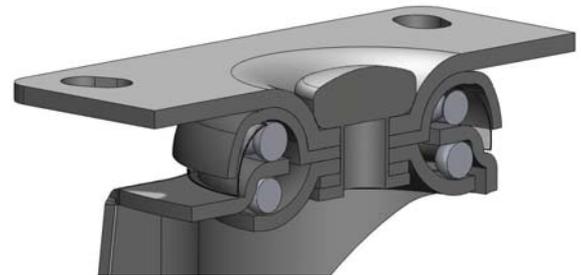
- Truly the best looking durable castor in it's class
- Features a chrome plated pressed metal frame giving strength and corrosion resistance
- Robust twin swivel race action providing durability
- Used in hospitals, institutions, retail applications and nursing homes. Also an attractive addition to furniture

**Swivel  
S5586BC**

## BASEPLATE DIMENSIONS LIGHT INDUSTRIAL CASTOR



## CROSS SECTION CHROME DUROLITE PLATE TYPE CASTOR



## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity (kg)	Height (mm)	Swivel Radius with brake	Rigid Code	Swivel Code
75	30	Inst Rubber	IR3008	Ball	80/45	107	70 105	R3375	S3374 #
75	30	Poly Nylon	PU3344	Ball	80/45	107	70 105	R3373	S3372 #
100	32	Inst Rubber	IR4008	Ball	100/80	135	90 106	R4475	S4474
100	32	Anti Static	AS4005	Ball	100/80	135	90 106	R4509	S4508
100	32	Anti Static	AS4006	Ball	100/80	135	90 106	R4465	S4464
100	27	Poly Nylon	PU4444	Ball	100/80	135	90 106	R4487	S4486
125	32	Inst Rubber	IR5008	Ball	100/80	161	102 106	R5575	S5574
125	32	Anti Static	AS5005	Ball	100/80	161	102 106	R5557	S5556
125	32	Anti Static	AS5006	Ball	100/80	161	102 106	R5565	S5564
125	27	Poly Nylon	PU5555	Ball	100/80	161	102 106	R5587	S5586
150	32	Inst Rubber	IR6008	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

To order castor with Chrome Brake (BC), Red Brake (BR) or Green Directional Lock (D) add BC, BR or D to the end of the Swivel Code., EG S6688BR indicates red brake castor. Castors marked # are not available with Directional Locks. All brakes are Swivel, Lock & Brake.

# Bolt Hole 300 Series Castor 100-125mm

Capacity up to 200kg per castor

- With all the features of the plate type castor, the bolt castor has the ability to add various fittings including pre fitted threaded inserts, solid drilled metal pintles, expanding pintles or a single bolt
- Suitable applications include warehouse trolleys, mobile racks and display equipment

\*Also see page 79 for Solid and Threaded pintle options



Swivel  
S5214B

## 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
100	35	Reb Rubber	RR4077	Ball	150/110	130	90 125	12	S4214
100	35	Reb Poly	RP4072	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	35	Phenolic	PH474	Plain	200/150	130	90 125	12	S4230 * /
100	35	Phenolic	PH473	Plain	200/150	130	90 125	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	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

To order castor with Swivel Lock & Brake, add B to the end of the Swivel Code, eg S4214B indicates a brake castor. Castors marked \* are not available with a brakes. / Indicates castors suitable for high temperature applications.

**NEW**

# 300 Series Castors 100-125mm

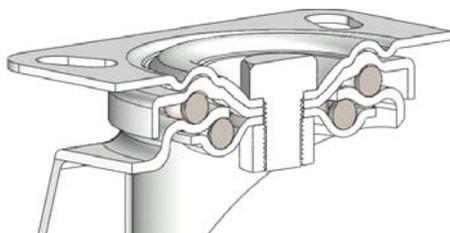
Capacity up to 300kg per castor



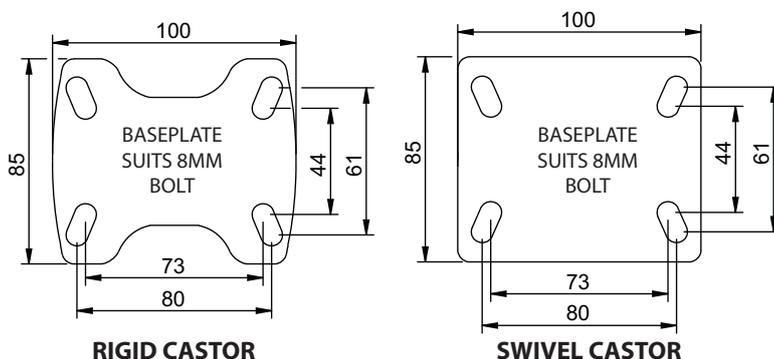
**Swivel  
S4044B**

- Sturdy pressed metal castor
- Medium duty castor that can be used on any style of mobile equipment
- Castor meets all dimensional and performance standards
- Higher load bearing capacity allows for use on a wider range of applications

## CROSS SECTION SWIVEL CASTOR



## BASEPLATE DIMENSIONS



## 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	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	125	R4061	S4060
100	35	Phenolic	PH474	Plain	200/150	130	90	-	R4067	S4066*
100	35	Phenolic	PH473	Plain	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
125	35	Reb Rubber	RR5077	Ball	200/150	157	112	125	R5043	S5042
125	35	Reb Poly	RP5072	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

To order castor with Swivel Lock & Brake, add B to the end of the Swivel Code, eg S4044B indicates a brake castor.

\* are not available with a brakes. / Indicates castors suitable for high temperature applications.

# 300 Series Castors 150-200mm

Capacity up to 300kg per castor

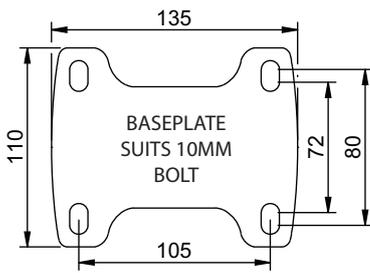
**NEW**

- Medium duty castor that can be used on any style of mobile equipment
- Castor meets all dimensional and performance standards
- Higher load bearing capacity allows for use on a wider range of applications

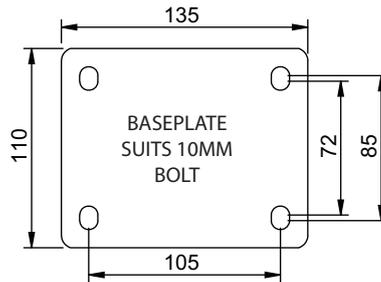


**Swivel  
S6042B**

## BASEPLATE DIMENSIONS

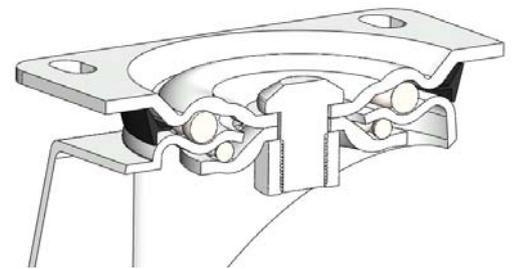


**RIGID CASTOR**



**SWIVEL CASTOR**

## CROSS SECTION SWIVEL CASTOR



## 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	45	Cast Iron	Ci611	Plain	300/225	187	127 NA	R6051	S6050 * 
200	45	Reb Rubber	RR8871	Ball	250/225	237	156 170	R8043	S8042
200	50	Rubber	RT8842	Roller	250/255	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

To order castor with Swivel Lock & Brake, add B to the end of the Swivel Code, eg S6042B indicates a brake castor. Castors marked \* are not available with brakes.  Indicates castors suitable for high temperature applications.

# Pneumatic Series Castors

Capacity up to 180kg per castor



**Swivel  
S8861**

- Thick welded steel frame
- Whether used over soft or hard ground, the pneumatic castor gives comfortable ride characteristics, protecting loads
- Ideal for outdoor use
- Precision rubber sealed bearings fitted to the pneumatic wheels increase water resistance and decrease rolling resistance

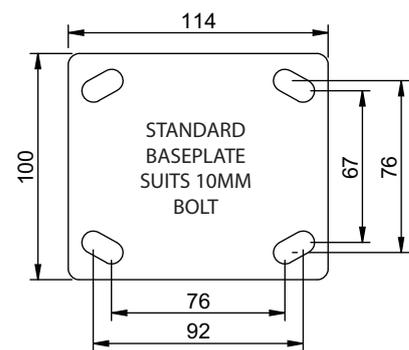
## Specifications & Fittings

 Diameter (mm)	 Width (mm)	 Wheel Type	 Wheel Code	 Bearing Type	 Load Capacity	 Height (mm)	 Swivel Radius	 Rigid Code	 Swivel Code
200	60	Pneumatic	PN8860	Ball	100	240	160	<b>R8862</b>	<b>S8861</b>
250	85	Pneumatic	PN1066	Ball	180	310	200	<b>R1068</b>	<b>S1067</b>

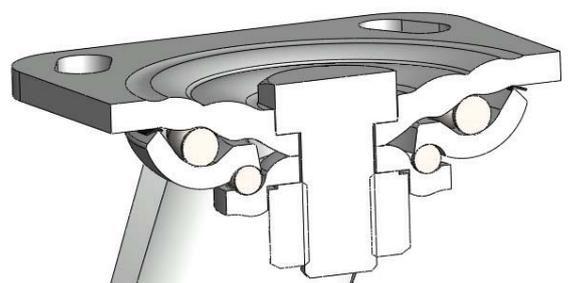


**Swivel  
S1067**

### BASEPLATE DIMENSIONS



### CROSS SECTION SWIVEL CASTOR



# Heavy Industrial Series Castors

Capacity up to 500kg per castor

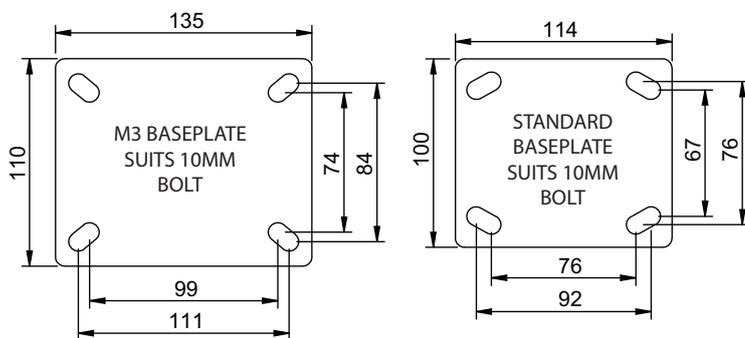
- The Heavy Industrial Castor has been developed to meet exacting demands by customers wanting castors capable of being transported long distances
- 6mm thick baseplate with welded forks provides strength and resistance to flexing
- Grease nipple maintains smooth operation of swivel
- Zinc plated finish for corrosion resistance
- Industry Leading Swivel Lock & Brake design

Mounting Baseplates Also Available

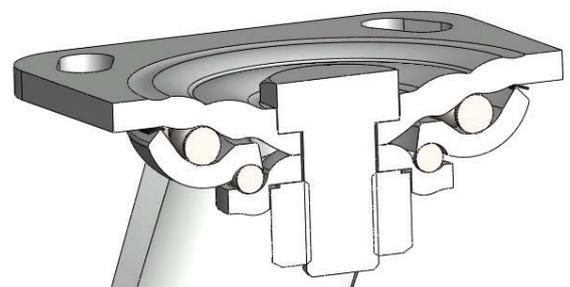


Swivel  
S4448SLB

## BASEPLATE DIMENSIONS



## CROSS SECTION HEAVY INDUSTRIAL CASTOR



## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity (kg)	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
100	35	Reb Rubber	RR4077	Ball	150/110	142	84	145	S4456
100	35	Reb Poly	RP4072	Roller	150/110	142	84	145	S4440
100	35	Poly Nylon	PU4408	Roller	250/200	142	84	145	S4437
100	38	Poly Ci	PU449	Ball	330/250	142	84	145	S4448
100	35	Nylon	NY401	Plain	300/200	142	84	145	S4433
100	35	Nylon	NY403	Roller	300/200	142	84	145	S4445
100	35	Nylon	NY413	Ball	300/200	142	84	145	S4435
100	35	GF Nylon	GF412	Plain	200/150	142	84	145	S4454
100	35	Phenolic	PH474	Plain	180/150	142	84	145	S4466 *
100	35	Phenolic	PH473	Teflon	180/150	142	84	145	S4396 *
100	38	Cast Iron	Ci421	Plain	300/225	142	84	145	S4450
100	38	Cast Iron	Ci400	Ball	400/300	142	84	145	S4452
100	36	Cast Iron	VG459	Ball	280/250	142	84	145	S4443 *
100	50	Cast Iron	VG461	Roller	280/250	142	84	145	S4496 *
125	35	Reb Rubber	RR5077	Ball	200/150	165	100	145	S5544
125	35	Reb Poly	RP5072	Roller	200/150	165	100	145	S5440
125	35	Poly Nylon	PU5508	Roller	250/200	165	100	145	S5542
125	38	Poly Ci	PU549	Ball	330/250	165	100	145	S5548
125	36	Nylon	NY501	Plain	330/250	165	100	145	S5533
125	36	Nylon	NY503	Roller	330/250	165	100	145	S5537
125	36	Nylon	NY513	Ball	330/250	165	100	145	S5535
125	38	Cast Iron	Ci532	Plain	380/280	165	100	145	S5550
150	45	Cast Iron	Ci611	Plain	500/380	190	124	160	S6650
150	45	Cast Iron	Ci601	Ball	500/380	190	124	160	S6652
200	45	Cast Iron	Ci842	Plain	500/380	241	156	160	S8853
200	45	Cast Iron	Ci841	Ball	500/380	241	156	160	S8855

Available with a standard baseplate or M3 (Metric) baseplate. To order castor with Wheel Brake & or Directional Lock add B or D to the end of the Swivel Code e.g. S5542BD indicates a brake castor with directional lock. To order castor with Swivel Lock & Brake (SLB) add SLB to the end of the Swivel Code e.g. S4448SLB indicates a swivel lock & brake castor.

Castors marked \* are not available with brakes. / Indicates castors suitable for high temperature application.

# Heavy Industrial Series Castors

Capacity up to 500kg per castor



- The Heavy Industrial Castor has been developed to meet exacting demands by customers wanting castors capable of being transported long distances by logistics companies
- 6mm thick baseplate with welded forks provides strength and resistance to flexing
- Grease nipple maintains smooth operation of swivel
- Zinc plated finish for corrosion resistance
- Industry Leading Swivel Lock & Brake design

**Swivel  
S6644SLB**

## 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	<b>R4431</b>	<b>S4432</b>
100	50	Poly Nylon	PU4409	Ball	250/200	142	84 160	<b>R4411</b>	<b>S4410</b>
100	50	Poly Ci	PU424	Roller	250/200	142	84 160	<b>R4401</b>	<b>S4400</b>
100	50	Poly Ci	PU425	Ball	500/380	142	84 160	<b>R4389</b>	<b>S4388</b>
100	50	Solid Poly	PS4479	Roller	350/300	142	84 160	<b>R4495</b>	<b>S4494</b>
125	50	Rubber	RT5547	Roller	180/130	165	100 160	<b>R5503</b>	<b>S5502</b>
125	50	Poly Nylon	PU5509	Ball	350/300	165	100 160	<b>R5511</b>	<b>S5510</b>
125	50	Poly Ci	PU524	Roller	350/300	165	100 160	<b>R5531</b>	<b>S5530</b>
125	50	Solid Poly	PS5579	Roller	350/300	165	100 160	<b>R5595</b>	<b>S5594</b>
150	45	Reb Rubber	RR6677	Ball	225/200	190	124 160	<b>R6631</b>	<b>S6632</b>
150	50	Rubber	RT6642	Roller	225/200	190	124 160	<b>R6641</b>	<b>S6640</b>
150	50	Rubber	RT6647	Roller	225/200	190	124 160	<b>R6603</b>	<b>S6602</b>
150	50	Reb Poly	RP6072	Roller	300/250	190	124 160	<b>R6441</b>	<b>S6440</b>
150	50	Poly Nylon	PU6071	Ball	400/300	190	124 160	<b>R6645</b>	<b>S6644</b>
150	55	Poly Ci	PU614	Roller	250/200	190	124 160	<b>R6656</b>	<b>S6655</b>
150	50	Poly Ci	PU649	Ball	500/380	190	124 160	<b>R6649</b>	<b>S6648</b>
150	50	Nylon	NY652	Plain	400/300	190	124 160	<b>R6634</b>	<b>S6633</b>
150	50	Nylon	NY613	Ball	400/300	190	124 160	<b>R6636</b>	<b>S6635</b>
150	50	Cast Iron	VG661	Roller	400/300	190	124 160	<b>R6697</b>	<b>S6696 *</b>
200	45	Reb Rubber	RR8871	Ball	250/225	241	156 160	<b>R8831</b>	<b>S8832</b>
200	34	Rubber	RN8875	Roller	200/150	241	156 160	<b>R8873</b>	<b>S8872</b>
200	50	Rubber	RT8842	Roller	250/225	241	156 160	<b>R8841</b>	<b>S8840</b>
200	50	Rubber	RT8847	Roller	250/225	241	156 160	<b>R8803</b>	<b>S8802</b>
200	50	Poly Nylon	PU8071	Ball	400/300	241	156 160	<b>R8850</b>	<b>S8849</b>
200	50	Poly Ci	PU849	Ball	500/380	241	156 160	<b>R8852</b>	<b>S8851</b>
200	45	Nylon	NY800	Plain	400/300	241	156 160	<b>R8844</b>	<b>S8843</b>
200	45	Nylon	NY830	Ball	400/300	241	156 160	<b>R8846</b>	<b>S8845</b>

Available with a standard baseplate or M3 (Metric) baseplate Add M3 to the end of the code. To order castor with Swivel Lock & Brake (SLB) or Directional Lock (D) add SLB or D to the end of the Swivel Code

e.g. S6644SLB indicates a swivel lock & brake castor. \*S6696 not available with brake

PLEASE NOTE BASE PLATE DIMENSIONS AND FRAME CROSS-SECTION ARE THE SAME AS PAGE 14.

# Heavy Duty Welded Series Castors

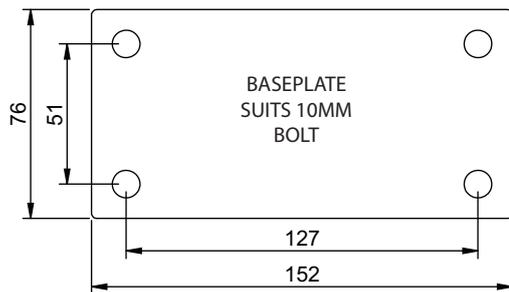
Capacity up to 400kg per castor

- Precision built for durability under extreme conditions, the heavy duty welded series is ideal for an industrial environment
- Features precision machined swivel ball race for ultra smooth swivel action
- King pins made of high tensile steel to withstand high side impact loads
- Zinc plated for corrosion resistance. Also available in stainless steel

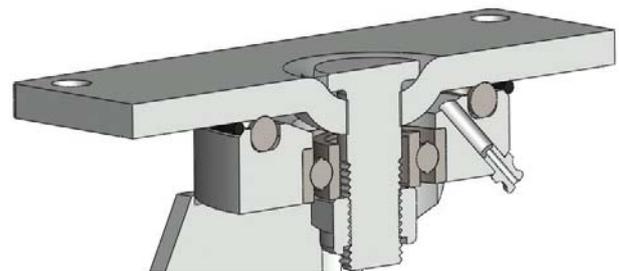


**HEAVY DUTY WELDED CASTOR FITTED WITH V-GROOVE WHEEL S465**

## BASEPLATE DIMENSIONS



## CROSS SECTION SWIVEL CASTOR



## 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	32	Nylon	NY3321	Plain	125/100	114	76	R321	S323
100	37	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	37	Cast Iron	Ci400	Ball	400/300	132	90	R440	S470
100	36	Cast Iron	VG459	Ball	280	132	90	R466	S465
125	37	Poly Ci	PU549	Ball	330/250	159	102	R548	S547
125	37	Nylon	NY501	SS Sleeve	330/250	159	102	R502	S506
125	37	Nylon	NY513	Ball	330/250	159	102	R515	S516
125	38	Cast Iron	Ci532	Plain	380/280	159	102	R534	S533

To order castor with Brake and/or 4 Way Directional Lock, add B and/or D to the end of Swivel Code e.g. S422B indicates a brake castor. / Indicates castors suitable for high temperature applications.

# Waste Bin Castors

Capacity up to 500kg per castor



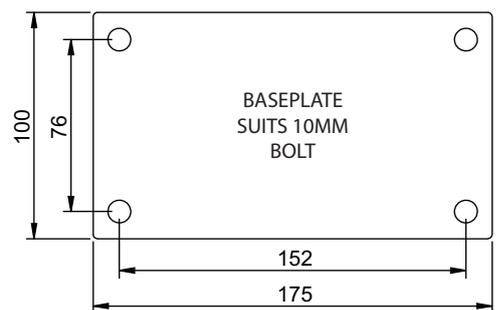
Swivel  
S6010SLB

- A heavier load bearing Castor than most with a load capacity up to 500kg
- High tensile steel king pin to help withstand any high impact loads
- Precision machined ball race
- Welded swivel lock and brake mechanism provides great strength. Now standard on all Waste Bin Castors, except for Cast Iron



Swivel  
S6012SLB

## BASEPLATE DIMENSIONS



## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
150	50	Rubber	RT6642	Roller	225/200	194	130	<b>R6761</b>	<b>S6760</b>
150	40	Poly Nylon	PU6071	Ball	400/300	194	130	<b>R6215</b>	<b>S6214</b>
150	50	Poly Ci	PU614	Roller	250/200	194	130	<b>R6013</b>	<b>S6012</b>
150	50	Cast Iron	SG608	Plain	500/400	194	130	<b>R6011</b>	<b>S6010</b>

To order castor with Wheel Brake add **B** to the end of Swivel Code e.g. **S6010B** indicates a wheel brake castor.

To order castor with a Swivel Lock and Brake add **SLB** to the end of the Swivel Code e.g. **S6010SLB**

 Indicates castors suitable for high temperature applications.

# 500 Series Castors

Capacity up to 500kg per castor

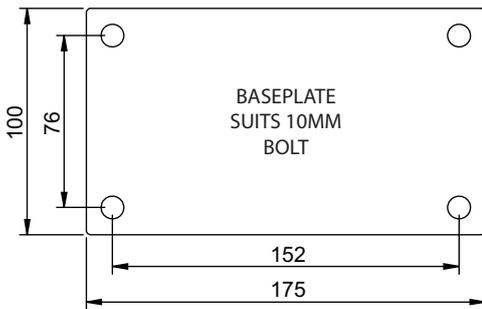
- The 500 Series are suitable for most heavy duty applications including low speed, medium weight towing for tyred models (6kph maximum speed)
- Featuring a precision machined swivel ball race with seal that ensures the swivel movement is kept clean and smooth
- The high tensile steel kingpin helps to withstand high impact side loads
- Now available with swivel lock and brake



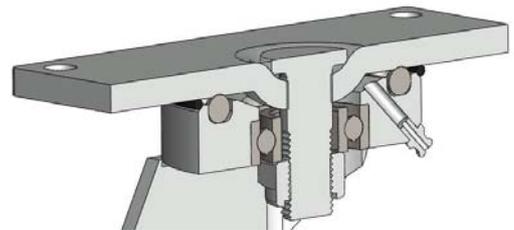
**Swivel  
S6760SLB**

**Also Available in  
Stainless Steel**

## BASEPLATE DIMENSIONS



## CROSS SECTION SWIVEL CASTOR



## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code
150	50	Rubber	RT6642	Roller	225/200	194	130	R6761	S6760
150	40	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	Ci611	Plain	500/380	194	130	R6711	S6710 !
150	45	Cast Iron	Ci601	Ball	500/380	194	130	R6241	S6240 !
150	38	Cast Iron	VG609	Ball	500/380	194	130	R6451	S6450 *
200	50	Rubber	RT8842	Roller	250/225	248	155	R8231	S8230
200	40	Poly Nylon	PU8071	Ball	400/300	248	155	R8215	S8214
200	45	Poly Ci	PU849	Ball	500/380	248	155	R8471	S8470
200	45	Nylon	NY800	SS Sleeve	400/300	248	155	R8281	S8280
200	45	Nylon	NY830	Ball	400/300	248	155	R8121	S8120
200	45	Cast Iron	Ci842	Plain	500/250	248	155	R8451	S8450 !
200	50	Cast Iron	Ci852	Ball	500/300	248	155	R8431	S8430 !
230	40	Cushion Rubber	CR9000	Ball	220/180	294	175	R9011	S9010
250	50	Cushion Rubber	CR1060	Ball	300/250	302	184	R1026	S1025

To order castor with SLB and/ or 4 Way Directional Lock, add SLB and/or D to the end of Swivel Code e.g. S8120SLB indicates a brake castor.  denotes towable castors. \*S6450 not available with brake. ! denotes castor available with wheel brake only.  Indicates castors for high temperature applications.

# 1000 Series Castors

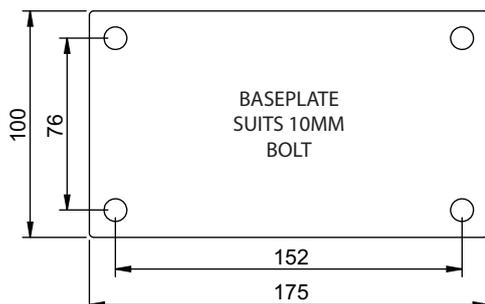
Capacity up to 1000kg per castor



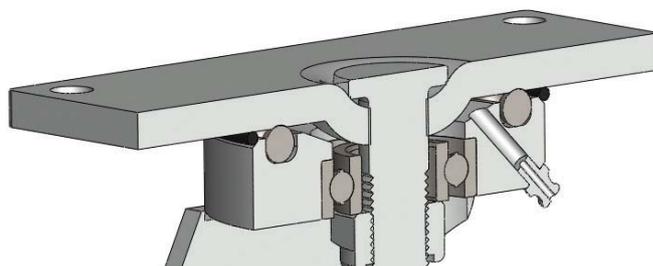
- Tyred models can be successfully towed at 6kph on smooth floors without obstructions
- 1000kg rating provides an economical alternative to heavier load bearing castors
- The precision machined swivel ball race with rubber seal ensures the swivel movement is kept clean and smooth
- High tensile steel kingpin to help withstand high side impact loads
- Now available with swivel lock and brake

**Swivel  
S6338SLB**

## BASEPLATE DIMENSIONS



## CROSS SECTION SWIVEL CASTOR



## 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	

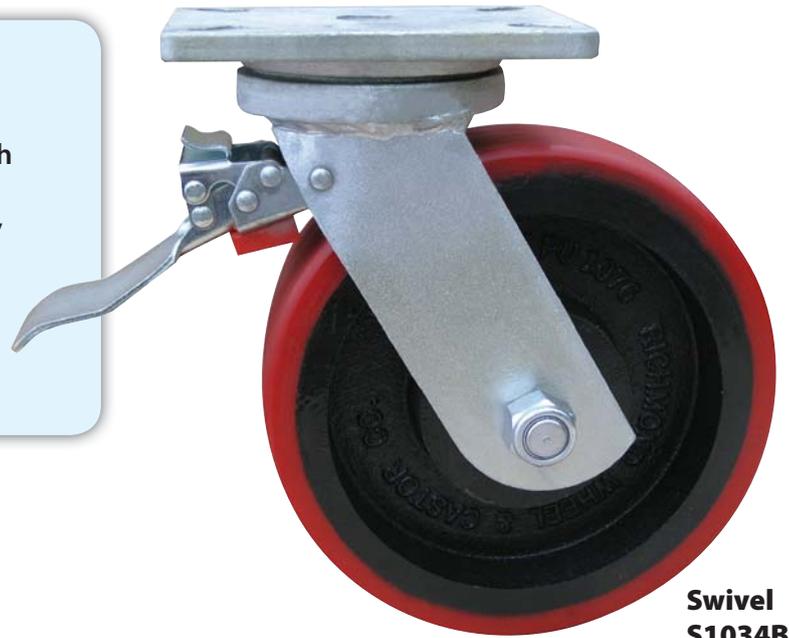
To order castor with Brake and/ or 4 Way Directional Lock, add **B** and/ or **D** to the end of Swivel Code e.g. **S6138B** indicates a brake castor.  denotes towable castors.

Also available with Swivel Lock and Brake add **SLB** to the end of the Swivel Code e.g. **S6138SLB**

# Forged Head Series

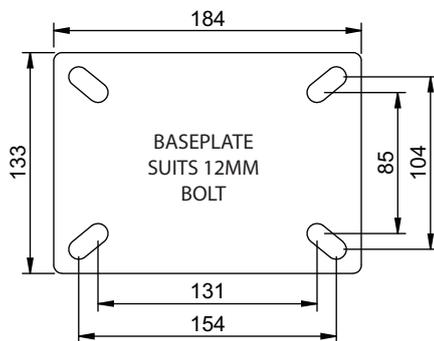
Capacity up to 1500kg per castor

- The forged head series castor is great when extreme shock loading is involved, robust durable king pin, drop forged steel baseplate completed with a corrosive resistant zinc finish
- Applications includes, Transportable/logistics, Heavy machinery, Warehousing equipment, mobile platforms etc
- A great all round castor for those heavy duty applications

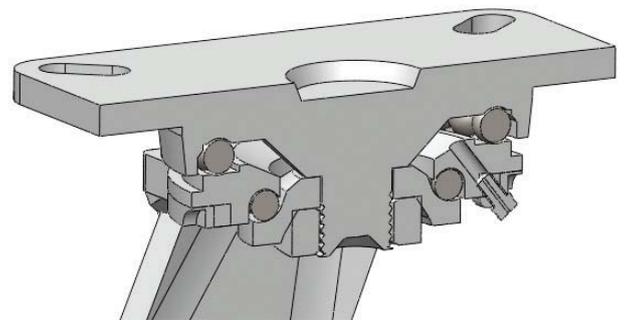


**Swivel  
S1034B**

## BASEPLATE DIMENSIONS



## CROSS SECTION SWIVEL CASTOR



## 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 

To order castor with Brake **B** or Directional Lock **D** add **B** or **D** to the end of the Swivel Code e.g. S8002B indicates a swivel brake castor. To order castor with Directional Lock add **D** to the end of Swivel Code e.g. S8002D indicates a brake castor.  denotes towable castors

# 2000 Series Castors

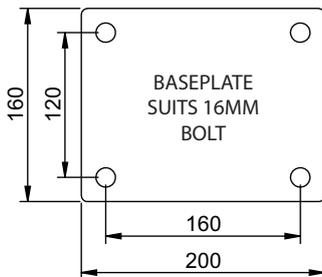
Capacity up to 2000kg per castor



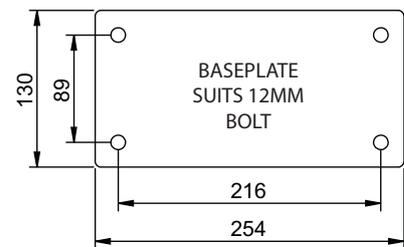
**Swivel  
S10902**

- This extra heavy duty range has been precisely designed and custom built to excel under the hardest circumstances
- Featuring a precision thrust race in 16mm steel baseplate and heavy duty tapered roller bearing, the 2000 Series gives excellent performance under heavy duty loads
- Low speed towing (12kph) on flat surfaces with no obstructions (for tyred models)

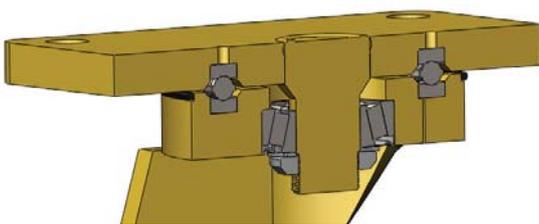
## STANDARD BASEPLATE DIMENSIONS



## OPTIONAL BASEPLATE DIMENSIONS



## CROSS SECTION 2000 SERIES SWIVEL CASTOR



## 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	PU823	Ball	2000/1700	260	165	R8905	S8904	
200	75	SG Iron	SG821	Ball	2000/1700	260	165	R8903	S8902	
250	75	Poly	PU1029	Ball	2000/1700	310	190	R10905	S10904	
250	75	SG Iron	SG1028	Ball	2000/1700	310	190	R10903	S10902	
300	75	Poly	PU1216	Ball	2000/1700	364	220	R12905	S12904	

To order castor with Brake and/ or 4 Way Directional Lock, add B and/or D to the end of Swivel Code e.g. S8904B indicates a brake castor.  denotes towable castors. Add OP to end of castor code to specify Optional Baseplate e.g. S8904OP

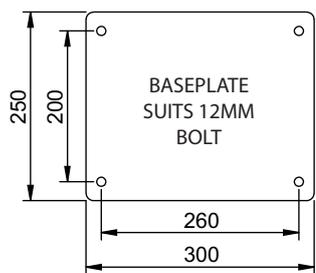
# High Performance Series Castors

Capacity up to 1500kg per castor

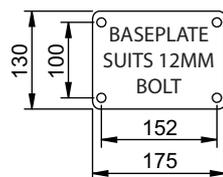
- When performance and endurance are key concerns, the High Performance castor is world class
- With a large opposed taper roller bearing in the swivel head, the castor can be power towed at up to 12kph over flat surfaces without obstructions
- The steel passivated zinc plated frame is robot welded and the fully sealed greasable swivel head makes an easily maintainable and smooth running swivel
- Custom designed and manufactured in-house to specification



## BASEPLATE DIMENSIONS

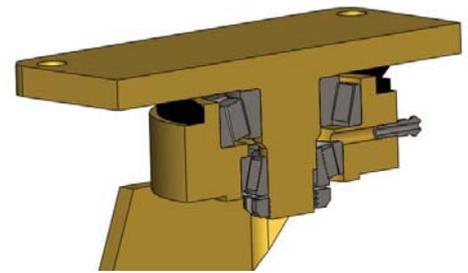


STANDARD TWIN WHEEL RIGID BASE PLATE



STANDARD HP BASE PLATE

## CROSS SECTION SWIVEL CASTOR



FITTED WITH LARGE DIAMETER OPPOSED TAPER ROLL BEARING SWIVEL HEAD

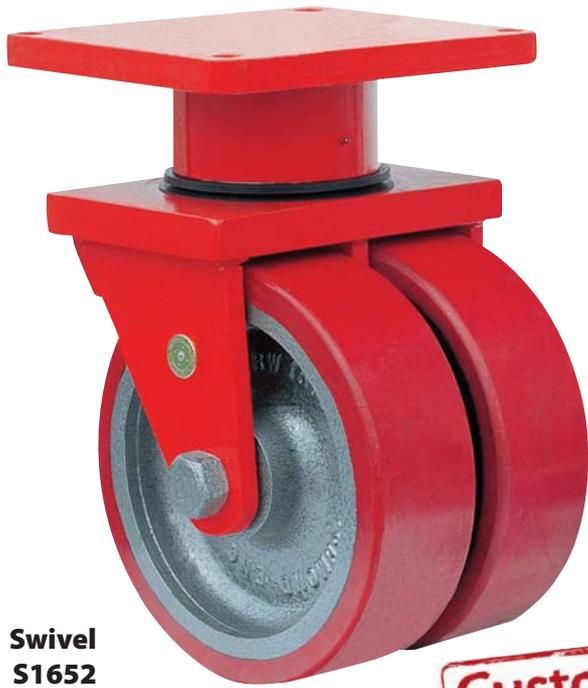
## Specifications & Fittings

 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	

To order castor with Brake and/ or 4 Way Directional Lock, add B and/or D to the end of Swivel Code e.g. S633B indicates a brake castor.  denotes towable castors.

# Extra High Performance Series Castors

Capacity up to 10,000kg per castor

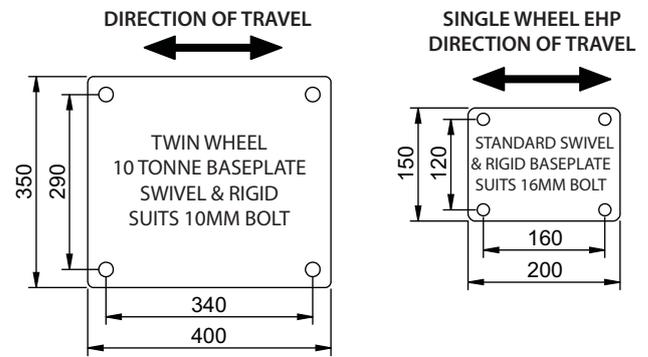


Swivel  
S1652

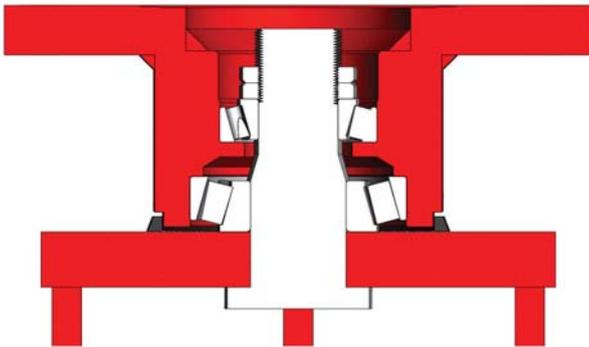
**Custom Design**

- In a class of it's own, the EHP performs in the toughest circumstances
- Featuring a large opposed taper roller bearing swivel head that is fully sealed and strong robot welded construction, the EHP will live a long life without breakdowns
- The fitted swivel head allows the castor to be towed at speeds of up to 16kph on flat surfaces with no obstacles. This makes it ideal for work in heavy duty applications
- Custom designed and manufactured in-house

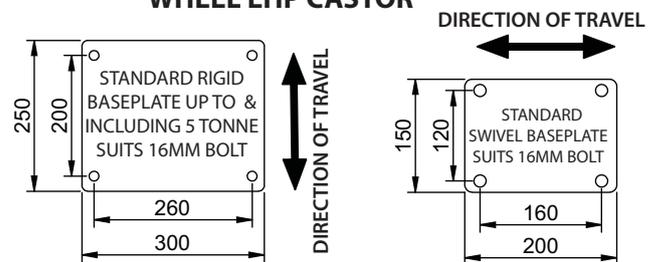
## SINGLE WHEEL AND TWIN SWIVEL BASEPLATE



## CROSS SECTION EHP SWIVEL CASTOR



## BASEPLATE DIMENSIONS STANDARD TWIN WHEEL EHP CASTOR



## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius	Rigid Code	Swivel Code	
200	75	Steel	SG836	Taper	5000/3750	320	172	R865	S866	☺
250	50 x2	TW Poly Ci	PU1061 x2	Taper	2000/1500	370	210	R1062	S1063	☺
250	75 x2	TW Poly Ci	PU1076 x2	Taper	2000/1500	370	210	R1064	S1065	☺
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	50 x 2	TW Poly Ci	PU1218 x2	Taper	2500/1875	420	240	R1236	S1237	☺
300	100	Poly Ci	PU1203	Taper	5000/3750	420	240	R1223	S1224	☺
300	100 x 2	TW Poly Ci	PU1203 x2	Taper	3000/2250	420	240	R1240	S1241	☺
350	100 x 2	TW Poly Ci	PU1408 x2	Taper	3000/2250	470	290	R1409	S1410	☺
400	125	Poly Ci	PU1606	Taper	5000/3750	520	295	R1607	S1608	☺
400	125 x 2	TW Poly Ci	PU1606 x2	Taper	10000/7500	610	318	R1653	S1652	☺

To order castor with Brake and/ or 4 Way Directional Lock, add B and/ or D to the end of Swivel Code e.g. S886B indicates a brake castor. ☺ denotes towable castors.

# Towmaster Castor

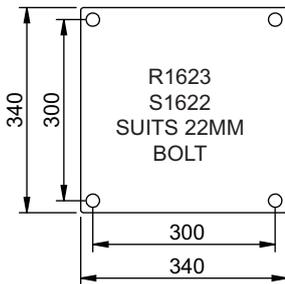
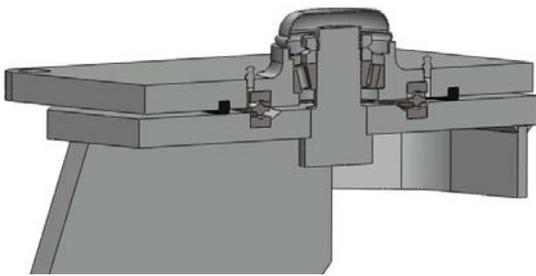
Capacity up to 2250kg per castor

- At the forefront of castor design, the Towmaster was conceived, designed and manufactured in-house. Made for high speed trolleys, it can be found in use in container handling areas, wharves, airports and manufacturing plants
- The Towmaster can be customised to suit specifications allowing for changes in load capacities and tow speeds
- PLEASE PHONE TECHNICAL STAFF FOR MORE INFORMATION

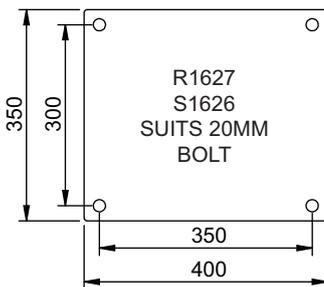


Swivel  
S1622

## CROSS SECTION SWIVEL CASTOR



N.B. BASEPLATES CAN BE CUSTOMIZED TO YOUR REQUIREMENTS



**Custom Design**



## 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 Cushion Rubber	CR1614 x 2	Ball	2250	460	322	R1627	S1626	
406	125 x 2	TW Solid Pneumatic	SN1615 x 2	Ball	2250	460	322	R1623	S1622	

To order castor with Brake and/ or 4 Way Directional Lock, add B and/or D to the end of Swivel Code e.g. S1622B indicates a brake castor.  denotes towable castors.

# Cargo Series Castor

Capacity up to 200kg per castor



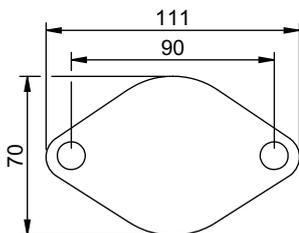
- Maintenance free precision ball bearing for low rolling and swivelling effort
- Robust pressed steel fork with anti-corrosion coating and integrated plastic sealing

Swivel S2446

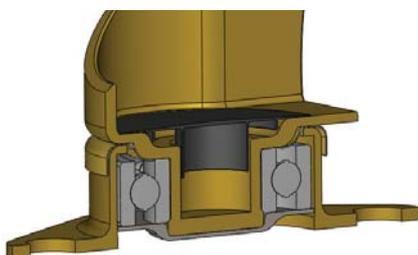
## Specifications & Fittings

 Diameter (mm)	 Width (mm)	 Wheel Type	 Wheel Code	 Bearing Type	 Load Capacity	 Height (mm)	 Swivel Code
58	35	Nylon	NO CODE	Ball	200	96	<b>S2334</b>
70	35	Nylon	NO CODE	Ball	200	102	<b>S2446</b>

### BASEPLATE DIMENSIONS



### CROSS SECTION SWIVEL CASTOR



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

# Stainless Steel Medical Elite Bolt Series

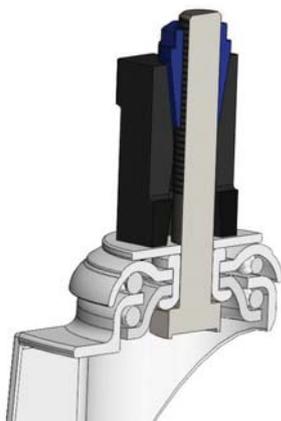
Capacity up to 100kg per castor

- Stainless Steel (Grade 304) castors are used in areas where hygiene and health are important
- Features Stainless Steel double ball race swivel head contributing to a long maintenance free life
- Attractive Stainless Steel thread guards (100mm & 125mm) or plastic thread guards (75mm)
- Total Brake colour is red, Directional Lock colour is green



**Bolt Hole  
S5578B**

**MEDICAL STANDARD  
POLISHED STAINLESS  
STEEL FINISH**



**Cross Section Bolt Type Castor  
inserted in tube with expanding  
pintle part**

## Pintle Parts To Suit the Stainless Steel Medical Elite Castor

Pintle	Pintle Code	Pintle Type
	SSP12-P1	For 19mm ID Round Tube
	SSP12-P2	For 22mm ID Round Tube
	SSP12-P3	For 28.5mm ID Round Tube
	SSP12-P4	For 19mm ID Square Tube
	SSP12-P5	For 22mm ID Square Tube
	SSP12-P6	For 28.5mm ID Square Tube
	<b>Single Bolt Fitting</b> Various bolt lengths available	

\*Also see page 79 for Solid and Threaded pintle options

## 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	IR3009	Ball	80/45	105	70 105	12	S3378 #
75	30	Poly Nylon	PU3345	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	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	Ball	100/80	159	102 106	12	S5578
125	30	Nylon	NY5517	Plain	100/80	159	102 106	12	S5590

To order castor with Swivel Lock & Brake (B) or Directional Lock (D) add B or D to the end of the Swivel Code e.g. S5578B indicates a brake castor. Castors marked # are not available with directional locks.

# Stainless Steel Medical Elite Plate Series

Capacity up to 100kg per castor

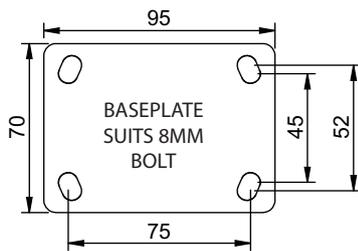


**Swivel  
S5576B**

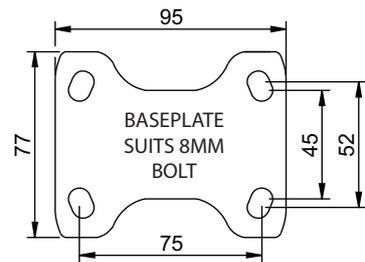
- Stainless Steel (Grade 304) castors are used in areas where hygiene and health are important
- Features Stainless Steel double ball race swivel head contributing to a long maintenance free life
- Attractive Stainless Steel thread guards (100mm & 125mm) or plastic thread guards (75mm)
- Total Brake colour is red, Directional Lock colour is green

**MEDICAL STANDARD  
POLISHED STAINLESS  
STEEL FINISH**

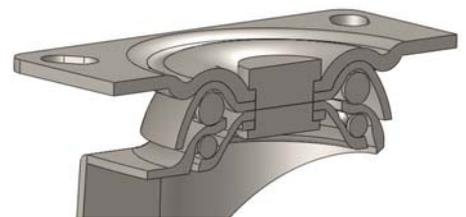
## BASEPLATE DIMENSIONS SWIVEL CASTOR



## BASEPLATE DIMENSIONS RIGID CASTOR



## CROSS SECTION SWIVEL CASTOR



## 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	30	Inst Rubber	IR3009	Ball	80/45	107	70 105	<b>R3377</b>	<b>S3376 #</b>
75	30	Poly Nylon	PU3345	Ball	80/45	107	70 105	<b>R3383</b>	<b>S3382 #</b>
75	30	Nylon	NY3321	Plain	80/45	107	70 105	<b>R3389</b>	<b>S3388 #</b>
100	27	Poly Nylon	PU4439	Ball	100/80	135	90 106	<b>R4477</b>	<b>S4476</b>
100	30	Nylon	NY4417	Plain	100/80	135	90 106	<b>R4489</b>	<b>S4488</b>
125	27	Poly Nylon	PU5539	Ball	100/80	161	102 106	<b>R5577</b>	<b>S5576</b>
125	30	Nylon	NY5517	Plain	100/80	161	102 106	<b>R5589</b>	<b>S5588</b>

To order castor with Swivel Lock & Brake (B) or Directional Lock (D) add B or D to the end of the Swivel Code e.g. S4476B indicates a brake castor. Castors marked # are not available with directional locks.

# Stainless Steel Excel Bolt Hole Series

Capacity up to 200kg per castor

- Heavy duty pressed stainless steel frame with quality stainless finish
- Ideal for use in wet areas or where frequent wash downs are necessary, such as in the food or health industries
- With all the features of the plate type castor, the bolt castor has the ability to add various fittings including pre fitted threaded inserts, solid drilled metal pintles, expanding pintles or a single bolt
- Suitable applications include warehouse trolleys, mobile racks and display equipment

**NEW**

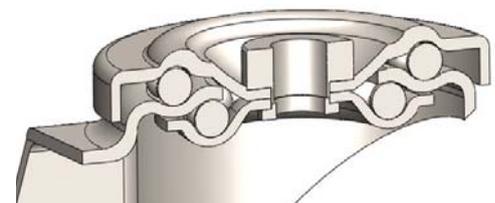


**Bolt Hole S5148B**

Pintle Parts To Suit the 300 Series Bolt Castor		
Pintle	Pintle Code	Pintle Type
	EXB12-P1	For 19mm ID Round Tube
	EXB12-P2	For 22mm ID Round Tube
	EXB12-P3	For 28.5mm ID Round Tube
	EXB12-P4	For 19mm ID Square Tube
	EXB12-P5	For 22mm ID Square Tube
	EXB12-P6	For 28.5mm ID Square Tube
	<b>Single Bolt Fitting</b> Various bolt lengths available	

\*Also see page 79 for Solid and Threaded pintle options

**CROSS SECTION SWIVEL CASTOR**



## 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
100	35	Reb Poly	RP4072	Roller	150/110	130	90 125	12	<b>S4148</b>
100	35	GF Nylon	GF412	Plain	200/150	130	90 125	12	<b>S4136</b> /
100	35	Nylon	NY401	Plain	200/110	130	90 125	12	<b>S4146</b>
125	35	Reb Poly	RP5072	Roller	200/150	157	112 125	12	<b>S5148</b>
125	35	Nylon	NY501	Plain	200/150	157	112 125	12	<b>S5146</b>
150	50	Reb Poly	RP6074	Roller	200/150	183	127 127	12	<b>S6148</b>
150	45	Nylon	NY653	Plain	200/150	183	127 127	12	<b>S6146</b>

To order castor with Swivel Lock & Brake, add B to the end of the Swivel Code, eg S4146B indicates a brake castor.

/ Indicates castor suitable for high temperature application.

# Stainless Steel Excel Plate Series

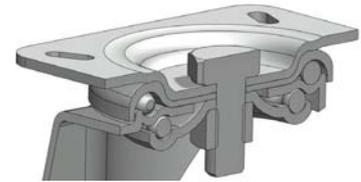
Capacity up to 380kg per castor



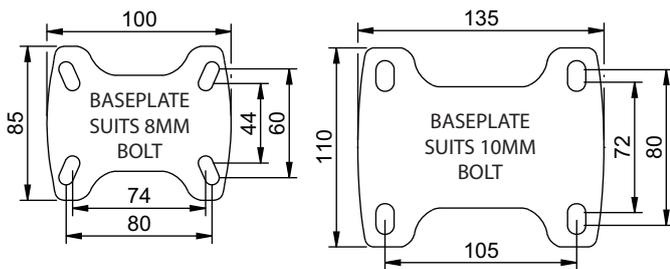
**Swivel  
S5144B**

- Heavy duty pressed stainless steel frame with quality stainless finish
- Swivel Lock and Brake for total brake performance
- Transportable (when assembled with Rebound Polyurethane Wheel)
- Ideal for use in wet areas or where frequent wash downs are necessary, such as in the food or health industries

**CROSS SECTION SWIVEL CASTOR**



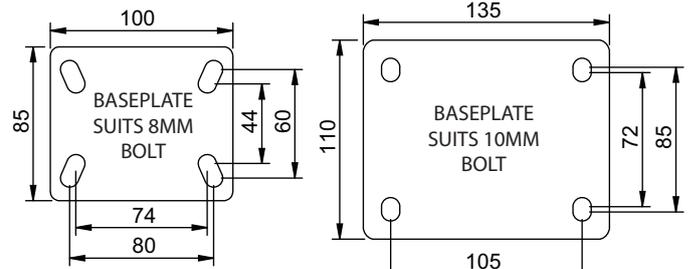
**BASEPLATE DIMENSIONS RIGID CASTOR  
M2 BASEPLATE M3 BASEPLATE**



100MM, 125MM & 150MM

150MM - 200MM

**BASEPLATE DIMENSIONS SWIVEL CASTOR  
M2 BASEPLATE M3 BASEPLATE**



100MM, 125MM & 150MM

150MM - 200MM

## 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	Roller	140/100	133	92 115	<b>R4145</b>	<b>S4144</b>
100	35	Nylon	NY401	Plain	200/150	133	92 115	<b>R4143</b>	<b>S4142</b>
100	35	Phenolic	PH473	Plain	180/150	133	92 -	<b>R4115</b>	<b>S4114 *</b>
100	35	GF Nylon	GF412	Plain	200/150	133	92 115	<b>R4139</b>	<b>S4138</b>
125	35	Reb Poly	RP5072	Roller	180/150	158	158 120	<b>R5145</b>	<b>S5144</b>
125	35	Nylon	NY501	Plain	200/150	158	158 120	<b>R5143</b>	<b>S5142</b>
150	40	Reb Poly	RP6074	Roller	300/250	183	127 127	<b>R6137</b>	<b>S6136</b>
150	40	Reb Poly	RP6072	Roller	300/250	187	127 160	<b>R6145</b>	<b>S6144</b>
150	45	Nylon	NY653	Plain	300/250	187	127 127	<b>R6139</b>	<b>S6138</b>
150	48	Nylon	NY652	Plain	300/250	187	127 160	<b>R6143</b>	<b>S6142</b>
150	45	Nylon	NY655	Roller	300/250	187	127 160	<b>R6141</b>	<b>S6140</b>
200	50	Reb Poly	RP8072	Roller	300/250	237	156 170	<b>R8145</b>	<b>S8144</b>
200	45	Nylon	NY800	Plain	380/350	237	156 170	<b>R8143</b>	<b>S8142</b>
200	50	Nylon	NY802	Roller	380/350	237	156 170	<b>R8141</b>	<b>S8140</b>

To order castor with Swivel Lock & Brake (B), add B to the end of the Swivel Code e.g. S5144B indicates a brake castor.

\*S4114 not available with brake. / Indicates castor suitable for high temperature application.

Part numbers denoted in Red indicate M2 Baseplate. Part numbers denoted in Black indicate M3 Baseplate.

# Shower Castors

Capacity up to 100kg per castor

- Specifically designed to suit commode or shower chairs in hospitals and nursing homes
- Black powder-coated finish on fork and brake pedal
- Stainless steel brake spring, ball race, axle and rivet
- Polyurethane nylon wheel with stainless steel bearing



**Bolt Hole  
S5592B**

## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius with brake	Bolt Size	Swivel Code
125	25	Poly Nylon	-	SS Ball	100/80	158	102 106	12	S5592

To order castor with Swivel Lock & Brake (B), add B to the end of the Swivel Code e.g. S5592B indicates a brake castor.

**Pintle fittings are available in both round, square, threaded stem and solid.  
Please refer to page 79 for pintle options or call 1300 4 RICHMOND for special requests**

# Duraplas Castors

Capacity up to 100kg per castor

- Fork manufactured in glass fibre-reinforced nylon making it resistant to bending & impact
- Water resistant rubber sealed precision ball bearings are used in the raceway
- Fast & noiseless movement without any effort
- Fits standard square and round tubes



**Bolt Hole  
S5904B**

## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius with brake	Bolt Size	Swivel Code
125	32	Grey Rubber	-	Ball	100/90	165	110 121	10	S5904

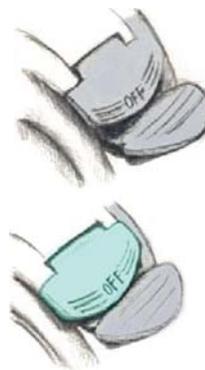
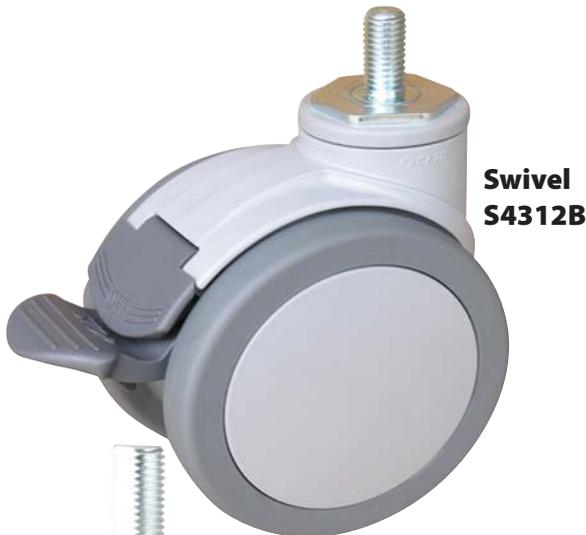
To order castor with Swivel Lock & Brake (B), add B to the end of the Swivel Code e.g. S5904B indicates a brake castor.

**Pintle fittings are available in both round, square, threaded stem and solid.  
Please refer to page 79 for pintle options or call 1300 4 RICHMOND for special requests**

# Medi Twin Series

Capacity up to 110kg per castor

- Modern design Medical Castor
- Non marking, with quiet and smooth operation
- Stylish looking polyamide hub with polyurethane tyre
- Precision ball bearings

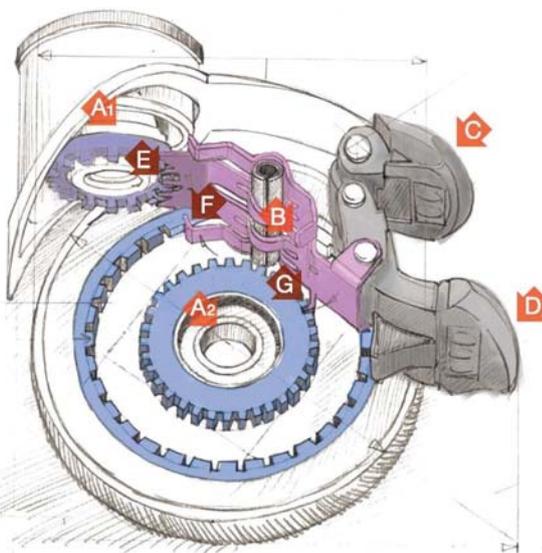


### TOTAL LOCKING

Lock swivel head and two wheels at stationery  
Unlock for free movement

### DIRECTIONAL LOCK

Swivel head lock for straight line tracking  
Unlock for free movement



- A1-2:** Precision ball bearings at swivel head & wheel axis
- B:** Stainless steel brake petal
- C:** Release Pedal
- D:** Brake pedal
- E:** Swivel Lock
- F:** External wheel lock
- G:** Internal wheel lock

## Specifications & Fittings

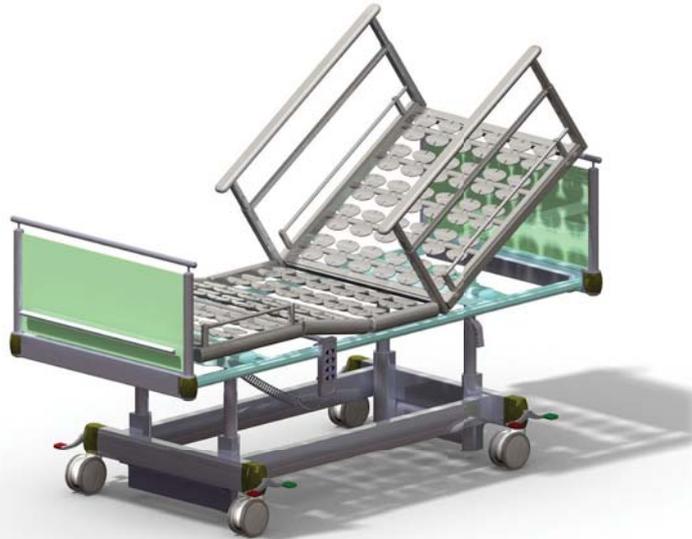
Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm)	Swivel Radius with brake	Swivel Code
100	2 x 16	Polyurethane	-	Ball	80/60	123	80 120	<b>S4312</b>
125	2 x 18	Polyurethane	-	Ball	110/80	148	102 148	<b>S5312</b>

To order castor with Swivel Lock & Brake (B), add B to the end of the Swivel Code e.g. S4312B indicates a brake castor. To order castor with Directional lock (D) add D to the end of the Swivel e.g. S4312D

**THREAD SIZE S4312 = M12 x 25mm LONG**

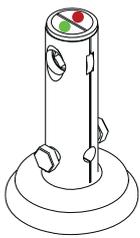
**THREAD SIZE S5312 = M12 x 25mm LONG**

# Central Locking Castor Information



## COLOUR CODED IDENTIFICATION

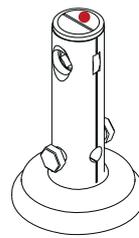
Colour identification is used to easily identify different combinations of the locking mechanism



### GREEN & RED

#### Total Lock/Free/Dir. Lock

Step on the pedal marked Red to lock swivel movement and wheel rotation, step on the opposite side of pedal marked Green to lock swivel rotation still allowing wheel to move, Trolley/Bed can now be steered more easily.

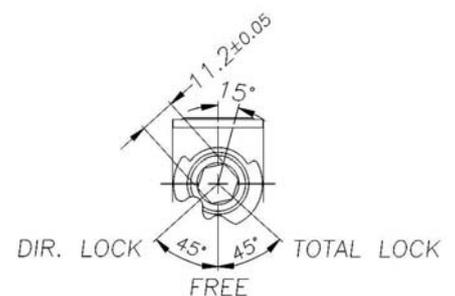
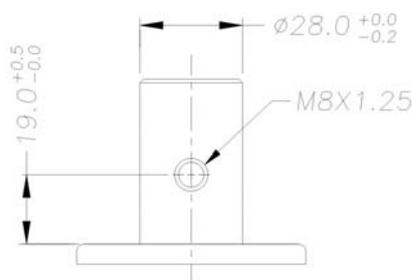
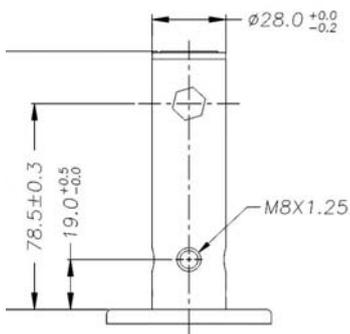


### RED

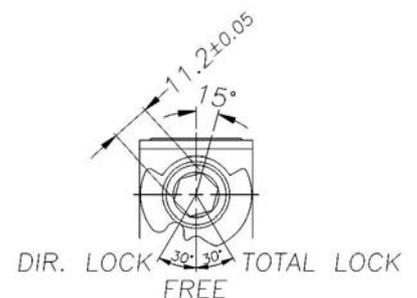
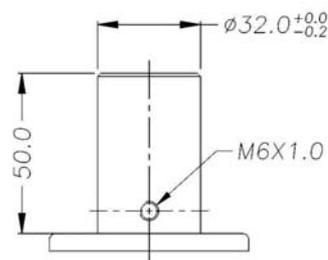
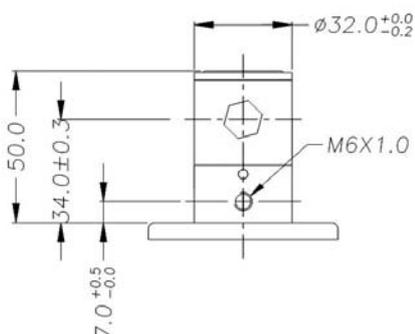
#### Total Lock/Free

Step on the pedal marked Red to lock swivel movement & wheel rotation. Step on opposite side of pedal to release and allow castor to have free movement.

## STEM FITTINGS STANDARD



## STEM FITTINGS OPTIONAL



# Central Locking Medical Series

Capacity up to 120kg per castor



**Swivel  
S8293B**



**Optional Powder Coated  
Swivel S5294B**

- Pressed steel yoke with precision ball bearing swivel head
- Attractive Chrome finish
- Smooth running with positive brake performance
- Also available in Stainless Steel or Powder Coated Finish

## Specifications & Fittings

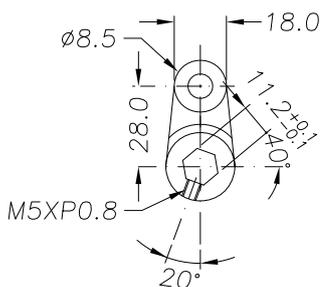
 Diameter (mm)	 Width (mm)	 Wheel Type	 Wheel Code	 Bearing Type	 Load Capacity	 Height (mm)	 Swivel Radius	 Swivel Code
100	32	Grey Rubber	-	Ball	100/90	142	80	<b>S4293</b>
125	32	Grey Rubber	-	Ball	100/90	164	102	<b>S5293</b>
150	32	Grey Rubber	-	Ball	120/100	192	125	<b>S6293</b>
200	32	Grey Rubber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

To order castor with Total Lock & Brake (B), or Directional Lock, (D) add B or D to the end of the Swivel Code e.g. S4293B indicates a brake castor.

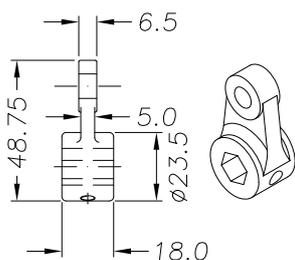
## Central Locking Accessories



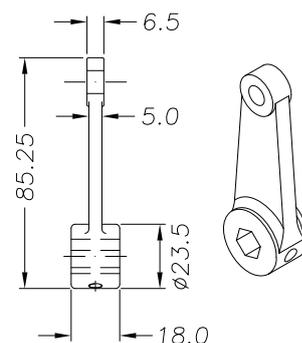
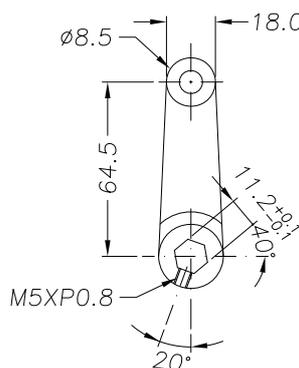
**PEDAL/WHT**



**TRANLEVER**



**TRANLEVER1**



# ABS Central Locking Series

Capacity up to 120kg per castor

- Pressed steel yoke with precision ball bearing swivel head
- Stylish ABS Cover with Zinc Chromatized plating
- Quiet and smooth running with positive brake performance
- Suitable for patient beds requiring one point locking of castors



Swivel  
S5295

## Specifications & Fittings

 Diameter (mm)	 Width (mm)	 Wheel Type	 Wheel Code	 Bearing Type	 Load Capacity	 Height (mm)	 Swivel Radius	 Swivel Code
125	32	Grey Rubber	-	Ball	100/90	165	102	S5295
150	32	Grey Rubber	-	Ball	120/100	189	115	S6295
200	32	Grey Rubber	-	Ball	120/100	237	152	S8295

To order castor with Total Lock & Brake (B), or Directional Lock,(D) add B or D to the end of the Swivel Code e.g. S5295B indicates a brake castor.

# ABS Central Locking Twin Wheel Series

Capacity up to 150kg per castor

- Pressed steel yoke with precision ball bearing swivel head
- Stylish ABS Cover with Zinc Chromatized plating
- Quiet and smooth running with positive brake performance
- Suitable for patient beds requiring one point locking of castors



Swivel  
S6296B

## Specifications & Fittings

 Diameter (mm)	 Width (mm)	 Wheel Type	 Wheel Code	 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	189	115	S6296

To order castor with Total Lock & Brake (B), or Directional Lock,(D) add B or D to the end of the Swivel Code e.g. S5295B indicates a brake castor.

# Refrigeration Castors

Capacity up to 80kg per castor

S3298



**NEW**

- Suitable for all catering refrigeration units, merchandisers, food servery's and preparation counters
- Compatible as a replacement product to all major brands

## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity (kg)	Height (mm)	Swivel Radius with brake	Thread Size (mm)	Swivel Code
75	30	Nylon	NO CODE	Plain	80/60	100	62 65	3/4" BSW	S3298

To order castor with wheel Brake, add B to the end of the Swivel Code, eg S3298B indicates a brake castor.



S3300

## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity (kg)	Height (mm)	Swivel Radius with brake	Thread Size (mm)	Swivel Code
75	30	Nylon	NO CODE	Plain	80/60	107	71 105	3/4" BSW	S3300

To order castor with Swivel Lock & Brake, add B to the end of the Swivel Code, eg S3300B indicates a brake castor.



S3296B

## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity (kg)	Height (mm)	Swivel Radius with brake	Rigid Code	Swivel Code
75	30	Nylon	NO CODE	Plain	80/60	90	62 65	R3297	S3296

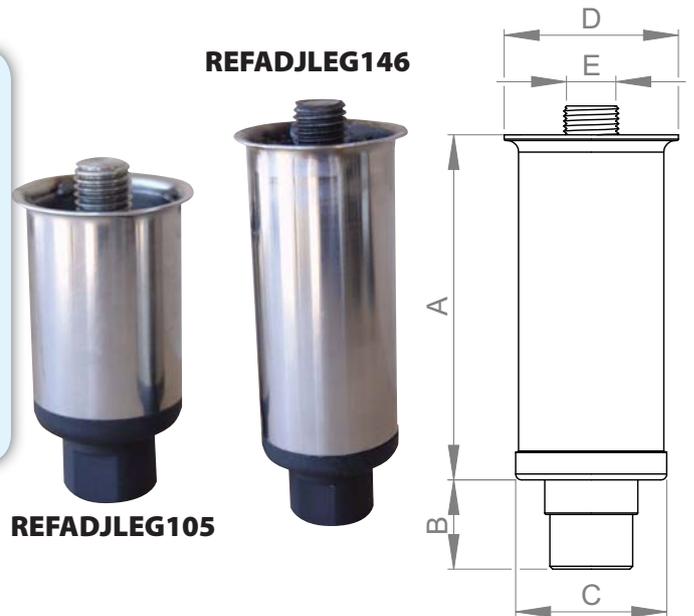
To order castor with wheel Brake, add B to the end of the Swivel Code, eg S3296B indicates a brake castor.

# Adjustable Stainless Steel Catering Legs

Legs are designed for easy installation when incorporated with the matching threaded baseplate.

Leg allows for easy access to clean under units, as well as making sure unit is level.

Interchangeable with all leading manufacturers of catering equipment, fitted with exiting legs



**NEW**

## Specifications & Fittings

Height (A)	Adjustment Height (B)	Tube Diameter (C)	Flange (D)	Thread (E)	Load (kg)	Code
80	25-50mm	50	60	3/4 BSW	400	REFADJLEG105
120	25-55mm	50	60	3/4 BSW	400	REFADJLEG146

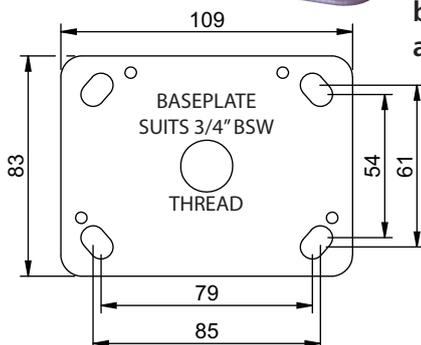
# Threaded Base Plates

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.

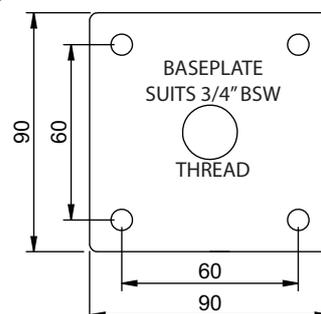
**NEW**



**REFPLT10983**  
Compatible with SKOPE brand display fridge units and bein maries



**REFPLT09090**  
Compatible with all major manufacturers of display fridges, preparation benches, bein maries, display cabinets etc



# Spring Loaded Gate Castors

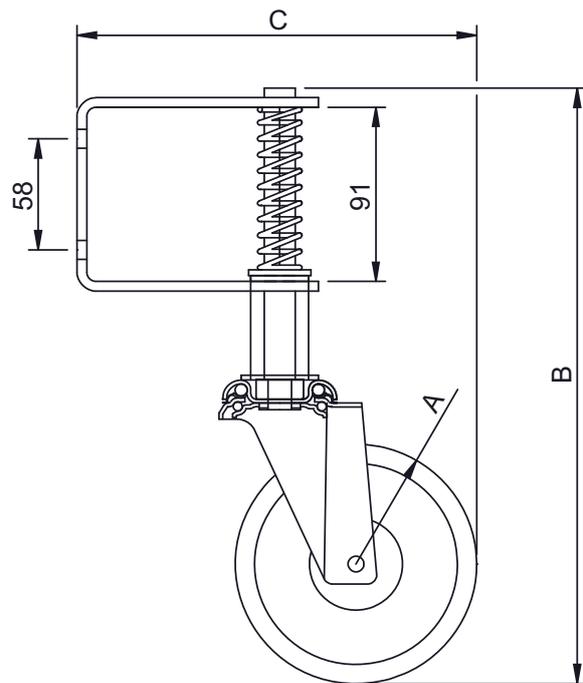
Capacity up to 20kg per castor



**Swivel  
S4022**

- Spring Loaded Gate Castors are designed to make opening and closing Residential timber and steel gates easier
- Spring loaded design provides shock absorption specifically for use on uneven surfaces
- Gate mount integrated into frame of castor

\*Also see page 61 for Gate Track Wheels



## Specifications & Fittings



Diameter (mm) (A)



Width (mm)



Wheel Type



Wheel Code



Bearing Type



Load Capacity



Height (mm) (B)



Swivel Radius (C)



Swivel Code

Diameter (mm) (A)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Height (mm) (B)	Swivel Radius (C)	Swivel Code
75	30	Reb Rubber	RR3348	Ball	20	259	175	<b>S3022</b>
75	30	Polypropylene	PP3341	Plain	20	259	175	<b>S3024</b>
100	30	Reb Rubber	RR4473	Ball	20	285	190	<b>S4022</b>
100	30	Polypropylene	PP4416	Plain	20	285	190	<b>S4024</b>
125	30	Reb Rubber	RR5573	Ball	20	311	205	<b>S5022</b>
125	30	Polypropylene	PP5516	Plain	20	311	205	<b>S5024</b>

# Tube Type Scaffold Castors

Capacity up to 700kg per castor

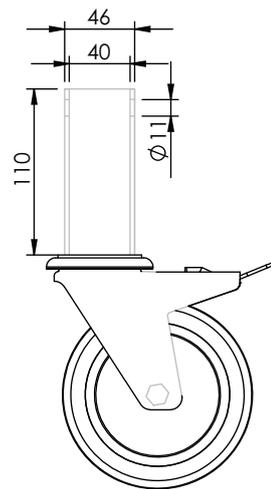
**NEW**

- Designed specifically for scaffolding work
- Colour coded brake pedals to easily identify on/off operation
- An advanced design, eliminating the kingpin, the scaffold castor features a zinc passivated steel frame that ensures rigidity and a long working life



**Swivel  
S883B**

**TESTED & APPROVED  
To AS 1576.2 1991  
Appendix H**



**Swivel  
S551B**

## Specifications & Fittings



Diameter (mm)



Width (mm)



Wheel Type



Wheel Code



Bearing Type



Load Capacity



Swivel Code

### Tube Type to Suit 48MM ID Tube

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Swivel Code
125	36	Reb Rubber	No Code	Roller	150	S551B
Tube Type to Suit 50MM OD Tube						
200	50	Poly Nylon	No Code	Roller	700	S883B

125	36	Reb Rubber	No Code	Roller	150	S551B
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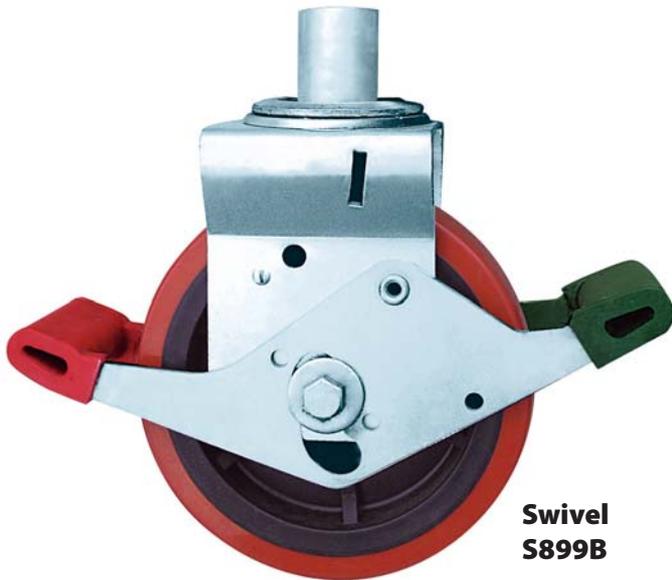
### Tube Type to Suit 50MM OD Tube

200	50	Poly Nylon	No Code	Roller	700	S883B
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We can supply with many other socket and pin sizes.

# Scaffold Castors

Capacity up to 700kg per castor



**Swivel  
S899B**

- Designed specifically for scaffolding work
- Colour coded brake pedals to easily identify on/off operation
- An advanced design, eliminating the kingpin, the scaffold castor features a zinc passivated steel frame that ensures rigidity and a long working life

**TESTED & APPROVED  
To AS 1576.2 1991  
Appendix H**

## Specifications & Fittings



Diameter (mm)

Width (mm)

Wheel Type

Wheel Code

Bearing Type

Load Capacity

Swivel Code

### Adjustable Thread Type to Suit 49MM OD Tube

**200**

50

Poly Nylon

No Code

Roller

700

**S879B**

### Pin Type to Suit 38MM ID Tube

**200**

50

Poly Nylon

No Code

Roller

700

**S899B**

We can supply with many other socket and pin sizes.

**Swivel  
S879B**



# Jockey Wheels

Capacity up to 350kg

**NEW**

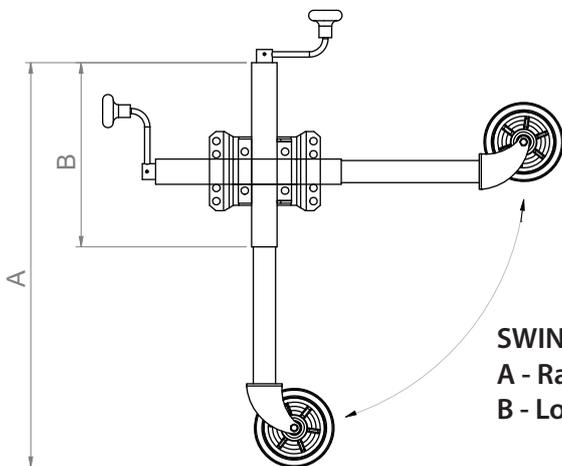
- Richmond jockey wheels are suitable for use on Caravans, Campers, Boat Trailers and Trailers in general
- Richmond jockey wheels are available in both Swivel Bracket and Clamp types
- Swivel Bracket model simply pull the release handle and rotate the jockey wheel into its travelling position
- Jockey wheels fitted with the rebound elastic rubber wheels ensure the product has fantastic rolling and maneuverability compared to similar products with traditional black rubber wheels
- Richmond jockey wheels are constructed with a heavy duty 5/8" adjustable threaded shaft



**CLAMP TYPE**



**SWIVEL BRACKET**



**S6062SW**  
Premium model with Rebound Rubber Wheel



**S6056CL**  
Economy model with Nylon Wheel

## Specifications & Fittings

Diameter (mm)	Width (mm)	Wheel Type	Wheel Code	Bearing Type	Load Capacity	Raised Height A (mm)	Lowered Height B (mm)	Swivel Code
150	45	Reb Rubber	RR6677	Roller	350	760	500	<b>S6052CL</b>
150	45	Reb Rubber	RR6677	Roller	350	760	500	<b>S6062SW</b>
150	45	Nylon	No Code	Plain	350	760	500	<b>S6056CL</b>
150	45	Nylon	No Code	Plain	350	760	500	<b>S6066SW</b>
200	45	Reb Rubber	RR8871	Ball	350	815	555	<b>S8052CL</b>
200	45	Reb Rubber	RR8871	Ball	350	815	555	<b>S8062SW</b>

**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 capacity's are based on smooth concrete or asphalt surfaces.

# Plastic Centred Pneumatic Wheels

Capacity up to 200kg per wheel

- Quality plastic rim, light weight design
- Corrosion and rust resistant rim
- Suitable for applications in wet/damp environments including:  
Nursery Trolleys & Equipment, Hand Trucks  
Agricultural Equipment
- Economic alternative to steel rimmed pneumatics
- Tyre & tube also sold separately



PN1075



PN8865



PN1610



DIAMOND TREAD



TURF TREAD



LUG TREAD

## Specifications & Fittings

 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	250 x 4	Lug	100	PN8864
215	60	62	5/8 or 3/4"	Flange Bearing	250 x 4	Lug	100	PN8865
265	88	60	3/4"	Nylon Bush	410 x 350 x 4	Diamond	100	PN1074
265	88	60	5/8 or 3/4"	Flange Bearing	410 x 350 x 4	Diamond	100	PN1075
420	150	106	1"	Nylon Bush	16 x 650 x 8	Turf	100	PN1604
420	150	106	1"	Flange Bearing	16 x 650 x 8	Turf	200	PN1610
400	100	105	1"	Nylon Bush	400 x 8	Knobby	200	PN1603
400	100	105	1"	Flange Bearing	400 x 8	Knobby	200	PN1627

# Steel Centred Pneumatic Wheels

Capacity up to 300kg per wheel

- Three piece rims are zinc plated and fitted with rubber sealed precision bearings providing longer life
- Two piece rims enamel plated and fitted with flange ball bearings
- Commonly used in garden, industrial & agricultural equipment and concrete mixers
- Tyre & tube also sold separately
- Grey non marking tyres available marked #
- Puncture proof wheels also available



## PNEUMATIC TYRE TREAD PATTERNS



KNOBBY TREAD

TURF TREAD

LUG TREAD



DIAMOND TREAD

INDUSTRIAL TREAD

HIGHWAY TREAD

SAW TOOTH

## TWO PIECE RIM



## THREE PIECE RIM



## Specifications & Fittings

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	5/8", 3/4" or 20mm	Ball	250 x 4	Lug	100	PN8860 *
215	60	60	5/8", 3/4" or 20mm	Ball	2.50 x 4	Lug	100	PN8870 #
260	83	60	5/8", 3/4" or 20mm	Ball	4.10 x350 x 4	Highway	180	PN1066 *
260	85	60	5/8", 3/4" or 20mm	Ball	4.10 x350 x 4	Saw Tooth	180	PN1070 #
320	83	60	1"	Flange Ball	4.10 x3.5 x 6	Highway	180	PN1271
320	120	60	1"	Flange Ball	13 x 5.00 x 6	Turf	200	PN1272
400	90	75	1"	Flange Ball	400 x 8	Industrial	200	PN1607
400	100	75	1"	Flange Ball	400 x 8	Knobby	200	PN1608
400	100	94	25mm	Ball	400 x 8	Highway	300	PN1616 *
400	100	100	25mm	Taper	400 x 8	Highway	300	PN1616TR *

Wheel codes marked with \*Indicates 3 piece rim. All other rims are 2 piece. Recommended Max Pressure 35psi. Wheel Codes marked # are Grey Non Marking

# Rubber Tyred Nylon Centred Wheels

Capacity up to 50kg per wheel



RN6661

- Plain Bore wheel
- Rust free wheel suitable for permanent outdoor settings
- Applications include outdoor furniture, barbeques and nursery trolleys

## Specifications & Fittings

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

# Semi Pneumatic Rubber Tyred Wheels

Capacity up to 70kg per wheel



SP6663

- Attractive steel centred wheel
- Shock absorbing and puncture proof
- Low rolling resistance and quiet operation
- Used in applications in which ease of movement is important - including portable equipment, steam cleaners, nursery trolleys, compressors and portable welders

## Specifications & Fittings

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

# Rubber Tyred Nylon Centred Bearing Wheels

Capacity up to 200kg per wheel

- Low cost alternative to rubber tyred cast iron wheels
- Hard wearing and high resistance to corrosion
- Lightweight with high load bearing capacity



RN8875

## Specifications & Fittings

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

# Rubber Tyred Cast Iron Centred Wheels

Capacity up to 250kg per wheel

- Cast Iron centred wheel for extra strength and ease of movement.
- Rubber tyre offers a cushioned ride
- Blue tyres non marking
- Quiet and shock absorbing
- Roller bearings fitted for ease of rolling



RT6642

## Specifications & Fittings

 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

Capacity up to 100kg per wheel



- Attractive grey wheels with non marking rubber tyres
- Wheels have chrome plated metal centres or nylon centres (those marked \* are nylon centred)
- Features sealed bearings and threadguards
- Used in schools, hospitals and light industrial applications

## Specifications & Fittings

 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 *
100	32	41	5/16" or 3/8"	Ball	100/80	IR4007 *
100	32	41	5/16"	Ball	100/80	IR4008
125	32	41	5/16" or 3/8"	Ball	100/80	IR5007 *
125	32	41	5/16"	Ball	100/80	IR5008
150	32	41	5/16"	Ball	100/80	IR6008
150	32	39.6	5/16"	Ball	100/80	IR6009 *

# Anti Static Rubber Wheels

Capacity up to 100kg per wheel



- Provide anti static protection to loads
- Anti static 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 polyurethane wheels. For technical advice, please phone our staff

## Specifications & Fittings

 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
100	32	41	5/16"	Ball	100/80	AS4006
125	32	41	5/16"	Ball	100/80	AS5005
125	32	41	5/16"	Ball	100/80	AS5006

# Rebound Rubber Tyred Wheels

Capacity up to 350kg per wheel

- Non marking, quiet and shock absorbing with low rolling resistance
- Good for moving lightly loaded equipment over uneven ground
- Protects load from shocks, and rolls over small obstructions easily
- Ideal for waste bins, laundry trolleys, electrical equipment and other "handle with care" goods



## Specifications & Fittings

 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", 20mm or 3/4"	Ball	350/300	RR6677
200	45	63	1/2", 20mm or 3/4"	Ball	350/300	RR8871

# Elastic Rubber Tyred Wheels

Capacity up to 250kg per wheel

- Quiet in operation and resilient, manoeuvring well over small obstacles
- Shock absorbing, providing a cushioned ride for fragile loads
- Good resistance to wear and tear, but not recommended for applications where solvents are present



## Specifications & Fittings

 Diameter (mm)	 Tyre Width (mm)	 Boss Width (mm)	 Axle Diameter	 Bearing Type	 Load Capacity	 Wheel Code
250	50	57	5/8, 3/4 or 20mm	Flange Ball	250/225	ER1003
250	50	56 offset	5/8, 3/4 or 20mm	Flange Ball	250/225	ER1006

# Cushion Rubber Wheels

Capacity up to 1050kg per wheel



- Cushion rubber wheels offer a soft ride while having the ability to withstand high impact
- Steel centre offers additional strength and load bearing capacity
- Quality elastic rubber compound tyres offer a softer, shock absorbing ride
- 6 stud pattern is standard, other patterns available

CR1614

CR1060

## Specifications & Fittings

 Diameter (mm)	 Tyre Width (mm)	 Boss Width (mm)	 Axle Diameter	 Bearing Type	 Load Capacity	 Wheel Code
230	40	50	20/25	Ball	220/180	CR9000
250	50	55	20/25	Ball	300/250	CR1060
280	50	53	20/25	Ball	200/170	CR1110
400	125	Hubs Available	N/A	Hub	1050/810	CR1614

# Solid Pneumatic Wheels

Capacity up to 1050kg per wheel



- Known as "high speed" wheels, the solid pneumatic can be towed up to 30kph
- Designed for tarmac use
- Puncture proof tyre gives a similar ride to pneumatic wheels, with higher load capacities and fewer problems
- Tyres and hubs available separately

## Specifications & Fittings

 Diameter (mm)	 Tyre Width (mm)	 Boss Width (mm)	 Axle Diameter	 Bearing Type	 Load Capacity	 Wheel Code
250	92	66	20mm	Ball	260/200	SN1005
300	92	66	20mm	Ball	540/400	SN1295
400	110	94	20mm	Ball	950/730	SN1612
400	123	Hubs Available	N/A	Ball	1050/810	SN1618

# Rebound Polyurethane Tyred Wheels

Capacity up to 300kg per wheel

- Softer than normal tyre provides a smoother quieter ride than most polyurethane or nylon wheels
- The attractive sky blue tyre will remain cleaner than other types
- 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 available



RP8072

## Specifications & Fittings

 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
150	40	47	15mm or 3/8"	SS Roller	300/250	RP6074
200	50	63	20mm or 1/2"	SS Roller	300/250	RP8072
200	50	63	20mm or 1/2"	SS Ball	300/250	RP8075

# Solid Polyurethane Wheels

Capacity up to 350kg per wheel

- Solid polyurethane wheel 64, on the Shore D Scale
- Excellent wear resistance
- Quiet operation and low rolling resistance providing an effortless ride
- Hygienic appearance, suitable for food and medical industries



PS4479

## Specifications & Fittings

 Diameter (mm)	 Tyre Width (mm)	 Boss Width (mm)	 Axle Diameter	 Bearing Type	 Load Capacity	 Wheel Code
100	50	60	3/4	Roller	350/300	PS4479
125	50	60	3/4	Roller	350/300	PS5579

# Polyurethane Tyred Nylon Centred Wheels

Capacity up to 400kg per wheel



- Tyre manufactured from injection moulded polyurethane around a nylon hub
- Hard wearing, non marking wheel
- Long lasting with high load carrying capabilities

PU6071

PU5539

## Specifications & Fittings



Diameter  
(mm)



Tyre Width  
(mm)



Boss Width  
(mm)



Axle  
Diameter



Bearing  
Type



Load  
Capacity



Wheel Code

Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Capacity	Wheel Code
60	25	31	8mm	Plain	55/50	PU2001
75	25	31	8mm	Plain	55/50	PU3347
75	30	41	8mm	SS Ball	80/45	PU3345
75	30	41	8mm or 3/8"	Ball	80/45	PU3344
100	25	31	8mm	Ball	55/50	PU4421
100	22	40	8mm	SS Ball	100/80	PU4439
100	27	40	8mm or 3/8"	Ball	100/80	PU4444
100	35	45	3/4"	SS Roller	250/200	PU4070
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	40	8mm	SS Ball	100/80	PU5539
125	27	40	8mm or 3/8"	Ball	100/80	PU5555
125	35	45	3/4"	SS Roller	250/200	PU5070
125	35	45	3/4" or 3/8"	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

# Polyurethane Tyred Cast Iron Centred Wheels & Drive Wheels

Capacity up to 5000kg per wheel

- Polyurethane hardness ranging from 60A to 75D on the Shore Scale
- Special tyres and other polyurethane parts manufactured in house
- **DRIVE WHEELS**  
Drive wheels are manufactured with a tyre compound hardness ranging from 85A to 75D on the Shore Scale
- Drive wheels are stocked without keyways cut, Please enquire if you wish us to supply keyways



## Specifications & Fittings

 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" 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	63	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	20 or 25mm	Ball	1100/900	PU615
150	50	63	1/2", 5/8" or 20mm	Ball	600/450	PU649
150	50	63	20, 25mm or 1"	Ball	900/700	PU659
200	50	63	1/2", 5/8", 3/4" or 20mm	Ball	600/450	PU849
200	50	63	20, 25mm or 1"	Ball	1200/700	PU876
200	75	76	20, 25mm or 1"	Ball	1300/750	PU896
200	75	90	20mm	Ball	1500/1200	PU824
200	75	90	20mm	Ball	2000/1700	PU823
200	75	96	40mm	Taper	5000/3750	PU892
250	50	60	20 or 25mm	Ball	1200/900	PU1056
250	75	76	20, 25mm or 1"	Ball	1300/1000	PU1076
250	75	88	20mm	Ball	1500/1200	PU1030
250	75	82	20mm	Ball	2000/1700	PU1029
250	100	112	40mm	Taper	5000/3750	PU1049
300	100	102	50mm	Ball	4000/3000	PU1207
300	72	76	20 or 25mm	Ball	1800/1350	PU1217
300	50	60	20mm	Ball	1300/1000	PU1218
300	100	102	25 or 30mm	Ball	2500/2000	PU1224
300	100	112	40mm	Taper	5000/3750	PU1203
400	125	137	40mm	Taper	5000/3750	PU1606

### DRIVE WHEELS - UP TO 3500KG PER WHEEL

150	50	60	25mm	Plain	500	PU659DV
200	50	60	25mm	Plain	700	PU876DV
200	75	76	25mm or 40mm	Plain	900	PU896DV
250	75	76	25mm or 40mm	Plain	1100	PU1076DV
300	100	102	50mm	Plain	2000	PU1207DV
400	125	127	50mm	Plain	2800	PU1606DV
450	150	152	50mm	Plain	3500	PU1800DV

We can manufacture up to 1000mm Diameter and up to 2000mm long.

# Polyurethane & Nylon Rollers

Capacity up to 800kg per wheel



**PU8074**

- Standard nylon and polyurethane roller range
- Both types of roller offer good wear resistance
- Wheels & Rollers for replacement parts for pallet trucks and other equipment including many major brands
- Rollers also custom made for printing and press applications



**NY417**



**PU326**



## Specifications & Fittings

 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	<b>PU324</b>
80	96	96	Nylon	20mm	Ball	800/700	<b>NY335</b>
82	100	100	Polyurethane	20 or 25mm	Ball	500/375	<b>PU326</b>
82	82	82	Polyurethane	20 or 25mm	Ball	450/340	<b>PU341</b>
82	75	75	Polyurethane	20 or 25mm	Ball	450/340	<b>PU325</b>
82	65	65	Polyurethane	20 or 25mm	Ball	400/300	<b>PU340</b>
82	100	100	Nylon	20 or 25mm	Ball	800/700	<b>NY417</b>
82	82	82	Nylon	20 or 25mm	Ball	600/500	<b>NY418</b>
100	75	75	Polyurethane	20 or 25mm	Ball	600/450	<b>PU410</b>
200	50	48	Polyurethane	20 or 25mm	Ball	600/500	<b>PU8074</b>
200	50	48	Nylon	20 or 25mm	Ball	600/500	<b>NY832</b>
200	50	56	Polyurethane	20mm	Ball	600/500	<b>PU820</b>
200	50	56	Nylon	20mm	Ball	600/500	<b>NY833</b>

**CAN'T FIND WHAT YOU ARE LOOKING FOR? PLEASE ENQUIRE WITH OUR TECHNICAL SALES STAFF AS WE SUPPLY CUSTOM PRODUCTS**

# High / Low Temperature Wheels

Capacity up to 600kg per wheel

- Glass filled nylon and phenolic wheels are for use in bakery ovens, smoke houses, chillers or applications in which there is temperature fluctuation from -30c to +300c
- Phenolic wheel PH473, PH474 are fitted with self lubing Teflon bushes to avoid the risk of squeaking which is typical of the plain bearing type
- All the wheels can be fitted to a variety of our castor frames. Please ask for more comprehensive advice
- Phenolic wheel PH475 is fitted with sintered a bronze bush



**Glass Filled Nylon  
GF412**

**Phenolic  
PH474**

**Cast Iron  
SG608**

Castors using High 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)

## Specifications & Fittings

### HIGH TEMPERATURE WHEELS - UP TO 600KG PER WHEEL

 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	<b>Ci3340</b>
100	35	45	20mm	Plain	200/150	-30° to 240°C	<b>GF412</b>
100	30	37	1/2"	Plain	200/150	-30° to 240°C	<b>GF4420</b>
100	35	41 (inc sleeve)	5/16" (inc sleeve)	Teflon	180/150	-30° to 280°C	<b>PH472</b>
100	35	46 (inc sleeve)	5/16" (inc sleeve)	Teflon	180/150	-30° to 280°C	<b>PH473</b>
100	35	40	1/2"	Plain	180/150	-30° to 300°C	<b>PH474</b>
100	35	46	1/2"	Plain	180/150	-30° to 300°C	<b>PH475</b>
100	38	45	1/2"	Plain	300/225	-30° to 300°C	<b>Ci421</b>
125	38	45	1/2"	Plain	380/280	-30° to 300°C	<b>Ci532</b>
150	45	57	3/4"	Plain	400/300	-30° to 240°C	<b>GF652</b>
150	45	60	1/2", 3/4"	Plain	600/450	-30° to 300°C	<b>Ci611</b>
150	50	60	5/8"	Plain	500/400	-30° to 300°C	<b>SG608</b>
200	43	60	20mm	Plain	400/300	-30° to 240°C	<b>GF800</b>
200	50	60	3/4"	Plain	600/450	-30° to 300°C	<b>Ci842</b>
250	50	60	30mm	Ball	500/400	-30° to 240°C	<b>GF1023</b>

# Solid Nylon Wheels

Capacity up to 500kg per wheel



- High quality virgin nylon, fully conditioned in an industrial sauna for maximum strength
- Easy to maintain, durable wheel
- Large range of wheels and mouldings available
- Low rolling resistance

## Specifications & Fittings



Diameter  
(mm)



Tyre Width  
(mm)



Boss Width  
(mm)



Axle Diameter



Bearing Type



Load Cap



Wheel Code

Diameter (mm)	Tyre Width (mm)	Boss Width (mm)	Axle Diameter	Bearing Type	Load Cap	Wheel Code
50	20	22	5/16"	Plain	50/35	<b>NY204 *</b>
75	30	38	5/16" or 1/2"	Plain	125/100	<b>NY3321 *</b>
100	35	42	1/2"	Plain	300/200	<b>NY401 #</b>
100	30	37	5/16" or 1/2"	Plain	125/100	<b>NY4417 *</b>
100	35	44	12mm	Roller	300/200	<b>NY403</b>
100	35	42	3/8" or 1/2"	Ball	300/200	<b>NY413</b>
125	35	44	1/2" or 3/4"	Plain	350/250	<b>NY501 #</b>
125	30	37	5/16" or 1/2"	Plain	125/100	<b>NY5517 *</b>
125	35	44	3/4"	Roller	330/250	<b>NY503</b>
125	35	44	3/8" or 1/2"	Ball	330/250	<b>NY513</b>
150	50	60	3/4", 20mm or 7/8"	Plain	400/300	<b>NY652 #</b>
150	45	45	3/4"	Plain	250/200	<b>NY653 *</b>
150	50	60	20mm	SS Roller	400/300	<b>NY655 *</b>
150	50	63	1/2", 5/8", 3/4" or 20mm	Ball	400/300	<b>NY613</b>
150	50	63	1/2" or 20mm	SS Ball	400/300	<b>NY635</b>
200	50	60	3/4", 20mm or 7/8"	Plain	400/300	<b>NY800 #</b>
200	50	63	20mm	SS Roller	500/400	<b>NY802 *</b>
200	50	63	1/2", 5/8", 3/4" or 20mm	Ball	400/300	<b>NY830</b>
200	50	63	1/2" or 20mm	SS Ball	400/300	<b>NY854</b>

\* Available in white only. # Available in black or white  
Quantities of 1000 or more available in your nominated colour.

# Cast Iron & SG Iron Wheels

Capacity up to 5000kg per wheel

- Both Cast Iron & SG Iron wheels provide high capacity with low rolling resistance
- Hard wearing, abrasive & heat resistant
- Suitable for high load bearing applications in which loads are left standing for extended periods eg: glass and timber trolleys
- Contact sales for suitability for floor surfaces



## Specifications & Fittings

### CAST IRON WHEELS - UP TO 1800KG PER WHEEL

 Diameter (mm)	 Tyre Width (mm)	 Boss Width (mm)	 Axle Diameter	 Bearing Type	 Load Capacity	 Wheel Code
75	32	38	1/2"	Plain	150/100	<b>Ci3340</b>
100	38	45	1/2"	Plain	300/225	<b>Ci421</b>
100	50	60	1/2" or 5/8"	Ball	750/560	<b>Ci464 •</b>
100	38	41	1/2" or 3/8"	Ball	400/300	<b>Ci400</b>
125	38	45	1/2"	Plain	380/280	<b>Ci532</b>
125	45	60	5/8"	Ball	660/500	<b>Ci520</b>
150	45	60	1/2", 3/4"	Plain	600/450	<b>Ci611</b>
150	75	76	20 or 25 mm	Ball	1675/1250	<b>Ci689</b>
150	45	60	1/2", 5/8", 3/4" & 20mm	Ball	1000/500	<b>Ci601</b>
200	50	60	3/4"	Plain	600/450	<b>Ci842</b>
200	50	60	1/2", 20 or 25mm	Ball	1800/750	<b>Ci852</b>

• denotes wheels manufactured from K1045 Steel

### SG IRON WHEELS - UP TO 5000KG PER WHEEL

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

• denotes wheels manufactured from K1045 Steel

# Richmond Engineering Solutions

For over 50 years Richmond has been providing industry with custom engineered and manufacturing solutions.

Richmond's designers and engineers, offer our clients the unique ability to have products designed and manufactured in house. Richmond understands that there will always be a need to custom manufacture products to fit exact specifications. Richmond's engineers provide a complete engineering service, from CAD design and testing through to product manufacture.

## Manufacturing

Machining – To machine steel, stainless steel and plastic

Two axis CNC lathes

Five axis CNC lathe

CNC manufacturing centres

CADCAM – Full integration of SOLIDWORKS & CAMWORKS into our machine facility

Design capability – Accredited to AS/NZS

ISO9001-2008

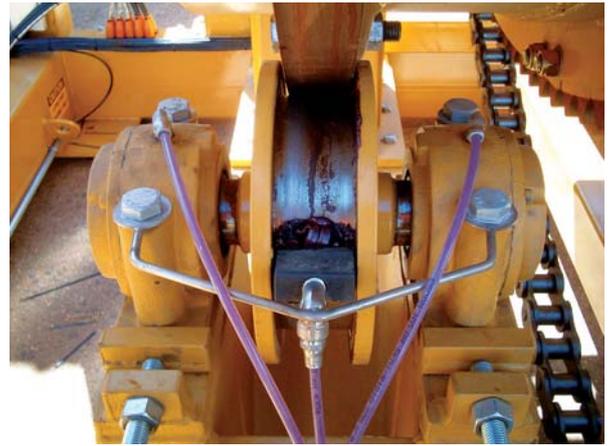
## Robotic welding

MIG mild steel and stainless steel

Laser and plasma cutting

Light and heavy assembly

Fabrication to 500kg



**CUSTOM MADE PRODUCTS**

## Rapid design & testing



Detailed 3D stress testing using finite element analysis

# Concrete Agitator Rollers

- Full range of concrete agitator rollers for small to large concrete trucks
- Suitable for all trommel applications
- Full range of spare parts available for these rollers
- **Specials also made to order including nylon and aluminium rollers**



**MAXIROLLER**

## Specifications & Fittings

### MINI ROLLER

Used for 3 metre Mini Concrete Trucks

 Roller Diameter (mm)	 Rim Width (mm)	 Dist B/W Flats (mm)	 Flat Width (mm)	 Flat Depth (mm)	 Flat Diameter (mm)	 Axle Length (mm)	 Roller Code
152	75	105	10	5	26.5	154	<b>MINIROLLER</b>



### JTY ROLLER

Used for 4 to 6 metre Mini Concrete Trucks

 Roller Diameter (mm)	 Rim Width (mm)	 Dist B/W Flats (mm)	 Flat Width (mm)	 Flat Depth (mm)	 Flat Diameter (mm)	 Axle Length (mm)	 Roller Code
208	92	158.5	12.75	5.5	32.5	216	<b>JTYROLLER</b>



### MAXI ROLLER

Used for 6 to 8 metre Large Concrete Trucks

 Roller Diameter (mm)	 Rim Width (mm)	 Dist B/W Flats (mm)	 Flat Width (mm)	 Flat Depth (mm)	 Flat Diameter (mm)	 Axle Length (mm)	 Roller Code
197	121	160	18	4.45	31.8	237	<b>MAXIROLLER</b>



# Track Wheels - Single Flange

Capacity up to 4000kg per wheel



- Single flange wheels are designed to run on Railway line
- Can be used on other sections such as RHS
- Made from cast iron and steel to suit your application with axle shafts available
- Track wheels can be flame hardened to increase wear resistance
- Also available as drive wheels

SF1099

SF697

## Specifications & Fittings

 Wheel Diameter (mm)	 Rim Width (mm)	 Flange Width (mm)	 Flange Diameter (mm)	 Boss Width (mm)	 Boss Diameter (mm)	 Axle Diameter	 Bearing Type	 Load Capacity (kg)	 Wheel Code
75	45	10	100	55	Solid	20 or 25mm	Ball	750	SF399
100	25	10	120	42	40	3/4"	Plain	375	SF499
100	50	20	130	70	Solid	20 or 25mm	Ball	1300	SF492
100	25	10	120	42	40	1/2"	Ball	375	SF499
150	40	9	175	53	62	3/4" or 25mm	Plain	1000	SF699
154	50	20	192	76	Solid	25mm	Ball	2000	SF697
150	40	9	175	53	62	5/8" or 20mm	Ball	1000	SF699
200	50	14	225	64	Solid	25 or 50mm	Plain	3000	SF899
200	39	16	228	55	101	35mm	Ball	1100	SF891
200	50	14	225	64	Solid	20 or 25mm	Ball	1500	SF899
250	50	15	290	65	Solid	25 or 50mm	Plain	1800	SF1099
250	52	12	285	75	125	45mm	Ball	2400	SF1098
250	50	15	290	65	Solid	25mm	Ball	1800	SF1099
300	52	14	360	95	150	50mm	Ball	4000	SF1299
350	57	17	420	83	105	30mm	Ball	3800	SF1499

**CAN'T FIND WHAT YOU ARE LOOKING FOR? PLEASE ENQUIRE WITH OUR TECHNICAL SALES STAFF AS WE WILL MANUFACTURE TO SUIT YOUR REQUIREMENTS**

# Track Wheels - Double Flange

Capacity up to 5000kg per wheel

- Double flange wheels are often used where accurate tracking is needed
- Manufactured with K1045 Steel
- Double flange wheels can be matched with a flat rim wheels to guide on one side of the track only
- Axle shafts are available upon request
- Can be flame hardened to increase wear resistance
- Also available as drive wheels



**DF698**

## Specifications & Fittings

 Wheel Diameter (mm)	 Rim Width (mm)	 Flange Width (mm)	 Flange Diameter (mm)	 Boss Width (mm)	 Boss Diameter (mm)	 Axle Diameter	 Bearing Type	 Load Capacity	 Wheel Code
125	27	15	150	60	70	20 or 25mm	Ball	1300	<b>DF698</b>
150	52	10.5	178	74	Solid	30mm	Ball	1800	<b>DF795</b>
175	52	12	200	76	Solid	30mm	Ball	2800	<b>DF895</b>
225	52	14	250	80	Solid	30 or 50mm	Ball	4000	<b>DF1095</b>
250	62	19	300	100	Solid	50mm	Ball	5000	<b>DF1295</b>

# Track Wheels - Beam Trolley

Capacity up to 500kg per wheel

- This range of beam trolley wheels has been designed to fit standard channel and beam sections
- All beam trolley wheels in the range are CNC machined in house from the highest quality K1045 Steel
- Strong and reliable track wheels



**BT80**

## Specifications & Fittings

 Wheel Diameter (mm)	 Rim Width (mm)	 Flange Width (mm)	 Flange Diameter (mm)	 Axle Length (mm)	 Shoulder Length (mm)	 Axle Diameter	 Bearing Type	 Load Capacity	 Wheel Code
48	14	5	61	17	2	1/2" UNF	Ball	65	<b>BT481</b>
58	27	12	79	25	3	16mm (M16)	Ball	200	<b>BT581</b>
80	27	12	100	30	3	20mm (M20)	Ball	250	<b>BT80</b>
100	32	8	134	35	3	24mm (M24)	Ball	500	<b>BT493</b>

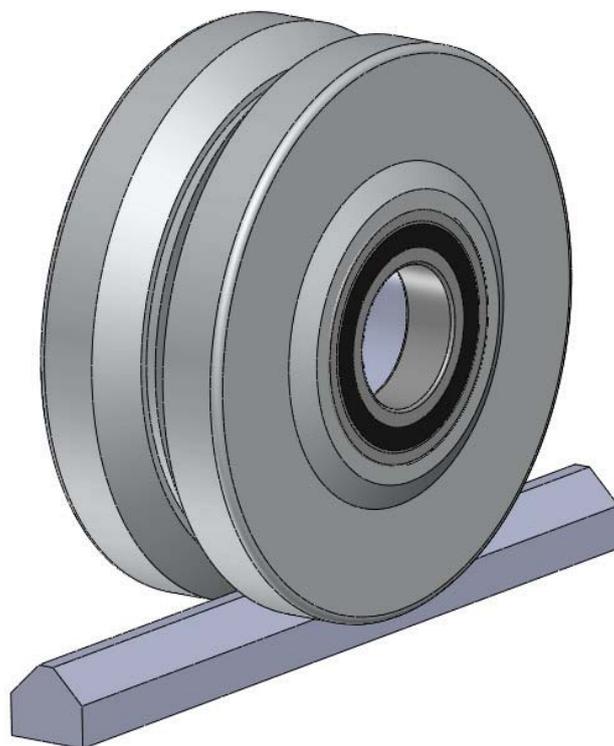
# Track Wheels - V Groove

Capacity up to 5000kg per wheel



VG459

- For running track wheels on bars, pipes, angle iron or rope
- CNC Machined from Cast Iron, K1045 Steel or SG Iron
- Capacities can be increased with changes to bearing and shaft configurations
- Custom Design to your specifications available



## Specifications & Fittings

 Wheel Diameter (mm)	 Rim Width (mm)	 Boss Width (mm)	 Groove Width (mm)	 Groove Depth (mm)	 Axle Diameter	 Bearing Type	 Load Capacity	 Wheel Code
75	32	38	22	10.8	1/2"	Plain	65	<b>VG360+</b>
100	36	41	22	10.8	3/4"	Plain	280	<b>VG459+</b>
100	36	41	22	10.8	3/8" or 1/2"	Ball	280	<b>VG459+</b>
100	50	60	22	12.0	1/2" or 3/4"	Roller	300/250	<b>VG461+</b>
150	38	60	22	10.8	5/8" or 20mm	Ball	650	<b>VG609+</b>
150	50	60	22	12.0	1/2" or 3/4"	Roller	450/400	<b>VG661+</b>
200	52	60	30	14.7	20 or 25mm	Ball	1300	<b>VG839~</b>
200	75	96	30	14.7	40mm	Taper	5000	<b>VG836•</b>
250	52	60	30	14.7	25 or 30mm	Ball	1800	<b>VG1059•</b>

Denotes wheels manufactured from: • K1045 Steel, + Cast Iron, ~ SG Iron

# Track Wheels - C Groove

Capacity up to 280kg per wheel

- For running track wheels on bars, pipes, angle iron.
- CNC Machined from Cast Iron, K1045 Steel or SG Iron
- Capacities can be increased with changes to bearing and shaft configurations
- Custom Design to your specifications available



CG459

CG10028

## Specifications & Fittings

 Wheel Diameter (mm)	 Rim Width (mm)	 Boss Width (mm)	 Suit Bar (mm)	 Axle Diameter (mm)	 Bearing Type	 Load Capacity	 Wheel Code
78	28	34	20	14	Ball	350	CG8028 *
88	28	34	20	14	Ball	380	CG9028 *
98	28	34	20	14	Ball	400	CG10028 *
100	36	41	16 or 20	3/8" or 1/2"	Ball	280	CG459
116	28	34	20	14	Ball	420	CG12028 *

Manufactured from cast iron. Other sizes and shapes available for quantity orders. Wheels marked \* Denotes manufactured from K1045

# Track Wheels - Rope Groove

Capacity up to 1500kg per wheel

- For running track wheels on bars, pipes, rope, wire or cable
- CNC Machined from Cast Iron, K1045 Steel or SG Iron
- Capacities can be increased with changes to bearing and shaft configurations
- Custom Design to your specifications available



RG458

## Specifications & Fittings

 Wheel Diameter (mm)	 Rim Width (mm)	 Boss Width (mm)	 Suit Rope Diameter (mm)	 Axle Diameter	 Bearing Type	 Load Capacity	 Wheel Code
100	25	27	8mm	1/2", 5/8" or 20mm	Ball	500	RG458
150	32	34	12mm	20mm or 25mm	Ball	1500	RG658

Manufactured from CNC Machined K1045 Steel.

**NEW**

# Gate Track Wheels

Capacity up to 420kg per wheel



**CG463**

- Commonly used in sliding gate systems
- Suitable for all sliding applications
- Richmond stock a full range of Gate Systems suited to Sliding Track Wheels. Range includes Track, Guide Rollers, Brackets, AC & DC Motors & Solar Panels

\*Also see page 37 for Spring Loaded Gate Castors

## Specifications & Fittings

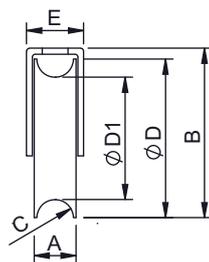
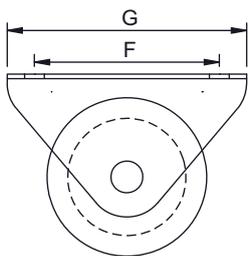
### TRACK WHEELS

 Wheel Diameter (mm)	 Rim Width (mm)	 Boss Width (mm)	 Suit Bar (mm)	 Axle Diameter (mm)	 Bearing Type	 Load Capacity	 Wheel Code
78	28	34	20	14	Ball	350	<b>CG361 *</b>
88	28	34	20	14	Ball	380	<b>CG462 *</b>
98	28	34	20	14	Ball	400	<b>CG463 *</b>
100	36	41	16 or 20	3/8" or 1/2"	Ball	280	<b>CG459</b>
116	28	34	20	14	Ball	420	<b>CG560 *</b>

Manufactured from cast iron. Other sizes and shapes available for quantity orders. Wheels marked \* Denotes manufactured from K1045. Custom Designs to your specification.

### EXTERNAL TRACK WHEEL capacity up to 200kg per wheel

A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	E (mm)	F (mm)	G (mm)	Code
25	83	20	78	60	37	90	116	<b>R329</b>



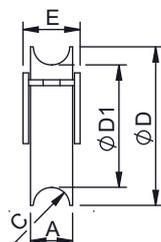
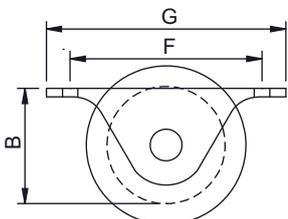
Suits 20mm Round Bar.  
Round profile track available from Richmond in 3 meter lengths with a zinc plated finish.



**R329**

### RECESS TRACK WHEEL capacity up to 200kg per wheel

A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Code
24	30	20	78	63	32	110	130	51	<b>R331</b>
24	37	20	88	70	34	130	155	62	<b>R467</b>



Suits 20mm Round Bar.  
Round profile track available from Richmond in 3 meter lengths with a zinc plated finish.



**R467**

# Polyurethane Custom Mouldings

- Processing capabilities for Polyethers, Polyesters, Polycaprolactones, TDI & MDI materials
- Hardness range 60A - 75D
- Mould design and manufacture
- Attractive high quality finish on any size or shape

Richmond's core capabilities extend well beyond wheels and castors and since 1981, we have been producing high quality Polyurethane products for a broad range of applications, products and industries.

Richmond's highly trained and skilled personnel always provide innovative solutions to all your requirements.

Richmond's design capability (ISO 9001) can match the Hardness, Wear Resistance, Load Bearing and Speed characteristics for all your Polyurethane needs.

Richmond utilises a wide range of polyurethane systems in order to satisfy your requirements.

Richmond moulds with TDI,MDI,PPDI in polyester, polyether and polycaprolactone.

Richmond has the formulations to provide economic and succesful solutions from the simple to the high end and most demanding.

## Polyurethane capability

Polyurethane – Hot cast elastomer casting  
Moulding of polyurethane parts in TDI and ECP polyurethanes

1.5mL x 1.5mD x 1.4mH curing oven

1.8mL x 1.8mD x 2.4mH curing oven

3.8mL x 3.0mD x 2.3mH curing oven

4.3mL x 3.7mD x 2.55mH curing oven

All shapes and sizes

CUSTOM MADE  
PRODUCTS



# Pipe Rollers



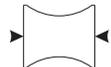
From the installation of underground cabling, to the laying of agricultural, gas or mining pipelines, pipe rollers make the job simpler by compensating for expansion and contraction

Predominantly made in steel, polyurethane or nylon, pipe rollers can be manufactured from a variety of other materials to suit specific pipe sizes, capacities or environmental conditions

Our engineers can consult with you on design, or alternatively work from your own CAD drawings. **WE ALSO MANUFACTURE HOUSING & FRAMES**

## Specifications & Fittings

### STANDARD POLYURETHANE PIPE ROLLER SPECIFICATIONS

 Nominal Pipe Size	 Roller Width	 Outer Diameter	 Inner Diameter	 Shaft Size	 Load Capacity	Code
50-90	66	58	40	1/2"	230	055PIPEPU090
100-150	96	84	53	5/8"	450	055PIPEPU150
200-250	160	127	83	25	950	055PIPEPU250
300-350	210	148	85	30	1400	055PIPEPU350
400-500	275	158	90	30	2250	055PIPEPU500
600	320	200	120	45	2600	055PIPEPU600
750	370	234	146	50	3200	055PIPEPU750

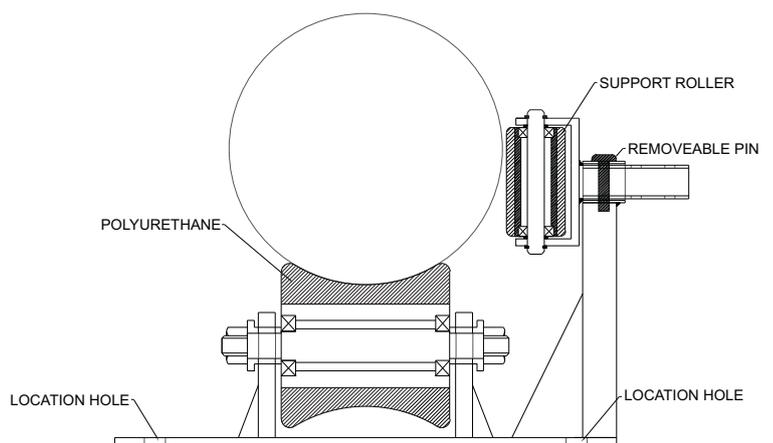
### SELECTING PIPE ROLLERS

Important considerations when designing or selecting pipe rollers:

- Pipe diameter
- Pipe weight per metre
- Environmental conditions (outdoor, underground, wet, dry etc)
- Type of mounting required
- Life expectancy



### SCHEMATIC DRAWING OF TYPICAL PIPE ROLLER & HOUSING



### STEEL PIPE ROLLERS



Basic steel pipe roller used to support pipes & reduce stress that occurs with expansion and contraction of pipes

### POLYURETHANE PIPE ROLLERS



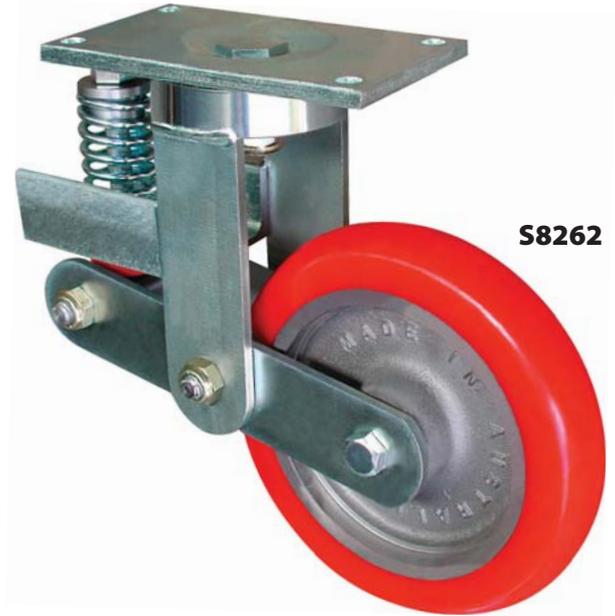
A high standard of polyurethane reduces surface damage of protective coating on pipes.

# Spring Loaded Castors

Richmond will custom design and build spring loaded castors for applications

The compression spring makes the castor shock absorbing, taking out vibration and helping to protect fragile loads over rough terrain

It's robust construction allows it to be used in various applications which can change load capacities and tow speeds



## Specifications

SPRING LOADED CASTORS & SPECIALS AVAILABLE ON REQUEST



# Glass Industry Castors

Catering to the glass manufacturing and glazier industry, we manufacture and import a large range of products specifically to meet the needs of the glass industry



# Leveling Jack



Leveling Jack

- Leveling Jacks are used when easy and accurate height adjustment is required and can be made to suit your application
- Can also be used to stabilise products on uneven ground
- All Leveling Jacks are custom made to suit your specifications

# Axles



Axle



Axle

- Standard axles are produced to support our existing range of wheels & castors
- Custom made axles can be manufactured to suit your existing designs
- Our engineers can design and manufacture axles to suit your specific application

# Hubs



Hub

- Our standard range of hubs have been manufactured to suit our PN and SN range of tyres
- Custom hubs to suit your application can be manufactured to fit existing designs
- Our engineers can design and manufacture axles to suit your specific application

# Gravity Conveyor Rollers

Suitable for loads up to 120kg

**NEW**

- Richmond Gravity Rollers allow free moving, efficient and safe transportation of goods at any operational stage
- Richmond Gravity Rollers are securely attached in the frame maximising roller and bearing function
- Rollers have spring loaded shafts for easy installation and hassle free maintenance
- Rollers are available in Steel (Zinc Plated), Nylon and are also available in Stainless Steel
- It is recommended that there be a minimum of three rollers under the goods to be transported at any time. Roller Pitch is determined by the size of goods to be transported, in the instances of various sizes, roller pitch is determined by the size of the smallest goods to be transported

**Richmond custom manufacture rollers to size**



**N.B. 10mm Shaft with 8mm flats**

## Specifications

Model Measurement	Face Width (mm)	Over Bearing Width (mm)	Diameter (mm)	Material Type	Load Capacity per roller kg	To Suit Overall Conveyor Width (mm)
CR50x230ST	217	227	50	Steel	120	290
CR50x230NY	206	227	48	Nylon	40	290
CR50x390ST	377	387	50	Steel	120	450
CR50x390NY	366	387	48	Nylon	30	450
CR50x540ST	527	537	50	Steel	120	600
CR50x540NY	516	537	48	Nylon	20	600

**NEW**

# Gravity Conveyor With Stands



Steel Roller

## Specifications

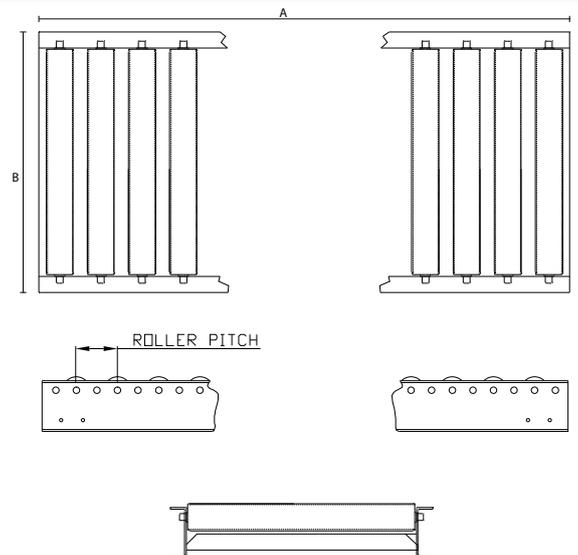
Model	Length (A) mm	Pitch mm	Overall Width (B) mm	Number of Rollers	Roller Material
CGL1P1290STS	1500	75	290	20	Steel
CGL1P1290NYS	1500	75	290	20	Nylon
CGL1P2290STS	1500	115	290	13	Steel
CGL1P2290NYS	1500	115	290	13	Nylon
CGL1P3290STS	1500	150	290	10	Steel
CGL1P3290NYS	1500	150	290	10	Nylon
CGL3P1290STS	3000	75	290	40	Steel
CGL3P1290NYS	3000	75	290	40	Nylon
CGL3P2290STS	3000	115	290	26	Steel
CGL3P2290NYS	3000	115	290	26	Nylon
CGL3P3290STS	3000	150	290	20	Steel
CGL3P3290NYS	3000	150	290	20	Nylon
CGL1P1450STS	1500	75	450	20	Steel
CGL1P1450NYS	1500	75	450	20	Nylon
CGL1P2450STS	1500	115	450	13	Steel
CGL1P2450NYS	1500	115	450	13	Nylon
CGL1P3450STS	1500	150	450	10	Steel
CGL1P3450NYS	1500	150	450	10	Nylon
CGL3P1450STS	3000	75	450	40	Steel
CGL3P1450NYS	3000	75	450	40	Nylon
CGL3P2450STS	3000	115	450	26	Steel
CGL3P2450NYS	3000	115	450	26	Nylon
CGL3P3450STS	3000	150	450	20	Steel
CGL3P3450NYS	3000	150	450	20	Nylon
CGL1P1600STS	1500	75	600	20	Steel
CGL1P1600NYS	1500	75	600	20	Nylon
CGL1P2600STS	1500	115	600	13	Steel
CGL1P2600NYS	1500	115	600	13	Nylon
CGL1P3600STS	1500	150	600	10	Steel
CGL1P3600NYS	1500	150	600	10	Nylon
CGL3P1600STS	3000	75	600	40	Steel
CGL3P1600NYS	3000	75	600	40	Nylon
CGL3P2600STS	3000	115	600	26	Steel
CGL3P2600NYS	3000	115	600	26	Nylon
CGL3P3600STS	3000	150	600	20	Steel
CGL3P3600NYS	3000	150	600	20	Nylon

- Richmond Gravity Rollers allow free moving, efficient and safe transportation of goods at any operational stage
- Roller conveyors are ideal for moving heavy and non standard shaped items along processing and packaging lines
- Interlocking sections make for greater flexibility for additions and subtractions
- Interlocking mechanism provides safety and ensures maximum efficiency
- Side channel and cross members are made from steel for maximum rigidity and are attractively powder coated for a top quality aesthetic appearance
- Adjustable height of 715 – 1015mm
- It is recommended that there be a minimum of three rollers under the goods to be transported at any time. Roller Pitch is determined by the size of goods to be transported, in the instances of various sizes, roller pitch is determined by the size of the smallest goods to be transported

Flex conveyors available from Richmond

Also Available without stands

**Richmond custom manufacture conveyor systems**



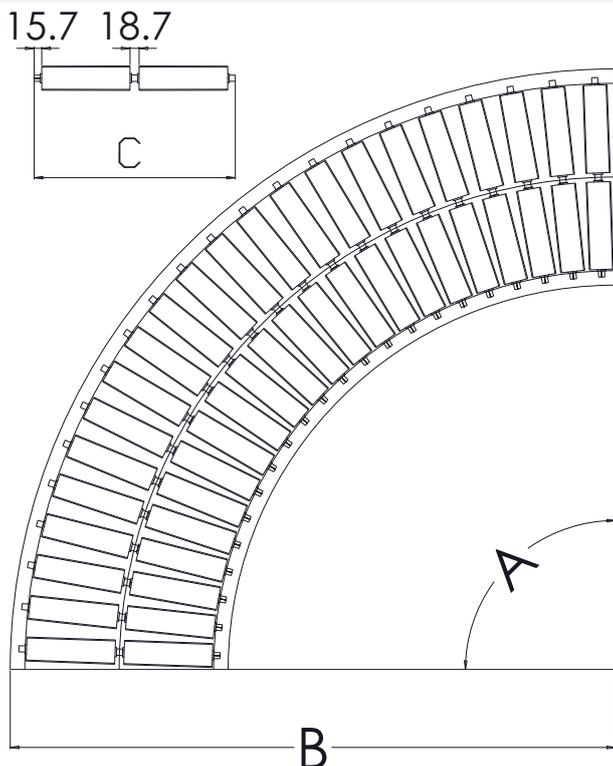
**N.B. Roller sits above channel.  
Steel Roller 50mm Diameter  
Nylon Roller 48mm Diameter**

# Gravity Conveyor Bends

**NEW**

- Richmond Gravity Bends allow free moving, efficient and safe transportation of goods at any operational stage
- Gravity conveyors bends are ideal for moving heavy and non standard shaped items along processing and packaging lines
- Interlocking sections make for greater flexibility for additions and subtractions to bent and other straight sections
- Side channel and cross members are made from steel for maximum rigidity and are attractively powder coated for a top quality aesthetic appearance
- Adjustable stand height of 715 – 1015mm
- It is recommended that there be a minimum of three rollers under the goods to be transported at any time. Roller Pitch is determined by the size of goods to be transported, in the instances of various sizes, roller pitch is determined by the size of the smallest goods to be transported

## Richmond custom manufacture conveyor systems



N.B. Roller sits above channel.  
Steel Roller 50mm Diameter.  
Roller Pitch is 75mm



## Specifications

Model	Angle (A) Degree	Outside Radius (B) mm	Overall Frame Width (C) mm	Roller Material
CB45290ST	45	1250	290	Steel
CB90290ST	90	1250	290	Steel
CB45450ST	45	1250	450	Steel
CB90450ST	90	1250	450	Steel
CB45600ST	45	1410	600	Steel
CB90600ST	90	1410	600	Steel

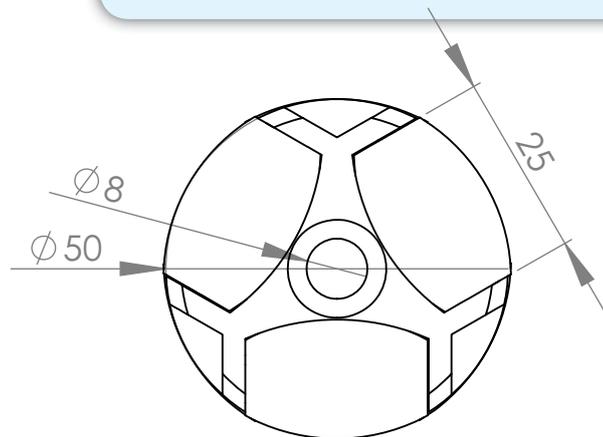
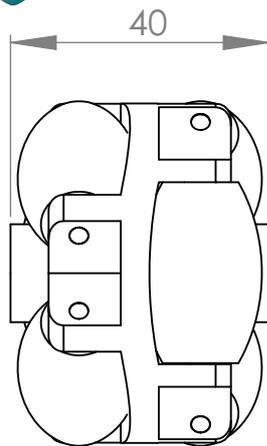
**NEW**

# Multi Directional Wheels

Suitable for loads up to 60kg



**OMNIWHEEL48**



- A unique design allows a group of free turning rollers mounted in a staggered pattern
- Rollers can move loads in multiple directions
- Commonly used in castors and conveyors
- Speak to the Richmond sales team about custom applications and designs for your application

**NEW**

# Ball Transfers

Suitable for loads up to 45kg

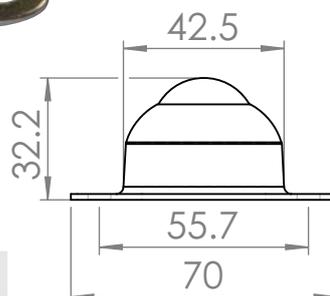


**BALLTRANS**

- Enable smooth simple transfer of flat objects in any direction, multi directional movement is essential where the need to move heavy loads is paramount
- Ideally suited for transferring from one conveyor to another
- Commonly used around presses, guillotines and machining centres
- Richmond can custom design and manufacture specific sized Transfer Tables to suit your requirements

## Specifications

Model	Capacity (kg)	Diameter (mm)	Ball Material
BALLTRANS	45	25.4	Mild Steel



# Floorlocks

Suitable for loads up to 300kg

- Designed to stop portable equipment and trolleys from moving
- Foot operated
- Features long lasting resilient polyurethane pad
- Swivel base allows for use on uneven floors



## FLOORLOCK OPERATION

- 1 Depress the down pedal as far as it will go. The lock is now set.
- 2 To unlock, press the up pedal until it is level with the down pedal. Release. The base will then retract from the floor

## SELECTING & INSTALLING FLOOR LOCKS

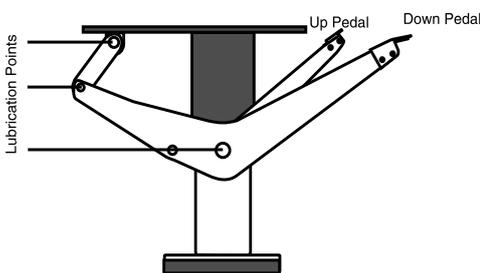
It is important to select a model which clears the floor when retracted.

To adapt a floor lock to your current equipment, select a model with an extended height 1.6 mm to 6mm greater than the overall height of the castors.

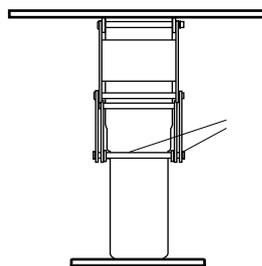
The lock must be centred between castors

When installed the floor lock must be set 5mm from ground level when in the UP position

## CROSS SECTION FLOOR LOCK

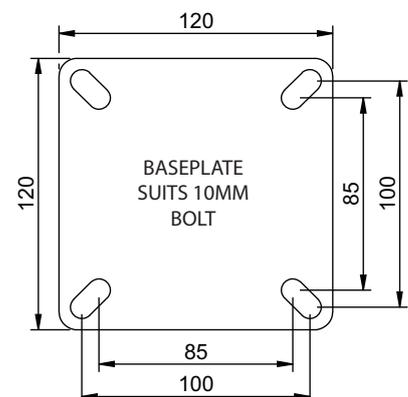


FRONT VIEW



SIDE VIEW

## BASEPLATE DIMENSIONS FLOOR LOCK



## Specifications & Fittings

Extended Height	Retracted Height	Stroke	Pedal Length	Floor Lock Code
155	130	25	140	900-2
215	170	45	145	900-4

# A - Justa - Foot Ball Jointed

Suitable for loads up to 1000kg



- A multi-adjustable pedestal foot, ideal for industrial, commercial, workshop or food industry applications
- A special insert base helps to absorb vibration, meaning your machinery will stay exactly where you put it
- Available in a large variety of sizes with mild or stainless steel threads

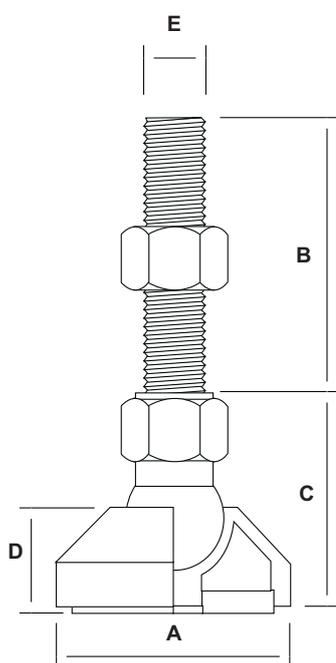
## Specifications & Fittings



Ball Jointed A-Justa-Foot Sizes - Mild Steel (Zinc Plated)

Size	Base Diameter (A)	Thread Height (B)	Base-Thread Height (C)	Base Height (D)	Thread (E)	Load Capacity (kg)	Code
40 x M8	40	35	33	20	M8	350	AJ2040M835
40 x M8	40	60	33	20	M8	350	AJ2040M860
40 x M10	40	35	33	20	M10	500	AJ2040M1035
40 x M10	40	60	33	20	M10	500	AJ2040M1060
60 x M12	60	65	51	25	M12	800	AJ2060M1265
60 x M16	60	65	51	25	M16	1000	AJ2060M1665
60 x M16	60	150	51	25	M16	1000	AJ2060M16150
60 x M20	60	100	51	25	M20	1000	AJ2060M20100
60 x M20	60	165	51	25	M20	1000	AJ2060M20165
90 x M12	90	65	51	25	M12	800	AJ2090M1265
90 x M16	90	65	51	25	M16	1000	AJ2090M1665
90 x M16	90	150	51	25	M16	1000	AJ2090M16150
90 x M20	90	100	51	25	M20	1000	AJ2090M20100
90 x M20	90	165	51	25	M20	1000	AJ2090M20165

BALL JOINTED A-JUSTA-FOOT



Ball Jointed A-Justa-Foot Sizes - Stainless Steel

40 X M8	40	80	33	20	M8	350	AJ2140M880
40 x M10	40	60	33	20	M10	500	AJ2140M1060
60 x M12	60	65	51	25	M12	800	AJ2160M1265
60 x M16	60	65	51	25	M16	1000	AJ2160M1665
60 x M16	60	165	51	25	M16	1000	AJ2160M16165
60 x M20	60	100	51	25	M20	1000	AJ2160M20100
60 x M20	60	165	51	25	M20	1000	AJ2160M20165
90 x M12	90	65	51	25	M12	800	AJ2190M1265
90 x M16	90	65	51	25	M16	1000	AJ2190M1665
90 x M16	90	165	51	25	M16	1000	AJ2190M16165
90 x M20	90	100	51	25	M20	1000	AJ2190M20100
90 x M20	90	165	51	25	M20	1000	AJ2190M20165

# A - Justa - Foot Bolt Down

Suitable for loads up to 1000kg

## Materials:

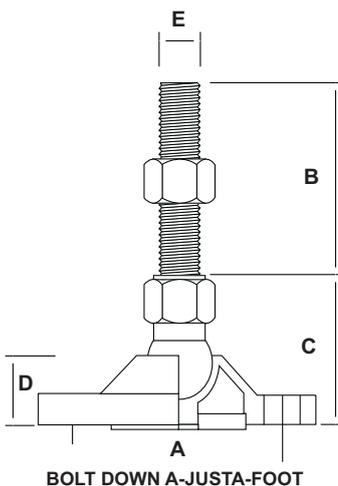
- The base & ball are glass reinforced nylon
- The pad is synthetic rubber shore 73
- The stud & nut can either be mild steel or stainless

**BOLT DOWN  
A-JUSTA-FOOT**



## Specifications & Fittings

### Bolt Down A-Justa-Foot Sizes - Mild Steel (Zinc Plated)



Size	Hole Centres (A)	Thread Height (B)	Base -Thread Height (C)	Base Height (D)	Thread (E)	Load Capacity (kg)	Code
40 x M8	60	35	33	20	M8	350	AJ3040M835
40 x M8	60	60	33	20	M8	350	AJ3040M860
40 x M10	60	35	33	20	M10	500	AJ3040M1035
40 x M10	60	60	33	20	M10	500	AJ3040M1060
60 x M12	80	65	51	23	M12	800	AJ3060M1265
60 x M16	80	65	51	23	M16	1000	AJ3060M1665
60 x M16	80	150	51	23	M16	1000	AJ3060M16150
60 x M20	80	100	51	53	M20	1000	AJ3060M20100
60 x M20	80	165	51	53	M20	1000	AJ3060M20165
90 x M12	60	65	51	25	M12	800	AJ3090M1265
90 x M16	60	65	51	25	M16	1000	AJ3090M1665
90 x M16	60	150	51	25	M16	1000	AJ3090M16150
90 x M20	60	100	51	25	M20	1000	AJ3090M20100
90 x M20	60	165	51	25	M20	1000	AJ3090M20165

### Bolt Down A-Justa-Foot Sizes - Stainless Steel

Size	Hole Centres (A)	Thread Height (B)	Base -Thread Height (C)	Base Height (D)	Thread (E)	Load Capacity	Code
40 x M8	60	80	33	20	M8	350	AJ3140M880
40 x M10	60	60	33	20	M10	500	AJ3140M1060
60 x M12	80	65	51	23	M12	800	AJ3160M1265
60 x M16	80	65	51	23	M16	1000	AJ3160M1665
60 x M16	80	165	51	23	M16	1000	AJ3160M16165
60 x M20	80	100	51	23	M20	1000	AJ3160M20100
60 x M20	80	165	51	23	M20	1000	AJ3160M20165
90 x M12	60	65	51	25	M12	800	AJ3190M1265
90 x M16	60	65	51	25	M16	1000	AJ3190M1665
90 x M16	60	165	51	25	M16	1000	AJ3190M16165
90 x M20	60	100	51	25	M20	1000	AJ3190M20100
90 x M20	60	165	51	25	M20	1000	AJ3190M20165

# A - Justa - Foot Fixed Foot

Suitable for loads up to 800kg



- A multi-adjustable pedestal foot, ideal for industrial, commercial, workshop or food industry applications
- A special insert base helps to absorb vibration, meaning your machinery will stay exactly where you put it
- Available in a large variety of sizes with mild or stainless steel threads

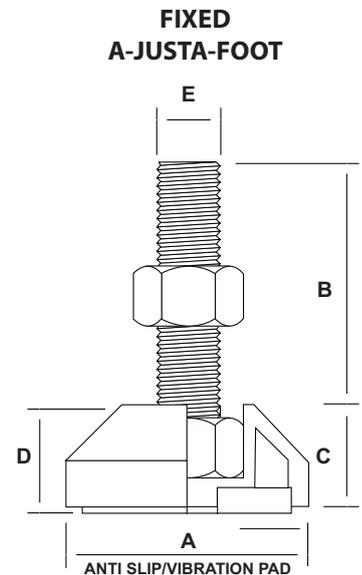
## Specifications & Fittings

### Fixed A-Justa-Foot Sizes - Mild Steel (Zinc Plated)

Size	Base Diameter (A)	Thread Height (B)	Base Height (D)	Thread (E)	Load Capacity (kg)	Code
40 x M8	40	35	20	M8	350	AJ4040M835
40 x M10	40	35	20	M10	500	AJ4040M1035
60 x M12	60	60	25	M12	800	AJ4060M1260

### Fixed A-Justa-Foot Sizes - Stainless Steel

Size	Base Diameter (A)	Thread Height (B)	Base Height (D)	Thread (E)	Load Capacity (kg)	Code
40 x M8	40	35	20	M8	350	AJ4140M835
40 x M10	40	35	20	M10	500	AJ4140M1035
60 x M12	60	60	25	M12	800	AJ4160M1260



# Square Threaded Tube Ends

- To complement the A-Justa-Foot range, inserts for square tube are available to fit light wall tubes. The inserts are designed especially so they can be turned down to fit heavier wall pipe and tube.

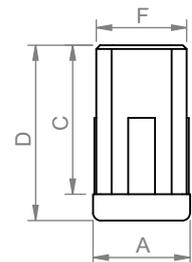
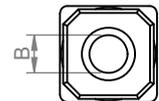
## Specifications & Fittings

### Square Threaded Tube End - Mild Steel (Zinc Plated)

Size	Overall Width (A)	Insert Width (F)	Thread (B)	Overall Length (D)	Insert Length (C)	Code
19 x M8	19	16	M8	24.8	22.5	AJ1019M8
25 x M8	25	23.5	M8	44	39	AJ1025M8
25 x M10	25	23.5	M10	44	39	AJ1025M10
25 x M12	25	23.5	M12	44	39	AJ1025M12
25 x M16	25	23.5	M16	44	39	AJ1025M16
30 x M8	30	26.8	M8	45	39	AJ1030M8
30 x M10	30	26.8	M10	45	39	AJ1030M10
30 x M12	30	26.8	M12	45	39	AJ1030M12
30 x M16	30	23.8	M16	45	39	AJ1030M16
32 x M8	32	30	M8	45	39	AJ1032M8
32 x M10	32	30	M10	45	39	AJ1032M10
32 x M12	32	30	M12	45	39	AJ1032M12
32 x M16	32	30	M16	45	39	AJ1032M16
35 x M8	35	32.2	M8	45	39	AJ1035M8
35 x M10	35	32.2	M10	45	39	AJ1035M10
35 x M12	35	32.2	M12	45	39	AJ1035M12
35 x M16	35	32.2	M16	45	39	AJ1035M16
38 x M8	38	36	M8	45	41	AJ1038M8
38 x M10	38	36	M10	45	41	AJ1038M10
38 x M12	38	36	M12	45	41	AJ1038M12
38 x M16	38	36	M16	45	41	AJ1038M16
40 x M10	40	36.8	M10	45	39	AJ1040M10
40 x M12	40	36.8	M12	45	39	AJ1040M12
40 x M16	40	36.8	M16	45	39	AJ1040M16
51 x M10	51	48	M10	47	39	AJ1051M10
51 x M12	51	48	M12	47	39	AJ1051M12
51 x M16	51	48	M16	47	39	AJ1051M16



SQUARE THREADED TUBE END



### Square Threaded Tube End - Stainless Steel

25 x M8	25	23.5	M8	44	39	AJ1125M8
25 x M10	25	23.5	M10	44	39	AJ1125M10
25 x M12	25	23.5	M12	44	39	AJ1125M12
25 x M16	25	23.5	M16	44	39	AJ1125M16
30 x M8	30	26.8	M8	45	39	AJ1130M8
30 x M10	30	26.8	M10	45	39	AJ1130M10
30 x M12	30	26.8	M12	45	39	AJ1130M12
30 x M16	30	26.8	M16	45	39	AJ1130M16
32 x M8	32	30	M8	45	39	AJ1132M8
32 x M10	32	30	M10	45	39	AJ1132M10
32 x M12	32	30	M12	45	39	AJ1132M12
32 x M16	32	30	M16	45	39	AJ1132M16
35 x M8	35	32.2	M8	45	39	AJ1135M8
35 x M10	35	32.2	M10	45	39	AJ1135M10
35 x M12	35	32.2	M12	45	39	AJ1135M12
35 x M16	35	32.2	M16	45	39	AJ1135M16
38 x M8	38	36	M8	45	41	AJ1138M8
38 x M10	38	36	M10	47	41	AJ1138M10
38 x M12	38	36	M12	47	41	AJ1138M12
38 x M16	38	36	M16	47	41	AJ1138M16
40 x M10	40	36.8	M10	45	39	AJ1140M10
40 x M12	40	36.8	M12	45	39	AJ1140M12
40 x M16	40	36.8	M16	45	39	AJ1140M16
51 x M10	51	48	M10	45	39	AJ1151M10
51 x M12	51	48	M12	45	39	AJ1151M12
51 x M16	51	48	M16	45	39	AJ1151M16
51 x M20	51	48	M20	45	39	AJ1151M20

# Round Threaded Tube End

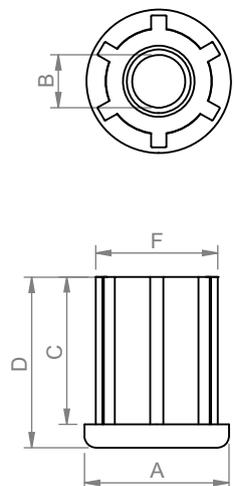


- To complement the A-Justa-Foot range, inserts for round tube are available to fit light wall tubes
- The inserts are designed especially so they can be turned down to fit heavier wall pipe and tube

## Specifications & Fittings

Round Threaded Tube End - Stainless Steel						
Size	Overall Width (A)	Insert Width (F)	Thread (B)	Overall Length (D)	Insert Length (C)	Code
25 x M8	25	23	M8	46.5	38	AJ8125M8
25 x M10	25	23	M10	46.5	38	AJ8125M10
25 x M12	25	23	M12	46.5	38	AJ8125M12
32 x M10	32	29.5	M10	45	39	AJ8132M10
32 x M12	32	29.5	M12	45	39	AJ8132M12
32 x M16	32	29.5	M16	45	39	AJ8132M16
38 x M10	38	35.5	M10	45	38	AJ8138M10
38 x M12	38	35.5	M12	45	38	AJ8138M12
38 x M16	38	35.5	M16	45	38	AJ8138M16
40 x M8	40	36.8	M8	45	39	AJ8140M8
40 x M10	40	36.8	M10	45	39	AJ8140M10
40 x M12	40	36.8	M12	45	39	AJ8140M12
40 x M16	40	36.8	M16	45	39	AJ8140M16
51 x M12	51	48	M12	45	38	AJ8151M12
51 x M16	51	48	M16	45	38	AJ8151M16
62 x M16	62	60.5	M16	45	38	AJ8162M16

ROUND THREADED TUBE END



# Square Long Threaded Tube End

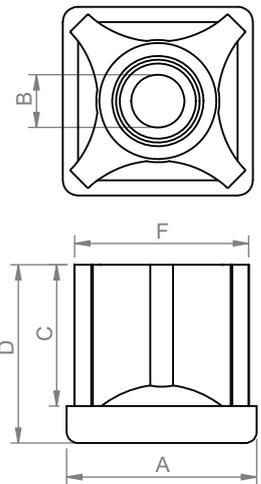
- To complement the A-Justa-Foot range, inserts for square tube are available to fit light wall tubes
- The inserts are designed especially so they can be turned down to fit heavier wall pipe and tube



## Specifications & Fittings

### Long Threaded Tube End

Size	Overall Width (A)	Insert Width (F)	Thread (B)	Overall Length (D)	Insert Length (C)	Code
19 x M8	19	16	M8	24.8	22.5	AJLTS19M8
25 x M10	25	23.5	M10	44	39	AJLTS25M10
25 x M12	25	23.5	M12	44	39	AJLTS25M12
32 x M10	32	30	M10	45	39	AJLTS32M10
32 x M12	32	30	M12	45	39	AJLTS32M12
38 x M10	38	36	M10	45	41	AJLTS38M10
38 x M12	38	36	M12	45	41	AJLTS38M12
38 x M16	38	36	M16	45	41	AJLTS38M16
40 x M10	40	36.6	M10	45	39	AJLTS40M10
40 x M12	40	36.6	M12	45	39	AJLTS40M12
51 x M10	51	48	M10	47	39	AJLTS51M10
51 x M12	51	48	M12	47	39	AJLTS51M12
51 x M16	51	48	M16	47	39	AJLTS51M16



# Round Long Threaded Round Tube End

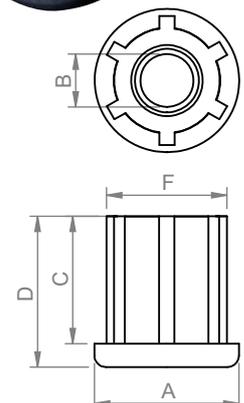
- To complement the A-Justa-Foot range, inserts for round tube are available to fit light wall tubes
- The inserts are designed especially so they can be turned down to fit heavier wall pipe and tube



## Specifications & Fittings

### Long Threaded Round Tube End

Size	Overall Width (A)	Insert Width (F)	Thread (B)	Overall Length (D)	Insert Length (C)	Code
25 x M12	25	23.5	M12	45	39	AJLTR25M12
32 x M10	32	29.5	M10	45	39	AJLTR32M10
32 x M12	32	29.5	M12	45	38	AJLTR32M12
38 x M10	38	35.5	M10	45	38	AJLTR38M10
38 x M12	38	35.5	M12	45	38	AJLTR38M12
51 x M12	51	48	M12	45	38	AJLTR51M12



**NEW**

# Locking Knobs



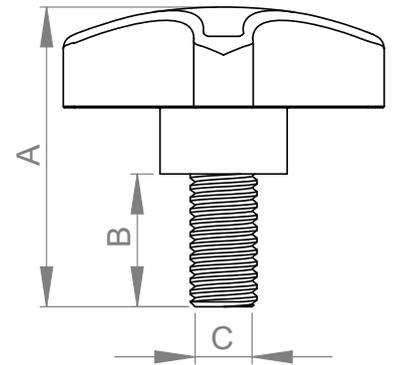
**LCKNOB.37**

A quick and easy way to ensure products remain firmly in place

Eliminates the need for spanners and bolts by simply twisting and tightening by hand

## Specifications & Fittings

Overall Size (mm) (A)	Thread Length (mm) (B)	Thread Type (C)	Code
47	19	5/16" BSW	LCKNOB.31
47	19	3/8" BSW	LCKNOB.37



**NEW**

# Levellising Feet



**LVELFT75.37**



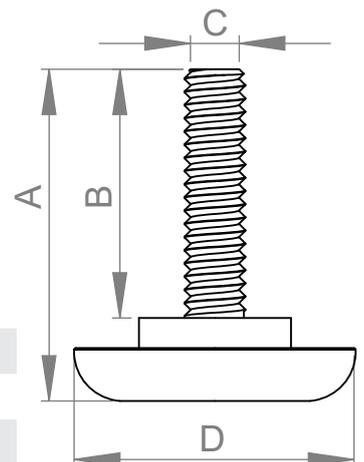
**LVELFT32.31**

Designed to simply screw into base frame, adjust as required to ensure product is mounted level.

Suitable for light duty applications only, for heavy duty applications please refer to the A-Justa-Foot range of products on pages 71 - 73

## Specifications & Fittings

Overall Height (mm) (A)	Thread Length (mm) (B)	Thread Type (mm) (C)	Base Diameter (mm) (D)	Load (kg)	Code
45	32	5/16" BSW	36	200	LVELFT32.31
43	30	3/8" BSW	37	200	LVELFT32.37
95	75	3/8" BSW	42	200	LVELFT75.37



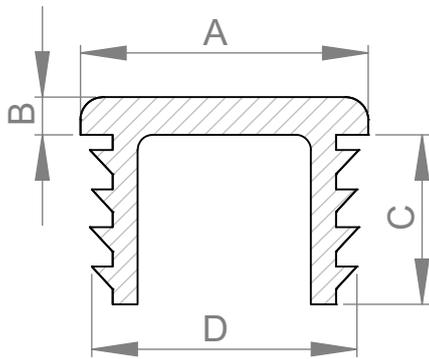
# Square Tube End Caps

**NEW**

- Inserts to fit light wall square tube
- Ribbed design for safe and secure fit
- Standard sizes listed, additional sizes available on request



**ENDCPSQ381.6**



## Specifications & Fittings

Overall Size (mm) (A)	Thickness (mm) (B)	Insert Length (mm) (C)	Insert Width (mm) (D)	Code
22	4	12	20	ENDCPSQ221.6
25	3	12	24	ENDCPSQ251.6
31	3	12	29.6	ENDCPSQ321.6
38	2.9	15.5	37.6	ENDCPSQ381.6

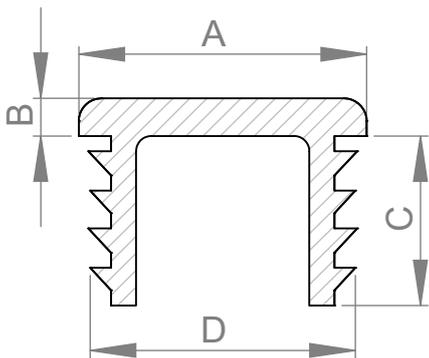
# Round Tube End Caps

**NEW**

- Inserts to fit light wall round tube
- Ribbed design for safe and secure fit
- Standard sizes listed, additional sizes available on request



**ENDCPRD381.6**



## Specifications & Fittings

Outer Diameter (mm) (A)	Thickness (mm) (B)	Insert Length (mm) (C)	Insert Width (mm) (D)	Code
22	4	12	20	ENDCPRD221.6
25	4	12	23	ENDCPRD251.6
32	4	12	29	ENDCPRD321.6
38	3	12	35	ENDCPRD381.6



**ROUND**



**SQUARE**

- Solid metal pintles are used to ensure castors are securely fastened into position. Solid pintles are maintenance free
- Threaded metal pintles are used when a variety of thread sizes are required
- Solid and Threaded metal pintles fit all of our pintle castors
- Other sizes available for quantity orders

WT = Wall Thickness    SHS = Square Hollow Section

## Specifications & Fittings

### EXPANDING PINTLES

Series	Pintle Code	Pintle Part Type
 <b>Shower Castors</b>	SSS12-P1	For 19mm ID Round Tube
	SSS12-P2	For 22mm ID Round Tube
	SSS12-P3	For 28.5mm Round Tube
	SSS12-P4	For 19mm ID Square Tube
	SSS12-P5	For 22mm ID Square Tube
	SSS12-P6	For 28.5mm Square Tube
 <b>Duraplas Series</b>	FGP10-P1	For 19mm ID Round Tube
	FGP10-P2	For 22mm ID Round Tube
	FGP10-P3	For 28.5mm Round Tube
	FGP10-P4	For 19mm ID Square Tube
	FGP10-P5	For 22mm ID Square Tube
	FGP10-P6	For 28.5mm Square Tube

### SOLID METAL PINTLE PARTS

Pintle Code	Pintle Part Type
P7	For 25mm ID Round Tube
P8	For 28.5mm ID Square Tube
P9	For 28.5mm ID Round Tube
P12	For 22mm ID Round Tube
P13	For 19mm ID Round Tube
P15	For 22mm ID Square Tube



**Solid**

### THREADED METAL PINTLE PARTS

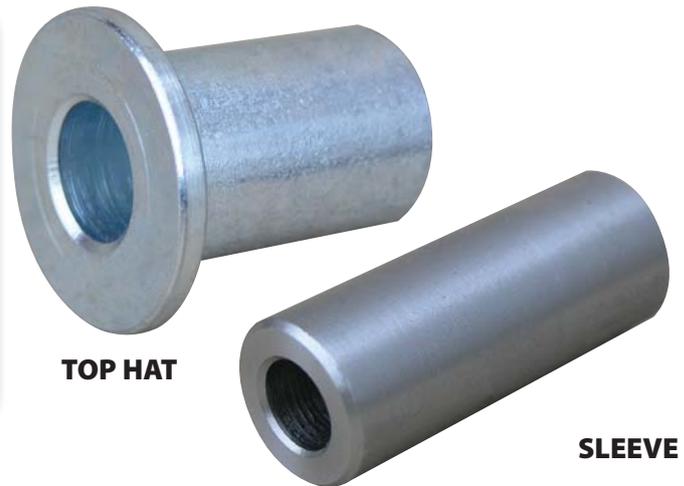
Pintle Code	Pintle Part Type
TH1	For 12mm Thread 28mm Long
TH2	For 16mm Thread 40mm Long
TH3	For 3/4" BSW Thread 16mm Long
TH4	For 1/2" UNF Thread 30mm Long
TH5	For 1/2" BSW Thread 40mm Long
TH6	For 5/8" UNF Thread 40mm Long



**Threaded**

# Sleeve & Top Hats

- Richmond have a range of Sleeves available. Sleeves are most commonly used inside roller bearing or plain bore wheels for castors
- Richmond have a range of Top Hats available to reduce precision bearing sizes
- Mild steel Axles are available from Richmond to suit Pneumatic wheel range. Axles are easily cut to length to suit application



**TOP HAT**

**SLEEVE**

## Specifications & Fittings

### Sleeves - Mild Steel

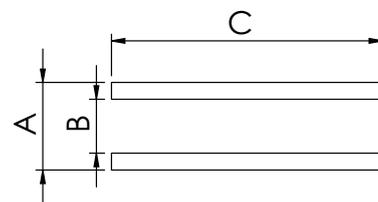
OD (A)	ID (B)	Length (mm) (C)	Code
3/4"	8mm	48.5	<b>MS/SL136</b>
3/4"	9.8mm	48.5	<b>MS/SL137</b>
3/4"	12mm	63.5	<b>MS/SL139</b>
20mm	12mm	62.2	<b>MS/SL140</b>
3/4"	1/2"	63.5	<b>MS/SL142</b>
3/4"	1/2"	101	<b>MS/SL143</b>
3/4"	1/2"	82	<b>MS/SL144</b>
20mm	1/2"	62.2	<b>MS/SL154</b>
3/4"	1/2"	48.5	<b>MS/SL159</b>
1/2"	3/8"	48	<b>MS/SL165UG</b>
11.95mm	8mm	47.5	<b>MS/SL171</b>
11.95mm	10mm	47.5	<b>MS/SL172</b>
20mm	10mm	48.5	<b>MS/SL184</b>
20mm	5/16"	46.2	<b>MS/SL185</b>
1/2"	3/8"	41	<b>MS/SL202</b>

### Sleeves - Stainless Steel

OD (A)	ID (B)	Length (mm) (C)	Code
3/4"	12.2mm	63.5	<b>SS/SL096</b>
1/2"	8mm	41	<b>SS/SL099</b>
1/2"	3/8"	49.5	<b>SS/SL101</b>
20mm	1/2"	63.5	<b>SS/SL105</b>
3/4"	1/2"	48.5	<b>SS/SL106</b>
3/4"	1/2"	63.5	<b>SS/SL107</b>
3/4"	5/8"	63.4	<b>SS/SL108</b>
7/8"	5/8"	63.5	<b>SS/SL109</b>
20mm	12mm	60.1	<b>SS/SL112</b>
12mm	8.1mm	46.2	<b>SS/SL114</b>
15mm	10mm	46.5	<b>SS/SL118</b>
18.5mm	10mm	48.5	<b>SS/SL120</b>



**MS/SL139**

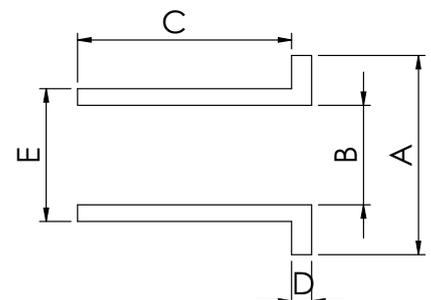


### Top Hats - Zinc Plated Mild Steel

OD	ID	Length (mm)	Code
1/2	3/8	20	<b>RED.5.375</b>
5/8	1/2	28.2	<b>RED.625.5</b>
20mm	1/2	29.1	<b>RED2012.8</b>
30mm	20mm	37.5	<b>RED3020</b>



**RED.5.375**



# Bearing & Axles



- Richmond can supply competitive pricing on all your Bearing and Axle requirements
- A full range of Fasteners including Bolts, Nuts and Washers available to suit all Castors. Richmond can supply fasteners in any quantity



## FLANGE BEARINGS

Diameter	Bore	Width	Code
1 1/4"	1/2"	5/16"	1/2BALLBR
1 7/8"	3/4"	7/16"	3/4BALLBR
2"	1"	7/16"	1BALLBR

**Other Flange Bearing sizes available on request. Contact your local Richmond store for full range and options**



## PRECISION BALL BEARINGS

1 1/8"	1/2"	5/6"	R822BRG
40mm	5/8"	12mm	6203/1022
40mm	3/4"	12mm	6203122RS
47mm	20mm	14mm	620422BRG
52mm	20mm	15mm	630422BRG
52mm	25mm	15mm	620422BRG
62mm	30mm	16mm	620622BRG

**Other Precision Ball Bearing sizes available on request. Contact your local Richmond store for full range and options**



## ROLLER BEARINGS

1 3/16"	3/4"	36mm	ROLLER1
1 3/16"	3/4"	46.5mm	ROLLER

**Other Roller Bearing sizes available on request**



## AXLES

Diameter	Length (mm)	Code
1/2"	900	AXLE1/2
5/8"	900	AXLE5/8
3/4"	900	AXLE3/4
1"	900	AXLE1

**Axles above 900mm in length can be cut to suit your requirements**

# Buffers

Manufactured from a non marking natural rubber these Round, Corner & D section buffers are a great way to protect doors, door jams & corridor walls. The round buffers are fitted onto a round / square RHS tube, corner & D section buffers are fitted by using self tapering screws

Used on Flat bed trolleys, mobile tables, Hospital beds & equipment

We can also manufacture different shapes & sizes in polyurethane to suit your requirements

Our engineering department will consult with you on your design



## Specifications & Fittings

### PVC ROUND BUFFERS - ROUND & SQUARE TUBE FITTING

Buffer Description	Measurement	Buffer Code
Round Buffer	Suit 25mm SQUARE x 125 DIA	BUFFER12
Round Buffer	Suit 25mm ROUND x 125 DIA	BUFFER13
Round Buffer	Suit 32mm ROUND x 125 DIA	BUFFER14

Fitted to Square or Round tubular trolley legs before castors, the buffer sits loosely on top of the castor, absorbing impacts and reducing damage.

### ROUND BUFFERS - ROUND & SQUARE TUBE FITTING

Buffer Description	Measurement	Buffer Code
Round Buffer	Suit 25mm SQUARE x 125 DIA	BUFFER02
Round Buffer	Suit 25mm ROUND x 125 DIA	BUFFER06

Fitted to Square or Round tubular trolley legs before castors, the buffer sits loosely on top of the castor, absorbing impacts and reducing damage.

### CORNER BUFFERS

Buffer Description	Measurement	Buffer Code
Small Corner Buffer	50mm x 19mm	BUFFER04
Medium Corner Buffer	65mm x 25mm	BUFFER05
Large Corner Buffer	75mm x 25mm	BUFFER01

Corner Buffers are fitted to the square edges of new or existing trolleys to cushion impact against walls and doors.

### D SECTION BUFFER

Buffer Description	Measurement	Buffer Code
D Section Buffer	20mm x 30mm W X 7 MTR	BUFFER07

D Section buffers are used to run along trolley edges between corner buffers



**BUFFER12 with dress cap**



**BUFFER02**



**BUFFER05**



**BUFFER07**

# Wheels & Castor Product Guide

Things to look for when choosing your products

## 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.

## Bearings

<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 groove 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

## Load Ratings

Our load capacities are based upon ideal / average working conditions. These ratings are for normal use. If the castors or wheels are in continuous use (e.g. as 24 hour a day drive wheels) these ratings would have to be downgraded. **Ideal** load ratings mean that the floor must be smooth and there is no chance of overloading the castor. **Average** load ratings are used when conditions are not perfect (i.e. probably on most sites where castors are used). It may be necessary to underate castors to ensure ease of use, especially under harsh conditions. Our castors are tested on a concrete floor free of door sills, breaks, rails etc and capacities are based on ‘hand operation’ except where otherwise designated.

## Dimensions

All dimensions in this catalogue are approximate. They are subject to change without notice, especially due to improvements or new designs. Please contact us for information relevant to your own needs.

## Castor Selection

There are many questions to consider when choosing a castor:

How much load will it carry? Will there be shock loads?

What is the condition of the running surface? How often is the castor in operation?

Will the castor be towed and if so at what speed? Do height restrictions apply?

How easily must the load be moved and does the floor need protection?

Is wheel noise likely to be a problem? Is the wheel in danger from a harsh environment?

How must the castors be mounted and is the mounting strong enough?

**Our staff can help you answer all these questions and more! phone us if you have any queries.**

## 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

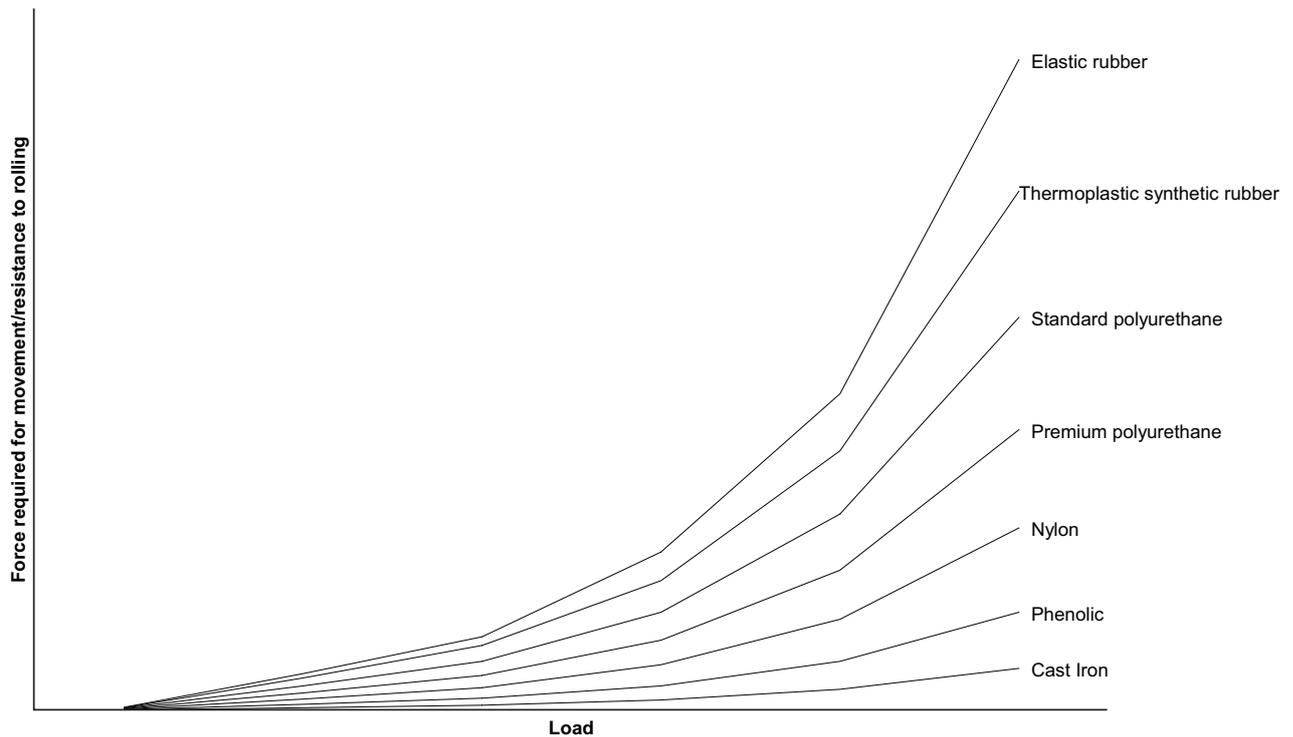
**Swivel Lock & Brake:** Simultaneously brakes the wheel and locks the swivel in any direction

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

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

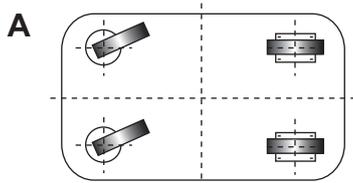
# Rolling Resistance

## FORCE REQUIRED FOR MOVEMENT



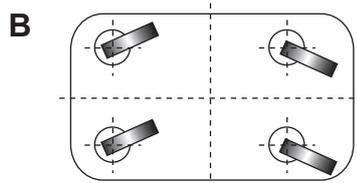
NOTE: Graph provides relative differences between wheel types assuming 150mm diameter wheels with precision ball bearings. Detailed advice can be given on request as many other factors need to be taken into account.

## Castor Mounting options



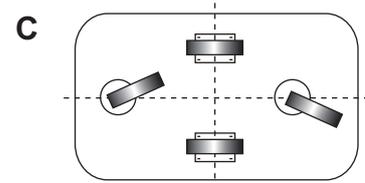
### Swivel castors / fixed castors

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



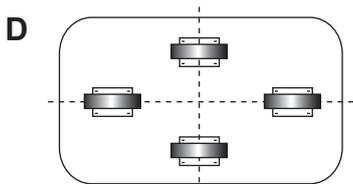
### Swivel castors

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.



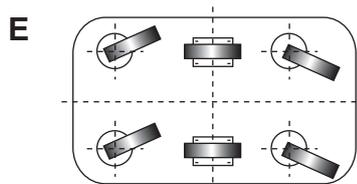
### Swivel castors / fixed castors

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.

## Wheels



## Engineering



## Conveyors



## Accessories



## Polyurethane



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