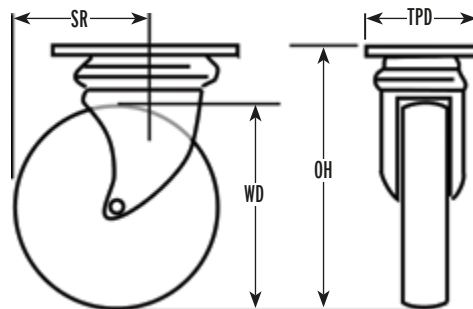


CASTORS

Castor Selection Always choose the largest wheel diameter that you can. Large wheels help reduce rolling resistance and can cope with rougher surfaces. The wheel types of the castors that Flints stocks are shown on the table below and overleaf.

Castor Loading On a platform fitted with four castors take the weight of the platform and the load it is carrying [evenly distributed] and divide by three to take into account uneven surfaces etc. If the platform is carrying actors then you will have to assume the worst case: that the actors will all be standing on one corner of the platform and so EACH castor will have to take the entire load with an added margin for safety.

WD = Wheel Diameter
OH = Overall Height
SR = Swivel Radius
TW = Tread Width
TPD=Top Plate Dims



All measurements are in millimetres

Wheel Type	For	Against	Typical Use
Polypropylene [PP]	Economical and non-marking	Too noisy for use during performance	Small items of furniture, small boxes, light trucks
Grey Rubber	Cheap, quiet, non-marking, floor protecting	Light duty use only	Light trucks and furniture used during performance

LIGHT-DUTY CASTORS



50 mm Swivel



50 mm Swivel Braked



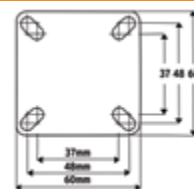
50 mm Fixed



50 mm Swivel Bolt-hole



50 mm Swivel Braked Bolt-hole



Top Plate 75 mm Swivel



75 mm Polypropylene Wheel



75 mm Rubber Wheel

Light-Duty Castors This range of industrial castors all have pressed steel top plates with plain bearings. Wheels are polypropylene, or a quiet non-marking rubber tyre on plastic with a steel core. The Swivel Bolt-hole and Swivel Braked Bolt-hole castors have either a 10 mm or 12 mm bolt-hole. Use the Expanders below to fit them to all types of trolley.

This page
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Light-Duty Castors	type	WD load [kg]		OH	SR	TW		wt [kg]		TPD	centres		offset	code	price	code	price	
		PP	rubber			PP	rubber	PP	rubber		median	bolt Ø						PP
50 WHEEL DIAMETER	Swivel	50	40 50	73	50	20	17	0.20	0.20	50 x 50	35 x 35	10	25	CASLD50NS	£3.20	CASLD50RS	£3.20	
	Swivel Braked	50	40 50	73	73	20	17	0.22	0.22	50 x 50	35 x 35	10	25	CASLD50NB	£3.90	CASLD50RB	£3.90	
	Fixed	50	40 50	73	-	20	17	0.19	0.19	50 x 50	35 x 35	10	-	CASLD50NF	£3.10	CASLD50RF	£3.10	
	Swivel Bolt-hole	50	- 40	71	50	-	17	-	0.20	-	-	-	10	25	-	-	CASLD50RSBT	£3.50
	Swivel Braked Bolt-hole	50	- 40	71	73	-	17	-	0.22	-	-	-	10	25	-	-	CASLD50RBBT	£5.00
75 WHEEL DIAMETER	Swivel	75	50 50	100	69.5	21	21	0.23	0.33	60 x 60	43 x 43	10	32	CASLD75NS	£4.16	CASLD75RS	£4.16	
	Swivel Braked	75	50 50	100	90	21	21	0.26	0.35	60 x 60	43 x 43	10	32	CASLD75NB	£5.00	CASLD75RB	£5.00	
	Fixed	75	50 50	100	-	21	21	0.22	0.32	60 x 60	43 x 43	10	-	CASLD75NF	£4.00	CASLD75RF	£4.00	
	Swivel Bolt-hole	75	- 50	95	69.5	-	21	-	0.30	-	-	10	32	-	-	CASLD75RSBT	£5.38	
	Swivel Braked Bolt-hole	75	- 50	95	90	-	21	-	0.32	-	-	10	32	-	-	CASLD75RBBT	£6.50	
100 WHEEL DIAMETER	Swivel Bolt-hole	100	- 80	128	88	-	27	-	0.60	-	-	12	38	-	-	CASLD100RSBT	£8.13	
	Swivel Braked Bolt-hole	100	- 80	128	105	-	27	-	0.70	-	-	12	38	-	-	CASLD100RBBT	£9.00	

Expanders for 12 mm Bolt-Hole castors come with a reducer washer.



Round Bolt

Square Bolt

Inserts for Bolt-Hole Castors These expanders can be fitted to any single bolt-hole castor. Use for round or square tubing on all types of trolley. All the expanders have a 10 mm bolt. The 50 mm and 75 mm Ø bolt-hole castors above have a 10 mm threaded hole and will fit perfectly. Meanwhile, the 100 mm Ø bolt-hole castors above have a 12 mm threaded hole and the 12 mm extender will come as a kit with a reducer washer to ensure a snug fit.

Expanders for Bolt-Hole Castors			round code	price	square code	price	round code	price	square code	price
fits tubes	height	weight	fits 10 mm thread		fits 10 mm thread		fits 12 mm thread		fits 12 mm thread	
21.5 - 24	90	0.11	CASER24	£3.50	CASES24	£3.50	CASER24K	£3.50	CASES24K	£3.50
24 - 27	90	0.11	CASER27	£3.50	CASES27	£3.50	CASER27K	£3.50	CASES27K	£3.50
27 - 30	90	0.11	CASER30	£3.50	CASES30	£3.50	CASER30K	£3.50	CASES30K	£3.50

Wheel Type	For	Against	Typical Use
Nylon	Cheap, very strong, clean, non-marking, light	Too noisy for use during performance.	Slave trucks, scaffolding castors, heavy-duty storage trolleys not used during performance
Polyurethane [Revvothane] on cast iron	Quiet, high tear strength, 10 times the working life and 3 times the load carrying of rubber, low rolling resistance, excellent recovery from static periods	Expensive	All uses but especially heavy scenery used during performance
Blue elastic rubber	Soft, very quiet, non-marking, floor protecting	Limited range from stock	Typically used as flight case castors
Black rubber on plastic	Cheap, quiet, floor protecting, medium-duty	May leave marks	Medium weight trucks where the budget is tight
Black polyurethane [PU]	Soft, very quiet, non-marking, floor protecting	The softer wheel adds a little rolling resistance	All performance stage use especially when the wheels may be seen and silence is required

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MEDIUM TO HEAVY-DUTY CASTORS



100 mm Swivel



100 mm Swivel Braked



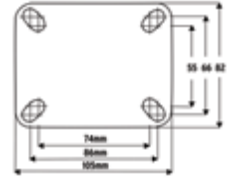
100 mm Fixed



80 mm Nylon Wheel



80 mm Polyurethane Wheel



Top Plate 80 mm, 100 mm Swivel

Medium to Heavy-Duty Castors This range of industrial castors all have pressed steel top plates. The wheels are either nylon with plain bearings, or a tough polyurethane [PU] tyre on cast iron with ball bearings. To decide which one to choose have a look at the table above.

Medium to Heavy-Duty Castors		WD load [kg]		OH	SR	TW		wt [kg]		TPD	centres		offset	code	price	code	price	
type		nylon PU				nylon PU		nylon PU			median	bolt Ø		nylon		PU		
80 WHEEL DIAMETER	Swivel	80	200	200	106	77.5	35	30	0.56	0.90	105 x 85	80 x 60	10	37.5	CASMD80NS	£7.88	CASMD80PS	£22.50
	Swivel Braked	80	200	200	106	125	35	30	0.70	1	105 x 85	80 x 60	10	37.5	CASMD80NB	£10.50	CASMD80PB	£24.48
	Fixed	80	200	200	106	-	35	30	0.33	0.65	105 x 85	80 x 60	10	-	CASMD80NF	£7.25	CASMD80PF	£20.79
100 WHEEL DIAMETER	Swivel	100	200	220	128	90	35	38	0.65	2.2	105 x 85	80 x 60	10	40	CASMD100NS	£8.25	CASMD100PS	£22.86
	Swivel Braked	100	200	220	128	125	35	38	0.75	2.4	105 x 85	80 x 60	10	40	CASMD100NB	£10.88	CASMD100PB	£25.20
	Fixed	100	200	220	128	-	35	38	0.55	1.7	105 x 85	80 x 60	10	-	CASMD100NF	£7.75	CASMD100PF	£21.42

REVVO SERIES 4 MEDIUM TO HEAVY-DUTY CASTORS



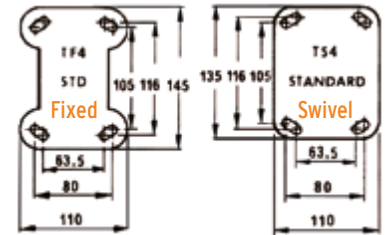
75 mm Swivel Revvothane



75 mm Fixed Revvothane



125 mm Swivel Braked Nylon



Revvo Series 4 Pressed steel top plate castors that reliably cope with all but the heaviest of stage loads. Swivel heads have a single ball bearing. Wheels have plain bearings and are either nylon, or a Revvothane tyre on cast iron. The brake locks both wheel and swivel with an easy-to-use foot lever which trails the direction of the travel. Fabricated castors for very heavy duties can be quickly supplied – please phone for a quotation. If you require the wheel and swivel lock to remain in a fixed position please see the Fixed Position Brake Castors [page 224].

Revvo Series 4		WD load [kg]		OH	SR	TW		wt [kg]		TPD	centres		code	price	code	price	
type		nylon Revvothane				nylon Revvothane		nylon Revvothane			median	bolt Ø	nylon		Revvothane		
75 WHEEL DIAMETER	Swivel	75	160	175	114	73	35	25	0.95	1.39	135 x 110	105 x 80	10	CAS132	£15.12	CAS131	£30.22
	Fixed	75	160	175	114	-	35	25	0.53	0.95	145 x 110	105 x 80	10	CAS032	£10.08	CAS031	£24.78
100 WHEEL DIAMETER	Swivel	100	225	250	139	91	35	29	1.02	1.69	135 x 110	105 x 80	10	CAS140	£16.76	CAS141	£35.41
	Swivel Braked	100	225	250	139	91	35	29	1.20	1.91	135 x 110	105 x 80	10	CAS140L	£31.51	CAS141L	£50.16
	Fixed	100	225	250	139	-	35	29	0.61	1.27	145 x 110	105 x 80	10	CAS040	£11.10	CAS041	£29.74
125 WHEEL DIAMETER	Swivel	125	250	265	164	105	35	32	2.03	2.50	135 x 110	105 x 80	10	CAS157	£19.84	CAS154	£43.70
	Swivel Braked	125	250	265	164	105	35	32	2.30	2.78	135 x 110	105 x 80	10	CAS157L	£34.59	CAS154L	£58.34
	Fixed	125	250	265	164	-	35	32	1.34	1.89	135 x 110	105 x 80	10	CAS057	£14.14	CAS054	£38.01

BLACK THEATRE CASTORS

WHEEL DIAMETER
35



35 mm Swivel



35 mm Swivel Braked



35 mm Fixed

Low Level 35 mm Black Castors Neat, well-designed theatre castors, attractive enough for other uses like furniture making. Black sheet steel frames with a double ball race in the swivel head for smooth movement. Wheels are black polyurethane on a solid aluminium core with ball bearings. They are a hard-wearing 92A on the Shore scale.

- ✓ Discreet – only 52 mm high
- ✓ Non-marking
- ✓ Hard-wearing
- ✓ German quality

Low Level Black Castors	WD	max load	OH	TW	weight	TDP	hole centres	offset	code	price
Swivel	35	100 kg	52	27	0.27 kg	60 x 60	38 x 38 / 47 x 47	15	CAS35KUPL	£18.45
Swivel Braked	35	100 kg	52	27	0.28 kg	60 x 60	38 x 38 / 47 x 47	15	CAS35KUPLB	£25.00
Fixed	35	100 kg	52	27	0.23 kg	60 x 60	38 x 38 / 47 x 47	15	CAS35KUPLF	£16.56



75 mm Single Wheel Swivel



75 mm Single Wheel Swivel Braked



75 mm Single Wheel Fixed



75 mm Double Wheel Swivel Braked

WHEEL DIAMETER
75

Super Quiet Light-Duty Black Castors The frames are black sheet steel with double ball races in the swivel head. They are fitted with polyurethane tyres on a tough nylon hub with ball bearings giving super smooth running. The wheels are exceptionally quiet and non-marking, even on dance floors. Soft 80A on the Shore scale. The braked version locks both the wheel and the swivel. Available in a single or double wheel version.

- ✓ Non-marking – even on dance floors
- ✓ Great choice for all light loads
- ✓ German manufacturing quality

Super Quiet Black Castors	WD	max load	OH	TW	weight	TDP	hole centres	offset	code	price
Single Wheel Swivel	75	60 kg	100	23	0.38 kg	60 x 60	38 x 38 / 46 x 46	28	CAS7523N	£13.10
Single Wheel Swivel Braked	75	60 kg	100	23	0.43 kg	60 x 60	38 x 38 / 46 x 46	28	CAS7523NB	£15.14
Double Wheel Swivel	75	80 kg	100	23	0.62 kg	60 x 60	38 x 38 / 46 x 46	28	CAS7523ND	£23.83
Double Wheel Swivel Braked	75	80 kg	100	23	0.66 kg	60 x 60	38 x 38 / 46 x 46	28	CAS7523NDB	£26.15
Single Wheel Fixed	75	60 kg	100	23	0.30 kg	60 x 60	38 x 38 / 46 x 46	28	CAS7523NF	£14.69

WHEEL DIAMETER
75



Super Quiet Black Scene Shifter [up to 240 kg] Choose these units for very quiet and easy moving trucks which will glide silently across the stage. Frame of black sheet steel with double ball races at the swivel head. They are fitted with three sets of twin wheels with polyurethane tyres on a tough nylon hub with ball bearings giving super smooth running. The black wheels have a slightly softer Shore rating than most castors at 80A which not only keeps the noise right down but helps to prevent any marking on dance floors.

Hush!
Whisper
quiet

- ✓ Super quiet
- ✓ Non-marking
- ✓ Low friction
- ✓ German quality

Super Quiet	WD	max load	OH	TW	SR	weight	TPD	hole centre	code	price
	75	240 kg	125	2 x 20	70	4.40 kg	115 x 85	80 x 60	CAS7523T	£99.95

£
✓

WHEEL DIAMETER
100



100 mm Swivel



100 mm Swivel Braked

Heavy-Duty Black Euro Castors These tough castors represent fantastic value and would be the perfect choice for the majority of stage uses. The extra tough steel frame is finished in black. The swivel head has double ball races. The wide wheel has black polyurethane tyres on a black cast iron hub with twin ball races. The castor has been developed to be a main workhorse of European theatre stages. Available as a swivel castor or a swivel castor with wheel and swivel brake. They are a hard-wearing 92A on the Shore scale.

Best value
tough theatre
castor

- ✓ Real value for a very tough castor – 350 kg loading for well under half the price of lower rated castors
- ✓ All-black frame, wheel and tyre
- ✓ Definitive choice for most theatre trucks
- ✓ Assembled in Germany

Heavy-Duty Black Euro Castors	WD	max load	OH	TW	SR	weight	TPD	hole centres	offset	code	price	20+
Swivel	100	350 kg	125	40	95	1.60 kg	140x 110	105 x 80	48	CAS80BEC	£19.86	£16.88
Swivel Braked	100	350 kg	125	40	145	2.20 kg	140x 110	105 x 80	48	CAS80BECB	£26.99	£22.92

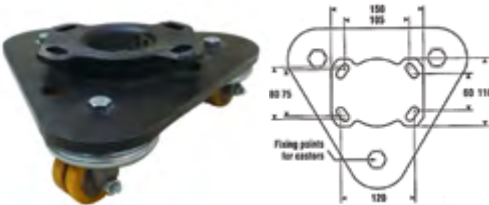
SCENE SHIFTERS [TURTLES]

Scene Shifters [Turtles]

These castors solve the various problems that can be encountered when using traditional swivel castors. They permit heavy trucks to change rolling direction, even from stationary, without having to exert the extra effort normally needed to change wheel direction. They allow trucks to enter from the wings, stop centre stage, and leave upstage. The triple wheels also spread the load over a larger stage area reducing the problems caused by high point loads on soft floors. They can really help when trying to align trucks ready for bolting-up when the height inaccuracies, caused by high point loading on spongy stages, often cause delays to scene changes as staff are required to fetch crow bars to level up the trucks. Finally, they make good track jumpers. Flints stocks four types of turtles [see Black Scene Shifter on previous page] and sell them at prices well below list. We also stock the pneumatic Hebewunder lifting castors which allow the scenery trucks to sit firmly on the stage and lift to move.

LOW LEVEL SCENE SHIFTER [TO 360 KG]

WHEEL DIAMETER
50



Low Level Scene Shifter [up to 360 kg] Choose this for heavy trucks which require a low overall height for sightline and access purposes. Top plate with twin wheels with polyurethane tyres on a cast iron hub with plain bearings. This is the same basic unit as the Standard Scene Shifter below but fitted with low level twin wheeled castors.

Low Level	WD	max load	OH	SR	TW	weight	code	list	Tradeline
	50	360 kg	96	154	2 x 14	8.20 kg	CAS601	£199.26	£149.08

MINI SCENE SHIFTER [LIGHT-DUTY TO 300 KG]

WHEEL DIAMETER
35



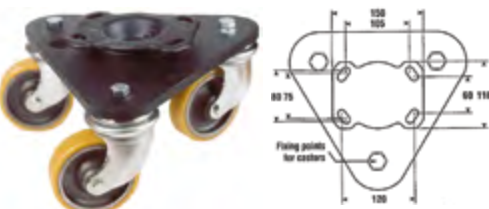
Mini Scene Shifter [up to 300 kg] Very popular units which are ideal for smaller sized trucks. The smaller swivel radius helps to keep the wheels nearer to the edge of the truck and thus improve the stability. Although reduced in size, these Scene Shifters will take very high loads. Mini 35 mm wheels with polyurethane tyres on plastic hub with ball bearings.

- ✓ Help to improve stability
- ✓ Very low overall height
- ✓ Lightweight

Mini	WD	max load	OH	SR	TW	weight	code	list	Tradeline
	35	300 kg	85	95	28	1.80 kg	CASMINISS	£109.20	£86.59

STANDARD SCENE SHIFTER [HEAVY-DUTY TO 460 KG]

WHEEL DIAMETER
100



Standard Scene Shifter [up to 460 kg] This is the main workhorse of the Scene Shifter series. Fitted with tough but quiet 100 mm wheels with polyurethane tyres on a cast iron hub with plain bearings. Choose this for all general and heavy-duty uses.

Standard	WD	max load	OH	SR	TW	weight	code	list	Tradeline
	100	460 kg	168	218	29	11.80 kg	CAS602	£191.27	£143.08

HEBEWUNDER

WHEEL DIAMETER
50



This gizmo uses compressed air to lift scenery over 40 mm.

Hebewunder [up to 400 kg] The Hebewunder is the perfect choice of castor to move heavy scenic trucks around the stage. Probably the biggest advantage of using the Hebewunder over braking castors is the fact that the truck will sit firmly on the floor when it is lowered into place. This ensures a well spread load and therefore great stability with no chance of accidental movement. Leaving built scenic pieces on braked castors during performance can result in the floor flexing due to the high point loading. This could translate into "wobbly scenery" from the audience's point of view or delayed scene changes because of the difficulty to marry up bolt holes or fixings. Each Hebewunder can lift 400 kg by means of compressed air. The triple swivel castors have the advantages of ensuring a minimal offset for easy initial rolling, good load spreading and excellent track jumping capabilities. The 50 mm castors employed on these units have solid aluminium wheels fitted with bearings and 92° Shore Vulkollan tyres. This allows great load bearing while maintaining a useful low overall height. Flints can supply all the accessories necessary to connect the units, a few are listed below, the rest and more info can be found in the Castors Appendix in the Our Catalogue section of our website.

load spreading and excellent track jumping capabilities. The 50 mm castors employed on these units have solid aluminium wheels fitted with bearings and 92° Shore Vulkollan tyres. This allows great load bearing while maintaining a useful low overall height. Flints can supply all the accessories necessary to connect the units, a few are listed below, the rest and more info can be found in the Castors Appendix in the Our Catalogue section of our website.

Hebewunder	WD	load [kg]	OH	SR	TW	wt [kg]	TPD	holes	code	price			
	50	400	min 147	max 188	250	40	9	width 220	length [includes air supply] 330	centres 180 x 150	Ø 11.5	CASHW50	£289.95

Why not take a look at the Castors Appendix: Hebewunder Castor in the Our Catalogue section of our website?



3-way Valve

25 m Air Hose

T-Connector

Hebewunder Accessories	code	price
3-way Valve 1/8"	CASHW3W	£44.04
Air Hose 6x4 25 m	CASHWHO	£15.70
Connector 1/8"	CASHWCO	£1.97
Silencer	CASHWSI	£2.09
T-Connector	CASHWTC	£3.95

LOW LEVEL CASTORS



Low Level Single Wheel Swivel Castor A popular and very useful single bolt-fixing castor with a quiet polyurethane tyre and an overall height of just 59 mm. These are the same wheels used on the Mini Scene Shifter. They are supplied complete with an M10 Allen bolt leaving 20 mm of protruding thread.

Low Level Single Swivel Castors	WD	load	OH	SR	TW	code
	35	100 kg	59	33	28	CAS295S

TRADELINE

Low Level Single Wheel	CAS295S
List £12.00	our price £9.99



Low Level Twin Wheel Swivel Castors If you need to move heavy weights but have restricted height these tough units with polyurethane tyres on cast iron wheels are ideal. We have now introduced a more economical version with nylon wheels for use when noise is not an issue.

Low Level Swivel Castors	WD	load	OH	SR	TW	code
Polyurethane tyre on cast iron	50	160 kg	64	50	2 x 14	CAS295
Nylon	50	160 kg	64	50	2 x 14	CAS295N

TRADELINE

Polyurethane on cast iron	CAS295
List £35.14	our price £29.00
Nylon wheels	CAS295N
List £18.69	our price £15.89



Flying Saucer [Ball transfer unit] If you can't even fit in a low level swivel then these may help, but be careful on soft floors as they exert a very high point pressure which can cause damage. The units are really designed to be mounted facing upwards as transfer units for crates and boxes.

Flying Saucer	max load	OH	code	price
	25 kg	30	CAS710	£3.68



This characterful Icelandic Tractor has a lovely set of wheels but they may be a little bit noisy.



Front view of the swivel version.

Lo-Line®

Very Low Level Heavy-Duty Castor

Every now and again you come across some products of such brilliance that you wonder how you ever managed without them. These castors designed by the legendary Mike Barnett solve the age-old problem of theatre trucks having to be 150 mm high just to accommodate decent castors. Now, with a bit of ingenuity, you can build a truck just 40 mm high with a weight loading on each swivel Lo-Line® unit of up to 350 kg! These ingenious units use 130 mm diameter steel wheels canted over so that the overall height is just 34 mm. Fitted with special deep grooved ball bearings which are sealed for life. The 16 mm thick top plate can be welded or drilled and tapped to secure the units to your trucks. Available in four types. Copyright: M.Barnett.

Sheer genius, creative ingenuity

- ✓ Solves sightline problems from front row seats
- ✓ Just 34 mm overall height!
- ✓ Great track jumpers
- ✓ Use the fixed version along revolve rims
- ✓ Useful for low level slave pallets
- ✓ Takes up to 350 kg [175 kg for fixed units]
- ✓ Both wheels together provide a tread width of 70 mm



Top view of the fixed version.

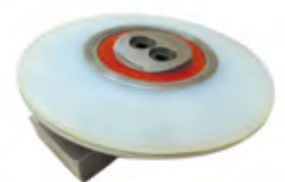
These units can be used on any truck running in a straight line or on pivot trucks with the units aligned in line with the pivot point. In particular they are perfect for use around the rims of revolves, allowing heavy-duty revolves, and their surrounds, to be very low profile sometimes enabling the front row to actually see the floor! Also available in a quieter version with replaceable nylon inserts.

For Dollies and Material Handling Products see our special section, pages 337 - 338

Lo-Line® Fixed	code	Tradeline					
max load	WD	OH	TW	wt			
175 kg	130	34	35	1.25 kg	CASMBLLCF	£60.35	
Nylon insert version	175 kg	130	34	35	1.25 kg	CASMBLLCNF	£91.60



Top view of the swivel version



Upside down view of nylon version.

Swivel Version For all stage use. Also available in a quieter version with replaceable nylon inserts in the wheels.

Lo-Line® Swivel	code	Tradeline						
max load	WD	OH	SR	TW	wt			
350 kg	130x2	34	140	70	4.25 kg	CASMBLLC	£199.00	
Nylon insert version	350 kg	130x2	34	140	70	4.25 kg	CASMBLLCN	£249.00

FLIGHT CASE CASTORS

WHEEL DIAMETER
100



Set of great flight case castors for £30.90

Flight Case Castors These rugged top quality castors have blue elastic rubber tyres which are quiet and non-marking. Ideal for flight cases but also useful whenever noise is a concern. Fitted with roller bearings.

*NB: The fixed version has a 3 mm height difference.

Top plate: 105 x 80 mm. Bolt centres: 80 x 60 mm. Fixings: 4 off M8.

Flight Case Castors	max load	WD	OH	SR	wt	code	price
Swivel	150 kg	100	125	85	460 g	CAS3470	£9.50
Swivel braked	150 kg	100	125	85	460 g	CAS3477	£10.95
Fixed	150 kg	100	128*	85	460 g	CAS3478	£8.75

TRADELINE

Buy set of four - two swivel & two braked
CAS347K £30.90

FIXED POSITION BRAKES

WHEEL DIAMETER
80



A problem solved!

Fixed Position Brake Castor Generally, the foot-operated brakes on swivel castors swivel with the wheel so they trail the direction of travel. If the wheels are easily accessible this is not generally too

much of a problem, especially if only two brakes are needed.

Runner-up ABTT Widget of the Year 2013

However, stage trucks are generally designed to hide the castors from the audience making access to the brakes very difficult. If the truck needs positioning in view of the audience it can get messy!

These castors are designed to avoid this familiar problem. The foot-operated lever brake will lock off both the wheel and swivel but it remains fixed to the top plate. Your carpenters or metal fabricators will be able to position the castor so the lever neatly protrudes from the rear of the truck. A little bit of luminous tape on the lever and your trucks can be swiftly locked off even in a quick blackout. German manufacture. Top plate size: 135 x 105 mm. Bolt centres: 105 x 80 mm. 88° Shore.

Fixed Brake Castor	max load	WD	OH	SR	wt	code	price
	250 kg	80	125	85	2.25 kg	CASFPB	£99.95

SCAFFOLD CASTORS

WHEEL DIAMETER
125

125 mm Braked version with foot operated lever.

HIRE

WHEEL DIAMETER
125

WHEEL DIAMETER
150



Fits directly into standard scaffold tube

125 mm Unbraked version with wind-in bolt.

Scaffold Castors	max load	WD	OH	[ex plug]	plug sizes	SR	TW	wt	code	list	price
Unbraked	225 kg	125	159	ex plug	64 x 38.35	105	35	1.26 kg	CAS313	£34.74	£28.41
Braked	225 kg	125	159	ex plug	64 x 38.35	105	35	1.80 kg	CAS313L	£42.87	£35.08
Braked	500 kg	150	200	ex plug	127 x 38.1	129	45	3.90 kg	CAS314L	£84.43	£68.93

Unfortunately these castors have been discontinued by the current manufacturer, and there is no remaining stock of the unbraked 500 kg version. We are currently resourcing them so check back!

PLATE SKATES

WHEEL DIAMETER
150

WHEEL DIAMETER
150

WHEEL DIAMETER
150



Plate Skates These useful devices will grip panels up to 56 mm thick and take loads of 250 kg on their strong 150 mm Ø wheels. Ideal for moving heavy flattage or sheets of ply from lorries or around stage. Just use one in the centre of the panel and the crew can manoeuvre heavy items with ease.

Dimensions can be found on page 337.

Plate Skates	max load	WD	OH	TW	wt	code	price
	250 kg	150	225	40	4.20 kg	CASPS15056	£60.90

ROLLERS

WHEEL DIAMETER
50

Now black!



Nylon Rollers A useful range of small but heavy-duty nylon rollers. For convenience each size has the same hub width and diameter bore. The rollers are fitted with two ball races with side shields making them

very free-running and quiet. The special feature is that they can be ordered with either a plain face, a V groove, or a round groove.

Ideal for constructing heavy-duty travellers, small lifts, under-stage tracking, etc. The V-grooved rollers will run smoothly on inverted angle iron tracks. Trucks will self-centre if there is any width discrepancy between the tracks whereas flanged wheels running on square tracks may bind and screech.

Nylon Rollers	WD	bore	hub width	wt	code	price
Plain	50	10	25	80 g	FHSN050P	£12.95
Round groove	50	10	25	60 g	FHSN050R	£12.95
V groove	50	10	25	60 g	FHSN050V	£12.95

See also Black Nylon Bow Rollers on page 199

WHEEL DIAMETER
38



Counterweight Cradle Roller 38 mm Ø runner in acetal with a quiet polyurethane tyre. 1/2" plain bore. 18 mm tread width. Counterbored one side only to 3 mm deep x 23.8 mm diameter. Fits many Hall Stage cradles.

Counterweight Roller	WD	bore	TW	code	price
	38	1/2"	18	CASCCR	£6.04

Scaffold Castors Flints stocks the versatile plug type scaffold castors which are suitable for converting steel rostra into slave trucks [with the addition of a short scaffold sleeve if going directly into the rostra corner post]. Fitted with strong nylon wheels. The unbraked versions are fitted with a wind-in bolt to prevent the wheel from turning when positioned. The much preferred braked versions are fitted with an easy to use kick-down wheel and swivel lock. NB: Due to manufacturing tolerances on the plug and the tube, the castor can sometimes be a slack fit.

Conversion Sleeve A 127 mm length of scaffold tube to convert the plug to fit the corner posts of Steeldeck/Megadek rostra systems. Not needed when the castors are mounted on scaffolding legs.

Conversion Sleeve	code	price
	SCF092	£1.10

TRIPLE E UNIJACKS

Triple E Unijack™

The Unijack™ system was the major building block in the Triple E range when the company started. Now several thousand Unijacks™ later it is still doing the work it was designed for on stages throughout the world. The system comprises the basic lifting unit with a range of accessories that allow easy handling of heavy scenery. Designed originally for scenic trucks on theatre stages, they can also be used for all types of industrial equipment, machinery, workbenches, display cabinets and counters. All can be moved or braked with confidence.

Registered Design No. 1032215 Registered Trademark No. 1302\376.

WHEEL DIAMETER
50



50 mm Twin-Wheeled Castor

Standard UJA1 Castor Unit Fitted with a 50 mm twin-wheel castor and suitable for most applications. It is recommended that this is installed with a 10 mm clearance between the floor and castor so that the foot pedal is at the most efficient part of its travel as it starts to lift. This gives 24 mm of ground clearance to the piece you are moving. If lightweight pieces are to be moved, then

clearance may be reduced to give more lift. This unit may be fitted with the UJA5 stud set and locking catch to create a lift off UJA1/5.

Triple E Unijack	SWL	code	price
50 mm twin-wheeled castor	160 kg	UJA1	£150.00

WHEEL DIAMETER
50



With a rubber foot brake

Standard UJA3 Brake Unit With the same body as the UJA1 but fitted with a rubber brake foot designed to hold a stage truck in position by lifting a fixed castor from the floor. The unit should be fitted so that it only lifts the fixed castor with a minimum clearance. The brake foot may be purchased separately [UJA8] to convert a UJA1 to a UJA3. This unit may be fitted with the UJA5

stud set and locking catch to create a lift-off UJA3/5.

Triple E Unijack	SWL	code	price
Rubber Foot Brake	275 kg	UJA3	£135.00

WHEEL DIAMETER
80



80 mm Single Wheel Castor

Standard UJA2 Castor Unit Fitted with an 80 mm single-wheel castor. The internal mechanism is the same as the UJA1 but has a larger body in order to accommodate the larger castor and may therefore be used with heavier loads. It is recommended that this is installed with the same 10 mm clearance as the UJA1 above. This unit may be fitted with

the UJA5 stud set and locking catch to create a lift off UJA2/5.

Triple E Unijack	SWL	code	price
80 mm Castor	200 kg	UJA2	£170.00



Stud set and key plate

UJA5 Stud Set All the Unijacks can simply be bolted to your scenery but the big advantage of fitting a UJA5 Stud Set to your Unijacks is that one set of Unijacks can be used on many pieces of scenery. The scenery will need to be fitted with a UJA6 receiving keyplate.

UJA6 Keyplate These need to be fitted to your scenery to accept Unijacks fitted with the UJA5 Stud Sets.

UJA8 Spare Rubber Foot to convert UJA1/UJA2 to UJA3, or replace worn feet.

Triple E Unijack	code	price
Stud set for use with Unijacks	UJA5	£35.00
Keyplates	UJA6	£25.00
Spare rubber	UJA8	£10.00

TURNTABLES



Turntables A range of ball-bearing turntables ideally suited for securing revolve centres to the stage but also handy for constructing stage trucks and for revolving platforms for heavy sculptures. The flanges are undrilled. Measurements in mm.

Turntables	max load	ØA	ØB	ØD	H	G	wgt	code	Tradeline
	750 kg	400	342	230	45	8	11 kg	CAS400L	£237.15
	900 kg	500	442	330	45	8	15 kg	CAS500L	£263.45

Other sizes are available to order.



Lazy Susans These lightweight ball race rings are designed for maximum stability and smooth running. They are suitable for props and special effects. Zinc-plate finish. For heavy scenery applications choose the turntables listed left. No one really knows why they are called Lazy Susans but the first written reference was in an advert in Vanity Fair in December 1917.

Lazy Susans	max load	Ø/width	OH	code	price
Round	450 kg	300 mm	10 mm	CAS300LS	£11.61
Square	225 kg	150 mm	10 mm	CAS150LS	£4.79
Square	130 kg	100 mm	10 mm	CAS100LS	£3.86