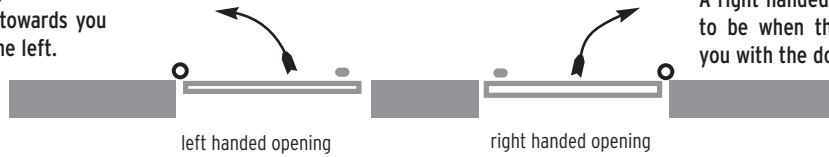


A left handed opening hinge is taken to be when the door opens towards you with the door handle on the left.



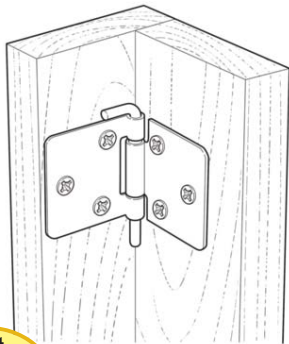
A right handed opening hinge is taken to be when the door opens towards you with the door handle on the right.

Note: Hinges are sold in pairs- a pair being two complete units, enough to hang a door. Confusion arises as we sell hinges as loose part hinges resulting in a pair consisting of four separate pieces! Lift off hinges are handed and the illustration above will help you choose the correct hand. Picture assumes hinges are fixed into edge of door and the side of the reveal-not flat across the face.

PIN HINGES - LOOSE PART HINGES

Two new pin hinges specially designed for scenery construction. Choose the economically priced Exhibition Pin Hinge for general work or the black Opera Hinge for the heavier touring sets which require an extra tough robust hinge.

We really hope that you like them and would certainly appreciate your comments - alsadair@flints.co.uk



Flints Exhibition Pin Hinge

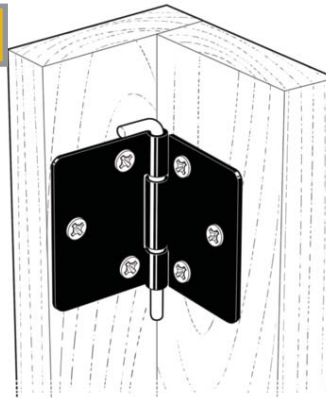
A new design of hinge for general scenery use with the following features:

- ✓ Good knuckle clearance for easy and quick location.
- ✓ 45mm knuckle length designed to fit along 2x1 nominal timber.

Just £6.00 per 10 pairs including pins!

- ✓ When used to join 3x1 timber at right angles it will fit the 3x1 without overhanging the inside of the frame.
- ✓ The corners are rounded so that they can not become a hazard.
- ✓ The pin is very robust to withstand being clouted with a hammer.
- ✓ The pin has good dimensional clearance within the knuckle for easy location.
- ✓ The end of the pin has a good tapered lead but no sharp point.
- ✓ The screw holes are slightly offset to avoid the possibility of splitting the timber.
- ✓ They are neatly packed in boxes of ten pairs and are supplied complete with 20 pins.
- ✓ They open through full 270° so they can be used reversed on gate leg rostra.
- ✓ They are economically priced for the bulk user - remember the price includes the pins!

Flints Exhibition Pin Hinge	code	per box
10 pairs and 20 pins	FHS125	£6.00
spare pins bag of 100	FHS125P	£9.00



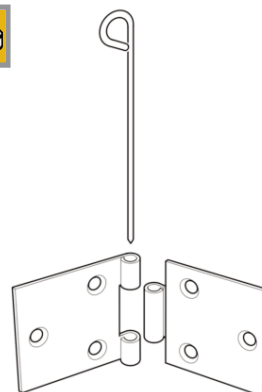
Flints Opera Pin Hinge A "Rolls Royce" hinge for heavy touring shows. Packed with all the features of the Exhibition Pin Hinge plus:

- ✓ Black powder coated finish to protect against corrosion during storage and to reduce possibility of being seen during the performance.

Perfect choice for heavy touring shows

- ✓ Heavy gauge steel to reduce possibility of bending when the scenery is being loaded on and off trucks.
- ✓ 68mm dimension along knuckle fits 3x1" nominal timber perfectly.
- ✓ The extra length helps guard against the hinge twisting out of alignment if it is accidentally knocked.
- ✓ 45mm flap width still fits on 3x1" when another flat is adjoining at right angles.
- ✓ Cranked design enables to hinge to open through full 270°.

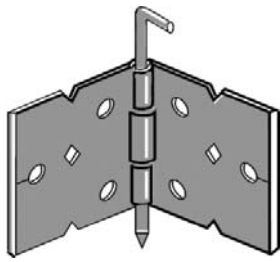
Flints Opera Pin Hinge	code	per box
10 pairs and 20 pins	FHS127	£12.00
spare pins bag of 100	FHS127P	£11.00



Pin Hinge [Loose part back-flap] The old favourite! Used extensively throughout the theatre and related industries for holding together scenery and strengthening battens. When used with Loop or Clip Pins, it is an immensely fast way to fit together a set. Our loose part hinges are specially made with clearance between the knuckles. 1 1/2" x 1 1/4" and 2" hinges take No.8 fixing screws. Please note pins are not supplied with these hinges. See page 2.72 for pins.

Pin Hinge	code	1 pair	Tradeline
1 1/2"	HNG020	£0.68	150pairs £88.50
1 3/4"	HNG021	£0.84	80pairs £56.00
2"	HNG022	£0.89	60pairs £60.80

The above prices are for boxed hinges.



Triple E Pin Hinge Winner of the ABTT Product of the Year. This product, specially designed for the theatre market, resolves many familiar problems for the theatre carpenter. It has a sturdy pin that forms a better fit and can be 'knocked' in or out. Offset fixing holes help to prevent timber splitting, and a centrally located square hole, to take the head of a 6mm coach bolt, allows immense strength for fixing. Notched sides allow for fixing near awkward timber joins. Each hinge comes complete with a pin. Pins are also sold separately. 1C\inch size only.

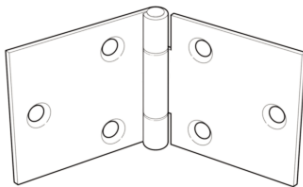
Triple E Hinge and Pin	code	price
1 pair	HNG030	£2.50

TRADELINE	50 pairs Triple E Hinge & Pin	= £105.00
	100 pairs Triple E Hinge & Pin	= £189.00
	500 pairs Triple E Hinge & Pin	= £875.00

Triple E Pin	code	per 10	per 100
	HNG040	£2.30	£20.00

For Loose Part Butt Hinges see ➡.

BACKFLAP HINGES

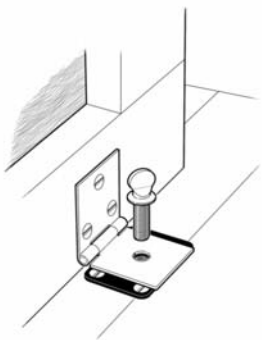


Backflap Hinge Mainly used in theatre for fixing together two pieces of scenery which will remain together permanently, such as flats that are 'booked', or to act as a fixing between two items that are not at right angles. The two parts of the hinge will go from a closed position through 270° to its fully open position making them suitable for folding gate rostra. 1Z\ and 2 inch hinges take No.8 [4mm] fixing screws, the 2Z\ and 3 inch take No.10 [5mm] fixing screws.

Backflap Hinge	code	1 pair	Tradeline
1 ¹ / ₂ "	HNG011	£0.72	150pairs £93.00
1 ³ / ₄ "	HNG012	£0.92	80pairs £61.60
2"	HNG013	£0.94	80pairs £63.20
3"	HNG014	£2.61	25pairs £55.50

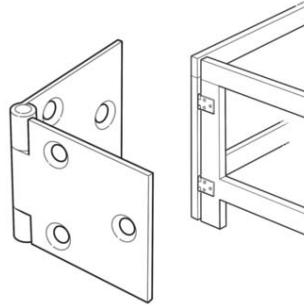
The above prices are for boxed hinges.

Bolt Hinge These are 2" backflaps with one flap drilled with a centred 11mm hole. Designed to be used in conjunction with boss plates to secure scenery to the floor. For Boss Plates see page 2.05



Bolt Hinge	code	pair
loose packed	HNG057	£0.93

TRADELINE	Bag of 80 pairs = £58.40
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Rostrum Hinge A two inch backflap which has one flap countersunk on the opposite side to the other. These are for hinging end gates on folding gate rostra where the hinges have to be mounted in reverse to the usual manner. A very subtle touch!

Rostrum Hinge	code	price
loose pair	HNG053	£0.99

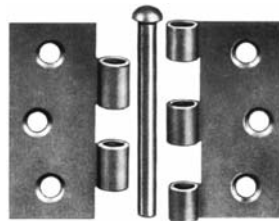
TRADELINE	Bag of 100 pairs = £87.00
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BUTT HINGES



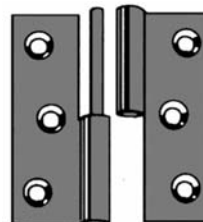
Butt Hinge Used for hinging internal, external and cupboard doors when the hinge is required to be mounted on the edge of the timber. The gauge of the steel increases with the size of the hinge. Don't forget we price and sell hinges in pairs- enough to hang a door. Fixings: 2" hinges use 4 x No.6 [3.5mm] screws; 2¹/₂" use 6 x No.6 [3.5mm] screws; 3" use 6 x No.8 [4mm] screws; 4" use 8 x No.8 [4mm] screws.

Butt Hinge	code	1 pair	quantity	price
2"	HNG060	£0.40	100 pairs	£33.00
2 ¹ / ₂ "	HNG062	£0.49	100 pairs	£40.00
3"	HNG063	£0.50	100 pairs	£41.00
4"	HNG064	£0.86	100 pairs	£69.00



Butt Hinge, Loose Part Used anywhere that the hinge is required in the edge of a piece of timber, such as a door or a rostra, that needs to come apart to travel or store. The hinges are supplied with the type of pin shown but for easier use use a standard loop pin which fits sizes 2¹/₂" and 3". Fixings: 2" hinges use 4 x No.6 [3.5mm] screws; 2¹/₂" use 6 x No.6 [3.5mm] screws; 3" use 6 x No.8 [4mm] screws; 4" use 8 x No.8 [4mm] screws.

Butt Hinge Loose Part	code	pair
2"	HNG070	£0.37
2 ¹ / ₂ " [fits standard loop pin]	HNG071	£0.44
3" [fits standard loop pin]	HNG072	£0.79
4"	HNG073	£1.00



Lift Off Butt Hinge Allows your doors to be removed from the door frame, for use either when travelling or for changing doors in scene changes. Please ensure correct handing when ordering [see top of page 2.69 for information]. A useful tip is to saw 10mm off the pin on the lower hinge of a door. You can then locate the top hinge pin first, then concentrate on the lower hinge.

Lift Off Butt Hinge [right hand]	code	1 pair
3"	HNG101	£2.20
4"	HNG102	£2.37
Lift Off Butt Hinge [left hand]	code	1 pair
3"	HNG106	£2.20
4"	HNG107	£2.37



RIGHT HAND

Rising Butt Hinge Designed to raise a door as it opens, the rising butt ensures that your doors do not catch on the carpet or on uneven flooring. Please ensure correct handing when ordering [see top of page 2.69 for information].

Rising Butt Hinge	code	1 pair
3" [left hand]	HNG080	£2.08
3" [right hand]	HNG081	£2.08
4" [left hand]	HNG082	£3.21
4" [right hand]	HNG083	£3.21



Butt Hinge Electro Brass Used for decorative purposes, mainly on furniture, where the hinge is required in the edge of a piece of timber, such as a door. Fixings: 1 1/2" and 2" uses 6 x No.4 [3mm] screws; 2 1/2" uses 6 x No.6 [3.5mm] screws.

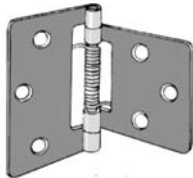
Butt Hinge [electro brass]	code	1 pair
1 1/2"	HNG090	£0.98
2"	HNG091	£1.02
2 1/2"	HNG092	£1.95



Bar Back Flaps These solid brass hinges will be a familiar sight to many theatre staff but they can be useful on stage as well. The double joint allows a totally flush top surface unlike most hinges which have to be positioned with the knuckle proud. Ideal for small stage traps.

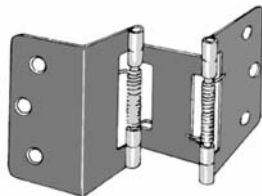
Bar Back Flaps	code	1 pair
3" Open	HNG300	£6.28
4" Open	HNG301	£7.52

SPRING HINGES



Single Action [To Open] Mild steel spring hinge designed to hold light weight scenery doors in open position. Fixings [not supplied]: 6 off No.8 countersunk screws.

Single Action [To Close] Designed to hold lightweight scenery doors in the closed position. Fixings [not supplied]: 6 off No.8 [4mm] countersunk screws.



Double Action Spring Hinge Holds lightweight scenery doors in the closed position but allows them to swing in either direction. Fixings [not supplied]: 6 off No.8 [4mm] countersunk screws.

Single Action Hinge	code	1 pair
to open (when screwed across back of door)	HNG130	£18.84
to close (when screwed across back of door)	HNG131	£18.84
Double Action Spring Hinge	HNG132	£24.96

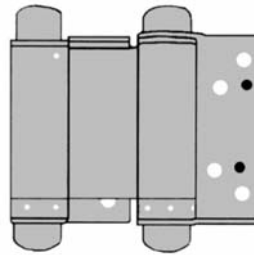
SCREEN HINGE



Screen Hinge A double action hinge normally used for folding screens. 60mm x 25mm Bright Zinc Plated. [suits material no thicker than 19mm].

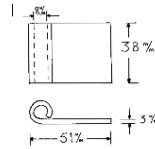
Screen Hinge	code	1 pair
	HNG6000C	£11.97

BOMBER, WELD AND BULLET HINGES



Bomber Hinge Double action spring hinge that allows heavy doors to be opened in either direction, and return to a centre closed position when released. Steel hinges, coloured silver.

Bomber Hinge code	1 pair
3" HNG150	£15.50
4" HNG151	£22.32
6" HNG153	£35.28



Weld Hinges These hinges made from 3mm steel plate can be welded to scenery to form lift off or captive hinges.

Width	height	suits pins	code	each	per 100
51mm	38mm	8mmØ	HNG041	£0.96	£81.00

new



Bullet Hinges Weldable hinges. Sold in pairs [enough to hang a door] consisting of two male and two female weldable parts and washer.

Bullet Hinge	code	per pair
60mm	HNGBH2	£5.29
100mm	HNGBH4	£10.00

CONTINUOUS HINGES



Continuous Hinges Self colour mild steel hinge with steel pin, 72 inches long. Used for hinging metal or timber scenery where support along the full hinging face is required. The 2 inch open continuous hinge is available undrilled or drilled and countersunk. Also available for extra heavyweight jobs is a 10 gauge hinge with 2 inch leaves [4" open].

Continuous Hinge [undrilled]	open width	gauge	pin	code	each
heavy duty	16 gauge	2"	7	HNG116	£14.28
heavy duty	10 gauge	4"	1	HNG113	£37.12
C.H. countersunk [drilled]	open width	gauge	pin	code	each
heavy duty	16 gauge	2"	7	HNG112	£17.14



Piano Hinge 72 inches long, each leaf is 2 1/2 inch wide by 22 gauge. Can be used on furniture, props or lightweight scenery. Drilled and countersunk for small screws. Tip: For rapid but strong fitting use 20mm annular ring shank nails [p2.80].

Piano Hinge	code	1 pair
Electro Brassed	HNG110	£3.48
Nickel Plated	HNG110NP	£3.48

TEE HINGE



Steel hinges in a black japanned finish, designed for surface fitting to thin wooden doors, giving extra support. These hinges can be screwed or bolted.

Tee Hinge	code	1 pair
Light		
100mm	HNG200	£0.51
150mm	HNG201	£0.73
200mm	HNG206	£0.92
Medium		
250mm	HNG207	£1.74
350mm	HNG208	£2.89
400mm	HNG209	£4.18
450mm	HNG205	£4.64

PINS AND SPRING BOLTS



Loop Pins No, not an attractive tall border plant but one of our best selling products. Flints supply tens of thousands of loop pins annually to the entertainments industry. They are a high quality wire product with a good point, which are easy to insert from all the awkward angles theatre carpenters can create to work from! 112mm long.

Loop Pin	code	each	per 100	per 1000
diameter 3mm	FHS037	£0.13	£11.00	£100.00



Heavy Pattern Loop Pins These pins will fit the Triple E hinges as well as 2", 2^{1/2"} and 3" back-flaps. 106mm long x 4mm Ø.

Heavy Pattern Loop Pin	code	price
each	FHS037HP	£0.17
100		£14.00
1000		£120.00



Flints Opera Pins These heavy gauge pins will fit Flints Opera Pin Hinges. They are 88mm long and made from 4mm diameter material.

Flints Opera Pins	code	price
100	FHS127P	£14.00
1000		£110.00



Flints Exhibition Pins These medium gauge pins will fit Flints Exhibition Pin Hinges. They are 65mm long and made from 4mm Ø material.

Flints Exhibition Pins	code	price
100	FHS125P	£10.00
1000		£90.00



Clip Pins Does the same job as the loop pin, but is a sprung steel pin intended for those fixings where it is important that the loop pin does not fall out.

Clip Pin	code	price
each	FHS038	£0.19
100		£14.00

TRADELINE 1000 pins = £120.00



Drop Nose Sword Pins A useful pin for securing items at speed. The spring holds the pin securely without rattling and the chain ensures the unit is not lost. Diameter: 9.5mm. Overall length: 114mm. Useable length: 30-50mm.

Drop Nose Sword Pin	code	each	per 10
	GEN145	£4.84	£41.20



Linch Pins [Apple keep] Available in 6mm and 9.5mm. Other sizes available to order.

Linch Pin	code	each
6mm	GEN141	£0.58
9.5mm	GEN142	£0.60

This page was updated 16/08/11



Closed Retaining Pins Pins which will not rattle loose or drop out when inverted. See also page 2.68.

Closed Retaining Pin	code	each
wire diameter OA length rod size		
2mm SS 45mm 15mm	GEN096SS	£0.48
3mm 54mm 10-16mm	GEN097	£0.39
5mm 104mm 20-28mm	GEN098	£0.50



Ball Lock Pins We have introduced a range of ball lock pins for rapid releasing and securing of frequently used connections. Just press to release.

Ball Lock Pin	Ø	length[ball/shoulder]	shear resistance	code	each
3312	8mm	30mm	38kN	GEN3312W036	£15.78
3312	10mm	40mm	60kN	GEN3312W048	£22.60
3312	12mm	50mm	87kN	GEN3312W070	£22.93
3308	10mm	25mm	60kN	GEN3308W325	£26.88
3308	12mm	40mm	87kN	GEN3308W348	£28.70



Split Pins [Stainless steel AISI 316] Best quality marine grade split pins. See also page 2.68 for assortment box of non stainless pins.

Split Pin	length	diameter	code	per 10
	10mm	1.5mm	GEN70609	£1.33
	25mm	2mm	GEN70611	£2.16
	32mm	3mm	GEN70614	£4.98



Spring Bolts A strong spring loaded bolt which can be held in the retracted position by twisting the bolt through 90°. Available in two sizes. Fixings: 4 off M6 countersunk machine screws.

Base Plate Size	O/A Bolt length/diam stroke	code	price
40 x 75mm.	165/12mm.	35mm DOR0840	£2.55
40 x 120mm	220/12mm	70mm DOR0841	£3.62



Clevis Pins 316 grade stainless steel pins typically used in marine rigging screws. Length is from under the shoulder to the hole centre.

Clevis Pin	length	diameter	holeØ	code	each
	18mm	6mm	1.3mm	GEN61806	£1.06
	20mm	8mm	1.3mm	GEN62008	£1.51
	23mm	9.5mm	1.6mm	GEN62395	£2.01
	34mm	12mm	3.1mm	GEN63416	£7.30



Stainless Steel Split Rings 316 grade stainless steel rings which are easier to remove and insert than ordinary split pins. Typically used in marine clevis pins. See also Smart Pins on page 2.27.

Split Ring	D2	D1	code	per 10
	1.25mm	15mm	GEN70602	£1.33
	1.5mm	19mm	GEN70603	£1.83
	2mm	23mm	GEN70604	£2.16

Have a look at Smart Pins on page 2.27!



For Safety and Kilt Pins please see page 1.88. For Roll Pin Assortment Box see page 2.68.