

# TRACKS / TUBES & CLAMPS

## TRACK LUBRICANTS

### McLube™ Dry Lubricant

This easy to apply, fast drying lubricant instantly bonds to clean, dry surfaces, repelling dirt, and significantly reducing friction. High Performance Dry Lubricant lasts significantly longer than Teflon® additives, oil- or wax based lubricants and it is environmentally friendly, with no chlorofluorocarbons (CFCs), petroleum, or poison emitting toxins. Use on curtain tracks, sliding traps, sliding doors, cloths and anywhere friction is a problem.

- ✓ Can be used directly onto cloth with virtually no marking
- ✓ No sticky grease or dirty oil
- ✓ Solves many friction problems making your show more reliable, slicker and faster!



code	volume	price
HARML08	300ml	£19.73

### Amberglide PTFE Spray

This PTFE lubricant is a multipurpose high quality lubricant enriched with PTFE for enhanced durability in high wear applications. It cleans, waterproofs and reduces friction. Particularly suitable for tab tracks. I have seen really troublesome tracks converted to smooth running ones with just one quick spray!



code	volume	price
SAF516	400ml	£23.38

## TUBES & CLAMPS

### TUBES & CLAMPS

#### Galvanised Steel Scaffold Tube

48.3 mm outside diameter tube is the industry standard for most applications, such as lighting positions, flying bars and staging leg supports. The 33.7 mm outside diameter tube is used for applications where the larger tube would be inappropriate such as shelving, racking and handrail supports. Flints is happy to cut your tubes to length to speed up your fit-up. The full length price is for uncut full lengths. The half length prices include the cutting charge. All other lengths are charged at the per metre price plus the cutting charge. For large quantities of cut lengths please phone for a quotation.



Size 6	description	weight	length	wall THK	tube ø	price
SCF030FL	Full length	16kg	6m	3mm	33.7mm	£49.95
SCF030HL	Half length	8kg	3m	3mm	33.7mm	£26.39
SCF030	Per metre	2.5kg		3mm	33.7mm	£8.79
Size 8	description	weight	length	wall THK	tube ø	price
SCF090FL	Full length	29.82kg	6m	4mm	48.3mm	£49.95
SCF090HL	Half length	14.91kg	3m	4mm	48.3mm	£27.00
SCF090	Per metre	4.66kg		4mm	48.3mm	£9.95
CUTS	Cutting charge [per cut]					£0.80

#### Aluminium Scaffold Tube

48.3 mm outside diameter. Aluminium tube is about one third of the weight of galvanised tube. Flints is happy to cut your tubes to length to speed up your fit-up. Cut lengths can sometimes speed up delivery, too. The full length price is for uncut full lengths. The half length prices include the cutting charge. All other lengths are charged at the per metre price plus the cutting charge. For large quantities of cut lengths please phone for a quotation.



Conformity: BS 1139. Aluminium grade: 6082. Tensile Strength: 316 N/mm<sup>2</sup>



Size 8	description	weight	length	wall THK	tube ø	price
SCF091FL	Full length	10.07kg	6m	4.47mm	48.3mm	£61.95
SCF091HL	Half length	5.04kg	3m	4.47mm	48.3mm	£35.65
SCF091	Per metre	1.65kg		4.47mm	48.3mm	£13.70
CUTS	Cutting charge [per cut]					£0.80

#### Black Anodised Aluminium Scaffold Tube

This tube is the ideal choice for unobtrusive rigging positions and flying bars. The semi-matt black finish will not catch the light like self-colour aluminium tube. Aluminium is notoriously difficult to paint so for a long-lasting high quality finish black anodising is the preferred method. The tube is supplied wrapped to protect it during storage. There are occasionally some small witness marks which are part of the anodising process. When ordering cut lengths, we advise there is likely to be some damage to the finish, so we would recommend purchasing a can of matt black spray [page 75] to touch up. The tube is extruded in accordance with BS EN755. Aluminium grade: 6082T6. The anodising is carried out in accordance with EN BS ISO 7599:2010.



Please contact us for information on full length delivery availability.



Size 8	description	weight	length	wall THK	tube ø	price
SCF091BFL	Full length	10.07kg	6m	4.47mm	48.3mm	£115.00
SCF091BHL	Half length	5.04kg	3m	4.47mm	48.3mm	£72.50
SCF091B	Per metre	1.65kg		4.47mm	48.3mm	£26.50
CUTS	Cutting charge [per cut]					£0.80

## TUBE REAMER

### Supertool Tube Reamer

Just one tool will chamfer both the outside and inside of tubes from 12 mm to 54 mm diameter! Suitable for use on steel, copper, stainless steel, aluminium brass and hard polyester resin. Blade material SAE8660. Ideal for removing razor sharp shards from scaffold and conduit cuts.



code

TOLTR1254S

price

£46.30

## TANK TRAPS

### Tank Trap

Really useful devices for making temporary structures to hold up masking, lighting booms etc. but useless at stopping tanks. 600 mm<sup>2</sup> heavy base plate with a 50 mm receiver fitted with wing bolts to firmly secure aluminium or galvanised scaffold tubes in place. The clever cut-out in the base allows compact stacking for transport and storage. The Tradeline price for units of eight includes FREE delivery – and they are heavy. Also available with “lean back wheels” so you can move them about. Call us for details. We also hire [page 403].



code

DOUT54250

price

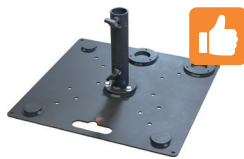
£144.53

8+

£136.93

### 3 Position Tank Trap & Trolley

This fantastic development of the already highly useful Tank Trap gives ultimate flexibility for building structures. The receiver is designed to take a 48 mm barrel [size 8 scaffold], but the really clever bit is that it's removable and can be fixed in 3 positions; centrally, at the edge, or in the corner of the plate. We used these on our stand at the ABTT Theatre Show, paired with Black Anodised Scaffold Tube, and the receiver positioned at the corner of the plates, we were able to achieve a slick design that maximised ground space. For those using Truss, the receiver can be removed, the plate inverted, and the truss fixed directly down - connectors and fixings sold separately [call us for more information]. The Trolley can take ten 3-position tank traps with the receivers slotted in between the traps, and captivated by a retaining plate.



code

DOUT54265

description

3 Position Tank Trap

price

£206.25

DOUT54266

Trolley

£360.10

## Scaffolding Tube Delivery

Because of carrier restrictions regarding long lengths this used to be a bit complicated, but thankfully we've pretty much got it sorted now.

Lengths up to 6m can be delivered to England, Wales, Central & Southern Scotland for £55 up to 20 kg + £0.60 per kg thereafter [outside the London Van Run]. Cut lengths up to 3 m are charged by weight as standard.

See back of catalogue for further details and the London postcodes.

If your requirements fall outside this we are of course happy to obtain a tailored haulage quotation for you.

## CONDUIT

### Conduit

Steel Conduit in a black enamel finish is generally used to add weight to the bottom of painted cloths and borders to get a neat straight edge. The gentle weight will help pull out any creases in the cloths caused by rolling or folding. The advantage of steel conduit is that it is supplied with a thread cut onto each end, and by using the conduit couplers it is easy to obtain a continuous pipe to run inside the pocket on the cloth. Each length of conduit is supplied with one coupler. We also supply a nice bullet end to help the pipe slide smoothly through the pocket without snagging. They also make a neat and safe end to the tube. If you need your conduit cut to length and threaded for ease, we can do that for your too! The poorly chosen code implies we are fleecing you but by the time we have got the gear set up...



code	size	wall THK	length	price	8+
SCF100	20mm	1.37mm	3.75m	£12.29	£11.05
SCF102	25mm	1.4mm	3.75m	£13.95	£12.55
CUTCON	Conduit Cutting and Re-Threading			£3.00	

### Conduit Accessories

Each length of conduit is supplied with a coupler so you shouldn't really need to buy any, but we sell lots of them and are very happy about this. You might also like to buy a few bullet ends to make your pipes slither through the cloth pockets without snagging. The bullet end stops have a gauge of 0.8 - 2 mm.



Spare Coupler



Saddle



Bullet end stops for conduit

code	Type	size	price	100+
SCF103	Coupler	20mm	£0.67	
SCF104	Coupler	25mm	£0.75	
SCF105	Saddle	20mm	£0.55	
SCF106	Saddle	25mm	£0.68	
FHS559	Bullet End Stop	20mm	£0.28	£0.25
FHS561	Bullet End Stop	25mm	£0.30	£0.27

### Conduit Die Sets

It is not generally necessary to have a conduit die if the sole use of the conduit is to add weight to the base pocket of cloths. However, if you are doing a small scale tour it may be necessary to reduce the length of the conduit to fit the hopelessly inadequate van that they hired for you. If you are an electrician you will be needing to re-thread conduit ends all the time.



### Two Arm Conduit Die Holder

A simple set complete with a 20 mm and 25 mm die. This is a very economical solution where access is good.

### 7-Piece Ratchet Set

Suitable for threading black-gas or galvanized iron pipes. The compact ratchet head is suitable for working close to walls etc. The cast iron die heads have alloy steel dies, four chasers per head for a clean accurate thread and four waste holes for quick dispersion of swarf. Supplied in a blow mould carrying case with: 16, 20, 25 and 32 mm die heads, two-piece handle, compact ratchet head.



20 and 25mm die set

7-piece ratchet set

Disposable de-burring tool

code	description	price
TOL22496	7-piece ratchet conduit die set	£119.95
SCFESCO	20 mm and 25 mm conduit die set	£29.95
TOLMON3020	Disposable de-burring tool	£7.02

# TUBES & CLAMPS

## TUBE CUTTER

### Supertool Tube Cutter with Bearings!

This highly successful tube cutter is fitted with bearings to both the rollers and cutting wheel. NB: over tightening may break blades.

- ✓ Easy cutting due to the bearings
- ✓ So strong it will cut hard materials like stainless steel as well as steel, copper, aluminium, brass and plastic etc.
- ✓ Lightweight aluminium alloy body, only 990 g, with baked enamel finish
- ✓ Capable of quietly and neatly cutting scaffolding and conduit from 16 mm to 60 mm diameter
- ✓ No need for hot works certificates

We import these tools direct from the manufacturers in Japan and offer them at incredible value.

code	description	max THK	cuts ø	price
TOLTCB502	Cutter	6mm	16-60mm	£75.00
TOLTBC502	Spare Blade			£13.65



## GRP TUBES

### Glass Fibre Tube [Clearing Stick]

These lightweight but strong tubes make ideal clearing sticks. For deburring see the amazing Supertool Reamer on previous page.

Always attach a lanyard if clearing from the fly floor.

For adjustable clearing poles [Purdy Power Lock + Hook] see page 95.

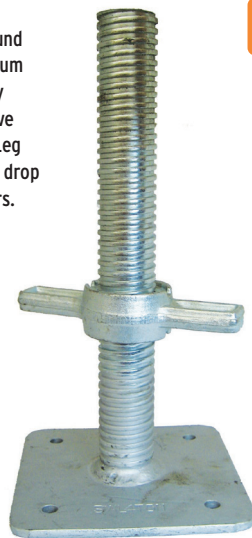


code	length	wall THK	diameter	price
SCF38GFT	6m	2.5mm	38mm	£39.79

## SCAFFOLD BASE PLATES

### Adjustable Scaffold Foot

Useful for levelling staging legs on uneven ground such as thrust stages landing on raked auditorium floors. When used outdoors on soft ground they are best mounted on scaffold boards. If you have a cluster of legs together why not buy a Multi Leg Adapter [page 395]? They allow just one leg to drop to the floor while supporting four rostra corners. Also see Rotalocks [page 253].



### Scaffold Base Plate

Reduces point loading, prevents damage to floors and can be fixed in place to avoid scaffold legs being shunted out of position. They are not pretty, but they are cheap. Fits both Size 6 and Size 8 tubes.



code	description	base	base width	price
SCF119	Base plate	150mm <sup>2</sup>	150mm	£1.32

code	overall height	adjustable height [+/- 10%]	base	price
SCF140	310mm	210mm	150mm <sup>2</sup>	£15.00

### Scaffold Base Plate Protector

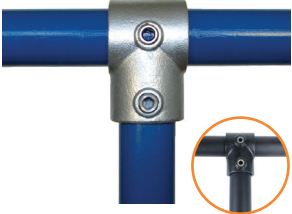
Made from hard plastic they are designed for use under the Scaffold Base Plate and Adjustable Scaffold Foot to protect floors from damage. You can't miss them – they're bright yellow.

code	description	base	base width	price
SCF121	Base plate protector	220mm <sup>2</sup>	220mm	£1.95

## HEX KEY TUBE FITTINGS & ACCESSORIES

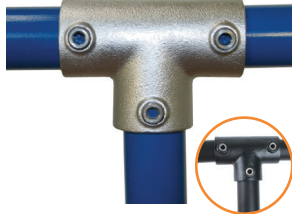
Malleable iron castings with a streamlined appearance that are both extremely versatile and economical. Simple to fit as the tube slides into the socket and is firmly secured in position with a hex key-operated socket screw. The standard Size 8 clamps fit regular 48.3 mm Ø scaffolding tube or aluminium pipe. The smaller Size 6 fits 33.7 mm Ø tube. To obtain maximum slip loads, tighten to 40 Nm [page 195 for Torque Wrenches]. Technically, the correct hex keys to use are 1/4" and 5/16". We find a metric 6 mm a bit too sloppy in the 1/4", but an 8 mm works very well in the 5/16" [7.93 mm]. If you are constructing hanging ladder beams for lanterns we would recommend that you drill right through the corner fittings and tube and use a high tensile bolt to ensure nothing works loose.

All the fittings are available galvanised, with a select range in Black Powder Coat. Other fittings also available in black – please phone for a quote. We can also cut all your tube to length ready for a speedy fit-up [page 248].



**A2 [Short T]** price

SCF602	Size 6	£3.82
SCF802	Size 8	£6.08
SCF802B	Black Size 8	£5.65



**A4 [Long T]** price

SCF604	Size 6	£5.92
SCF804	Size 8	£9.66
SCF804B	Black Size 8	£8.95



**A6 [Elbow]** price

SCF606	Size 6	£4.61
SCF806	Size 8	£7.50
SCF806B	Black Size 8	£6.95



**A8 [Straight Joiner]** price

SCF608	Size 6	£4.36
SCF808	Size 8	£6.61
SCF808B	Black Size 8	£6.15



**A10 [Round Base]** price

SCF610	Size 6	£4.66
SCF810	Size 8	£7.85
SCF810B	Black Size 8	£7.30



**A12 [Oval Base]** price

SCF612	Size 6	£6.77
SCF812	Size 8	£11.20
SCF812B	Black Size 8	£9.95




**A135 [Clamp-on T (1 bolt)]** price

SCF8135	Size 8	£11.64
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**A14 [Wall Fixings]** price

SCF614	Size 6	£10.23
SCF814	Size 8	£16.38



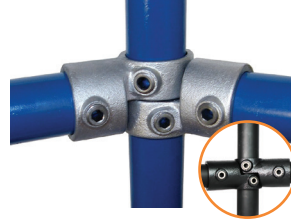
**A18 [3-Way Elbow]** price

SCF618	Size 6	£6.42
SCF818	Size 8	£11.23
SCF818B	Black Size 8	£10.50




**A20 [3-Way T]** price

SCF620	Size 6	£5.24
SCF820	Size 8	£8.13
SCF820B	Black Size 8	£7.55




**A21 [3-Way Adj. T]** price

SCF621	Size 6	£5.12
SCF821	Size 8	£7.00
SCF821B	Black Size 8	£6.50




**A22 [Right Angle Joiner]** price

SCF622	Size 6	£5.59
SCF822	Size 8	£8.92
SCF624	Size 6	£7.12



**A24 [4-Way T]** price

SCF624	Size 6	£7.12
SCF824	Size 8	£11.02
SCF824B	Black Size 8	£10.25



**A26 [5-Way T]** price

SCF626	Size 6	£10.14
SCF826	Size 8	£15.76



**A28 [Side Coupler]** price

SCF628	Size 6	£3.82
SCF828	Size 8	£6.56



**A30 [Side Coupler with T]** price

SCF630	Size 6	£6.22
SCF830	Size 8	£9.81

# TUBES & CLAMPS



**A34 [Small Wall Fixing]** price

SCF634	Size 6	£4.93
SCF834	Size 8	£8.60
SCF834B	Black Size 8	£7.95




**A136 [Clamp-on T]** price

SCF8136	Size 8	£19.80
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**A44 [Side Flexi. Coupler]** price

SCF644	Size 6	£7.19
SCF844	Size 8	£9.98
SCF844B	Black Size 8	£9.25



**A46 [Double Flexi. Coupler]** price

SCF646	Size 6	£13.29
SCF846	Size 8	£17.58




**A52 [Flexi. Wall Coupler]** price

SCF652	Size 6	£8.71
SCF852	Size 8	£10.44



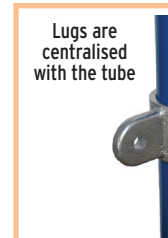
**199 [Flush Panel Fastener]** price

SCF8199	Size 8	£5.82
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**173M [Centre Panel Fastener]** price

SCF6173M	Size 6	£3.21
SCF8173M	Size 8	£4.13
SCF8173MB	Black Size 8	£3.85



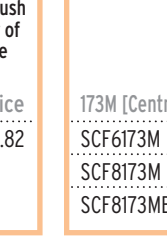
**167M [Double Panel Fastener]** price

SCF6167M	Size 6	£5.28
SCF8167M	Size 8	£5.83
SCF8167MB	Black Size 8	£5.42



**168M [Rt Angle Panel Fastener]** price

SCF6168M	Size 6	£6.39
SCF8168M	Size 8	£7.16




**179 [Plain Collar]** price

SCF6179	Size 6	£3.35
SCF8179	Size 8	£4.39
SCF8179B	Black Size 8	£4.08



**182 [Plain Collar w/ hook]** price

SCF6182	Size 6	£3.45
SCF8182	Size 8	£4.69



**166 [Adj. Knuckle]** price

SCF8166	Size 8	£15.07
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## Grub Screws

Spare grub screws because you are bound to drop one down the dip trap.

code	description	price
SCFSGS6	Size 6	£0.87
SCFSGS8	Size 8	£0.87

## Allen Keys [Hex Keys]

Plain long-arm Allen keys to fit Size 6 and Size 8 key clamps. A large selection of Allen keys can also be found on page 325.



code	description	price
TOL2309B	[for size 6 key clamps - good fit but short arm]	£1.17
TOL2310	Long Arm Hex Key [8 mm]	£3.04

## GalvaFroid

A zinc-rich spray for steel. Weathered grey finish. Protective coating to ISO 1461:1999. 99% pure zinc content. 61% zinc content in cured film. Sacrificial coating protects from corrosion. Ideal for preventing rust after cutting galvanised tubes. See also Galva Colour 2-in-1 spray [page 14] in black and white.

code	volume	price
PATCGS1	400ml	£14.34



## Ratchet Allen Key

To speed up key clamp constructions for the professional user, Flints has chosen this good quality 3/8" drive Teng ratchet handle which will take 1/4" and 5/16" hex sockets. Fits Size 6 and Size 8 key clamp fittings.



code	description	price
TEN3800FRP	3/8" Ratchet Handle [fibre reinforced]	£39.14
TOL2360B	Drive Peg 1/4" [Size 6] (fits 3/8" drive)	£9.80
TOL2361B	Drive Peg 5/16" [Size 8] (fits 3/8" drive)	£10.00

## TUBE TO TUBE

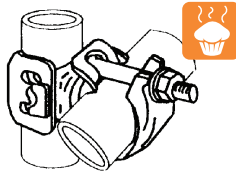
### Scaffold Clamps

Although I have never seen a scaffolder with a torque wrench we do get occasionally asked what is the correct torque for a scaffolding clamp. Apparently when they are tested to meet the standard the bolts are torqued to 45 lb. ft [61.011 Nm]. Suitable Torque Wrenches are listed on page 195.

#### Swivel Coupler

Use 21 mm podger or 1/16" Whitworth scaffold spanner. Visit Podgertropolis on pages 338-344. See for half swivels.

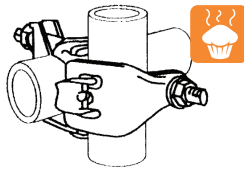
code	price	10+
SCF051	£5.39	£4.85



#### Fixed Right Angle Coupler

Use 21 mm podger or 1/16" Whitworth scaffold spanner. Visit Podgertropolis on pages 338-344.

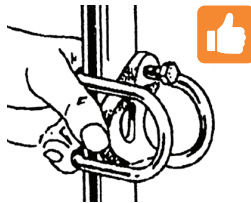
code	price	10+
SCF052	£4.98	£4.48



#### Rotalock

Designed for use with cattle pens as there are no sharp protrusions to hurt the poor cows before they get slaughtered. These fittings are ideal for auditorium structures as the smooth profile will not catch clothing etc. They also make very rigid boom arms and tighten with just one bolt. Another unique advantage of these fittings is they can still be used where groups of rostra legs cluster together. They will squeeze between rostra legs allowing a horizontal brace to be fitted. This would not be possible with conventional scaffolding clamps.

code	price
SCF130	£21.62



#### Angled Cross Over

Neater than a scaffolding clamp for permanent installations. The clips can be fitted with the two tubes in position. Fits 48 - 50 mm Ø tube.

code	price
DOUT25150	£8.97



#### Putlog Coupler

Allows a tube to be fixed at right angles leaving the top of the horizontal tube clear for decking.

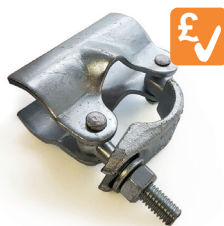
code	price
SCF117	£2.57



#### Oyster (Hoarding) Clamp

Barney's favourite scaffolding clamp, and, like Barney, it is rather clever. As you tighten the clamp onto the scaffold tube the other jaws close up. Although they are designed to close onto another scaffold tube they can also be used to grip the stiles of flats or plywood sheets. It's a great price for a powerful and useful clamp.

code	price
SCF120N	£5.14



#### Solid Tube Joiner

A good choice for strong horizontal joints in 48.3 mm Ø scaffolding tube.

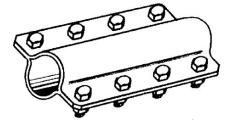
code	price
SCF114	£18.63



#### External Bolt Barrier Joiner

A popular and strong joiner for 48.3 mm Ø aluminium or steel flying bars. Supplied complete with bolts.

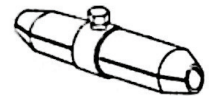
code	price
SCF113	£23.48



#### Joint Pin

These are best on tubes in compression rather than horizontal flying bars.

code	price	10+
SCF111	£4.10	£3.69



## TUBES TO OTHER STUFF

#### Universal Clamp

Endless uses for rigging barrels to Ceiling Saddles [page 255], Hook Clamps [page 373], and wall brackets [page 256]. Economical in price and hugely popular. The 48 mm size is now available in black. See also the Universal Joint [page 255].

code	description	Finish	price
DOU30400	For 48 mm tube with M12 plate	BZP	£9.08
DOU30404	For 48 mm tube with M12 plate	Black	£13.01



#### Half Swivel

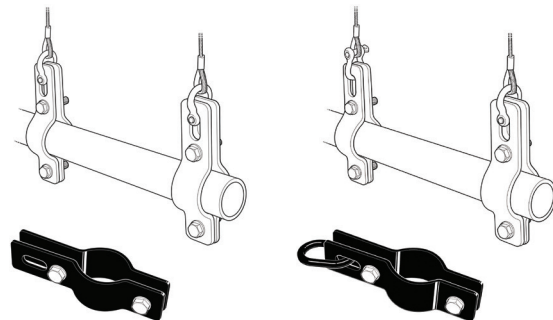
In plain finish ready to weld to your scenery. Use 21 mm podger or 1/16" Whitworth scaffold spanner. Visit Podgertropolis on pages 338 - 344.

code	price	10+
SCF051H	£3.35	£3.02



#### Hanging Clamps

One of our most popular fittings. For full details see page 165.



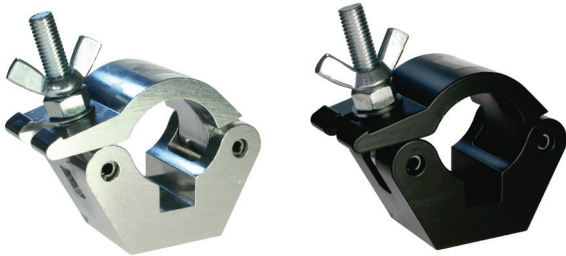
code	description	price	50+
FHS002HCO	With oval ring	£10.80	£9.70
FHS002HCS	Without ring	£8.95	£8.05
FHS002LHCS	Large size for 60.3 mm Ø tube [no ring]	£8.95	£8.05



# TUBES & CLAMPS

## DOUGHTY CLAMPS

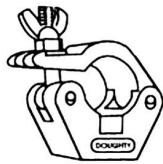
The Doughty Clamp combines strength and durability. Constructed from high-tensile aluminium extrusion supplied as either polished aluminium or with a satin black powder coated finish [available to order if not listed]. They fit pipes with outside diameters between 48 and 51 mm. The Standard clamp will take an M12 nut or bolt head, allowing the user to create their own fixings. The lightweight clamps come with a Hex Nut instead of a Wing Nut as shown.



### Standard Half Couplers [50mm wide]

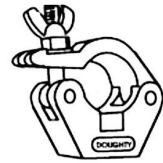
Takes M12 bolts.

code	Type	SWL	price
DOU57000	Standard	750kg	£29.39
DOU57010	Black Standard	750kg	£33.15
DOU58100	Lightweight	500kg	£25.81
DOU58101	Black Lightweight	500kg	£30.09



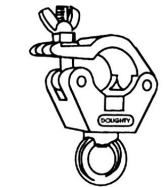
### Slimline Half Couplers [30mm wide]

code	Type	SWL	price
DOU57001	Standard	750kg	£25.33
DOU57011	Black Version	750kg	£29.05



### Hanging Clamps with Ring

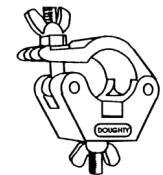
code	Type	SWL	price
DOU57205	Fitted with M12 eyenut	340kg	£38.56
DOU57206	Black Version	340kg	£42.50



### "Hook" Clamp

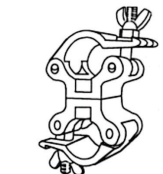
Very popular high tensile aluminium clamps widely used for attaching scenery as well as lanterns to bars and trussing. Suited to large and heavy luminaries.

code	description	SWL	price
DOU57200	Fitted with M12 x 50 mm bolt	750kg	£33.04
DOU57201	Black version	750kg	£39.26
DOU58105	Fitted with M12 x 50 mm bolt	500kg	£28.68
DOU58106	Black version	500kg	£33.15



### Swivel Couplers

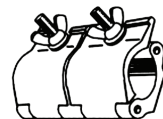
code	Type	SWL	price
DOU57100	Standard	750kg	£65.26
DOU57110	Black Version	500kg	£76.56
DOU58120	Lightweight	500kg	£56.68



### Tube Joiner

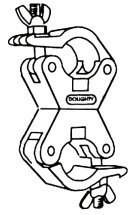
For quickly connecting tubes end to end.

code	price
DOU57240	£59.70



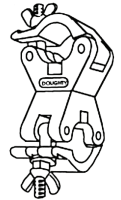
## Parallel Couplers

code	Type	SWL	price
DOU57104	Standard	750kg	£66.75
DOU57114	Black Version	750kg	£74.98
DOU58115	Lightweight	500kg	£56.68



## 90° Fixed Couplers

code	Type	SWL	price
DOU57102	Standard	750kg	£66.75
DOU57112	Black Version	750kg	£74.98
DOU58110	Lightweight	500kg	£56.68



## Female Silver Knobs

Provides easygrip handle, an optional extra for Doughty Clamps.

code	size	weight	price
DOUS122	M10	116g	£2.87
DOUS123	M12	116g	£3.14



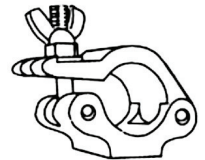
## WELDABLE FITTINGS

These aluminium weld fittings should be TIG welded with Alutig Ma5 Classification AWS A5 10-92, BS 2901-90 DIN 1732-88. The fittings with a spigot are a very snug fit and could probably be adequately secured with a grub screw and some epoxy such as Araldite 2015 [page 148].

### Weldable Half Coupler

Suitable for welding, this product can be used in the manufacture of many "one off" items.

code	price
DOU57230	£28.52



### Basic Stabiliser Coupler

Use this to connect a scaffold tube to a 3 x 1" nominal timber batten. Width between lugs: 21 mm.

code	price
DOU58720	£30.53



### Stabiliser Coupler with Plug

Fits snugly to our 48.3 mm aluminium tube. Other size plugs are available – please phone for details.

code	description	price
DOU58729	With 39.5 mm plug	£43.43



### Knuckle Joint

Provides an articulated join for 48.3 mm Ø aluminium tubes. Overall length: 117 mm.

code	description	price
DOU58734	With 39.5 mm plug	£26.05



## MANFROTTO CLAMPS

### Manfrotto Slim Half Coupler

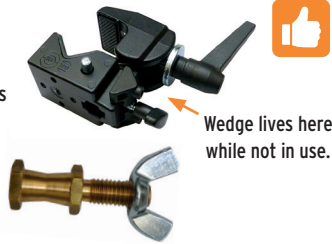
This coupler fits to a wider range of tubes than the Doughty Clamps. Grips tubes from 42 mm Ø up to 52 mm Ø. Drilled with a 13 mm Ø hole for an M12 bolt. Useful with EK2 Electro Kabukis [page 176].



code	weight	price
MANC4560	260g	£26.62

### Manfrotto Super Clamps

Very versatile and clever clamps that will grip from 55 mm Ø right down to 13 mm Ø! Supplied with a wedge to square off the jaws for fastening to flat surfaces. Available as single or fixed double. The stud will allow rapid connection of trunnion arms etc.



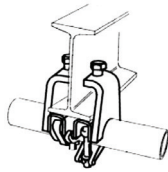
Wedge lives here while not in use.

code	description	WLL	price
MAN035	Single	15kg	£32.83
MAN038	Fixed double	15kg	£69.28
MAN174	Hex 16 mm lighting stud [M10]	15kg	£15.96

## GIRDER CLAMPS

### Gravlock Coupler

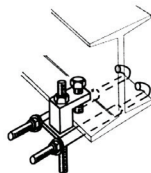
A very useful fitting for securing 48.3 mm scaffolding bars to girders. Suitable for girder flanges up to 45 mm thick. Must be used in pairs.



code	description	price
SCF116	per pair	£18.34

### Light-Duty Girder Clamps

Designed to hang 12 mm studding from girders. Typical uses include fixing tab tracks. For 150 - 190 mm beams with thicker flanges of up to 15 mm use the DOUF1087 hook bolt.



code	description	SWL	adjustable from	price
DOU29800	Adjustable	250kg	100-140mm	£65.32
DOUF1087	Hook bolt for 15 mm flange			£8.08

### Marquee Kader Beam Clamps

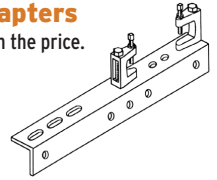
Adjustable clamps designed specifically for use with clear span marquees using Kader grooved beams. Standard version has threaded holes for M10, M12 and M14 fixings, lightweight version only for M10. Both black powder coated.



code	Type	SWL	fits beams	price
DOU28870	Standard	150kg	50-110mm	£73.60
DOU28865	Lightweight	20kg	80-125mm	£41.15

### Adjustable Girder Clamps with Lindapters

Uses two M12 Lindapter flange clamps which are included in the price. Angle iron is black.

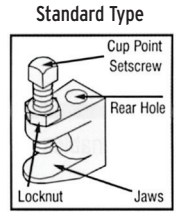


code	weight	SWL	adjustable from	price
DOU29500	1kg	500kg	75-150mm	£63.18
DOU29600	1kg	500kg	150-300mm	£66.75

## LINDAPTER FLANGE CLAMPS

### Lindapter Flange Clamps

The simplest way of suspending fittings from steel beams. Full details can be found on the download section of flints.co.uk. We now also stock a Beam Flange Clamp type FLS with a swivel unit for inclined applications. Supplied with a high tensile set screw for a secure grip on both parallel and tapered flanges.



SPECIFICATION: SWL calculated use a Safety factor of 4:1. SCFLS10: Clamping range: 3-17 mm.

code	Type	SWL	set screw	lock nut	price
SCF108	M10	2.4kN	8Nm	22Nm	£2.10
SCF107	M12	3.1kN	8Nm	22Nm	£3.05

code	Type	SWL < 25°	SWL 25° - 45°	set screw	lock nut	price
SCFLS10	M10 Swivel	2.5kN	1.5kN	18Nm	18Nm	£5.39

## BRACKETS

### Ceiling Saddles

Allows a fitting to a ceiling with an accessible 75 mm stand off for a bolt or studding. When used with universal clamps [page 253] it allows the barrel to stand off enough for hook clamp access. Drilled with 12 mm Ø fixing holes.



code	Finish	price
DOU33700	BZP	£8.36

### Universal Joint

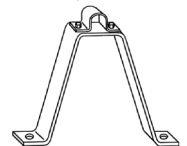
A very useful steel universal joint which has two M12 fixing holes. Can be used in conjunction with many other fittings such as the Ceiling Saddle [above] and the Universal Clamp [below].



code	Finish	SWL	price
DOU30410	BZP	100kg	£24.49

### Pipe to Wall Stand off Brackets

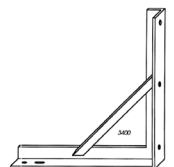
For a 48.3 mm diameter tube. Comes supplied with saddle with bolts. Drilled with M10 fixing holes.



code	description	price
DOU33300	300 mm stand off	£27.54
DOU33310	100 mm stand off	£26.69

### Angle Iron Bracket

Made from 50 x 50 mm angle, drilled, slotted and braced. Use in conjunction with a Universal Clamp [page 253] to secure 48.3 mm tubes.



code	length	height	price
DOU34000	450mm	450mm	£41.26

# TUBES & CLAMPS

## Slotted Wall Brackets

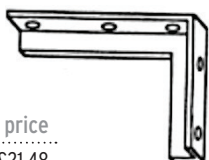
Three sizes of very smart and versatile laser cut brackets.



code	length	height	THK	WLL	price
DOUT84105	200mm	125mm	43mm	25kg	£31.78
DOUT84106	350mm	150mm	43mm	25kg	£36.96
DOUT84107	500mm	200mm	43mm	25kg	£42.08

## Face Fixing Bracket

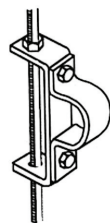
Made from 25 x 25 mm angle. Use in conjunction with a Universal Clamp [page 253] to secure 48 mm tubes.



code	height	price
DOU34100	195mm	£21.48

## Stud Hanger

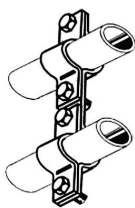
Holds a 48 mm Ø tube at right angles to M12 studding. A good method for levelling fixed flying bars from an uneven ceiling.



code	fits tube Ø	price
DOU30300	48mm	£10.53

## Parallel Pipe to Pipe Brackets

See also Boom Arms and double-ended Hook Clamps [page 373].



code	centres	price
DOU30900	225mm	£18.75
DOU31000	300mm	£19.41

## Wall Hanger

A simple wall bracket. Ideal for fixing a 48 mm tube between two fixed walls [pair required, sold each]. Drilled with 4 x 12.5 mm Ø fixing holes. The plate measures [w x h] 130 x 140 mm. The generous depth of the cup [75 mm] allows for a bit of play in the length of the tube.



code	weight	SWL	fits tube Ø	price
DOUT30409	1.1kg	100kg	48mm	£19.11

## SWIVEL ARMS

### Swivel Arms

Designed to allow a 25 mm Ø tube to be swivelled and held in place by the friction from the spring action. Ideal for leg masking. These units can also be attached to Halls T60 [and T70] Master Carriers so wings can track on and off stage and swivel.



code	description	price
HAL3605	Swivel for fitting to 48 mm tube [shown]	£63.76
HAL3614	Swivel with 2 m arm for 48 mm tube	£93.95
HAL3607	Swivel with 2 m arm for 75 - 150 mm girder	£121.79

## U-BOLTS & HOOK BOLTS

### Hook Bolts – J-Bolts

Technically these are commercial quality mild steel J-bolts. They are supplied with a nut and are bright zinc-plated. Use for fixing girder brackets to studio grids made from inverted channels. Closing down measurements may vary, please phone if crucial. All sizes are M8 except the 100 mm which we have specially made for us in M10 to suit most girder brackets. Other sizes can be made to order in minimum quantities of 200. Not for lifting.

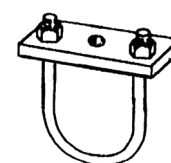


For Hook Masonry Fixings see page 287.

code	diameter	hook length	thread length	price
FIX3082	M8	60mm	45mm	£0.35
FIX3081	M8	80mm	53mm	£0.45
FIX3083	M8	100mm	50mm	£0.49
FIX3092	M10	100mm	75mm	£1.50

### U-Bolts and Threaded Plates

Holds boards to pipes securely. The plates have a centred M10 or M12 threaded hole. WLL 140 kg



code	threaded hole	fits tube Ø	price
DOUT32400	M10	32mm	£8.36
DOUT32500	M12	32mm	£8.35
DOUT33400	M10	48mm	£6.88
DOUT33500	M12	48mm	£6.88

### U-Bolts and Saddle

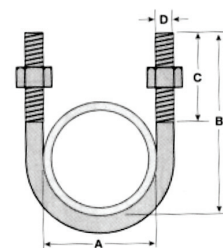
Designed for use on Doughty Multibeam Brackets [page 236] but they have many other uses.



code	fits tube Ø	material Ø	price
DOUT56900	50mm	8mm	£1.86

### U-Bolts Only

Bright zinc-plated U-bolts. These are no longer supplied complete with nuts which need to be ordered separately [page 283]. The popular 51 mm Ø size [+ ] is also available with extended legs.



code	A [Ø]	B	C	D	price	50+
FIX3127	21mm	48mm	30mm	6mm	£0.35	
FIX3128	27mm	53mm	30mm	6mm	£0.44	
FIX3129	34mm	60mm	40mm	6mm	£0.54	
FIX3130	44mm	70mm	40mm	10mm	£0.79	
FIX3131	51mm	80mm	40mm	10mm	£0.89	£0.73
FIX3131L	51mm	127mm	85mm	10mm	£1.38	£1.25
FIX3132	60mm	90mm	40mm	10mm	£0.92	
FIX3133	76mm	105mm	40mm	10mm	£1.15	
FIX3134	90mm	115mm	40mm	12mm	£1.82	

## TUBE ACCESSORIES

### Plastic End Caps

For steel and aluminium tubes, all in black. Other sizes can be supplied to order. Flints sold over 15,000 inserts for 48.3 mm scaffold tube last year! Most popular inserts are marked with a + for easy restocking.

code	description	fits wall THK	price	100+
FHS923	Inserts for 33.7 mm scaff tube [Size 6]	2.6-4mm	£0.22	
FHS921	Inserts for 48.3 mm scaff tube [Size 8]	3.2-5mm	£0.42	£0.29
FHS559	For 20 mm conduit [gauge 0.8 - 2 mm]	20mm	£0.28	£0.25
FHS561	For 25 mm conduit [gauge 0.8 - 2 mm]	25mm	£0.30	£0.27
GEN500	1" x 1" square insert	1-2.5mm	£0.23	
GEN510	40 x 40 mm square insert	1.25-2mm	£0.32	
GEN511	40 x 40 mm square insert	2.6-4mm	£0.38	
GEN512	25 x 25 mm square insert	2-3.2mm	£0.17	
GEN502	2" x 2" square insert	2-3.2mm	£0.59	
GEN503	50 x 25 mm rectangular insert	1.25-3mm	£0.34	
FHS920	Boot for 48.3mm scaffold tube		£0.50	
FHS922	Boot for 50.8 mm scaffold tube		£0.69	



## WELDING ELBOWS

### Welding Elbows

Right-angle bends in mild steel ideally suited for smooth handrail applications. May be trimmed back to achieve other angles.

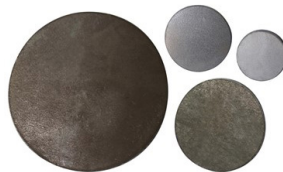


code	description	outside ø	price
SCF900	Fits Size 6	33.7mm	£2.96
SCF904	Fits Size 8	48.3mm	£3.92

## WELD DISCS

### Weld Discs [Blanks]

Apart from blanking off tube ends, these mild steel discs make very useful large round feet on steel tube legs preventing floor damage and allowing small frames to stand upright by themselves prior to bolting.



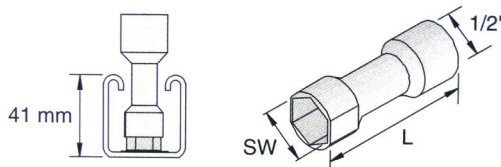
code	thickness	diameter	price	100+
SCF910	3mm	41mm	£1.21	£1.09
SCF912	5mm	60mm	£1.71	£1.55
SCF914	6mm	100mm	£2.81	£2.53

## UNISTRUT SOCKETS

### Unistrut Sockets

Make your life a lot easier. Our Long Reach 13 x 17 podger [page 339] does get inside the channel but it scrapes on the side. These sockets have a reduced waist especially designed for an easy fit in 41 mm Unistrut Channel. M10 [17 mm] socket with 1/2" drive.

Maximum torque: 30 Nm. Weight: 130 g.



code	socket	drive	max torque	price
TOL17AF	M10	1/2"	30Nm	£27.45

## UNISTRUT

### Unistrut

Genuine Unistrut pre-galvanised channel 41 x 41 mm. Widely used for mounting fittings and ideal for mounting limit switches etc. which may require some final adjustments. Available plain for you to drill your own slots or weld in place; or as the popular pre-slotted version. For our delivery policy regarding 6 m lengths see page 249.



NB: To access the bolt heads you will find a conventional socket will be too fat to get into the channel. Our Long Reach Podger 13 x 17 [POD1317L] will just get into the channel [page 339] but we also stock a special socket with a reduced waist which is ideal. See below.

code	description	length	price
UNIP10003	P1000 [plain]	3m	£29.95
UNIP10006	P1000 [plain]	6m	£57.35
UNIPS10003	P1000 [slotted]	3m	£29.95
UNIPS10006	P1000 [slotted]	6m	£49.95

### Channel Nuts and Zebedees

Plain channel nuts or clamping nuts with long springs with a bright zinc-plate finish. Fits the channels shown above. Boing... time for bed...

Check out the Zip Clip STRUT-LOCK on page 196.



code	Type	size	price	100+
UNIPNP10ZP	Channel Nuts	M10	£0.29	£0.26
UNIPNP12ZP	Channel Nuts	M12	£0.59	£0.53
UNIPNL10ZP	Zebedees	M10	£0.35	£0.32
UNIPNL12ZP	Zebedees	M12	£0.85	£0.76