

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.

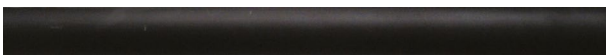
Scaffold Tube	Ø x wall thk	weight	code	price
Size 6	Full length 6 m	33.7 x 3 mm	16 kg	SCF030FL £49.95
	Half length 3 m	33.7 x 3 mm	8 kg	SCF030HL £26.39
	Per metre	33.7 x 3 mm	2.5 kg	SCF030 £8.79
Size 8	Full length 6 m	48.3 x 4 mm	29.82 kg	SCF090FL £49.95
	Half length 3 m	48.3 x 4 mm	14.91 kg	SCF090HL £27.00
	Per metre	48.3 x 4 mm	4.66 kg	SCF090 £9.38
	Cutting charge		per cut	CUTS £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/mm²

Aluminium Scaffold Tube	Ø x wall thk	weight	code	price
Size 8	Full length 6 m	48.3 x 4.47 mm	10.07 kg	SCF091FL £61.95
	Half length 3 m	48.3 x 4.47 mm	5.035 kg	SCF091HL £35.65
	Per metre	48.3 x 4.47 mm	1.653 kg	SCF091 £13.70
	Cutting charge		per cut	CUTS £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 67] 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.

Black Aluminium Tube	Ø x wall thk	weight	code	price
Size 8	Full length 6 m	48.3 x 4.47 mm	10.07 kg	SCF091BFL £109.25
	Half length 3 m	48.3 x 4.47 mm	5.035 kg	SCF091BHL £62.45
	Per metre	48.3 x 4.47 mm	1.653 kg	SCF091B £23.45
	Cutting charge		per cut	CUTS £0.80

TUBE REAMER



A really useful tool



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.

Tube Reamer	weight	code	price
	250 g	TOLTRI254S	£44.10

TANK TRAPS



Tank Trap Really useful devices for making temporary structures to hold up masking, lighting booms etc. but useless at stopping tanks. 600 mm² 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 more easily move them about. Call us for details. We also hire [page 378].

Tank Trap	weight	code	list	price	Tradeline 8+
	16.14 kg	DOUT54250	£152.14	£144.53	£126.79



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 2019, 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.

3-Position tank trap	weight	code	list	price
	with receiver			
	18.5 kg	DOUT54265	£229.17	£206.25
Trolley		DOUT54266	£400.11	£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 pages 384-385 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 you too! The poorly chosen code implies we are fleecing you but by the time we have got the gear set up...

Conduit	wall thk	length	weight	code	price	8+
20 mm	1.37 mm	3.75 m	2.5 kg	SCF100	£11.18	£10.07
25 mm	1.40 mm	3.75 m	3.0 kg	SCF102	£12.43	£11.18
Conduit Cutting and Re-Threading				CUTCON	£3.00	



Spare coupler



Saddle



Bullet end stops for conduit

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

Conduit Accessories	type	size	code	price
Coupler		20 mm	SCF103	£0.67
Coupler		25 mm	SCF104	£0.75
Saddle		20 mm	SCF105	£0.55
Saddle		25 mm	SCF106	£0.68
Bullet End Stop		20 mm	FHS559	£0.22
Bullet End Stop		25 mm	FHS561	£0.24



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.



20 mm and 25 mm conduit die set



7-piece ratchet conduit die set

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.

Conduit Die Sets	code	list	Tradeline
7-piece ratchet conduit die set	TOL22496	£166.50	£120.72
20 mm and 25 mm conduit die set	SCFESCO		£29.95
Disposable de-burring tool	TOLMON3020		£7.02

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.

Bearings on the blade and rollers!

- ✓ 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.

Pipe Cutter	cuts Ø	max thk	weight	code	price
Cutter	16 - 60 mm	6 mm	990 g	TOLTBC502	£75.00
Spare Blade				TOLTBC502	£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.

Glass Fibre Tube	Ø x wall thk	length	weight	code	Tradeline
	38 x 2.5 mm	6 m	3.3 kg	SCF38GFT	£39.79
Delivery of any quantity of the above [UK Mainland only]					£25.00

For adjustable clearing poles [Purdy Power Lock + Hook] see page 84.

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 370]? They allow just one leg to drop to the floor while supporting four rostra corners. Also see Rotalocks [page 236].

Adjustable Foot	overall height	adjustable height	base	weight	code	price
	320 mm	210 mm [+/- 10%]	150 x 150 mm	2.1 kg	SCF140	£17.62



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.

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.

Scaffold Base Plate & Protector	base	weight	code	price
Base Plate	150 x 150 mm	304 g	SCF119	£1.32
Base Plate Protector	220 x 220 mm	161 g	SCF121	£1.95

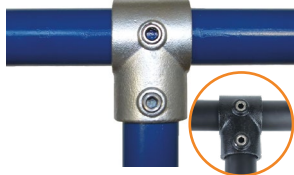
HEX KEY TUBE FITTINGS

Hex Key Tube Fittings

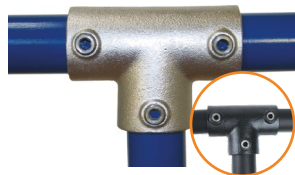
Malleable iron castings with a streamlined appearance that are both extremely versatile and economical. Simple to fit as the tube slides into the socket and is firmly secured in position with a hex key-operated socket screw. The standard Size 8 clamps fit regular 48.3 mm Ø scaffolding tube or aluminium pipe. The smaller Size 6 fits 33.7 mm Ø tube. To obtain maximum slip loads, tighten to 40 Nm [page 174 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 232].

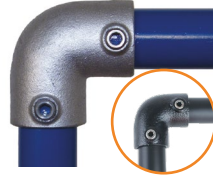
6: TUBES & CLAMPS



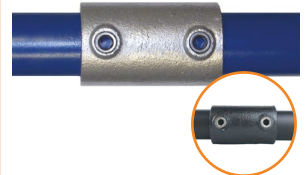
A2 (Short T)	code	price
Size 6	SCF602	£3.82
Size 8	SCF802	£6.08
Black Size 8	SCF802B	£5.65



A4 (Long T)	code	price
Size 6	SCF604	£5.92
Size 8	SCF804	£9.66
Black Size 8	SCF804B	£8.95



A6 (Elbow)	code	price
Size 6	SCF606	£4.61
Size 8	SCF806	£7.50
Black Size 8	SCF806B	£6.95



A8 (Straight Joiner)	code	price
Size 6	SCF608	£4.36
Size 8	SCF808	£6.61
Black Size 8	SCF808B	£6.15



A10 (Round Base)	code	price
Size 6	SCF610	£4.66
Size 8	SCF810	£7.85
Black Size 8	SCF810B	£7.30



A12 (Oval Base)	code	price
Size 6	SCF612	£6.77
Size 8	SCF812	£11.20
Black Size 8	SCF812B	£9.95



A135 (Clamp-on T (1 bolt))	price
Not available in size 6	
Size 8	SCF8135 £11.64
Black Size 8	Not yet stocked



A14 (Wall Fixings)	code	price
Size 6	SCF614	£10.23
Size 8	SCF814	£16.38
Black Size 8	Not yet stocked	



A18 (3-way Elbow)	code	price
Size 6	SCF618	£6.42
Size 8	SCF818	£11.23
Black Size 8	SCF818B	£10.50



A20 (3-way T)	code	price
Size 6	SCF620	£5.24
Size 8	SCF820	£8.13
Black Size 8	SCF820B	£7.55



Sold "each" and you will probably need a pair!

A21 (3-way Adj. T)	code	price
Size 6	SCF621	£5.12
Size 8	SCF821	£7.00
Black Size 8	SCF821B	£6.50



A22 (Right Angle Joiner)	code	price
Size 6	SCF622	£5.59
Size 8	SCF822	£8.92
Black Size 8	Not yet stocked	



A24 (4-way T)	code	price
Size 6	SCF624	£7.12
Size 8	SCF824	£11.02
Black Size 8	SCF824B	£10.25



A26 (5-way T)	code	price
Size 6	SCF626	£10.14
Size 8	SCF826	£15.76
Black Size 8	Not yet stocked	



A28 (Side Coupler)	code	price
Size 6	SCF628	£3.82
Size 8	SCF828	£6.56
Black Size 8	Not yet stocked	



A30 (Side Coupler with T)	code	price
Size 6	SCF630	£6.22
Size 8	SCF830	£9.81
Black Size 8	Not yet stocked	



A34 [Small Wall Fixing] price

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



A136 [Clamp-on T] code price


Not available in size 6

Size 8	SCF8136	£19.80
Black Size 8		Not yet stocked



A44 [Side Flexible Coupler] price

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



A46 [Double Flexible Coupler] price

Size 6	SCF646	£13.29
Size 8	SCF846	£17.58
Black Size 8		Not yet stocked



A52 [Flexible Wall Coupler] price

Size 6	SCF652	£8.71
Size 8	SCF852	£10.44
Black Size 8		Not yet stocked

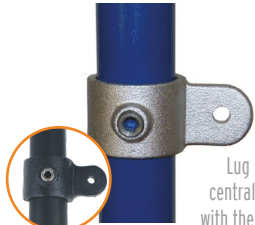


Panel is flush with rear of the tube.

199 [Flush panel fastener] price

Not available in size 6


Size 8	SCF8199	£5.82
Black Size 8		Not yet stocked



Lug is centralised with the tube.

173M [Centre panel fastener] price


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



Lugs are centralised with the tube.

167M [Double panel fastener] price

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



Lugs are centralised at right angles.

168M [Rt angle panel fastener] code price

Size 6	SCF6168M	£6.39
Size 8	SCF8168M	£7.16
Black Size 8		Not yet stocked



179 [Plain collar] code price

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



182 [Plain collar with hook] price

Size 6	SCF6182	£3.45
Size 8	SCF8182	£4.69
Black Size 8		Not yet stocked



166 [Adjustable knuckle] price

Not available in size 6

Size 8	SCF8166	£15.07
Black Size 8		Not yet stocked

HEX TUBE FITTINGS ACCESSORIES



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

Grub Screws	code	price
Size 6	SCFSGS6	£0.87
Size 8	SCFSGS8	£0.87



Galvafruid 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 9] in black and white.

Galvafruid [Cold Galvanising Spray]	code	price
	PATCGS1	£13.10



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 304.

Allen Keys [Hex Keys]	code	price
Size 6 [1/4"]	TOL2309B	£1.17
Size 8 [8 mm]	TOL2310	£3.04



Ratchet Allen Key To speed up key clamp constructions, 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. See page 321 for other Ratchet Drives. We sell the handle well below the list price of £40.70.

Ratchet Allen Key	code	price
3/8" Ratchet Handle [fibre reinforced]	TEN3800FRP	£31.78
Ratchet Drive Peg 1/4" [Size 6] (fits 3/8" drive)	TOL2360B	£7.80
Ratchet Drive Peg 5/16" [Size 8] (fits 3/8" drive)	TOL2361B	£7.90


SCAFFOLD CLAMPS & FITTINGS

Scaffold Clamps

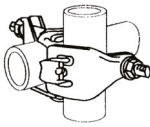
Although I have never seen a scaffolder with a torque wrench we do get occasionally asked what is the correct torque for a scaffolding clamp. Apparently when they are tested to meet the standard the bolts are torqued to 45 lb. ft [61.011 Nm]. Suitable Torque Wrenches are listed on page 174.

TUBE TO TUBE



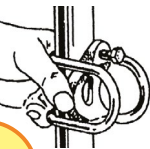
Swivel Coupler Use 21 mm podger or 7/16" Whitworth scaffold spanner. Visit Podgertropolis on pages 317 - 324. See  for half swivels.

Swivel Coupler	code	price	10+
	SCF051	£5.39	£4.44



Fixed Right Angle Coupler Use 21 mm podger or 7/16" Whitworth scaffold spanner. Visit Podgertropolis on pages 317 - 324.

Fixed Coupler	code	price	10+
	SCF052	£4.98	£3.94



We like them!

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.

Rotalock	code	price
	SCF130	£15.62



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.

Cross Over	code	price
	DOU25150	£8.97



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

Putlog Coupler	code	price
	SCF117	£2.57



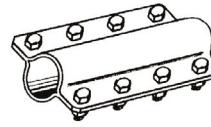
Oyster (Hoarding) Clamp Barney's favourite scaffolding clamp, and, like Barney, it is rather clever. As you tighten the clamp onto the scaffold tube the other jaws close up. Although they are designed to close onto another scaffold tube they can also be used to grip the stiles of flats or plywood sheets.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

Barney's Favourite Clamp	code	price
	SCF120N	£4.36



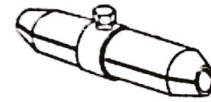
Solid Tube Joiner A good choice for strong horizontal joints in 48.3 mm Ø scaffolding tube.

Solid Joiner	weight	code	price
M8 Allen screws	2.64 kg	SCF114	£18.63



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

External Joiner	weight	code	price
	1.06 kg	SCF113	£23.48



Joint Pin These are best on tubes in compression rather than horizontal flying bars. See also the aluminium tube joiner [page 237].

Joint Pin	weight	code	price	10+
	850 g	SCF111	£4.10	£3.39

TUBES TO OTHER STUFF



Universal Clamp Endless uses for rigging barrels to Ceiling Saddles [page 238], Hook Clamps [pages 351-352], and wall brackets [page 238]. Economical in price and hugely popular. The 48 mm size is now available in black. See also the Universal Joint [page 238].

Universal Clamp	finish	weight	code	price
For 48 mm tube with M12 plate	BZP	420 g	DOU30400	£9.08
For 48 mm tube with M12 plate	Black	420 g	DOU30404	£13.01



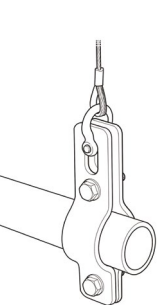
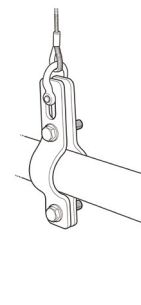
Half Swivel In plain finish ready to weld to your scenery. Use 21 mm podger or 7/16" Whitworth scaffold spanner. Visit Podgertropolis on pages 317 - 324.

Half Swivel	weight	code	price	10+
	500 g	SCF051H	£3.35	£2.92



Stair Tread Coupler A dual-handed fitting for fitting scaffold board treads to scaffold stringers.

Stair Tread Coupler	code	price
	SCF118	£9.98



Hanging Clamps One of our most popular fittings. For full details see page 146.

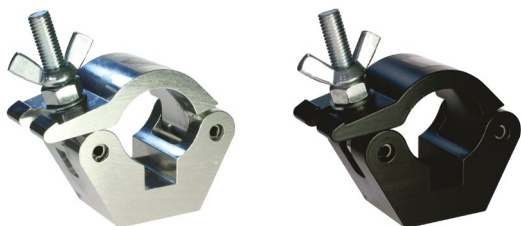
Hanging Clamps	weight	code	price	50+
With oval ring	750 g	FHS002HCO	£9.80	£8.50
Without ring	650 g	FHS002HCS	£7.75	£6.60
Large size for 60.3 mm Ø tube [no ring]	700 g	FHS002LHCS	£7.75	£6.60

DOUGHTY CLAMPS



Ask for the new full colour Doughty Catalogue or order it using code CATDOU online at flints.co.uk.

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 [50 mm wide]

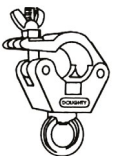
Takes M12 bolts.

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



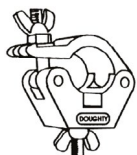
Slimline Half Couplers [30 mm wide]

Slimline Half Couplers	SWL	code	price
Standard	750 kg	DOU57001	£25.33
Black	750 kg	DOU57011	£29.05



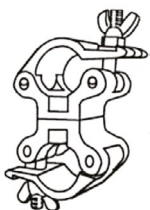
Hanging Clamps with Ring

Hanging Clamps	SWL	code	price
Fitted with M12 eyenut	340 kg	DOU57205	£38.56
Black version	340 kg	DOU57206	£42.50



Hook Clamps

Hook Clamps	SWL	code	price
Fitted with M12 x 50 mm bolt	750 kg	DOU57200	£33.82
Black version	750 kg	DOU57201	£39.26
Fitted with M12 x 50 mm bolt	500 kg	DOU58105	£28.68
Black version	500 kg	DOU58106	£33.15



Swivel Couplers

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



Tube Joiner

For quickly connecting tubes end to end.

Tube Joiner	code	price
	DOU57240	£59.70



Parallel Couplers

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



90° Fixed Couplers

90° Fixed Coupler	SWL	code	price
Standard	750 kg	DOU57102	£66.75
Black	750 kg	DOU57112	£74.98
Lightweight	500 kg	DOU58110	£56.68

ACCESSORIES



Female Silver Knobs Provides easygrip handle, an optional extra for Doughty Clamps.

Female Silver Knob	weight	code	price
M10	116 g	DOUS122	£2.87
M12	116 g	DOUS123	£3.14

WELDABLE FITTINGS

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 129].



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

Weldable Half Coupler	weight	code	price
	490 g	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.

Basic Stabiliser Coupler	weight	code	price
21 mm	550 g	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.

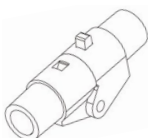
Stabiliser Coupler with Plug	weight	code	price
With 39.5 mm plug	670 g	DOU58729	£43.43



Knuckle Joint Provides an articulated joint for 48.3 mm Ø aluminium tubes.

Overall length: 117 mm.

Knuckle Joint	weight	code	price
With 39.5 mm plug	350 g	DOU58734	£26.05



Locking Elbow A useful fitting which allows aluminium tubes and truss to fold for transportation.

Overall length: 180 mm.

Locking Elbow	weight	code	price
With 39.5 mm plug	720 g	DOU58793	£45.65

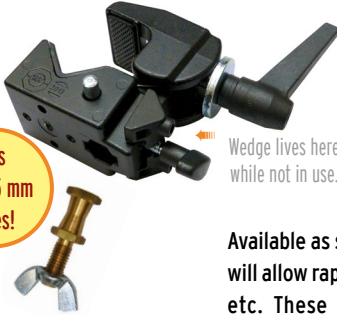
MANFROTTO CLAMPS



Fits 42 - 52 mm tubes

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 157]

Manfrotto Half Coupler	WLL	weight	code	Tradeline
	300 kg	260 g	MANC4560	£27.40

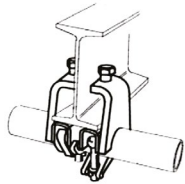


Fits 13 - 55 mm tubes!

Manfrotto Super Clamps A very versatile and clever clamp that will grip from 55 mm Ø right down to 13 mm! 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. These are ingenious and talented clamps!

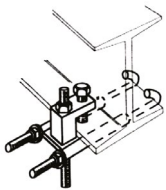
Manfrotto Super Clamps	WLL	weight	code	Tradeline
Single	15 kg	410 g	MAN035	£33.85
Fixed double	15 kg	830 g	MAN038	£66.38
Hex 16 mm lighting stud [M10]	15 kg	60 g	MAN174	£16.01

GIRDER CLAMPS



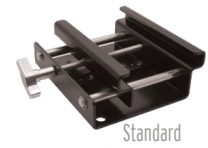
Gravlock Coupler A very useful fitting for securing 48.3 mm scaffolding bars to girders. Suitable for girder flanges up to 45 mm thick. Must be used in pairs.

Gravlock Coupler	code	price
Per pair	SCF116	£18.34



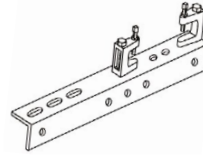
Light-Duty Girder Clamps
Designed to hang 12 mm studding from girders. Typical uses include fixing tab tracks.
For 150 - 190 mm beams with thicker flanges of up to 15 mm use the DOUF1087 hook bolt.

Light-Duty Girder Clamp	SWL	weight	code	price
Adjustable from 100 - 140 mm	250 kg	1.19 kg	DOU29800	£65.32
Adjustable from 150 - 190 mm	250 kg	1.19 kg	DOU29801	£61.81
Hook bolt for 15 mm flange			DOUF1087	£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.

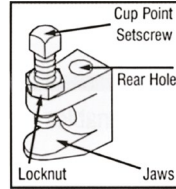
Marquee Clamps	fits beams	SWL	weight	code	price
Standard	50 - 110 mm	150 kg	1.3 kg	DOU28870	£73.60
Lightweight	80 - 125 mm	20 kg	0.5 kg	DOU28865	£41.15



Adjustable Girder Clamps with Indapters Uses two M12 Lindapter flange clamps [for spares see ↘] which are included in the price. Angle iron is black.

Adjustable Girder Clamp	SWL	weight	code	price
Adjustable from 75 - 150 mm	500 kg	1 kg	DOU29500	£63.18
Adjustable from 150 - 300 mm	500 kg	1 kg	DOU29600	£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.

drop rod	tightening torque [Nm]	SWL	weight	code	price
set screw	lock nut				
M10	8	22	2.4 kN	100 g	SCF108 £1.92
M12	8	22	3.1 kN	100 g	SCF107 £2.20
Angle: < 25° 25° - 45°					
M10 Beam	18	18	2.5 kN	1.5 kN	SCFLS10 £5.39

BRACKETS



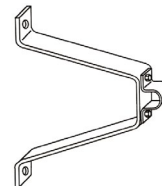
Ceiling Saddles Allows a fixing to a ceiling with an accessible 75 mm stand off for a bolt or studding. When used with universal clamps [page 236] it allows the barrel to stand off enough for hook clamp access. Drilled with 12 mm Ø fixing holes.

Ceiling Saddles	weight	code	price
BZP	440 g	DOU33700	£8.36
Black	440 g	DOU337001	£10.28



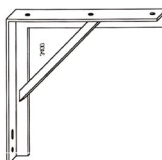
Universal Joint A very useful steel universal joint which has two M12 fixing holes. Can be used in conjunction with many other fittings such as the Ceiling Saddle [above] and the Universal Clamp [below].

Universal Joint	SWL	weight	code	price
BZP	100 kg	380 g	DOU30410	£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.

Pipe to Wall Brackets	weight	code	price
300 mm stand off	1.48 kg	DOU33300	£27.54
100 mm stand off	830 g	DOU33310	£26.69



Angle Iron Bracket Made from 50 x 50 mm angle, drilled, slotted and braced. Use in conjunction with a Universal Clamp [page 236] to secure 48.3 mm tubes.

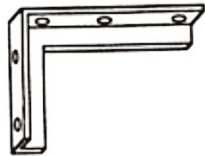
Angle Iron Bracket	weight	code	price
450 x 450 mm	2.72 kg	DOU34000	£41.26

U-BOLTS & HOOK BOLTS



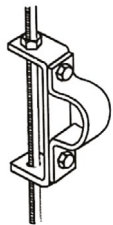
Slotted Wall Brackets Three sizes of very smart and versatile laser cut brackets.

Slotted Wall Brackets	WLL	weight	code	price
L x H x tk				
200 x 125 x 43 mm	25 kg	0.55 kg	DOUT84105	£31.78
350 x 150 x 43 mm	25 kg	0.90 kg	DOUT84106	£36.96
500 x 200 x 43 mm	25 kg	1.50 kg	DOUT84107	£42.08



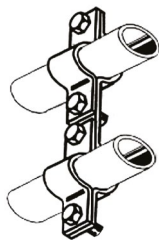
Face Fixing Bracket Made from 25 x 25 mm angle. Use in conjunction with a Universal Clamp [page 236] to secure 48 mm tubes.

Face Fixing Bracket	weight	code	price
195 x 242 mm	430 g	DOU34100	£21.48



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

Stud Hanger	fits tube \emptyset	weight	code	price
	48 mm	500 g	DOU30300	£10.53



Parallel Pipe to Pipe Brackets See also Boom Arms and double-ended Hook Clamps [page 352].

centres	weight	code	price
225 mm	970 g	DOU30900	£18.75
300 mm	1.10 kg	DOU31000	£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 \emptyset 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.

Wall Hanger	fits tube \emptyset	SWL	weight	code	price
	48 mm	100 kg	1.1 kg	DOUT30409	£19.11

SWIVEL ARMS



Swivel Arms Designed to allow a 25 mm \emptyset 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 [see page 226 for item HALT60517].

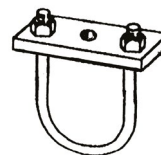
Swivel Arms	code	price
Swivel only for fixing to wood or master carrier	HAL5782	£59.88
Swivel for fitting to 48 mm tube [shown]	HAL3605	£63.76
Swivel with 2 m arm for 48 mm tube	HAL3614	£93.95
Swivel with 2 m arm for 75 - 150 mm girder	HAL3607	£121.79



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.

Hook Bolts with Nut and Washer	\emptyset	code	price
60 mm thread length 45 mm	M8	FIX3082	£0.35
80 mm thread length 53 mm	M8	FIX3081	£0.39
100 mm closes down to 50 mm	M8	FIX3083	£0.41
100 mm thread length 75 mm	M10	FIX3092	£1.50
120 mm closes down to 83 mm	M8	FIX3085	£0.49

For Hook Masonry Fixings see page 266.



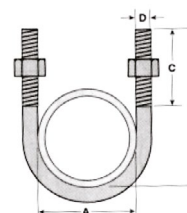
U-Bolts and Threaded Plates Holds boards to pipes securely. The plates have a centred M10 or M12 threaded hole. WLL 140 kg

U-Bolts and Plates	fits tube \emptyset	threaded hole	code	price
	32 mm	M10	DOUT32400	£8.36
	32 mm	M12	DOUT32500	£8.35
	48 mm	M10	DOUT33400	£6.88
	48 mm	M12	DOUT33500	£6.88



U-Bolts and Saddle Designed for use on Doughty Multibeam Brackets [page 219] but they have many other uses.

U-Bolts and Saddle	fits tube \emptyset	\emptyset material	code	price
	50 mm	8 mm	DOUT56900	£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 263]. The popular 51 mm \emptyset size [E35] is also available with extended legs.

U-Bolts for Steel Pipes	code	price	50+
A [\emptyset]			
21 mm	FIX3127	£0.33	-
27 mm	FIX3128	£0.34	-
34 mm	FIX3129	£0.43	-
44 mm	FIX3130	£0.58	-
51 mm	FIX3131	£0.89	£0.73
51 mm	FIX3131L	£1.14	£0.92
60 mm	FIX3132	£0.92	-
76 mm	FIX3133	£0.83	-
90 mm	FIX3134	£1.50	-

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.

Round Inserts	fits wall thk	code	price
Inserts 33.7 mm scaff tube [Size 6]	2.6 - 4 mm	FHS923	£0.22
Inserts 48.3 mm scaff tube [Size 8]	3.2 - 5 mm	FHS921	£0.42

TRADELINE FHS921 £290.00 for 1,000 inserts

Bullet End Stops for Conduit	code	price	100+
20 mm [gauge 0.8 - 2 mm]	FHS559	£0.22	£0.18
25 mm [gauge 0.8 - 2 mm]	FHS561	£0.24	£0.21
Round Boots	code	price	
Boot 48.3 mm scaffold tube	FHS920	£0.50	
Boot 50.8 mm scaffold tube	FHS922	£0.52	
Square Inserts	fits wall thk	code	price
1" x 1" square insert	1 - 2.5 mm	GEN500	£0.16
40 x 40 mm square insert	1.25 - 2 mm	GEN510	£0.32
40 x 40 mm square insert	2.6 - 4 mm	GEN511	£0.38
25 x 25 mm square insert	2 - 3.2 mm	GEN512	£0.17
2" x 2" square insert	2 - 3.2 mm	GEN502	£0.59
Rectangular Inserts	fits wall thk	code	price
50 x 25 mm rectangular insert	1.25 - 3 mm	GEN503	£0.34

WELDING ELBOWS



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

Welding Elbows	code	price
33.7 mm [outside Ø] fits Size 6	SCF900	£2.96
48.3 mm [outside Ø] fits Size 8	SCF904	£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.

Weld Discs [Blanks]	Ø	thk	code	price	100+
	32 mm	3 mm	SCF908	£1.05	£0.95
	41 mm	3 mm	SCF910	£1.21	£1.09
	60 mm	5 mm	SCF912	£1.71	£1.55
	100 mm	6 mm	SCF914	£2.81	£2.53

UNISTRUT



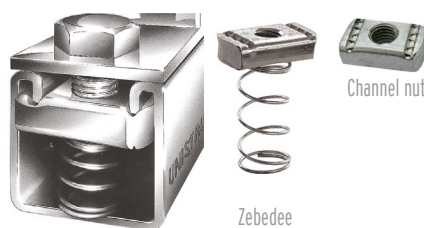
Unistrut Genuine Unistrut pre-galvanised channel 41 x 41 mm. Widely used for mounting fittings and ideal for mounting limit switches etc. which may require some final adjustments. Available plain for you to drill your own slots or

weld in place; or as the popular pre-slotted version. For our delivery policy regarding 6 m lengths see page 232.

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 318] but we also stock a special socket with a reduced waist which is ideal. See below .

Unistrut	code	3 m	code	6 m
P1000 [plain]	UNIP10003	£19.94	UNIP10006	£57.35
P1000 [slotted]	UNIPS10003	£19.94	UNIPS10006	£57.35

Check out the Zip Clip STRUT-LOCK on page 176

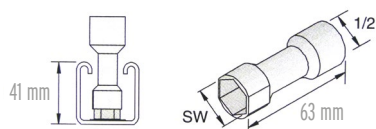


Channel Nuts and Zebedees Plain channel nuts or clamping nuts with long springs with a bright zinc-plate finish. Fits the channels shown above. Boing... time for bed...

Channel nuts	code	price	100+
M10	UNIPNP10ZP	£0.26	£0.21
M12	UNIPNP12ZP	£0.54	£0.42

Zebedees	code	price	100+
M10	UNIPNL10ZP	£0.31	£0.25
M12	UNIPNL12ZP	£0.76	£0.65

UNISTRUT SOCKETS



Unistrut Sockets They are a bit pricey but they could make your life a lot easier. Our Long Reach Podger 13 x 17

[POD1317L] does get inside the channel but it scrapes on the side [page 318]. These special M10 [17 mm] sockets with a 1/2" drive have a reduced waist especially designed for an easy fit in 41 mm Unistrut Channel .

Unistrut Socket	max torque	weight	code	price
M10 x 1/2" drive	30 Nm	130 g	TOL17AF	£35.00