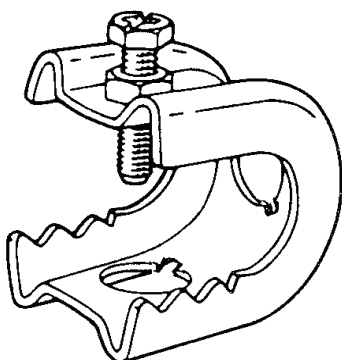
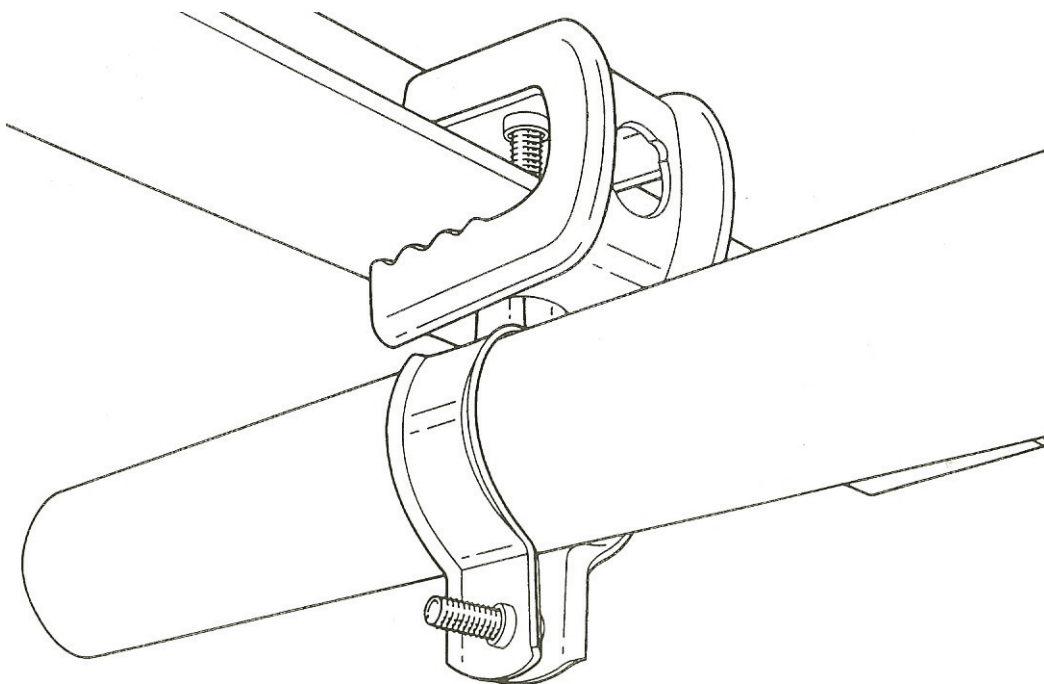


SPRINGER SYSTEMS CATALOGUE

BEAM CLAMPS, PIPE CLIPS
AND STAINLESS STEEL BANDING



Australian Distributor

L.S.A. ELECTRICAL PTY. LTD.

FAX (03) 9723-7127 PHONE (03) 9723-7333

A.B.N. 22 189 542 359

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FACTORY ADDRESS

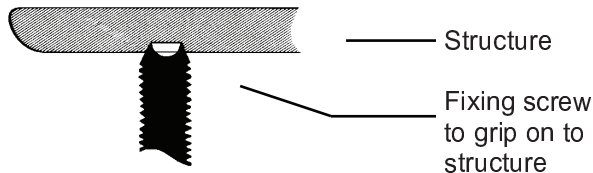
1/23 ORCHARD STREET KILSYTH VIC. 3137

Email sales@springersystems.com.au

METAL CLAMPS FOR GENERAL ANGLE AND H SECTION TYPE STEEL.

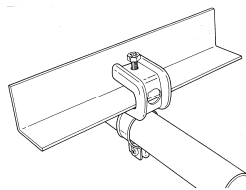
The U RACK metal clamp is a quick, effective method of attaching conduits and pipes to structural beams without drilling or welding. There are no special tools required other than a spanner or screwdriver.

The fixing screw is shaped to grip on to the structural material and in the larger sizes features an additional locknut. The clamps can be installed in any position with keyed fixing holes for the UC clips providing 360 degree application.

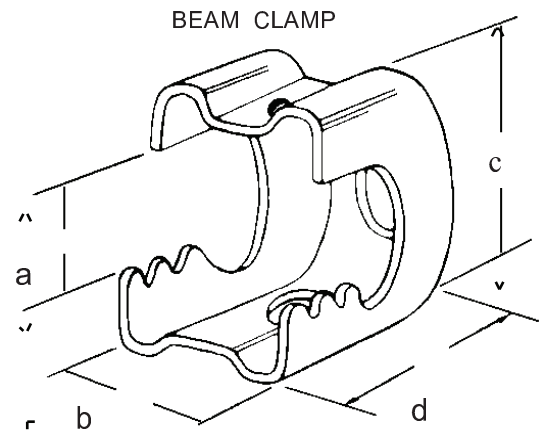


LONGER FIXING SCREW

The U-2 beam clamp now has a longer fixing screw and will now fit most C or Z purlins as well as structural beams up to 22mm thick.

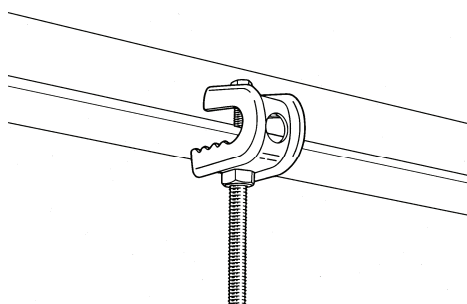
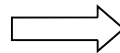


U RACK SPECIFICATION



Type	(beam size)	Main Body		Attached Screw		Main Body	Clip Hole		Packing	
		Material	Surface Treatment	Size in	Material	axbxcxd	Dia in	No per	Box	Ctn
U-1	16mm	Hot rolled steel (JIS SPHC)	Electric galvanized	Hex head M6x25	Steel Electric galvanize d	16x34x41x47	14	2	20	200
U-2	22mm			M6 x 30mm		22x35x45x47	14	2	20	200
U-3	29mm			Hexhead M8x30 &		29x39x59x62	14	2	20	160
U-4	50mm			Hexhead M8x45 &		50x39x84x75	14	2	10	40

Typical example of fixing conduits or pipes to structural steel.
New improved UC clips key into clamps making it easier to saddle the conduits.



NEW

U-1T 10mm Beam clamp
Available in electro-galvanised or stainless steel.



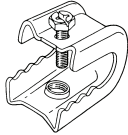
SPRINGER

QUICK REFERENCE CHART

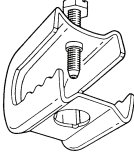
Ph 03 9723 7333

Fax 03 9723 7127

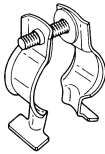
U-1T 10mm THREAD



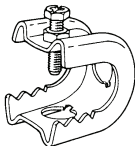
U-1D CLAMP



UC-CLIP



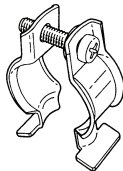
NEW KEYED HOLES



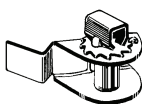
U-2D BEAM CLAMP



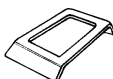
REDESIGNED



SS-1 STRAINER



BP-40



TYPE	CAT No	DESCRIPTION	PACK QTY	CARTON QTY
U RACK BEAM CLAMPS (INDOOR)				
INDOOR (EG)	U-1	BEAM CLAMP max 16mm	20	200
	U-2	BEAM CLAMP max 22mm	20	200
	U-3	BEAM CLAMP max 29mm	20	160
	U-4	BEAM CLAMP max 50mm	10	40
	U-1T	BEAM CLAMP 10mm THREAD	20	200
UC CLIPS (INDOOR)				
INDOOR ELECTRIC GALV	UC-20	20mm CONDUIT CLIP	50	500
	UC-25	25mm CONDUIT CLIP	50	500
	UC-32	32mm CONDUIT CLIP	25	250
	UC-40	40mm CONDUIT CLIP	25	250
	UC-50	50mm CONDUIT CLIP	25	250
U RACK BEAM CLAMPS (OUTDOOR)				
OUTDOOR (HDG)	U-1D	BEAM CLAMP max 16mm	20	200
	U-2D	BEAM CLAMP max 22mm	20	200
	U-3D	BEAM CLAMP max 29mm	20	160
	U-4D	BEAM CLAMP max 50mm	10	40
STAINLESS STEEL	U-1TSS	BEAM CLAMP 10mm THREAD	20	200
	U-2SS	BEAM CLAMP max 22mm	20	200
UC CLIPS (OUTDOOR)				
HDG	UC-16D	16mm CONDUIT CLIP	50	500
OUTDOOR HOT DIPPED GALV	UC-20D	20mm CONDUIT CLIP	50	500
	UC-25D	25mm CONDUIT CLIP	50	500
	UC-32D	32mm CONDUIT CLIP	25	250
	UC-40D	40mm CONDUIT CLIP	25	250
	UC-50D	50mm CONDUIT CLIP	25	250
	UC-28D	34mm WATERPIPE CLIP	25	250
	UC-36D	1 1/4" WATERPIPE CLIP	25	250
	UC-42D	1 1/2" WATERPIPE CLIP	25	250
	UC-54D	2" WATERPIPE CLIP	25	150
STAINLESS STEEL	UC-20SS	20mm CONDUIT CLIP	50	500
	UC-25SS	25mm CONDUIT CLIP	50	500
	UC-32SS	32mm CONDUIT CLIP	25	250
	UC-40SS	40mm CONDUIT CLIP	25	250
	UC-50SS	50mm CONDUIT CLIP	25	250
STAINLESS STEEL BAND AND FITTINGS				
STAINLESS STEEL BAND AND FITTINGS	SS-1	10mm STRAINER	20	500
	SB1-10M	10mm X 10 METRE BAND	1	10
	SB1-20M	10mm X 20 METRE BAND	1	10
	SB1-50M	10mm X 50 METRE BAND	1	10
	SS-2	20mm STRAINER	20	500
	SB2-10M	20mm X 10 METRE BAND	1	10
	SB2-20M	20mm X 20 METRE BAND	1	10
	SB2-50M	20mm X 50 METRE BAND	1	10
	SB1-HP	10mm HANDY PACK KIT	1	10
	SB2-HP	20mm HANDY PACK KIT	1	10
	SB2-PP	20mm POLE PACK KIT	1	10
	BP-10	10mm FITTING	20	500
	BP-40	20mm FITTING	20	500

AVAILABLE FROM YOUR LOCAL ELECTRICAL WHOLESALE

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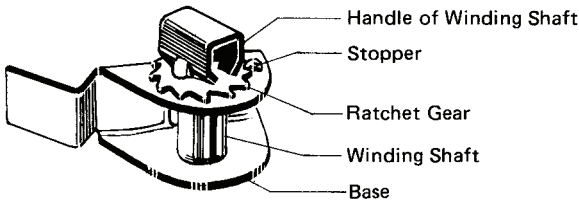


STAINLESS STEEL BAND AND FITTINGS

The ratchet gearing mechanism enables efficient fastening operation by simply winding the ratchet type strainer tightening the band around the pole or structure. No special tool is required only a screw driver.

It is suitable for fixing conduits , pole cover strip and lightweight apparatus.

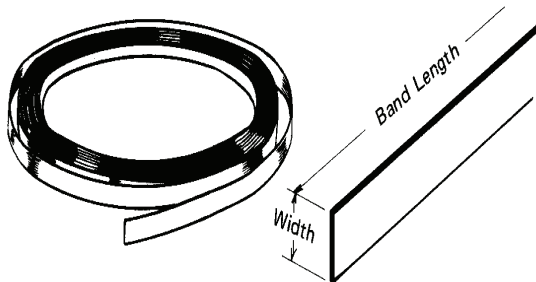
The system is capable of offering labour saving fixing for conduits following or crossing pipework, ducts and odd shaped beams with no drilling required.



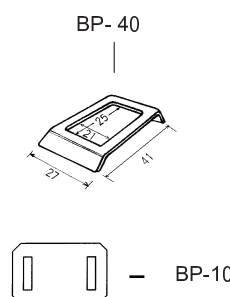
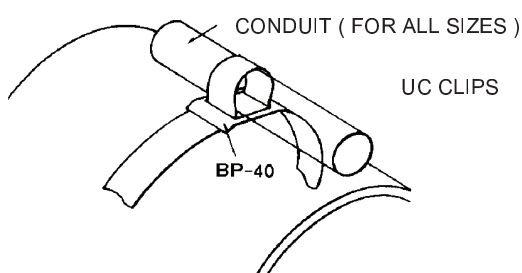
STRAINER SPECIFICATION

Type	Material	Band width	Application	Pack Qty
SS-1	Stainless	10mm	Indoor	20
SS-2	SUS-304	20mm	Outdoor	20

BAND SPECIFICATION



Type	Material	Band width in	Band length in	Matching
SB1-10M	Stainless steel SUS-304	10mm	10m	SS-1
SB1-20M			20m	
SB1-50M			50m	
SB2-10M		20mm	10m	SS-2
SB2-20M			20m	
SB2-50M			50m	
SB2-PP	20mm Pole pack kit complete with 1 x 20 metre band, 8 x SS			
SB1-HP	10mm Handy pack - 1 x 10 metre band & 6 x SS-1 strainers			
SB2-HP	20mm Handy pack - 1 x 10 metre band & 6 x SS-2 strainers			



STANDARD WINDING METHOD

CUTTING BAND

Using serrated tin snips cut the band to the approximate circumference of the pole or structure allowing for the conduit size and about 10cm . Bend the band about 5cm from the end and fold back through the strainer as in illustration 1 .

FITTING THE BAND

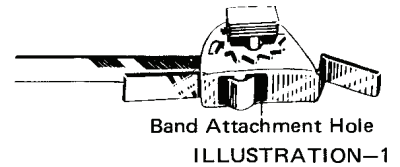
Place the band around the pole or structure using the type of fitting required (e.g. BP-40) and feed the end through the middle of the strainer as in illustration 2 .

The band can be double wound for small diameter structures or when extra strength is required as in illustration 5 .

TIGHTENING BAND

Place a screw driver end in the strainer as in illustration 3 and wind in a clockwise direction to the required tension. While tensioning make any adjustments to the band to achieve a good appearance .

ALL STAINLESS STEEL FITTINGS (SUS-304)



Band Attachment Hole
ILLUSTRATION-1



ILLUSTRATION-2

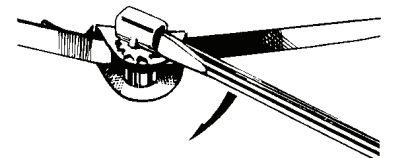
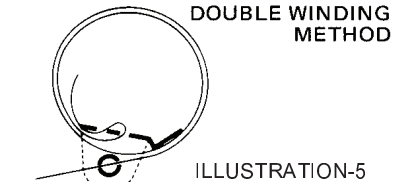


ILLUSTRATION-3



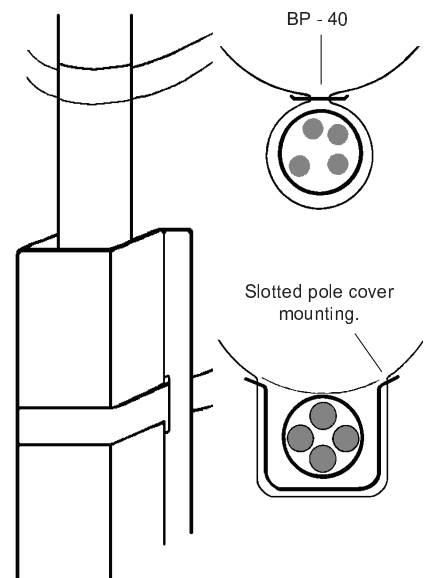
ILLUSTRATION-4



DOUBLE WINDING METHOD
ILLUSTRATION-5

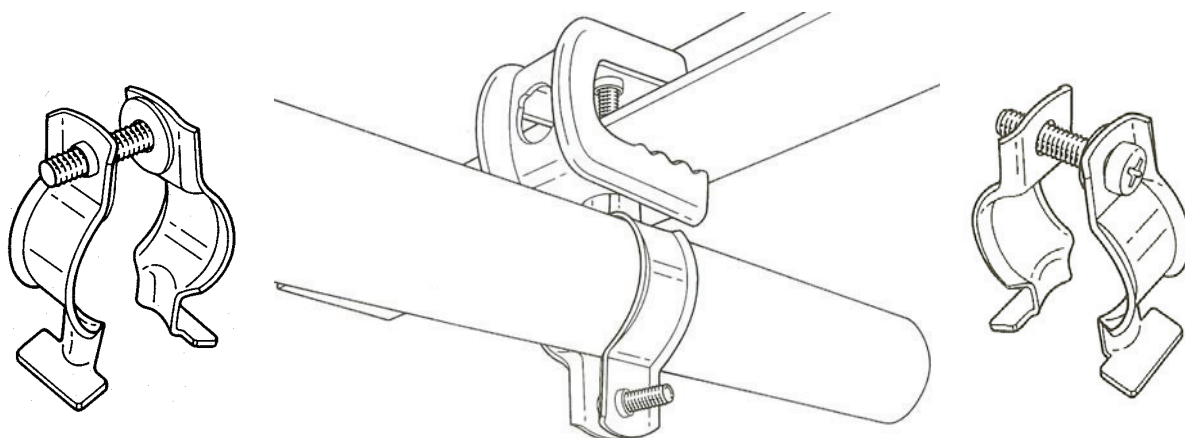
APPLICATION EXAMPLE

Pole cover mounting and use of BP-40 fitting.



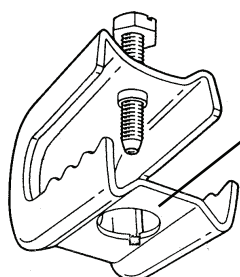
UC CLIPS INDOOR AND OUTDOOR.

THE UC CLIPS TO BE USED IN CONJUNCTION WITH THE U RACK BEAM CLAMPS.
THE NEW IMPROVED CLIPS KEY INTO THE CLAMPS HANGING CAPTIVE
MAKING IT EASIER TO FIT CONDUITS INTO POSITION. THE CAPTIVE FIXING
SCREW CAN BE EASILY SCREWED INTO THE TAPPED HALF OF THE CLIP.



UC CLIP SPECIFICATION CHART

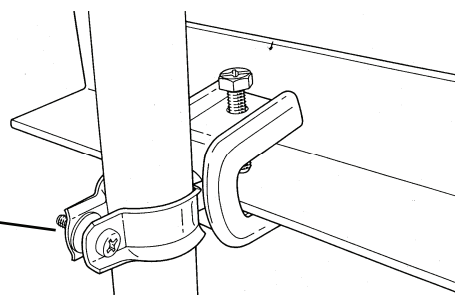
Type	Catalogue Number	Conduit sizes in mm	Other pipe sizes	Minimum / Maximum inside clip diameter in mm		Main body material	Surface treatment	Screw size & type		Box / Carton quantities	
								Screw size	Material		
Indoor	UC-20	20mm		19mm	21mm	Hot rolled mild steel (JIS SPHC)	Electric galvanized Chromate treatment	M5x20	Electric galvanized	50	500
	UC-25	25mm	3/4" W/P	25mm	27mm			M5x20		50	500
	UC-32	32mm	1" W/P	31mm	33mm			M5x20		25	250
	UC-40	40mm		38mm	42mm			M6x25		25	250
	UC-50	50mm		50mm	56mm			M6x25		25	250
Outdoor	UC-16D	16mm		16mm	17mm		Hot dipped galvanized	M5x20	Stainless steel SUS304	50	500
	UC-20D	20mm		19mm	21mm			M5x20		50	500
	UC-25D	25mm	3/4" W/P	25mm	27mm			M5x20		50	500
	UC-32D	32mm	1" W/P	31mm	33mm			M5x20		25	250
	UC-40D	40mm		38mm	42mm			M6x25		25	250
	UC-50D	50mm		50mm	55mm			M6x25		25	250
	UC-28D		34mm W/P	33mm	36mm			M5x20		25	250
	UC-36D		1 1/4" W/P	42mm	46mm			M5x20		25	250
	UC-42D		1 1/2" W/P	45mm	48mm			M6x25		25	250
	UC-54D		2" W/P	56mm	61mm			M6x25		25	150
Stainless steel	UC-20SS	20mm		19mm	21mm	Stainless steel SUS304		M5x20		50	500
	UC-25SS	25mm	3/4" W/P	25mm	27mm			M5x20		50	500
	UC-32SS	32mm	1" W/P	31mm	33mm			M5x20		25	250
	UC-40SS	40mm		38mm	42mm			M6x25		25	250
	UC-50SS	50mm		50mm	55mm			M6x20		25	250



Beam clamps available in 4 sizes and 3 finishes up to 50mm jaw opening.

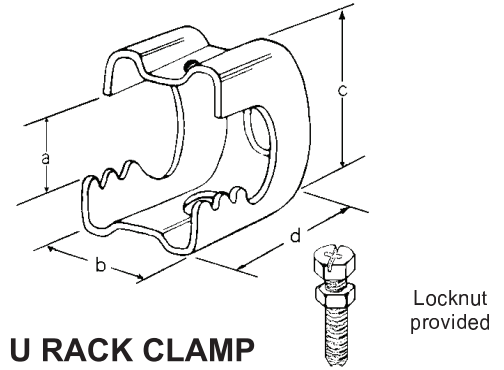
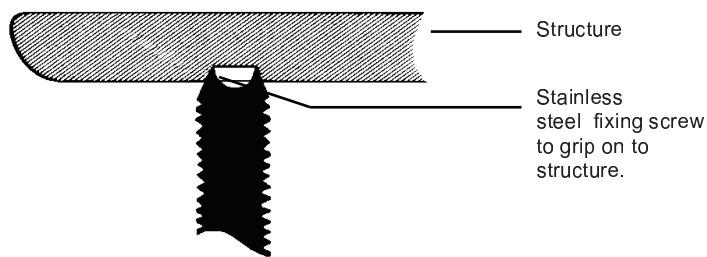
Redesigned keyed 14mm holes.

Captive Philips head screw fitted with nylon washer. Tapped thread in half clip.



METAL CLAMPS FOR GENERAL ANGLE AND H SECTION TYPE STEEL.

The U RACK hot dipped galvanized metal clamp is a quick, effective method of attaching conduits and pipes to structural beams without drilling or welding. There are no special tools required other than a spanner or screwdriver. The stainless steel fixing screw is shaped to grip on to the structural material and in all sizes features an additional locknut. The clamps can be installed in any position with the new design keyed fixing holes providing 360 degree application.



U RACK OUTDOOR SPECIFICATION

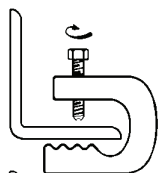
U RACK CLAMP

Type	Foot width in mm Diagram (A)	Main Body		Attached Screw		Main Body size in mm a x b x c x d	Clip Hole		Packing	
		Material	Surface Treatment (Outdoor)	Size in mm	Material		Dia in mm	No per unit	Box	Ctn
U-1D	16mm	Hot rolled mild steel (JIS SPHC)	Hot dipped galvanized	Hex head M6x30 & locknut	Stainless Steel (SUS304)	16x34x41x47	14	2	20	200
U-2D	22mm			Hex head M6x30 & locknut		22x35x45x47	14	2	20	200
U-3D	29mm			Hexhead M8x30 & locknut		29x39x59x62	14	2	20	160
U-4D	50mm			Hexhead M8x45 & locknut		50x39x84x75	14	2	10	40

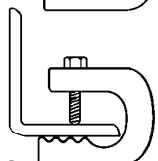
U RACK INSTALLATION AND STATIC LOAD CAPACITY.

TEST DATA

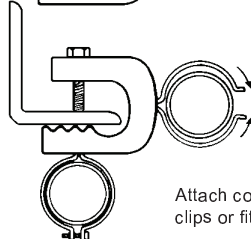
U Rack working static load capacity is calculated at less than 1/4 of the maximum load capacity.



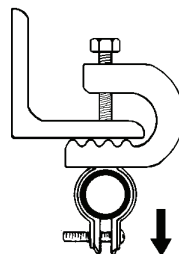
Attach U Rack by tightening screw clamping on to beam.



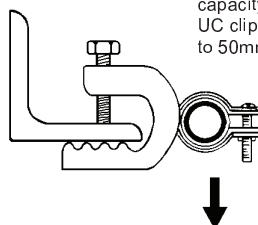
Fixing screw grips on to beam.



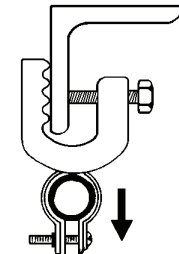
Attach conduits using UC clips or fittings.



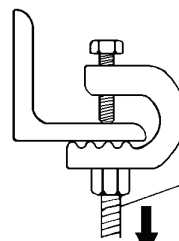
Working static load capacity 40 kg
All UC clip sizes.



Working static load capacity 15kg
UC clip sizes up to 50mm diameter.



Working static load capacity 15kg All UC clip sizes.



U-1T Tapped 10mm thread
Available in Electro-gal or 304 stainless steel.
Working load capacity when used with 10mm threaded rod. 40 kg.



L.S.A. ELECTRICAL PTY. LTD.

ACN 005 842 795

ABN 22 189 542 359

CONDITIONS OF SALE

GENERAL

These conditions of Sale apply to the sale of items included in the current SPRINGER SYSTEMS price list, or where a quotation is made, they shall form part of that quotation. No variation or cancellation of these conditions of Sale shall be binding on the company unless assented to the Company in writing.

PRICES

The trade prices shown are recommended prices only and there is no obligation to comply with these recommendations. All prices shown are subject to change without notice and the goods will be invoiced at the date of despatch.

TERMS

Payment 30 days from invoice date unless otherwise stated. All prices are nett cash payable to L.S.A Electrical Pty Ltd. All payments shall in all cases, be allocated to the oldest account due for payment. Installments or part delivery of goods shall be paid for separately and payment shall be made on or before the due date as stated above.

PACKING

Unless stated otherwise the price quoted includes packing in accordance with the Company's standard practice. Any other packing requested by the purchaser or deemed necessary by the Company will be charged for in addition to the price quoted.

DELIVERY

Every effort will be made to effect delivery in the time promised, however late delivery or non-delivery due to circumstances beyond the Company's control shall not constitute a breach of contract by the Company and the Company shall not be liable for any loss or damage howsoever arising through such late delivery or non-delivery.

LOAD RATINGS

All load ratings shown are based on the static load capacity and are calculated at less than 1/3 of the maximum load capacity. It should be noted that all load ratings are maximum values per fixing item. In the case where more than one load is applied to the fixing the total load should not exceed the indicated value.

CORROSION

Note the surface treatment of the product, the type of structure and environment can change corrosion activity. It is the user's responsibility to match the product to the application.

CAUTION

Incorrect application, misuse or deforming can cause failure of the product and could result in possible damage to property or bodily injury. It is the responsibility of the user to ensure the product is used as specified and that the loads specified are for static conditions and do not account for wind, water or other acts of nature.

CLAIMS

Any claims for errors, defects, shortages or non-conformities must be made in writing within 20 days of despatch. The Company will at its option either replace or refund the purchase price of the goods. Products claimed defective must upon request be returned to L.S.A Electrical Pty Ltd for inspection.

WARRANTY

All goods which are the Company's own or the Company's principal manufacture are guaranteed against faulty workmanship, materials or design for a period of twelve months from the date of dispatch after which all liability on the part of the Company ceases. The Company's liability for any loss, injury or damage shall be limited to making good by replacement or repair of defects which appear under proper use provided that the Company is permitted to inspect defects before replacement, the defective parts being returned free into the Company's store. Any unauthorised repairs or alterations to the equipment invalidates this warranty. In the case of goods not of the manufacture of the Company or its principals, the company undertakes that it will, if requested in writing by the purchaser, make all reasonable endeavour in assisting the purchaser to obtain from the manufacturer the benefit of any guarantee or warranty which the manufacturer may have expressly given as to the quality or fitness for any purpose of the goods except as may otherwise be provided for by law. The fulfilment of this undertaking constitutes the Company's sole liability for any loss of profits or any other consequential loss or damage suffered by the purchaser in consequence of any defect in material or workmanship of the goods (whether of the manufacture of the company or its principals or otherwise), or the failure of the goods to perform in accordance with any performance figure stated.

INDEMNITY

The purchaser must comply with all instructions of the Company in relation to the fitting, installation and use of the goods. Notwithstanding such compliance, the purchaser must keep the Company indemnified against all claims expenses and liabilities of whatever nature including, without limiting the generality of the foregoing, claims for death, personal injury, damage to property, and consequential loss, including loss of profit which may be made against the Company or which the Company may sustain pay or incur arising out of the manufacture or sale of the goods, unless the same is directly and solely attributable to any breach of contract or by negligence of the Company or its authorised employees or agents.