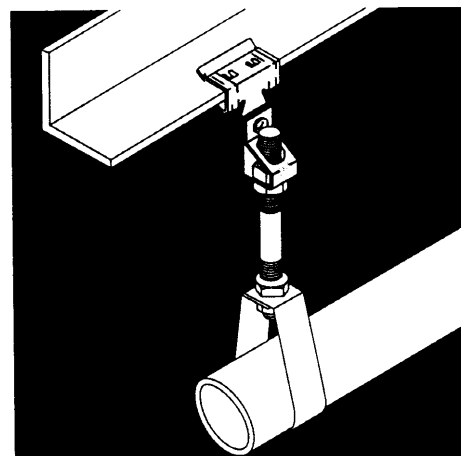
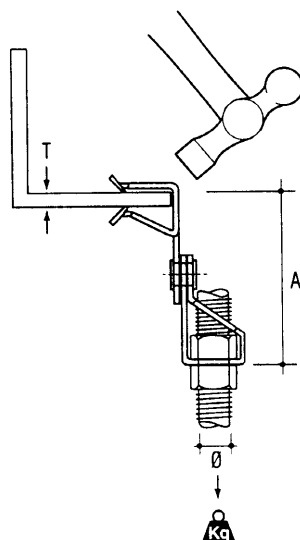
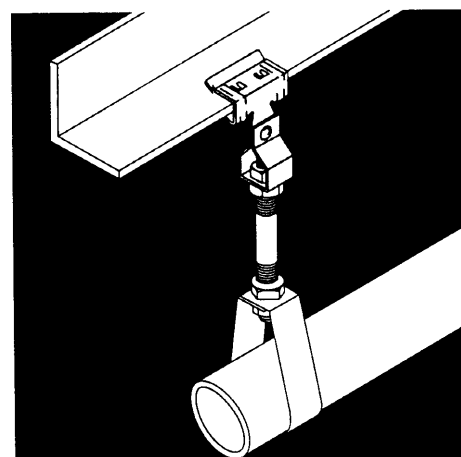
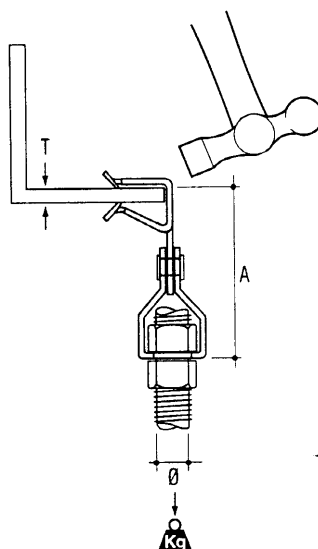


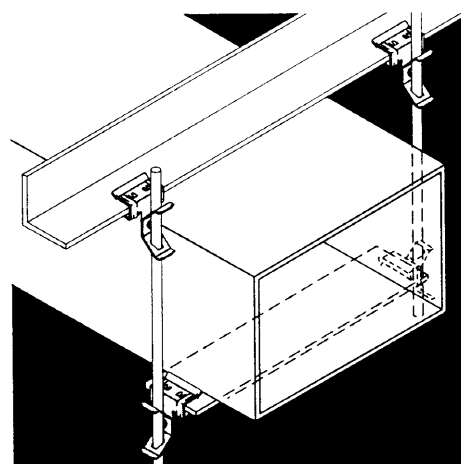
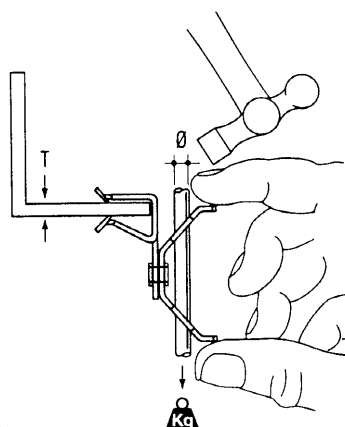
REF	T (mm)	Ø (mm)	A (mm)	Kg	F	
AH153-AM127	1.5-3	12.7	44	68	F8	25
AH38-AM127	3-8	12.7	46	68	F8	25
AH814-AM127	8-14	12.7	54	68	F8	25
AH1420-AM127	14-20	12.7	66	68	F8	25
AH153-AM6T	1.5-3	M6	44	68	F8	25
AH38-AM6T	3-8	M6	46	68	F8	25
AH814-AM6T	8-14	M6	54	68	F8	25
AH1420-AM6T	14-20	M6	66	68	F8	25
AH153-AM8T	1.5-3	M8	44	68	F8	25
AH38-AM8T	3-8	M8	46	68	F8	25
AH814-AM8T	8-14	M8	54	68	F8	25
AH1420-AM8T	14-20	M8	66	68	F8	25
AH153-AM10T	1.5-3	M10	44	68	F8	25
AH38-AM10T	3-8	M10	46	68	F8	25
AH814-AM10T	8-14	M10	54	68	F8	25
AH1420-AM10T	14-20	M10	66	68	F8	25

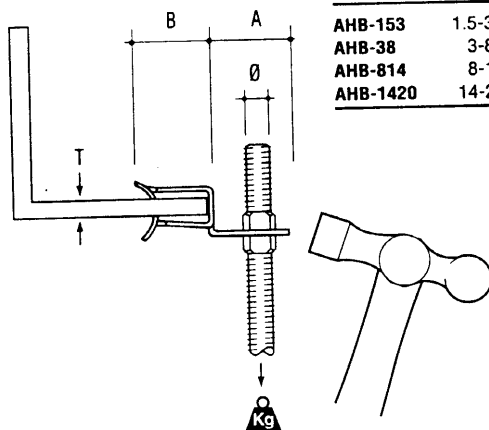
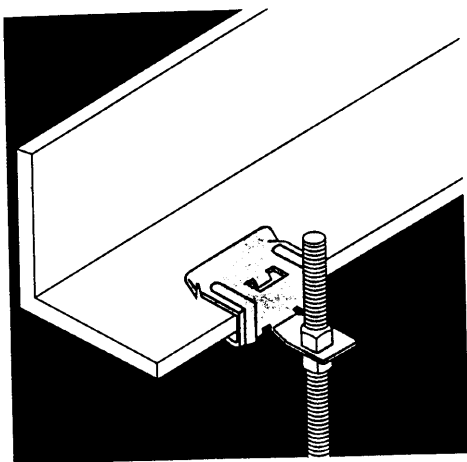


REF	T (mm)	Ø (mm)	A (mm)	Kg	F	
AH153-YM127	1.5-3	12.7	48	72	F8	25
AH38-YM127	3-8	12.7	48	90	F8	25
AH814-YM127	8-14	12.7	56	90	F8	25
AH1420-YM127	14-20	12.7	70	90	F8	25

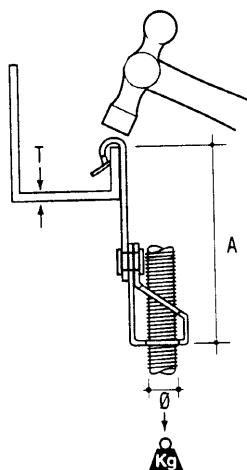
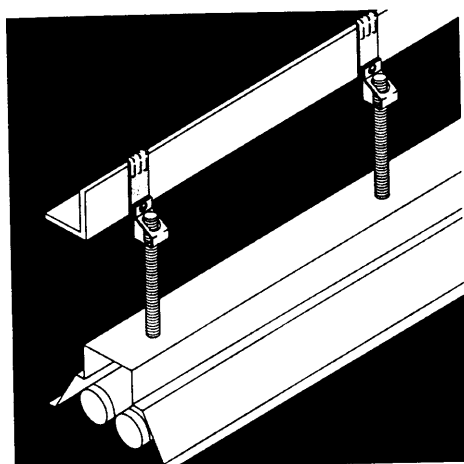


REF	T (mm)	Ø (mm)	Kg	F	
AH153-BM4	1.5-3	4/M4	72	F8	25
AH38-BM4	3-8	4/M4	90	F8	25
AH814-BM4	8-14	4/M4	90	F8	25
AH1420-BM4	14-20	4/M4	90	F8	25
AH153-BM6	1.5-3	6/M6	72	F8	25
AH38-BM6	3-8	6/M6	90	F8	25
AH814-BM6	8-14	6/M6	90	F8	25
AH1420-BM6	14-20	6/M6	90	F8	25
AH153-BM8	1.5-3	8/M8	72	F8	25
AH38-BM8	3-8	8/M8	90	F8	25
AH814-BM8	8-14	8/M8	90	F8	25
AH1420-BM8	14-20	8/M8	90	F8	25
AH153-BM10	1.5-3	10/M10	72	F8	25
AH38-BM10	3-8	10/M10	90	F8	25
AH814-BM10	8-14	10/M10	90	F8	25
AH1420-BM10	14-20	10/M10	90	F8	25

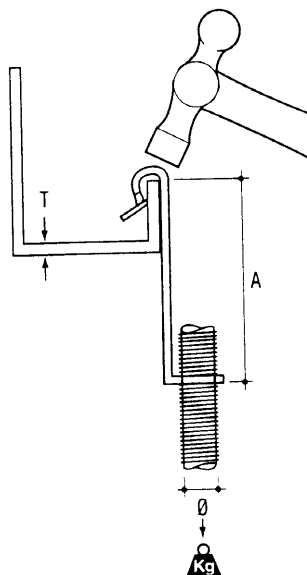
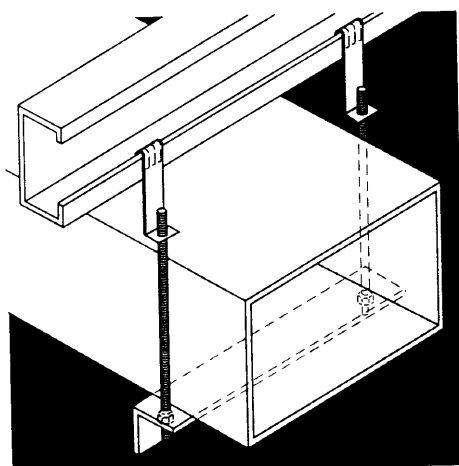




REF	T (mm)	Ø (mm)	A (mm)	B (mm)	Kg	F	
AHB-153	1.5-3	6.5	22	12.5	20	F8	25
AHB-38	3-8	6.5	25	20.3	20	F8	25
AHB-814	8-14	6.5	26	20.3	20	F8	25
AHB-1420	14-20	6.5	27	26.6	20	F8	25



REF	T (mm)	Ø (mm)	A (mm)	Kg	F	
AV155-AM127	1.5-5	12.7	70	68	F8	25
AV155-AM6T	1.5-5	M6	70	68	F8	25
AV155-AM8T	1.5-5	M8	70	68	F8	25
AV155-AM10T	1.5-5	M10	70	68	F8	25
AV57-AM127	5-7	12.7	70	68	F8	25
AV57-AM6T	5-7	M6	70	68	F8	25
AV57-AM8T	5-7	M8	70	68	F8	25
AV57-AM10T	5-7	M10	70	68	F8	25



REF	T (mm)	Ø (mm)	A (mm)	Kg	F	
AVB-6T	1.5-5	M6	34	20	F8	100
AVB-8T	1.5-5	M8	34	20	F8	100

Quality Assurance

E-Klips is registered for BS EN ISO 9001 and has a comprehensive test and inspection programme so that all products comply with our specifications, whether they are of our own manufacture or from a quality approved source. This is to ensure that all order requirements are met. Any further details required on quality are available on request.

Protection against corrosion

The majority of E-Klips spring steel fasteners are mechanically zinc plated. The clips are subjected to a process of MECHANICAL GALVANISING, which deposits a layer of zinc to a minimum thickness of 25 microns, followed by a passivation process that organically creates a protective layer in the zinc. This gives a high level of protection against first white corrosion and first red rust according to ASTM-B695-90 or equivalent.

The corrosion resistance is measured by a salt spray test conforming to ASTM-B-117-90, DIN 50021 or equivalent. E-Klips mechanically galvanised products are salt spray rated to a minimum of 500 hours and are coded F8 or F9.

Key to finishes and applications:

- F1 Electroplated zinc finish, generally 8-12 microns thick with chromate coating, approximately 72 hours salt spray resistance ASTM-B117-90, DIN 50021, suitable for indoor, non-corrosive environments.
- F2 Galvanised, generally hot dipped to a thickness of 50-70 microns, suitable for indoor and outdoor, humid and mildly corrosive environments.
- F3 Stainless steel, suitable for indoor and outdoor and mildly corrosive environments.
- F4 Painted finish to compliment indoor applications.
- F5 Black phosphate finish in accordance with BS3189 Class 1 suitable to achieve 72 hours salt spray rating for indoor, non-corrosive environments.
- F6 Self colour, unfinished and unprotected product for indoor applications.
- F7 Flexible plastic coating with good chemical and corrosion resistance to protect the base material.
- F8 Mechanically galvanised and passivate process as described above to give a 500 hour salt spray rating, suitable for indoor and outdoor, humid and mildly corrosive environments.
- F9 Mechanically galvanised and passivate process as described above to give a 600 hour salt spray rating, suitable for indoor and outdoor, humid and mildly corrosive environments.

Load Rating

The load rating of E-Klips fasteners is expressed as a maximum static load limit. This is the stationary vertical load limit for a fixing product and incorporates a significant safety factor. Where fasteners are combined, the load rating is determined by the lowest rated fastener. If the load rating of the steel work is less than that of the fastener, this becomes the maximum static load rating for the system. For further information please contact the sales office.

Materials

E-Klips products are manufactured using steel in accordance to BS1449 PT2 grade CS70. Furthermore products are annealed and oiled.

All components are hardened and austempered using the shaker hearth furnace method to give a final hardness reading of 400-450 HV-10 Vickers.

Warranty and limitations

E-Klips warrants to the buyer that the products sold in this catalogue shall be free of defects in material and workmanship at the time of shipment. Buyer's sole and exclusive remedy under this warranty is limited to repair or replacement, at our option, of the product, or any part or parts thereof, which have been returned to us, with transportation charges prepaid to our factory, and which we determine to have been defective at time of original factory shipment. We disclaim any liability for incidental or consequential damages which may be incurred either by the buyer or user of E-Klips fasteners. E-Klips neither assumes or authorises any person to assume for it any obligation in the connection with the sale of the product in excess of the above mentioned warranty and remedy.

Misapplication

E-Klips spring steel fasteners are intended for indoor and outdoor use in a mildly corrosive atmosphere and within the published load limits. E-Klips assumes no liability for any misapplication of any fastener. A misapplication of a fastener includes any or all of the following:

- a) Use beyond published load limits (see catalogue).
(Note: all load ratings, unless specified, are vertical load ratings for normal fastener application).
- b) Installation in a manner other than per instructions.
- c) Use in an environment which is or might be corrosive.
- d) Use in an application not published by E-Klips, as shown in the fasteners product catalogue.
- e) Use without compliance with local/national code regulations.

NB: Owing to manufacturing improvements, some fasteners supplied may differ from those illustrated. However, the static loads stated still apply.

We reserve the right to make any alterations to the information contained in this brochure which we consider to be either necessary or advantageous.

This brochure is designed to provide only preliminary information on the products and services provided by E-Klips and is not a contract.

The company does not accept any liability for loss or damage arising from failure to follow its instructions in respect of its products or from variations to products not agreed by it.

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