

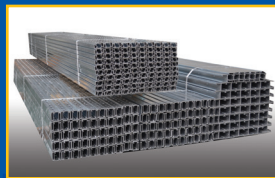
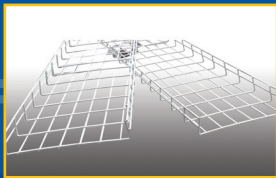


*Select*

**EMI**<sup>®</sup>

EVEREST METAL INDUSTRIES L.L.C.

Manufacturers of  
Cable Management Systems



*Building Relationships*



(Listed Products)

Series 6' 15

## Introduction

Our aim at Everest Metal Industries LLC (EMI) is to offer a high quality, competitively priced Cable Management System for the Electrical Market.

Today's Electrical installers requirements are wide and varied and EMI Cable Management Systems are ideally placed to meet these needs. Whatever Cable Support System is required, EMI Cable Management Systems offers a system that will provide the solution to the clients needs.

Light weight Cable Trunking, Single or Multi-Compartment, Perforated Trays and Cable Ladders, Floor Trunking, Wire Mesh are available in standard sizes can be manufactured and also to the client requirements. Metal Framing supports are also available with wide range of bracketory.

EMI factory is located in the Industrial area in Dubai Investment Park-2 and ideally located to service to the whole of the United Arab Emirates having sales offices in Dubai, Abu Dhabi & Other Gulf Countries.



Our staff have been selected from their wealth of experience covering Electrical, Mechanical, and Civil Engineering disciplines.

EMI was formed to provide high quality product to service the Electrical and Mechanical installers in the U.A.E. as well as the rest of the Gulf States. Etisalat, ADNOC, ADWEA, DEWA have already used our product ranges. Contractors from all over the region have used EMI Product from Electrical sub-station to Shopping Malls, the Residential Building to Commercial Building, Pumping Station to Airport & Marine Industries etc.

Only prime quality material bought directly from overseas mills is used to produce our Trunking, Ladder and Perforated Tray Products.

## EMI QUALITY POLICY

The DRIVING FORCE in the successful performance of EMI is the incorporation of quality into all our products, equipment and services.

Our policy is to always attain, and wherever possible, exceed the standards expected by our customers. This can only be achieved by developing, establishing and maintaining a Quality Management System that encompasses all of our personnel and activities.

The Quality Program, as described in this manual, has been approved by all levels of management for issue and implementation within the company. The purpose of this program is to ensure that all products, services and equipment provided will meet or exceed the requirements specified by our customers, by appropriate controlling documents and as set forth by corporate management.

EMI will continually improve the Quality Management System.

Each department is required to implement the Quality Program in its area of responsibility. The Director shall resolve conflicts that cannot be resolved by the Quality Manager and department managers.

Resolution of such conflicts shall be in accordance with the requirements of controlling documents and this Quality Manual. I fully support and approve this program.

**Everest Metal Industries L.L.C.**



## CERTIFICATE

Management system as per  
**EN ISO 9001 : 2008**

In accordance with TÜV NORD CERT procedures, it is hereby certified that

**EVEREST METAL INDUSTRIES LLC**  
Dubai Investment Park - 2  
P. O. Box 14204, Dubai  
United Arab Emirates



applies a management system in line with the above standard for the following scope

**Manufacturers of Cable Management Systems**

Certificate Registration No. 44 100 066324  
Audit Report No. 5800 2762



Certification Body  
at TÜV NORD CERT GmbH

Valid from 2013-01-27  
Valid until 2016-01-28  
Initial certification 2008

Abu Dhabi, 2014-11-18

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH      Langemarckstraße 20      45141 Essen      [www.tuev-nord-cert.com](http://www.tuev-nord-cert.com)



Deutsche  
Akreditierungsstelle  
D-53117 Bonn

## CERTIFICATE OF COMPLIANCE

<b>Certificate Number</b>	20140612-E469098
<b>Report Reference</b>	E469098-20140611
<b>Issue Date</b>	2014-JUNE-12

**Issued to:** EVEREST METAL INDUSTRIES L L C  
Po Box 14204  
Dubai UNITED ARAB EMIRATES

**This is to certify that representative samples of**

CABLE TRAY SYSTEMS AND CABLE LADDER SYSTEMS CERTIFIED TO IEC PUBLICATIONS  
CABLE TRAY SYSTEMS- CT-900/3/20HG, CT-600/3/15SS.

CABLE LADDER SYSTEMS- L3-900/3/20HG, L2-900/3/20MP, L3-600/3/15C, L3-900/3/20SS.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.


**Standard(s) for Safety:** Cable management – Cable tray systems and cable ladder systems, IEC 61537

**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Classification Mark should be considered as being covered by UL's Classification and Follow-Up Service.


The UL Classification Mark includes: UL in a circle; with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and the product category name (product identity) as indicated in the appropriate UL Directory.

Look for the UL Classification Mark on the product.



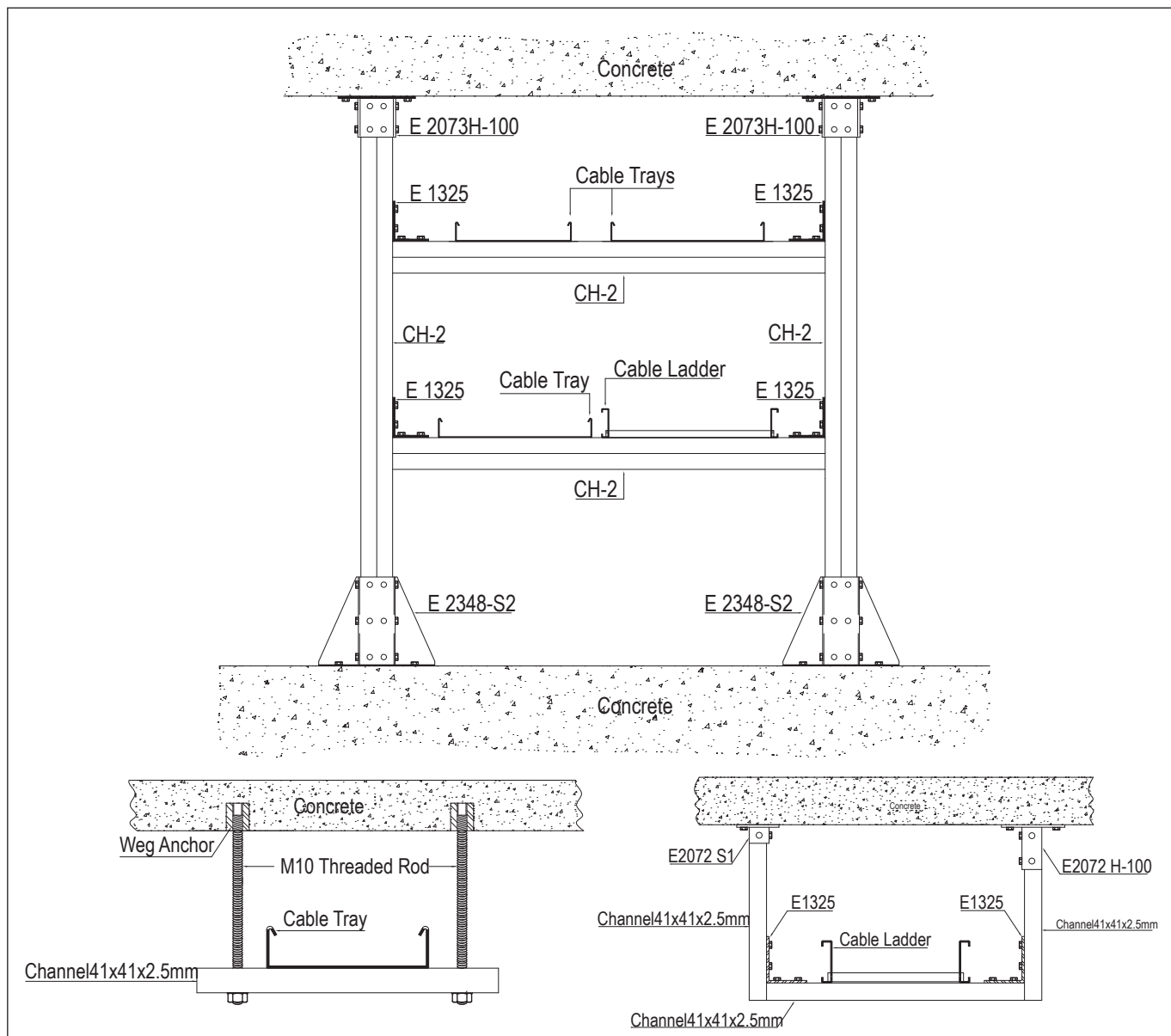
William R. Carney, Director, North American Certification Programs  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at [info@ul.com](mailto:info@ul.com)

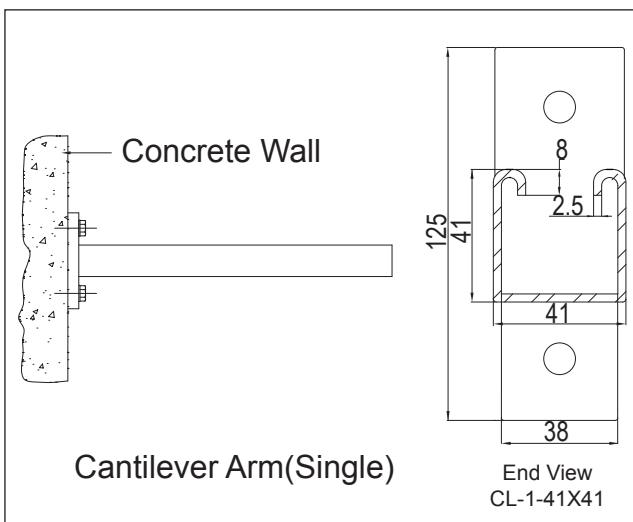


Page 1 of 1

## Metal Framing System



### Metal Framing Structure



**EMI Strut Metal Framing Channels** are used extensively in the installation of Electrical systems such as Cable Ladders, Cable Trays and Trunking. For this purpose EMI offers a range of Channels, fittings and accessories to enable the quick, simple and cost effective installation of all Ladders, Trays and Trunking.

**Available in:**

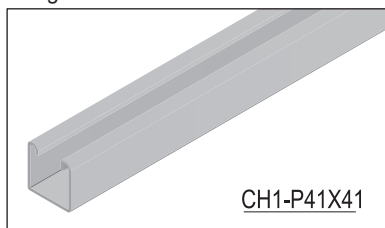
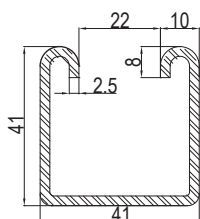
41 x 41 x 2.5	Part No. CH1-3H
41 x 21 x 2.5	Part No. CH1-3H
41 x 41 x 2.0	Part No. CH1-3H-2
41 x 21 x 2.0	Part No. CH1-3H-2

**Finish:** Hot Dip Galvanised finish to BS 729 Part1, Pre Galvanised to BS EN 10142.  
Also available in Stainless Steel to BS EN 10088-2;1995, 316L X2CrNiMo17-12-2.

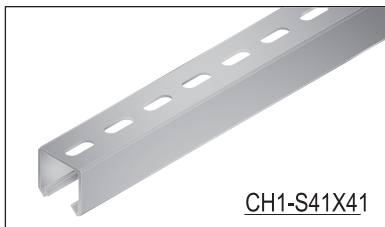
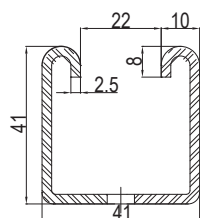
## Metal Framing System

### CH1-P41X41

Size: 41x41 mm  
Type: Plain/Slotted  
Finishes: PG/ HDG/ SS  
Weight: 2.59 kg/mtr. (HDG)  
Gauge: 2.5mm



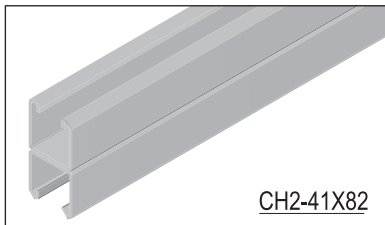
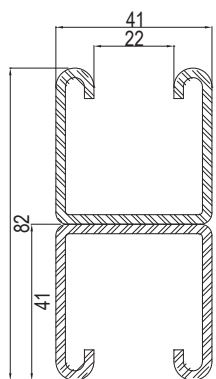
CH1-P41X41



CH1-S41X41

### CH2-41X82

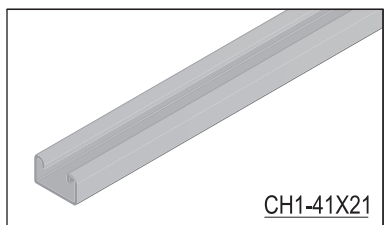
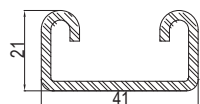
Size: 41x82 mm  
Type: Plain/Slotted  
Finishes: PG/ HDG/ SS  
Weight: 5.18 kg/mtr. (HDG)  
Gauge: 2.5mm



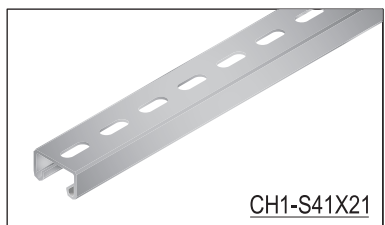
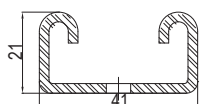
CH2-41X82

### CH1-P41X21

Size: 41x21 mm  
Type: Plain/Slotted  
Finishes: PG/ HDG/ SS  
Weight: 1.79 kg/mtr. (HDG)  
Gauge: 2.5mm



CH1-P41X21



CH1-S41X21

### CH1-41X41

Span or Column Effective Length (mm)	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	954	1.02	954	954	5003	2129
1000	477	4.09	477	323	3343	1422
1500	318	9.21	259	144	2510	1068
2000	239	16.37	145	81	2009	855
2500	191	25.58	93	52	1674	712
3000	159	36.84	65	36	820	610

### CH2-41X82

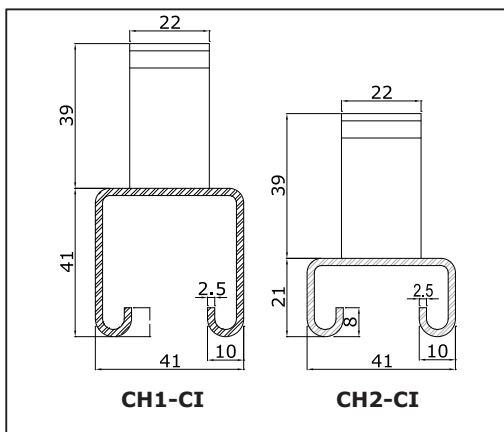
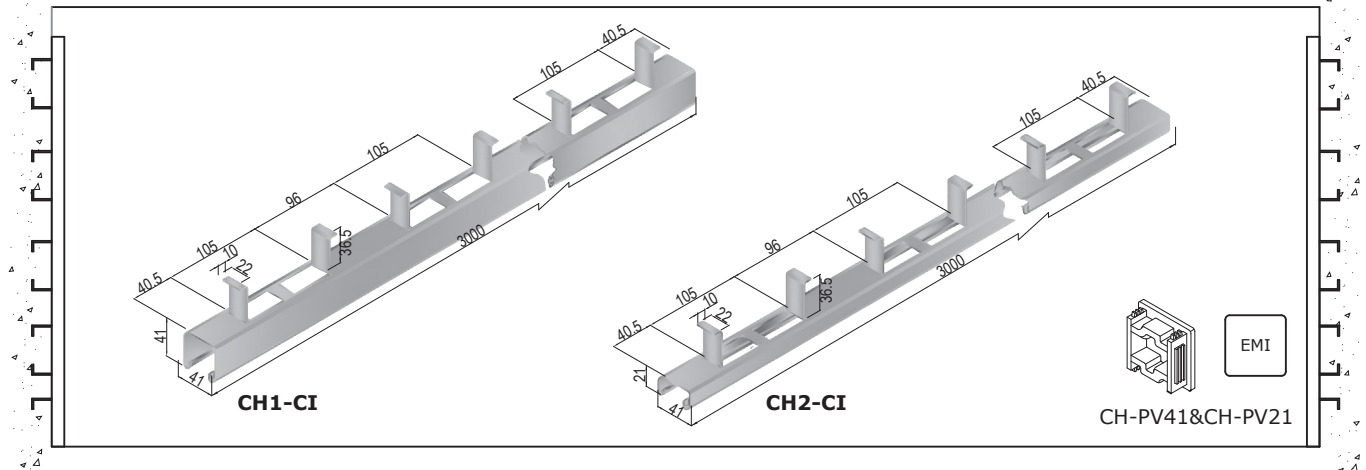
Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	2766	0.59	2766	2766	10007	3511
1000	1383	2.35	1383	1383	6686	2346
1500	922	5.29	922	725	5020	1761
2000	691	9.40	691	408	4018	1410
2500	553	14.69	470	261	3350	1175
3000	461	21.16	326	181	2400	1050

### CH1-41X21

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	330	2.14	330	214	3486	1326
1000	165	8.56	96	53	2296	873
1500	110	19.26	43	24	634	437
2000	83	34.24	24	13	471	350
2500	66	53.50	15	9	-	-
3000	55	77.03	11	6	-	-

## Metal Framing System

### CONCRETE INSERTS



### Concrete Inserts

Concrete Inserts provide a flexible fixing point in any concrete structure. Fixed to the shuttering prior to pouring concrete, these inserts then provide a simple fixing point along the length of the channel. Used in ceilings and on walls a grid system will then provide a flexible fixing solution with no need to drill holes in the structure.

The concrete inserts are provided with a foam insert to prevent ingress of concrete during pouring and Endcaps can also be supplied at extra cost to prevent ingress from the ends.

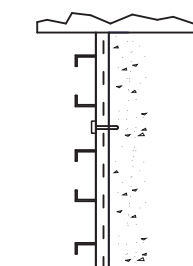
In applications where space is limited or a specific application requires inserts then the channel can be supplied in shorter lengths in increments of 200mm.

Concrete inserts are available in two cross section sizes 41x41x2.5mm and 21x41x2.5mm and in Hot dip Galvanised finish to BS 729 Part 1 and in Pre-Galvanised material to BS EN 10147:1992 S280 GD + Z275.

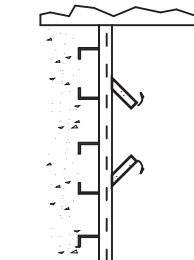
### Recommended Loadings

	CH1 - C1	CH2 - C1
Point Load (250mm centres)	750 Kgs.	550 Kgs
Continuous Load (per 1000mm)	3000 Kgs	2200 Kgs

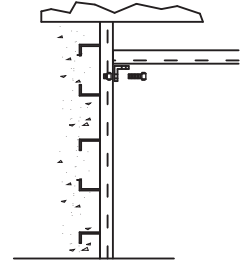
Concrete Strength 32MN/M<sup>2</sup>



Nail to shuttering before pouring



Remove polystyrene



Insert channel nut and secure bracket

Concrete Inserts are available in standard lengths of 3 and 6 metres which are supplied complete with polystyrene infill and End Cap in place.

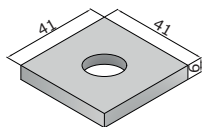
Non-standard lengths can be supplied in increments of 200mm. For shorter lengths, please consult our sales department.

Concrete inserts are manufactured from standard channel section CH1-CI & CH2-CI.

The inclusion of Concrete Inserts into walls, floors, ceilings and ducts etc. at the initial stages of construction provides a flush surface for fixing and supporting electrical and mechanical services.

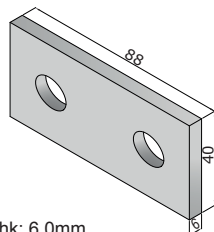
## Metal Framing System

E 1064



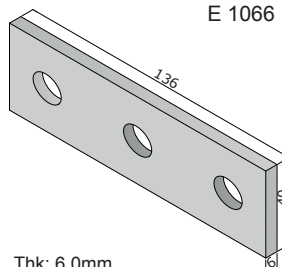
Thk: 6.0mm

E 1065



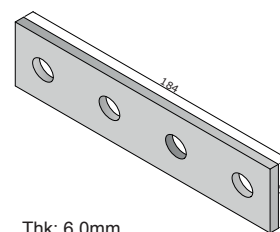
Thk: 6.0mm

E 1066



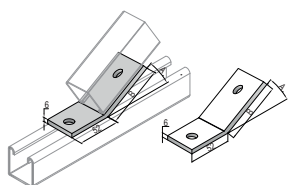
Thk: 6.0mm

E 1067



Thk: 6.0mm

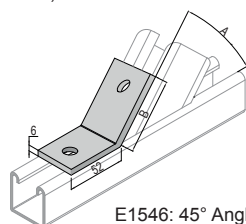
E 2101 & E 2103



E2101: 30° Angle  
E2103: 15° Angle

Thk: 6.0mm

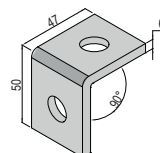
E 1546, E 2097 & E 2095



E1546: 45° Angle  
E2097: 60° Angle  
E2095: 75° Angle

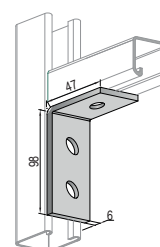
Thk: 6.0mm

E 1026



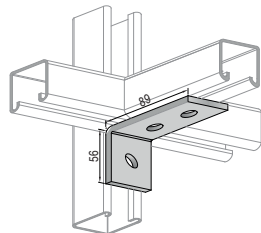
Thk: 6.0mm

E 1346



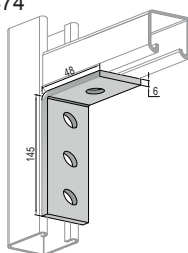
Thk: 6.0mm

E 1458



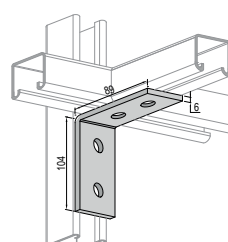
Thk: 6.0mm

E 1474



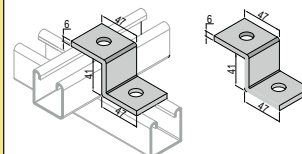
Thk: 6.0mm

E 1325



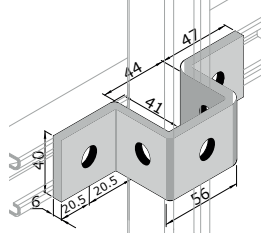
Thk: 6.0mm

E 1045



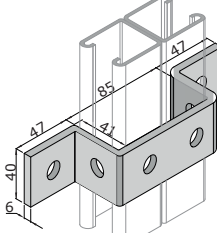
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E 1047



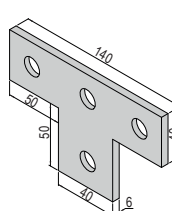
Thk: 6.0mm

E 1043



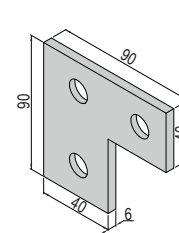
Thk: 6.0mm

E 1031



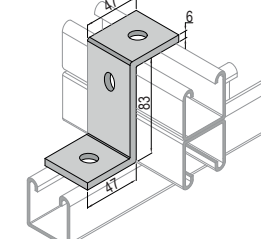
Thk: 6.0mm

E 1036



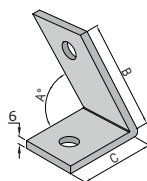
Thk: 6.0mm

E 1453



Thk: 6.0mm

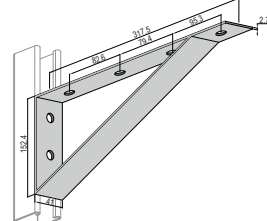
E 1186, E 2108 & E 2106



E1186: 45° Angle  
E2108: 60° Angle  
E2106: 75° Angle

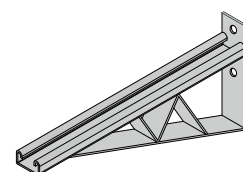
Thk: 6.0mm

E 1773



Thk: 2.7mm

E 494



Thk: 2.5mm  
Thk: 2.7mm

E 1962 <p>Thk: 2.7mm</p>	E 1357 <p>Thk: 2.7mm</p>	E 1727 <p>Thk: 2.7mm</p>	E 1377 <p>Thk: 2.7mm</p>
E 1359 <p>Thk: 2.7mm</p>	E 2235 <p>Thk: 2.7mm</p>	E 2785 <p>Thk: 6.0mm</p>	E 2786 <p>Thk: 6.0mm</p>
E 2072-S1 <p>Thk: 6.0mm</p>	E 2072 <p>Thk: 6.0mm</p>	E 2072/H100 <p>Thk: 6.0mm</p>	E 2941 <p>Top = 2.7mm Thk Base=6.0mm thk</p>
E 2073 <p>Thk: 6.0mm</p>	E 2073/H100 <p>Thk: 6.0mm</p>	E 2348-S1 <p>Thk: 2.7mm</p>	E 2348-S2 <p>Thk: 2.7mm</p>
E 1222A <p>Thk: 2.7mm</p>	E 1218 <p>Thk: 2.7mm</p>	E 1220A <p>Thk: 2.7mm</p>	E 1221A <p>Thk: 2.7mm</p>

RAISED FLOORING MODULAR FR CABLES TRAYS

TRAYS LADDERS TRUNKING FLOOR SYSTEM

BATTERIES SKIRTING TRUNKING CABLE CLEATS

RAISED FLO LES TRAYS

TRAYS L R SYSTEM

BATTERIES LE CLEATS

RAISED FLO LES TRAYS

TRAYS L R SYSTEM

BATTERIES SKIRTING TRUNKING CABLE CLEATS

RAISED FLOORING MODULAR FR CABLES TRAYS



#### Contact Details

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Abu Dhabi Office : Tel: +971 2 641 3739 Fax: +971 2 641 3794 email : auhbranch@emiuae.ae

[www.emiuae.ae](http://www.emiuae.ae)

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