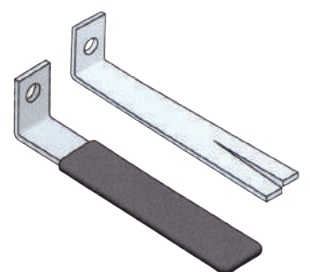
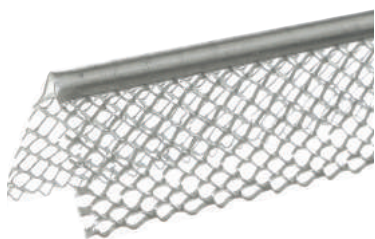




METEX METAL EXPANSION FACTORY



Expanded Mesh | Expanded Metal Products | Accessories |





METEX METAL EXPANSION FACTORY

Expanded Metal Mesh & Metal Products

Contents

■ Introduction	4
■ Product Specifications	5
■ General information to install an METEX Plaster Bead	6
■ Angle Beads	7
■ Plaster Stop Beads	8
■ Architrave Bead	9
■ Architrave Bead Double Sided Mesh	10
■ Movement Bead	11
■ Control Joint Bead	12
■ Strip Mesh	13
■ Block Work Reinforcement / Mesh	14
■ Coil Lath	15
■ Corner Mesh / Lath	16
■ Rib Lath	17
■ Hy - Rib Lath	18
■ Block Reinforcement Mesh	19
■ Lintel	22
■ Wall Ties: Galvanized Steel / Stainless Steel	24
■ Head Restraint Angle	25
■ Partition Top Anchor	26
■ Wall and Ceiling Mesh	28
■ Technical Specification Clauses	29



METEX METAL EXPANSION FACTORY

INTRODUCTION

Metex Metal Expansion Factory is part of Al Waseef Group of Companies. The Group has diverse business portfolios with branches in Dubai, U.A.E. and across the G.C.C. Metex is Established in 1997

About Metex

Metex Metal Expansion Factory, (ISO Certified - ISO 9001-2015), is engaged in Manufacturing of industrial products and construction materials. Metex products are manufactured as per BS Standards and are well known in the GCC AND MENA markets for superior quality. Metex Quality Management System have been certified by world-renowned institutions like DAR, TUV, BM TRADA, UKAS etc.

Operating from a purposely built manufacturing plant in Dubai U.A.E., Metex and the Group are committed to the provision of high standards of service, quality, innovation and professional expertise, guaranteeing satisfaction to build long term business relationship based on mutual benefit both for ourselves and our customers. Whilst there are other competitors offering similar products and services, we believe that we are unrivaled in our desire to be consistent at all times.

Expanded Metal Products of Metex includes:

1. BLOCK WORK ACCESSORIES - brick/block mesh, ladder mesh, wall ties & cavity ties and lintels
2. PLASTERING ACCESSORIES - angel beads, plaster stoppers, corner mesh, strip mesh, sheet lath, wall & ceiling mesh, rib lath, hi-rib lath, architrave beads, control joints and movements beads, etc
3. PROFILES - furring channels, GI Stud channels, GI track channels, main channel, perimeter / GI wall angle channel.
4. OTHER PRODUCTS & SERVICES LIST - coil service center, t-grid suspension systems.
5. OTHER EXPANDED METAL PRODUCTS - welded wire meshes and security fences & screens.

Our Mission

“To give the best service, supply quality products at competitive prices and meet the needs and demands of our Customers at all times”.



METEX METAL EXPANSION FACTORY

PRODUCT SPECIFICATIONS:

Metex Expanded Metal Mesh Complies with British Standard BS EN 13658-1 & 2: 2005 (Formerly 1369: Part 1: 1987) and ASTM c847.

and for Beads BS EN 13658-1 & 2: 2005 (Formerly BS 6452: Part 1: 1984) and ASTM C 1047.

Aluminum: ASTM B209/B209M

Hot Dipped Galvanized Steel: BS EN ISO 1461: 1999 (formerly BS 729), ASTM A123/ A123M, and

A153/A153M Pre-Galvanized Steel Wire: BS EN 10244:2001 (formerly BS 443), ASTM A641/ A641M

Stainless Steel: Grade BS EN 10088-2:2005 (formerly, ASTM A240 / A240M (ASTM Grade 304/S15 and SS 316, 316L

Galvanized Steel: Grade BS EN 10346:2009 (formerly BS EN 10142:1991) WITH ZINC coating from 180-275 GSM (ASTM A653 / A653M)

Metex Products are available in Galvanized Iron, Stainless steel, Mild Steel,

Hot Dipped Galvanized Steel and Aluminum. The raw materials are from world class Steel Mills from UAE, KSA, INDIA, JAPAN, KOREA, CHINA, AND TIWAN

Packing

METEX products are packed or bundled for easy and safe transportation carrying lables that display product name, reference number and quantity.

Delivery

Our logistics team are able to cover the entire UAE and GCC Market, Depending on Requiements and Urgency.

For more details:

Please visit our website: www.metex.ae



METEX METAL EXPANSION FACTORY

General Information To install an Metex Plaster Bead

The most appropriate METEX bead should be chosen to suit the application required plaster depth and the desired finish of the work. The application and installation of METEX beads should be in accordance with BS 5492:1990 code of practice for internal plastering and BS 5262: 1991 Code of Practice for external renderings. Plaster beads have become an indispensable part of plastering operations. Use of the appropriate beads greatly reduces the time in forming sharp corner joints, ends stops and other details. Moreover they offer protection and reinforcement to vulnerable plaster edges.

Beads may be trimmed to length using tin man's shears across the wings and a fine toothed saw across bead noses.

Use one of the following methods to fix METEX Angle Beads and Plaster Stop Beads;

-Beads should be fixed using plaster or render dabs or a suitable mechanical fixing at a maximum of 600 mm centers.

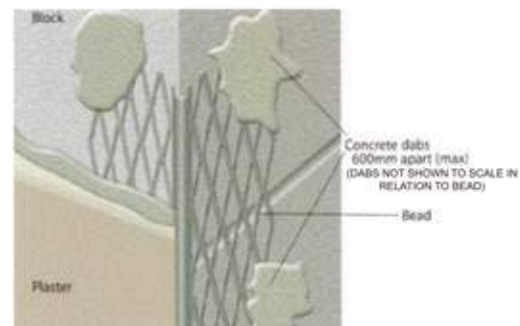
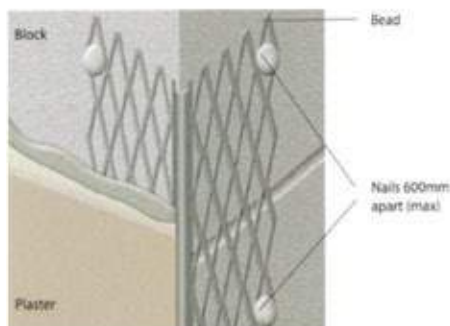
-Beads may be wire tied to the face of metal lathing backgrounds.

-Use tin snips or shears to cut to size.

-When joining angle, use a dowel inserted in the nose to ensure continuity and alignment.

-Avoid damage to beads as they are specifically designed for cement-based renders and should not be used with gypsum-based plaster unless they are specified with an approved protective finish.

-Epoxy /Plaster coated galvanized steel beads, with PVC nosing, are designed for external use only in sheltered or moderate environments.





METEX METAL EXPANSION FACTORY

ANGLE BEAD

Description

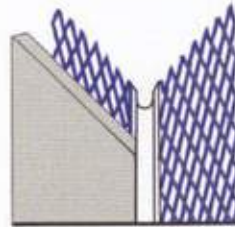
A comprehensive range is offered to give extra speed, efficiency and better finishing. The use of Plaster beads helps the formation of, corner, edges and abutments which are resistant to chips, cracks and impact damage.

Usage:

Expanded diamond mesh wings of angle beads allow for keying the plaster right up to the nose of the beads.

Guarantees a perfect bond and provides better effective enforcement in corners where it is needed most.

Angle bead is recommended for the greater corner protection and provides truer and accurate lines. Metex Angle Beads are manufactured as per BS EN 10088-2:2005, with quality zinc coating Z180-Z275 as per ASTM 653/A 653M and stainless steel BS EN 10088-2:2005, formerly BS 1449 PART2 1983 in Grade 304 S 15 (ASTM 304/S15) to ensure required corrosion resistance and strenght.



Stainless Steel	Galvanized	Length (mm)	Description Wing MM	Qty/box PCS
ABS 001-45	ABG 001 -45	2.5	45	50
ABS 002-45	ABG 002 -45	2.7	45	50
ABS 003-45	ABG 003 -45	3.00	45	50
ABS 001	ABG 001	2.50	50	50
ABS 002	ABG 002	2.70	50	50
ABS 003	ABG 003	3.00	50	50
ABS 004	ABG 004	2.50	55	50
ABS 005	ABG 005	2.70	55	50
ABS 006	ABG 006	3.00	55	50
ABS 007	ABG 007	2.50	65	50
ABS 008	ABG 008	2.70	65	50
ABS 009	ABG 009	3.00	65	50

* Other sizes are available upon request.



METEX METAL EXPANSION FACTORY

PLASTER STOP BEAD

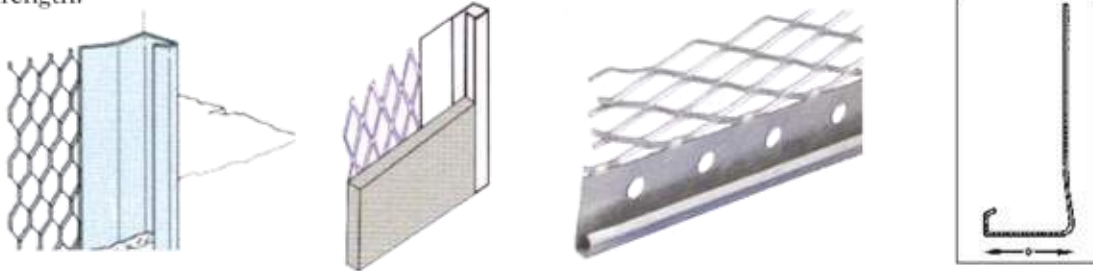
Description

Plaster stop beads provide clean, neat edges at openings or abutments onto other wall surface or ceiling finishes. Available to suit plaster thickness of 10/13/16/19mm.

Usage:

Plaster Stop makes a neat, flush frame for doors windows and other openings. It can be used for many different applications and is also less expensive compared to other construction methods. The Plaster Beads are designed with a ridge of nail holes to provide easy installation.

Metex Plaster Stop Beads are Manufactured as per BS EN 13658- 1&2:2005, with quality zinc coating Z180-Z275 as per ASTM 653/A 653M and stainless steel BS EN 10088-2:2005, formerly BS 1449 PART2 1983 in Grade 304 S 15 (ASTM 304/S15) to ensure required corrosion resistance and strength.



Stainless Steel	Galvanized	Length (mm)	Description Wing MM	Qty/box PCS
SBS 021	SBG 021	2.70	10	50
SBS 022	SBG 022	3.00	10	50
SBS 023	SBG 023	2.40	13	50
SBS 024	SBG 024	2.70	13	50
SBS 025	SBG 025	3.00	13	50
SBS 026	SBG 026	2.40	16	50
SBS 027	SBG 027	2.70	16	50
SBS 028	SBG 028	3.00	16	50
SBS 029	SBG 029	2.40	19	50
SBS 030	SBG 030	2.70	19	50
SBS 031	SBG 031	3.00	19	50

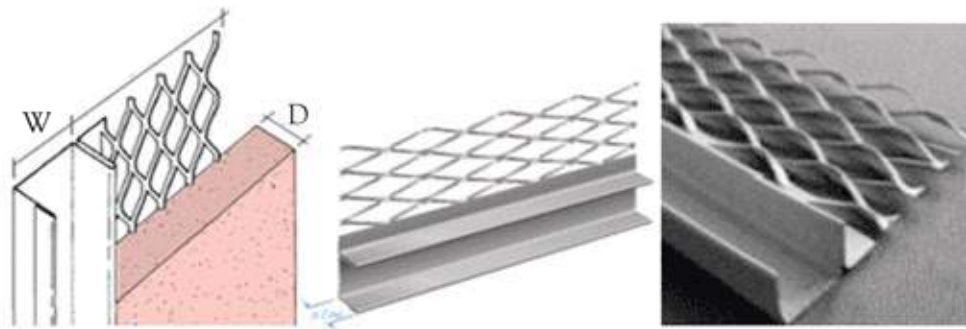


METEX METAL EXPANSION FACTORY

ARCHITRAVE BEAD

Architrave beads are extensively used as plaster stop profile whilst creating a shadow like decorative around door and window frames, ceilings and varying wall finishes. Architrave bead will increase the speed of installation and finishing process dramatically.

Architrave Beads are manufactured in accordance with BS 6452 Part 1: 1984 and Galvanised Steel material to BS EN 10327. Stainless Steel beads are manufactured to BS EN 10088-2: 2005



Recommended

- Galvanised Architrave Bead is used for Internal plastering purpose.
- Stainless Steel Architrave Bead is used for External plastering purpose.

Reference	Width (W) (mm)	Length (mm)	Plaster Depth (D) (mm)	Material	Quantity
ARCH-GI-10	10	3000	10 / 13	Galvanized	50
ARCH-GI-13	13	3000	10 / 13	Galvanized	40
ARCH-GI-15	15	3000	10 / 13	Galvanized	40
ARCH-GI-20	20	3000	10 / 13	Galvanized	40
ARCH-GI-25	25	3000	10 / 13	Galvanized	40
ARCH-GI-27	27	3000	10 / 13	Galvanized	40
ARCH-SS-10	10	3000	10 / 13	Stainless Steel	50
ARCH-SS-13	13	3000	10 / 13	Stainless Steel	40
ARCH-SS-15	15	3000	10 / 13	Stainless Steel	40
ARCH-SS-20	20	3000	10 / 13	Stainless Steel	40
ARCH-SS-25	25	3000	10 / 13	Stainless Steel	40
ARCH-SS-27	27	3000	10 / 13	Stainless Steel	40

*Other sizes are available upon request

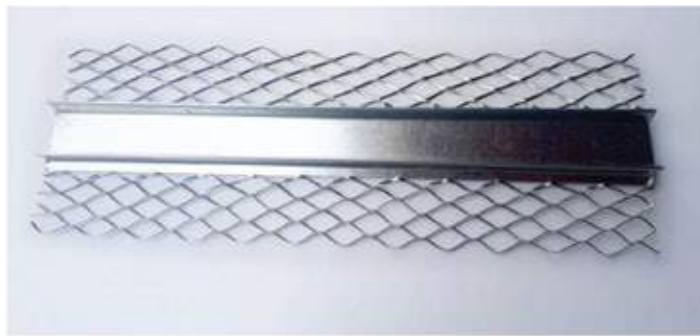


METEX METAL EXPANSION FACTORY

ARCHITRAVE BEAD DOUBLE SIDED MESH

Architrave bead Double Sided Mesh are extensively used as plaster stop profile whilst creating a shadow like decorative around door and window frames, ceilings and varying wall finishes.

Architrave Beads are manufactured in accordance with BS 6452 Part 1: 1984 and Galvanised Steel material to BS EN 10327. Stainless Steel beads are manufactured to BS EN 10088-2: 2005



Recommended

- Galvanised Architrave Bead is used for Internal plastering purpose.
- Stainless Steel Architrave Bead is used for External plastering purpose.

Reference	Width (W) (mm)	Length (mm)	Plaster Depth (D) (mm)	Material	Quantity
ARCH-GI-10-Double	10	3000	10 / 13	Galvanized	50
ARCH-GI-13-Double	13	3000	10 / 13	Galvanized	40
ARCH-GI-15-Double	15	3000	10 / 13	Galvanized	40
ARCH-GI-20-Double	20	3000	10 / 13	Galvanized	40
ARCH-GI-25-Double	25	3000	10 / 13	Galvanized	40
ARCH-SS-10-Double	10	3000	10 / 13	Stainless Steel	50
ARCH-SS-13-Double	13	3000	10 / 13	Stainless Steel	40
ARCH-SS-15-Double	15	3000	10 / 13	Stainless Steel	40
ARCH-SS-20-Double	20	3000	10 / 13	Stainless Steel	40
ARCH-SS-25-Double	25	3000	10 / 13	Stainless Steel	40

*Other sizes are available upon request

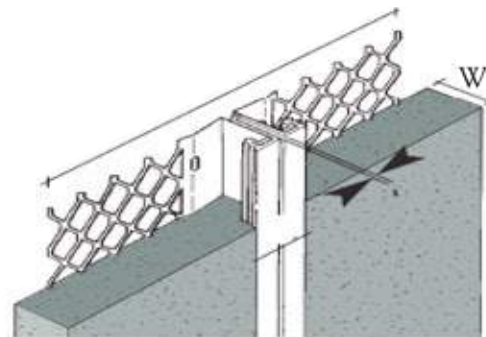
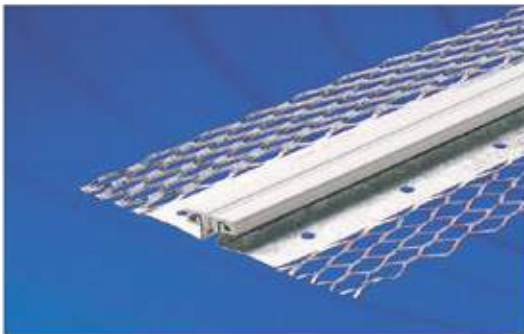


METEX METAL EXPANSION FACTORY

MOVEMENT BEAD

Allows movement between adjoining surface finishes resulting from differential expansion or settlement. Allowable movement is 3mm (+/-). Galvanised for internal applications, Stainless steel for external use where high condensation and moisture areas are defined.

Manufactured in accordance with BS 13658- 1&2:2005 (formerly BS 6452:Part 1:1984). Galvanised steel to BS EN 10346:2009 (formerly BS EN 10142) ASTM A 653/ A 653M- Z180-275. Stainless steel to BS EN 10088-2: 2005 (formerly 1449 PART 2 1983 Grade 304 2B FINISH).



Reference	Plaster Depth (D)	Length (mm)	Material	Qty/box PCS
MMV-GI-10	10	3000	Galvanized	10
MMV-GI-13	13	3000	Galvanized	10
MMV-GI-16	16	3000	Galvanized	10
MMV-GI-19	19	3000	Galvanized	10
MMV-SS-10	10	3000	Stainless Steel	10
MMV-SS-13	13	3000	Stainless Steel	10
MMV-SS-16	16	3000	Stainless Steel	10
MMV-SS-19	19	3000	Stainless Steel	10

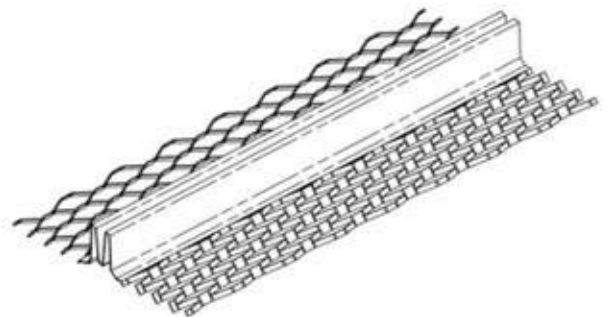


METEX METAL EXPANSION FACTORY

CONTROL JOINT BEAD

Control Joints (CJ) are 1-piece joints designed to relieve stress and minimize cracking; they accommodate initial stucco shrinkage and minor thermal movement. Also designed to provide movement to accommodate expansion.

Manufactured to BS EN 13658-1 & 2:2005 (formerly BS 6452:Part 1:1984). Galvanized steel to be BS EN 10346:2009 (formerly BS EN10142:1991), ASTM A 653/A 653M- Z180-Z275. Stainless Steel BS EN 10088-2:2005(Equivalent to BS 1449:Part 2 :1983; Grade 304 2B finish), ASTM A 240/A 240M.



Reference	Plaster Depth (D)	Length (mm)	Material	Qty/box PCS
MCJ-GI-13	13	3000	Galvanized	30
MCJ-GI-21	21	3000	Galvanized	30
MCJ-SS-13	13	3000	Stainless Steel	30
MCJ-SS-21	21	3000	Stainless Steel	30



METEX METAL EXPANSION FACTORY

STRIP MESH

Description

Expanded strip mesh is widely used and suitable for internal and external application and provides key for the lightweight plaster over small openings and chases, carrier for lightweight finishes and prevents cracks over any joints, and general plaster reinforcement.

Usage

Strip mesh is used as plaster reinforcement to prevent cracks over joints of different materials, electrical & mechanical conduits, doors & window lintels.

Galvanized Steel: BS EN 10346:2009 (formerly BS EN 10142: 1991) with quality zinc coating Z180-275 gms/m², ASTM A 653/A 653M. Stainless Steel: BS EN 10088-2:2005 formerly BS 1449 PART 2 1983 grade 304 S 15, (ASTM Grade 304/S15). Sizes given below are standard sizes of Metex Strip Meshes.



Galvanized	Stainless Steel	Width MM	Length M	Weight Kg/m ²
SLG 094	SLS 094	100	2.44	0.60
SLG 095	SLS 095	150	2.44	0.60
SLG 096	SLS 096	200	2.44	0.60
SLG 097	SLS 097	100	2.44	0.90
SLG 098	SLS 098	150	2.44	0.90
SLG 099	SLS 099	200	2.44	0.90
SLG 100	SLS 100	100	2.44	1.11
SLG 101	SLS 101	150	2.44	1.11
SLG 102	SLS 102	200	2.44	1.11
SLG 107	SLS 107	100	2.44	1.63
SLG 108	SLS 108	150	2.44	1.63
SLG 109	SLS 109	200	2.44	1.63
SLG 110	SLS 110	100	2.44	1.91
SLG 111	SLS 111	150	2.44	1.91
SLG 112	SLS 112	200	2.44	1.91

* Special sizes available on request.



METEX METAL EXPANSION FACTORY

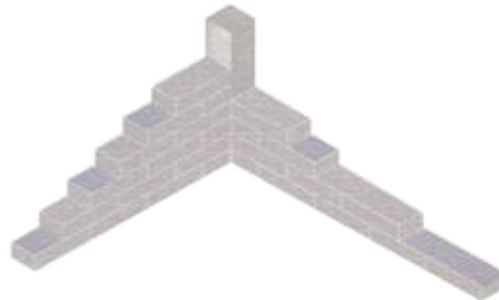
BLOCK WORK REINFORCEMENT

Coil Mesh for Block work

Expanded metal type bed joint reinforcement is supplied as an anti-crack reinforcement in the design and construction of brick and block masonry.

It is generally provided at the areas of high stress of concentration to dissipate these stresses to areas of low stress. A typical example would be a point where the section of wall changes, such as at a door or window opening. It is also recommended for the window and doorframes for stress resistance. Block work reinforcement mesh should be used in every alternative course of a wall. Combinations of different widths of reinforcement mesh may be used to suit any wall thickness.

The cracking of masonry due to changes in temperature, changes in moisture content and settlement of foundations can all be controlled by the use of block reinforcement.



Galvanized Ref.	Length in M.	Width
BRG 039	50/100 MTR	80 mm
BRG 040	50/100 MTR	100 mm
BRG 041	50/100 MTR	150 mm
BRG 042	50/100 MTR	178 mm
BRG 043	50/100 MTR	200 mm
BRG 044-250	50/100 MTR	250 mm
BRG 044-300	50/100 MTR	300 mm
BRG 044	50/100 MTR	350 mm

Stainless Steel	Length in M.	Width
BRS 080	50 MTR	80 mm
BRS 100	50 MTR	100 mm
BRS 150	50 MTR	150 mm
BRS 178	50 MTR	178 mm
BRS 200	50 MTR	200 mm
BRS 250	50 MTR	250 mm
BRS 300	50 MTR	300 mm
BRS 350	50 MTR	350 mm

* Special sizes available on request.



METEX METAL EXPANSION FACTORY

COIL LATH

Expanded Metal Lath is widely used as a plastering base in order to reinforce against cracks, between joints of dissimilar materials. Extensively used in crack prone areas.

Application: Metal lath used over solid surfaces to be furred approximately ¼ inch away from the wall to allow for the proper stucco keying behind the lath. Fastener placement should be arranged so as not to negate the furring mechanism.

All Metal Lath is manufactured in accordance with BS 1369: Part 1: 1987. Galvanized steel used in accordance with BS EN 10142. Stainless steel used in accordance with BS EN 10088 (Formerly known as BS 1449: Part 2: 1983)

Recommended

- Galvanized Steel material to be used for internal walls
- Stainless steel material to be used for external walls (More of moisture contact areas)



Reference	Width MM	Length M	Weight Kg/m ²
MLC 061-A	50	50/100	0.60
MLC 061-B	50	50/100	0.90
MLC 061-C	50	50/100	1.11
MLC 061-D	50	50/100	1.63
MLC 062-A	100	50/100	0.60
MLC 062-B	100	50/100	0.90
MLC 062-C	100	50/100	1.11
MLC 062-D	100	50/100	1.63
MLC 063-A	150	50/100	0.60
MLC 063-B	150	50/100	0.90
MLC 063-C	150	50/100	1.11
MLC 063-D	150	50/100	1.63
MLC 064-A	200	50/100	0.60
MLC 064-B	200	50/100	0.90
MLC 064-C	200	50/100	1.11
MLC 064-D	200	50/100	1.63

* Other sizes are available upon request

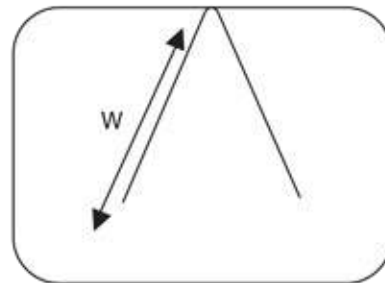


METEX METAL EXPANSION FACTORY

CORNER MESH / LATH

This is an angle lath with smooth edges formed like regular Diamond Mesh Lath. Corner lath is used in corners where walls meet walls or ceilings. This reinforcing of interior corners helps prevent cracks.

Galvanized Steel: BS EN 10346:2009 (formerly BS EN 10142: 1991) with quality zinc coating Z180-275 gms/m², ASTM A 653/A 653M. Stainless Steel: BS EN 10088-2:2005 formerly BS 1449 PART 2 1983 grade 304 S 15, (ASTM Grade 304/S15).



Stainless Steel	Galvanized	Mesh wing size (mm)	Length (mm)	Qty/box PCS
CMS 050	CMG 050	50 mm	2.44 mtr	50/box
CMS 051	CMG 051	75 mm	2.44 mtr	50/box
CMS 052	CMG 052	100 mm	2.44 mtr	50/box

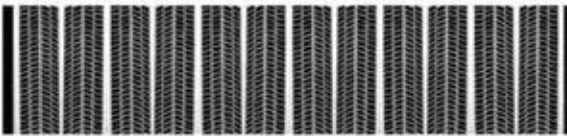
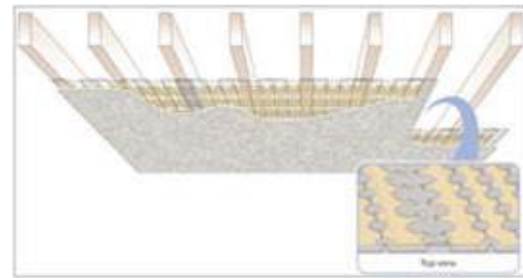
*Other sizes are available upon request.



METEX METAL EXPANSION FACTORY

RIB LATH

Rib Lath is extensively used for plastering background for suspended ceiling, partitions and walls. For walls and partitions purpose it is recommended to use RL 1.48 kg/m² and for ceiling purpose 1.85 kg/m² or in some cases 2.22 kg/m².



REFERENCE	WEIGHT (Kg/m ²)	HEIGHT OF RIB (mm)	WIDTH / LENGTH (mm)	MATERIAL
MRBL 1.4	1.48	10	600 / 2500	Galvanized steel
MRBL 1.8	1.84	10	600 / 2500	Galvanized steel
MRBL 2.2	2.22	10	600 / 2500	Galvanized steel
MRBL 1.4S	1.48	10	600 / 2500	Stainless steel
MRBL 1.8S	1.84	10	600 / 2500	Stainless steel

*Other sizes are available upon request.

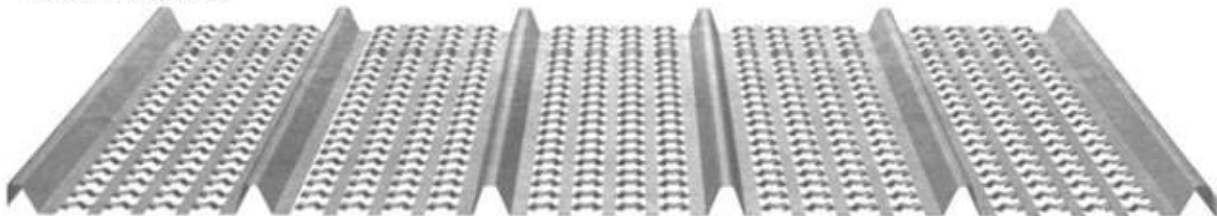


METEX METAL EXPANSION FACTORY

HY-RIB LATH

METEX Hy-Rib lath is a steel mesh stiffened by rigid ribs all manufactured from hot-dipped galvanized steel sheets. Has been applied to the concrete structure of projects. It has better stress strength and free shape. It is mostly used as concrete permanent dismantle free template for civil engineering such as tunnel, bridge, raft-style foundation, subways, retaining wall, nuclear power station, docks, storage tanks, skyscrapers, ocean engineering and irregular or curved shapes.

Because its meshes and U patterns, it has better anti-stress capability and forming flexibility than normal metal lath. In concrete floors and roofs Hy-Rib provides thorough reinforcements and eliminates forms.



Reference	Weight Kg/m ²	Rib Depth (D) MM	Width	Length	Material
HIGH-RIB-339	3.39	21	445	2500	Galvanized
HIGH-RIB-486	4.86	21	445	2500	Galvanized
HIGH-RIB-686	6.86	21	445	2500	Galvanized

Installation:

Hi-rib lath is ideal for refurbishing damaged or aged masonry walls, when a key for rendering is not certain due to disintegration or softening of the wall face.

Lath should be fixed with apexes of ribs against the wall, edge ribs of sheets nesting into each other should be wire-tied every 15cm and ends of sheets should be lapped not less than 2.5cm and nesting ribs securely tied together.

A correctly formed Hy-Rib joint outperforms traditionally prepared joints in shear and bond. Hy-Rib reduces the risk of trapped air and voids within the concrete.

Stainless steel fixings should be used at sufficient intervals to hold the lath firmly in position.



METEX METAL EXPANSION FACTORY

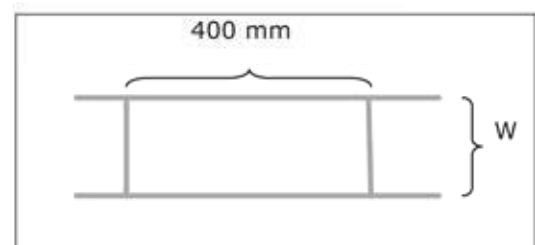
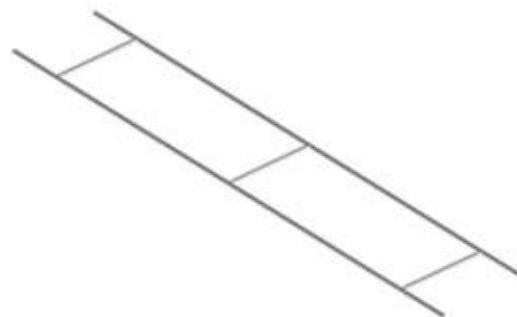
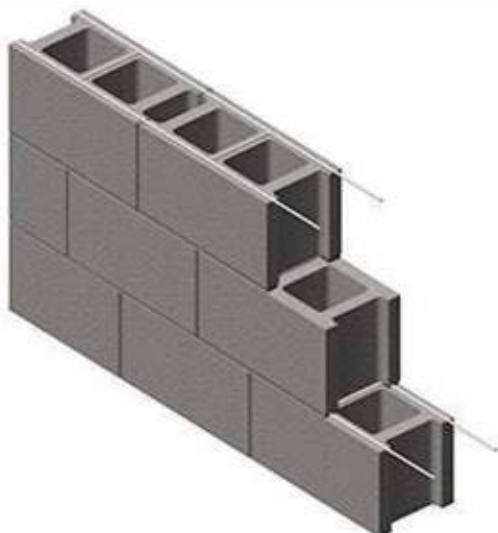
BLOCK REINFORCEMENT MESH

Block Mesh Reinforcement's cross rods are spaced so block cells are not obstructed, allowing easy placement of vertical rebar's and are continuous lengths of joint reinforcement that are embedded into the horizontal mortar joints of masonry walls. Greatly reduces cracking that can arise from thermal stresses. This enhances resistance to water penetration, as cracks are controlled.

Ladder Type

Reference code	Material Grade	Width (W)	Length (L)	WireSize (dia)	Packing PC/bundles
LMG50	Galvanized	50	3000	4	20
LMG100	Galvanized	100	3000	4	20
LMG150	Galvanized	150	3000	4	20
LMG200	Galvanized	200	3000	4	20
LMG50-5MM	Galvanized	50	3000	5	20
LMG100-5MM	Galvanized	100	3000	5	20
LMG150-MM	Galvanized	150	3000	5	20
LMG200-5MM	Galvanized	200	3000	5	20
LMS50	Stainless Steel	50	3000	4	20
LMS100	Stainless Steel	100	3000	4	20
LMS150	Stainless Steel	150	3000	4	20
LMS200	Stainless Steel	200	3000	4	20
LMS50-5MM	Stainless Steel	50	3000	5	20
LMS100-MM	Stainless Steel	100	3000	5	20
LMS150-MM	Stainless Steel	150	3000	5	20
LMS200-5MM	Stainless Steel	200	3000	5	20

*Other sizes available upon request.



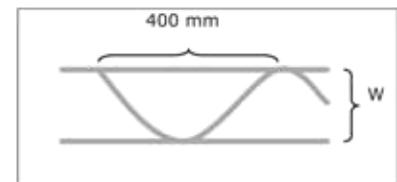
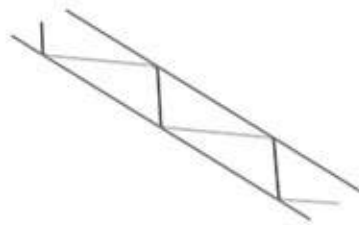
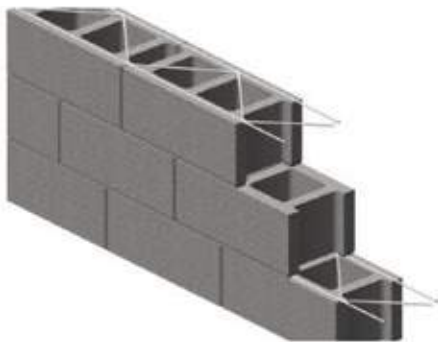


METEX METAL EXPANSION FACTORY

TRUSS TYPE

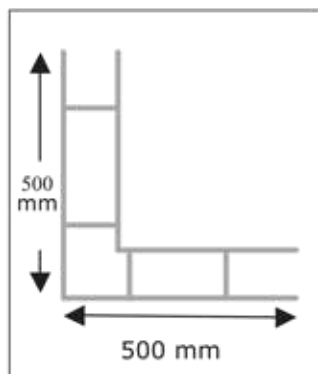
Reference code	Material Grade	Width (W)	Length (L)	WireSize (dia)	Packing PC/bundles
LMG50-TR	Galvanized	50	3000	4	20
LMG100-TR	Galvanized	100	3000	4	20
LMG150-TR	Galvanized	150	3000	4	20
LMG200-TR	Galvanized	200	3000	4	20
LMG50-TR-5MM	Galvanized	50	3000	5	20
LMG100-TR-5MM	Galvanized	100	3000	5	20
LMG150-TR-MM	Galvanized	150	3000	5	20
LMG200-TR-5MM	Galvanized	200	3000	5	20
LMS50-TR	Stainless Steel	50	3000	4	20
LMS100-TR	Stainless Steel	100	3000	4	20
LMS150-TR	Stainless Steel	150	3000	4	20
LMS200-TR	Stainless Steel	200	3000	4	20
LMS50-TR-5MM	Stainless Steel	50	3000	5	20
LMS100-TR-MM	Stainless Steel	100	3000	5	20
LMS150-TR-MM	Stainless Steel	150	3000	5	20
LMS200-TR-5MM	Stainless Steel	200	3000	5	20

*Other sizes available upon request.

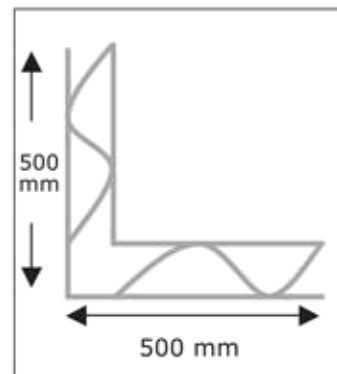


Corner Reinforcement: "L" Type and "T" Type

Ladder "L" Type



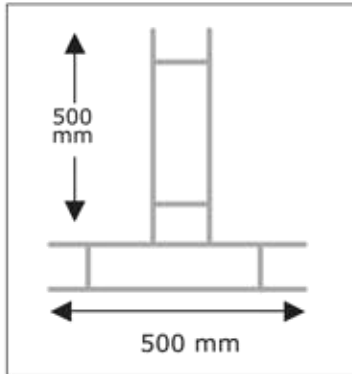
Truss "L" Type



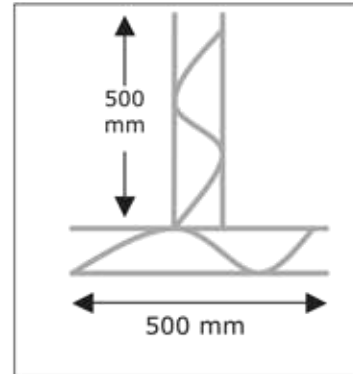


METEX METAL EXPANSION FACTORY

Ladder "T" Type



Truss "T" Type



Technical Specification:

MATERIAL	BS & ASTM STANDARDS
Manufactured to	BS EN 845-3:2003, ASTM A 951/A951 M
Cold drawn steel	BS 4482:2005 ; ASTM A 496/A 496M, ASTM A82/A 82M
Hot dip Galvanised	BS EN ISO 1461:1999 (formerly BS 729) ASTM A123/A 123M, A 153/A 153M
Pre Galvanised	BS EN 10244-2:2001 (formerly BS 443) ASTM A 641/A 641M
Stainless Steel	BS EN 10088-3:2005(formerly BS 1554:1990) ASTM A 1022/A 1022M Grade 304 & 316



METEX METAL EXPANSION FACTORY

LINTEL

A lintel is defined as a structural horizontal channel beam that spans the space or opening between two vertical supports, such as over doors and windows. Also supports roof loads at openings in load bearing walls. Lintels should be installed with a 20 cm bearing at each end and should be fully bedded on blockwork mortar.

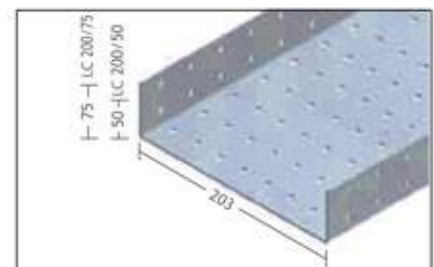
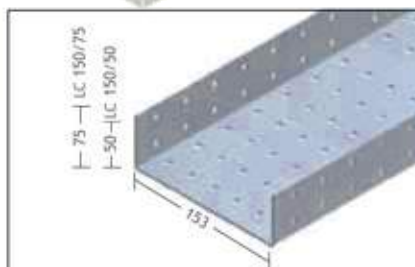
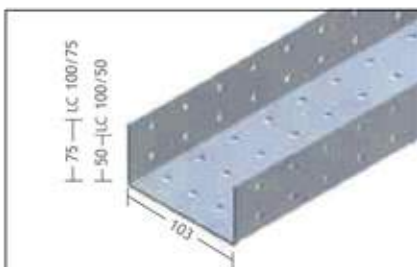
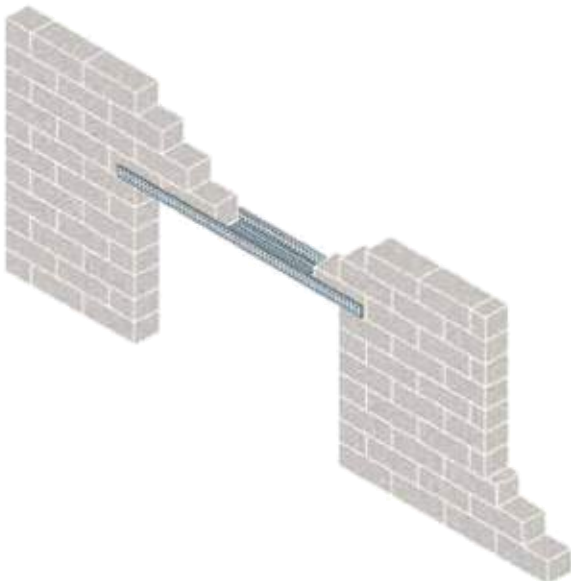
Features & Benefits

- Time saving and effective.
- Easy to use with two men can handle the job.
- Block work can be continued without delay.



Installation

- Lintels should be installed with a 20 cm bearing at each end and should be fully bedded on block work mortar.
- Lintels cannot be altered from the original manufactured sizes (like cutting or welding).
- Lintels must be used as per the weight standards (not exceeding actual load bearing capacity).
- To avoid chance of deflection, support must be provided at the center until mortar is dry.
- Damaged lintels cannot be used.





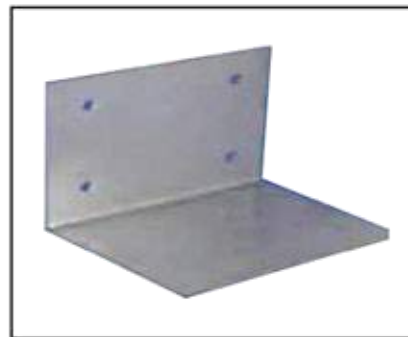
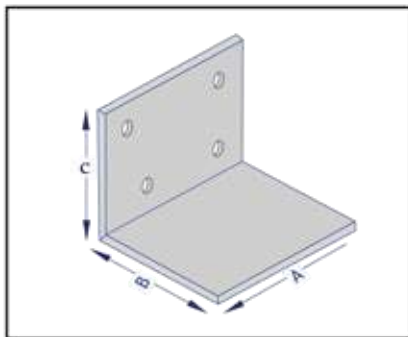
METEX METAL EXPANSION FACTORY

Lintel table

Reference code	Flange height (mm)	Width of lintel(mm)	Thickness/ gauge (mm)	0.90-1.20	1.30 - 1.50	1.60 - 1.80	1.90 - 2.10	2.20 - 2.40	2.50 - 2.60	2.80 - 3.00
MLT100A	50	100	2.0	0.55	0.42	0.31	-	-	-	-
	50	100	2.5	0.80	0.58	0.38	0.24	0.18	0.16	-
	50	100	3.0	1.12	0.66	0.44	0.31	0.23	0.47	0.13
MLT100B	75	100	3.0	1.63	1.25	1.00	0.86	0.64		0.38
MLT150A	50	150	2.0	0.48	0.37	0.27	-	-	-	-
	50	150	2.5	0.76	0.58	0.41	0.27	0.19	-	-
	50	150	3.0	1.22	0.79	0.52	0.37	0.28	-	-
MLT150B	75	150	3.0	1.63	1.25	1.00	0.86	0.64	-	-
MLT200A	50	200	2.0	0.62	0.48	0.35	-	-	-	-
	50	200	2.5	0.77	0.59	0.41	0.29	0.21	-	0.21
	50	200	3.0	1.05	0.80	0.53	0.38	0.28	-	0.28
MLT200B	75	200	3.0	1.63	1.25	1.00	0.86	0.64	0.47	0.37
MLT200A	50	250	2.0	0.62	0.48	0.35	-	-	-	-
			2.5	0.77	0.59	0.41	0.29	0.21	-	-
			3.0	1.05	0.89	0.53	0.38	0.28	0.19	0.28

*Other sizes are available upon request.

Lintel Brackets



Item Code	A	B	C	THICKNESS (mm)	Applicable Lintel Width	Metal expansion anchors quality-dia-mm
MLB 100	100	100	100	4	100	3 M 8 x 80
MLB 150	150	150	150	4	150	4 M 8 x 80
MLB 200	200	200	200	4	200	4 M 8 x 80
MLB 250	250	250	250	4	250	4 M 8 x 80
MLB 300	300	300	300	4	300	4 M 8 x 80



METEX METAL EXPANSION FACTORY

Wall Ties: Galvanized Steel / Stainless Steel

Metex Wall ties, Anchor Plates, are manufactured as per accordance with BS and ASTM standards. These products are available with a choice of two different materials, Galvanized and Stainless steel. All Metex Wall ties are manufactured from high quality Galvanized and Stainless steel wire and strip material to ensure that structural design properties are maintained throughout the life of the structure.



653-661_Wall Tie-Ceiling type



662-676_Wall Ties



677-689_Wall Ties



690-709_Wall Ties Corrugated



711-727_Wall Ties -3 Holes



728-747_Wall Ties-Rubber



749-760_Wall Ties-Rubber



762-775_Wall Ties



METEX METAL EXPANSION FACTORY

HEAD RESTRAINT ANGLE

Anchor Plates are used to attach structural members to concrete structure. Anchor Plates and Angles can be used to frame openings in concrete walls or as shelf angles.

Project Specification:

BS EN ISO 1461:1999 (FORMERLY BS 729), ASTM A123 / A123M, AND A153 / A153M.

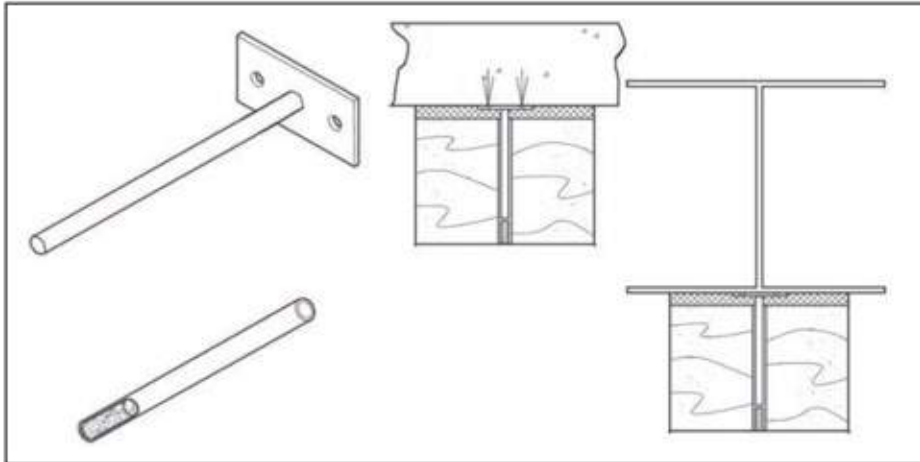


- * MATERIAL - GALVANIZED, STAINLESS STEEL, MILD STEEL
- * FINISH - HOTDIP GALVANIZED, POWDER COATED



METEX METAL EXPANSION FACTORY

PARTITION TOP ANCHOR



DESCRIPTION:

Partition Top Anchors have been developed to provide lateral shear resistance at the upper limit of masonry walls. They permit vertical deflection of the slab above, without transferring compressive loads to the masonry wall below. Metex Anchors are suitable for construction using steel or concrete. Tube with expansion filler is placed over rod anchor, which has been attached to concrete or steel by any of the methods illustrated. The vertical joint is then filled with mortar, fully surrounding the tube.

SAFETY:

HAZARD IDENTIFICATION:

Possible cuts from edges and may give off toxic and irritant fumes from high temperatures.

FIRST AID MEASURES:

Inhalation: Remove from source of fumes and dust

Skin and Eye Contact: Treat cuts steel edges as required.

FIRE FIGHTING MEASURE:

Non-flammable Material

HANDLING AND STORAGE:

Use suitable PPE when handling all products. Assess manual handling risks before lifting.

All products should be stacked on firm level ground in dry conditions.

EXPOSURE CONTROL:

Wear personal protection such as gloves and safety goggles when handling products.

Some products may have a film soluble cutting fluid after manufacture.

PHYSICAL AND CHEMICAL PROPERTIES:

Products are supplied in various lengths, width and gauges having a metallic grey appearance



METEX METAL EXPANSION FACTORY

SAMPLES OF CUSTOM MADE TIES:

MLPS-S

L-perforated special Tie bolt/ screw-on



MLPS-ST

L-Perforated special Slot tie



MLPS-SC

L-Perforated bolt/screw-on Special cavity tie



MLPS-STC

L-perforated slot Special cavity tie



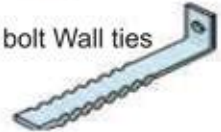
MCWT

Cavity wall tie Bolt/screw-on



MCGWT

Corrugated bolt Wall ties



MLBT

L-bolt tie with cut end



MLST

L-Slot tie with U-Cut end



MFCWT

Flat two side split end Cavity wall tie



MFS2

Flat two side split-end



MLSS

L-bolt/screw-on split-end



MLSS-ST

L-slot tie with split-end



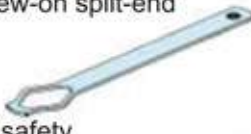
MLSSF

L-Bolt Screw-on Safety



MPSF

Plain tie safety



MSCT

Safety cavity tie



MWTCW

Ceiling wall strap tie



MZWT

Z wire tie



MDTW-DD

Double triangle wire tie double drip



MTW

Triangular wire tie



MWTZ

Z-shape wire tie



MWTB

Butterfly Wire tie



MVM1

Vertical movement tie Bolt Screw-on



MVM2

Vertical movement tie Bolt Screw-on



MVHM-ST1

Vertical horizontal Movement tie slot



MVHM-ST2

Vertical horizontal Movement tie Slot



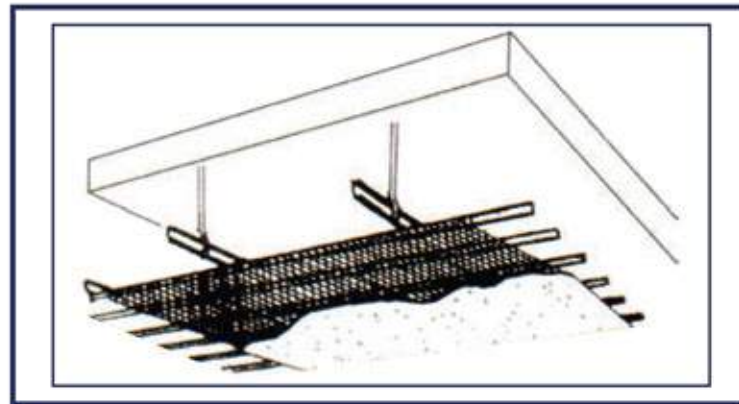


METEX METAL EXPANSION FACTORY

WALL AND CEILING MESH

Diamond Metal Lath is used for walls and ceilings to resist cracking and to give key to Plastering when insulation materials are used.

Metex Diamond lath meshes are manufactured from lock forming quality galvanized steel conforming to BS EN 13658-1 & 2: 2005 (formerly BS 1369:Part 1: 1987) with quality Zinc coating Z 180-275 gms/m², ASTM A 653/A 653M and Stainless Steel to BS EN 10088-2:2005 formerly BS 1449 PART 2 1983 grade 304 S15 (ASTM Grade 304/S15).



Type	Thickness MM	Weight Kg/m ² (lb/yd ²)	Mesh Size MM	Sheet Size M	Distance Between Supports MM
Economy Type	0.500	0.50 (0.92)	SWD-10	2.5x0.7	255
Wall Type A	0.500	1.00 (1.84)			275
Wall Type B	0.500	1.22 (2.25)			300
Ceiling Type	0.675	1.62 (3.00)	LWD-20		300



METEX METAL EXPANSION FACTORY

Technical Specification Clauses

Metex Beads should be fixed at a nominal 600mm spacing by embedding with dabs of the same material used for the undercoat or corrosion resistant galvanized nails for galvanized bead and stainless steel nails for stainless steel beads.

Plaster Beads:

Material	Standard
Manufacturing	BS EN 13658-1 & 2:2005 (formerly BS 6452:Part 1:1984) ASTM C 1047
Pre-Galvanized steel complying with:	BS EN 10346:2009 (formerly BS EN 10142:1991) coating Type: Z180-275 ASTM A 653/A 653M
Stainless Steel complying with:	BS EN 10088-2:2005 (which was direct equivalent to formerly BS 1449:Part 2:1983 in Grade 304 2B FINISH) ASTM A240/A240M in Grade 304 2B Finish

Expanded Metal Mesh

Material	Standard
Manufacturing	BS EN 13658-1 & 2:2005 (formerly BS 1369: Part 1: 1987) ASTM C 847
Pre-Galvanized steel complying with:	BS EN 10346:2009 (formerly BS EN 10142:1991) Coating Type: Z180-275 ASTM A 653/A 653M
Stainless Steel complying with:	BS EN 10088-2:2005 (which was direct equivalent to formerly BS 1449:Part 2:1983 in Grade 304 2B FINISH) ASTM A 240/A 240M in Grade 304 2B FINISH

Wall Ties

Material	Standard
Manufacturing	BS EN 845-1:2003 (formerly BS 1243)
Pre-Galvanized steel complying with:	BS EN 10346:2009 (formerly BS EN 10142:1991) ASTM A 653/A 653M
Mild Steel complying with :	BS EN 10149-3:1996 BS EN ISO 1461:1999 (formerly BS 729)
Hot dip Galvanizing	ASTM A123/A123 M, ASTM A153/A 153M
Stainless Steel complying with:	BS EN 10088-2:2005 (which was direct equivalent formerly BS 1449: Part 2:1983 in Grade 304 2B Finish & 316) ASTM A240/A 240 M in Grade 304 2B FINISH & 316

Storage Conditions

Please follow the below recommendations for storage Conditions:

- Store in covered and dry area.
- Avoid contact with sand, chemicals & water.



METEX METAL EXPANSION FACTORY

Block Reinforcement Mesh

Manufactured to	BS EN 845-3:2003 ASTM A 951/A 951M
Cold Drawn steel for Reinforcement	BS 4482:2005 ASTM A 496/A 496M, ASTM A 82/A 82M
Hot dipped Galvanising (After Fabrication)	BS EN ISO 1461:1999 (formerly BS 729) ASTM A 123/A 123M, A 153/A 153M
Pre Galvanised steel wire	BS EN 10244-2:2001 (formerly BS 443) ASTM A 641/A 641M
Stainless Steel wire	BS EN 10088-3:2005 (which was direct equivalent to formerly BS 1554:1990) ASTM A 1022/A 1022M Grade 304 & 316

Lintels

Manufactured to	BS EN 845-2:2003, BS 5977: Part 2:1983
Galvanised steel	BS EN 10142:1991 Coating G60 & G90 ASTM A653 (formerly ASTM A525)



METEX METAL EXPANSION FACTORY



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