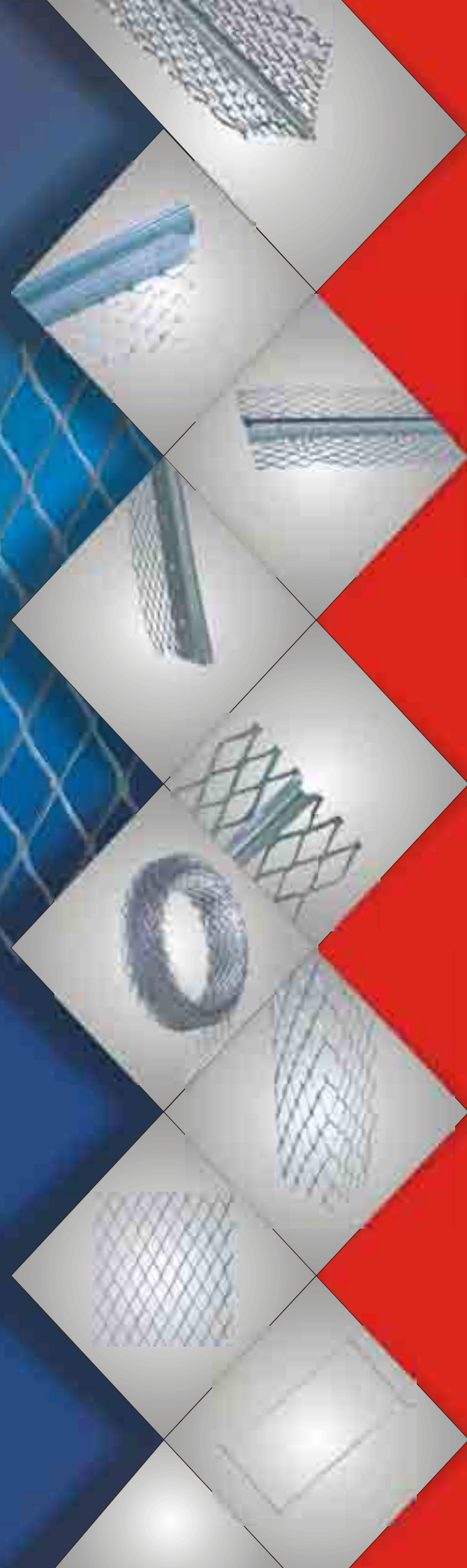


SFSP

Expanded Metal



Certificate Number Q19893





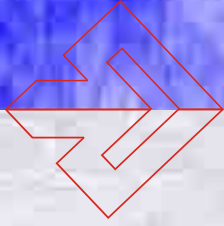
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Introduction

SFSP designs, and manufactures ,quality building products. We are committed to excellence in product development and customer service.

For almost 15 years **SFSP** has been at the forefront of the design, development and manufacture of galvanized-and stainless steel systems for the building industry.

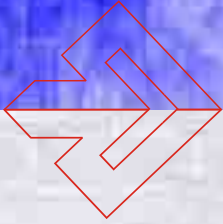
Many of the products listed in this catalogue, particularly beads and block reinforcements ,are held in stock and can be supplied at short notice to meet immediate site requirements. Other products, such as steel lintels ,cramps and ties are fabricated to meet specific design requirements in the most economic way and may be called off as required on site against an agreed schedule.

A full technical service is offered by **SFSP** to assist customers in the correct selection of standard components and the design of cramps and ties to meet special requirements. **SFSP** is a leader in the building products industry and is continually developing and improving existing products, as well as designing new products to meet the requirements of a changing industry.

For the fullest information on building products contact our technical department or appointed sales offices.

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Plasterers' Beads

Specifications:

Uni Metal beads are manufactured in accordance with BS 6452: part 1: 1984.

Uni Metal beads are made from:

- Pre-galvanized steel complying with:
 - BS 2989: steel grade Z2, zinc coating type G275.
 - ASTM A527 – G60 and G90 or
 - ASTM A653/M - G90
 - DIN EN 10147
- Stainless steel complying with:
 - BS 1449: part 2 (304S15).
 - AISI 304, A2
 - DIN, material no. 1.4301

Description:

A comprehensive range is offered to give extra speed, efficiency and better finishing.

The use of plasterers' beads helps the formation of joints, corners, edges and abutments which are resistant to chips, cracks and impact damage.

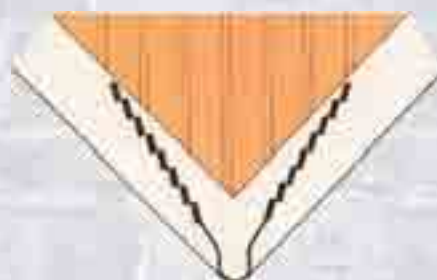
Angle Bead

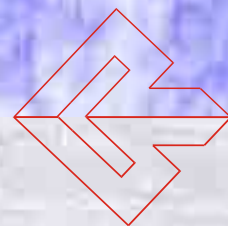


Ref.	Description	Material	Length	Qty/Box
CB 50-GS	50 mm wings	Galvanized	285 cm	50
CB 63-GS	63 mm wings	Galvanized	285cm	50
CB 70-GS	70 mm wings	Galvanized	285 cm	50
CB 50-SS	50 mm wings	Stainless Steel	300 cm	50

USAGE:

- Expanded diamond mesh wings allow for keying the plaster right up to the nose of the bead.
- Guarantees a perfect bond and provides better effective reinforcement at corners where it is needed most.
- This product is recommended for the greater corner protection and provides truer and accurate lines.





Depth Gauge Bead



Ref.	Description	Material	Length	Qty/Box
DB 10-GS	10 mm	Galvanized	300 cm	50



USAGE:

- Depth gauge is used as finishing screed, thickness gauge and guide for finishing in plaster works.
- It is also used to form a sharp separation between two different types of plaster.



Plaster Stop

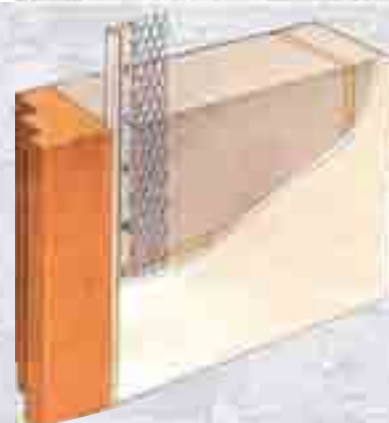


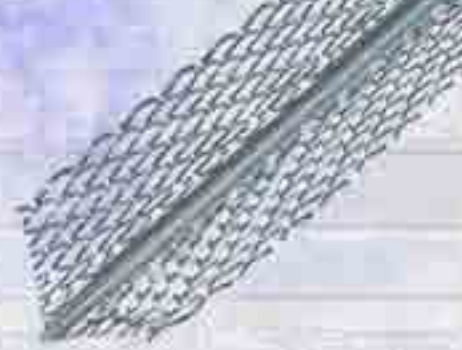
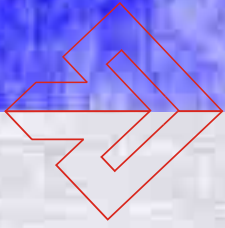
Ref.	Inside Case	Material	Length	Qty/Box
PS 10-GS	10 mm	Galvanized	285 cm	50
PS 13-GS	13 mm	Galvanized	285 cm	50
PS 16-GS	16 mm	Galvanized	285 cm	50
PS 19-GS	19 mm	Galvanized	285 cm	50

USAGE:

- Makes a neat, flush frame for doors, windows, and other openings.
- Can be used for many different applications and can also be less expensive compared to other construction methods.
- The casing beads are designed with a ridge of nail holes to provide easy installation.

PS 10-SS	10 mm	Stainless Steel	300 cm	50
PS 13-SS	13 mm	Stainless Steel	300 cm	50
PS 16-SS	16 mm	Stainless Steel	300 cm	50
PS 19-SS	19 mm	Stainless Steel	300 cm	50





Architrave Bead



Ref.	Description	Material	Length	Qty/Box
AB 13-WF	With flange 13 mm	Galvanized	285 cm	50
AB 19-WF	With flange 19 mm	Galvanized	285 cm	50
AB 13-WO	W/O flange 13 mm	Galvanized	285 cm	50
AB 19-WO	W/O flange 19 mm	Galvanized	285 cm	50

USAGE:

- *Architrave beads: Designed to form a plaster stop and a shadow line recess around door frames. They provide a key for plaster and a guide for ruling off.*



without flange

with flange

Movement Bead



Ref.	Description	Material	Length	Qty/Box
MB 10-GS	10 mm	Galvanized	270 cm	50
MB 13-GS	13 mm	Galvanized	270 cm	50
MB 16-GS	16 mm	Galvanized	270 cm	50
MB 19-GS	19 mm	Galvanized	270 cm	50
MB 10-GS	10 mm	Stainless Steel	300 cm	50
MB 13-GS	13 mm	Stainless Steel	300 cm	50
MB 16-GS	16 mm	Stainless Steel	300 cm	50
MB 19-GS	19 mm	Stainless Steel	300 cm	50

USAGE

- *Expansion joint (Movement bead): Used to relieve the stress and strains in large plaster areas of wall & ceiling stucco areas. The purpose of this joint is to minimize the chance of cracking and assures the proper plaster or stucco thickness.*





Expanded Metal Lath

Specifications:

Uni Metal expanded metal lath is made in accordance with BS 1369:Part1:1987. (ASTM C847-95).

Uni Metal laths are made from:

- Pre-galvanized steel complying with:
 - BS 2989: steel grade Z2, zinc coating type G275.
 - ASTM A527 – G60 and G90 or
 - ASTM A653/M - G90
 - DIN EN 10147
- Stainless steel complying with:
 - BS 1449: part 2 (304515)
 - AISI 304 , A2
 - DIN , material no. 1.4301

Description:

Expanded metal lath is extensively used as a background to plaster in order to reinforce it against cracks and it is especially useful at joints of dissimilar materials .Rib lath is used as a plaster background for ceilings, walls and partitions.

Applicable standard for the installation of lathing and furring is ASTM C 1063-86.

Coil Lath



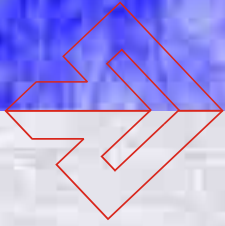
Ref.	Width	Material	Length
CL 10-GS/20	10 cm	Galvanized	20 m.
CL 15-GS/20	15 cm	Galvanized	20 m.
CL 20-GS/20	20 cm	Galvanized	20 m.
CL 10-GS/30	10 cm	Galvanized	30 m.
CL 15-GS/30	15 cm	Galvanized	30 m.
CL 20-GS/30	20 cm	Galvanized	30 m.

USAGE:

- *Coil lath is laid between courses in blockwork and embedded in the mortar jointing. It forms an integral structure of great tensile strength which is resistant to stresses, vibrations and temperature changes.*

CL 10-SS/100	10 cm	Stainless Steel	100 m.
CL 15-SS/100	15 cm	Stainless Steel	100 m.
CL 20-SS/100	20 cm	Stainless Steel	100 m.





Corner Mesh



USAGE:

- *Finished edge corner lath is used to reinforce inside corners.*

Ref.	Description	Material	Length	Qty/Box
CM 50-GS	50 X 50 mm	Galvanized	285 cm	100
CM 50-GS	75 X 75 mm	Galvanized	285 cm	100



Sheet Lath

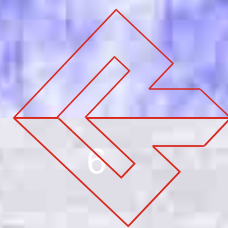


USAGE:

- *Used as exterior stucco base, column fireproofing and for plastering over old surfaces.*

Ref.	Weight	Material	Dimensions
SL 064-GS	0.64 Kg/m ²	Galvanized	244 x 60 cm
SL 082-GS	0.82 Kg/m ²	Galvanized	244 x 60 cm
SL 105-GS	1.05 Kg/m ²	Galvanized	244 x 60 cm
SL 122-GS	1.22 Kg/m ²	Galvanized	244 x 60 cm
SL 162-GS	1.62 Kg/m ²	Galvanized	244 x 60 cm
SL 185-GS	1.85 Kg/m ²	Galvanized	244 x 60 cm





Strip Mesh



Ref.	Width	Weight	Material	Length
SM 10-GS	10 cm	1.05 Kg/m ²	Galvanized	244 cm
SM 15-GS	15 cm	1.05 Kg/m ²	Galvanized	244 cm
SM 20-GS	20 cm	1.05 Kg/m ²	Galvanized	244 cm

USAGE:

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

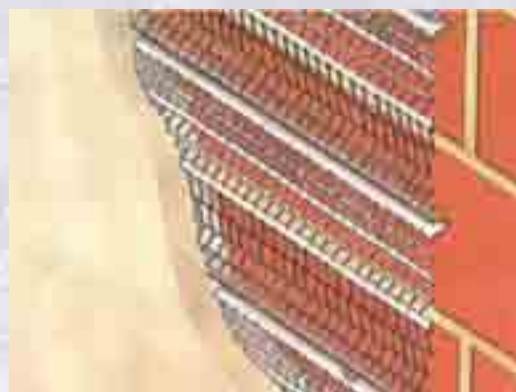
Rib Lath

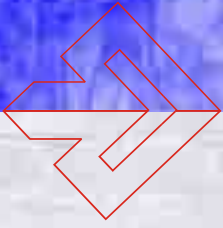


Ref.	Weight	Material	Size	Rib Height
RL 184-GS	1.84 Kg/m ²	Galvanized	250 x 70 cm	10 mm
RL 222-GS	2.22 Kg/m ²	Galvanized	250 x 70 cm	10 mm

USAGE:

- Rib lath is extensively used as a plaster background for ceilings, walls and partitions





Suspended Ceiling System Using Expanded Metal Lath

Specifications:

Uni Metal suspended ceiling system's components are manufactured from:

- Pre-galvanized steel complying with:
 - BS 2989: steel grade Z2. Zinc coating type G275
 - ASTM A527-G90 or
 - ASTM A653/M - G90
- -DIN EN 10147

Mild steel sheet complying with:

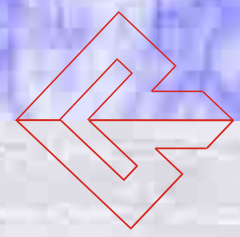
- BS 1449: sec 1.1 to 1.15 (formerly BS 1449: part1)
- ASTM A36
- Then hot-dip galvanized in accordance with
 - BS 729
 - ASTM A123
 - NF A91121-A91122
 - DIN 50976

- Mild steel wire complying with:
 - BS 1052: 1980 (1986) zinc plated after manufacture to BS 1706: 1990 (1996) or
 - BS 1052: 1980 (1986) hot-dip galvanized after manufacture to BS 729: 1971 (1994).

Suspended Ceiling Components

	Code	Dimensions	Length	Pcs./packet
Adjustable hangers	ADH	30X2.5 mm	As Required	100
Main bearers	MBR	38X11X1.5 mm	300 cm.	200
Furring channels	FUR	25X10X1.5 mm	300 cm.	200
Flat bars	FLB	30X2.5 mm	300 cm.	200





Assembly of system

Stage 1

Fit part 'B' into slot of part 'A' as illustrated and turn down.

Stage 2

Insert bolt through slot of part 'B' and hole of part 'A', attach washer and nut. To allow for equal up or down adjustment of ceiling level, locate bolt at center of slot in part 'B' and tighten nut.

Fix assembled hangers to underside of structural slab at centers specified, use suitable method which shall cater for 'design loads per hanger'.

Stage 3

Clip the main bearer channels into hook of hangers as illustrated, ensure that hangers are vertical, check bearers for level both ways, slacken nuts and adjust hangers as necessary and tighten nuts with spanner. When flat lath is to be used, fix furring channel to main bearers at each intersection with 3mm (11swg) galvanized tying wire as illustrated. Rib lath can be fixed directly to main bearer channels, with channels at maximum 600mm centers.

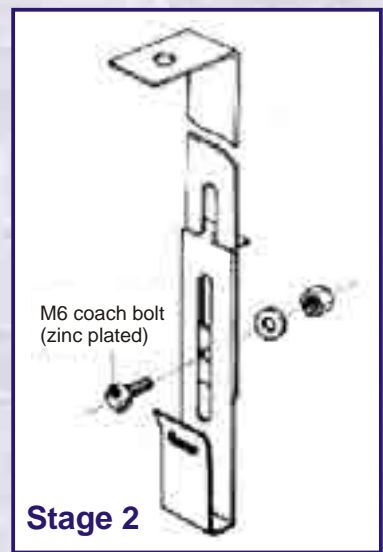
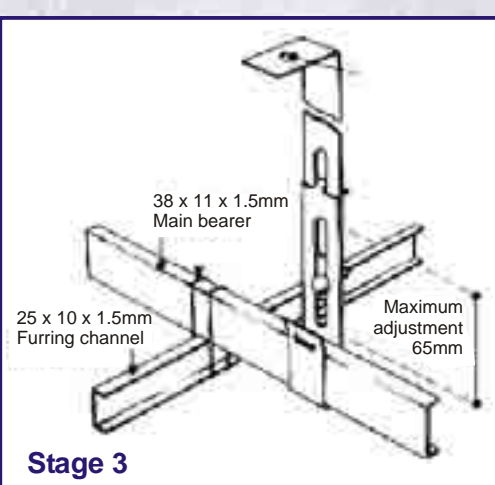
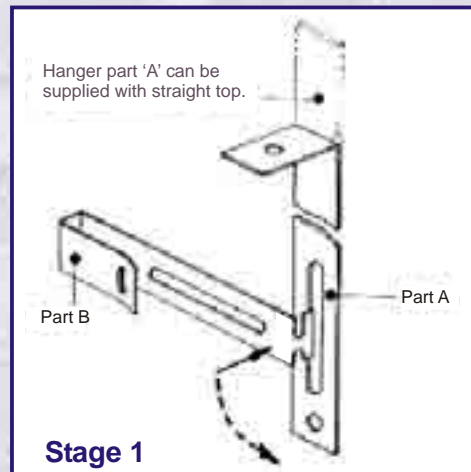
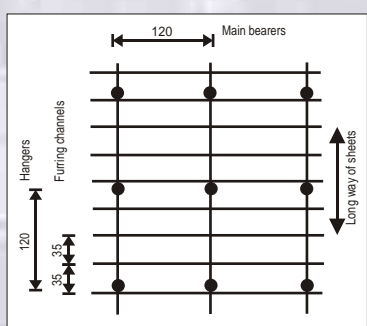
Suspended Ceiling

Recommended Grid Layout '1'

Lath type SL 162-GS and SL 185-GS
Ceiling design load-40kg/m².
Equivalent load per hanger: 58kg.

Lapping and Tying Rib Lath

Use 1.5mm (16swg)galvanized tying wire.

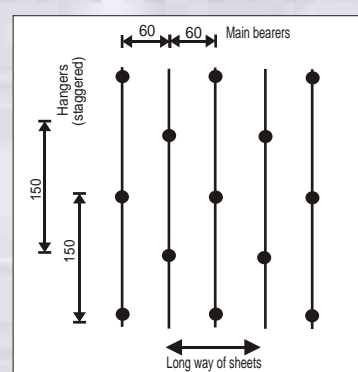


Recommended Grid Layout '2'

Rib lath type RL 184-GS and RL 222-GS.
Equivalent load per hanger: 36kg.

Lapping and Tying Rib Lath

Use 1.5mm (16swg) galvanized tying wire.



Dimensions in cm.



Block Reinforcement

Specifications:

Uni Metal block reinforcements (ladder & truss types) are manufactured by resistance welding of rods at predetermined centers conforming to BS 4483.

Hot-dip galvanization is done after manufacture to BS729:ASTM A123, DIN 50 976.

When stainless steel is used, it is in accordance with BS 1554 : 1990, AISI 304, material no. 1.4301, 18/8 composition.

Description:

Uni Metal ladder & truss types are used for the reinforcement of brick and block masonry to give improved tensile strength to walls subjected to lateral loading. They can also be beneficial in reducing the effects of vibration and differential movement.

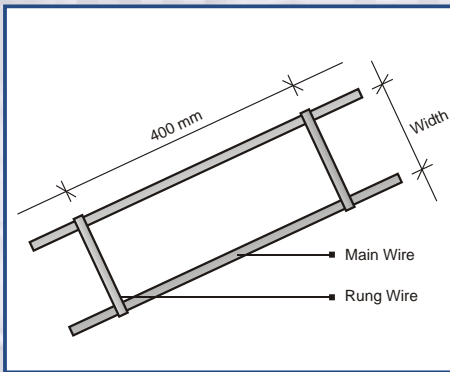
Dimensions:

- Hot – dip galvanized.
 - Main wire diameter = 4.0mm
 - Rung and diagonal wire diameter = 4.0mm
 - Rung wire centers = 400mm
- Stainless steel AISI 304
 - Main wire diameter = 4,0mm
 - Rung and diagonal wire diameter = 4,0mm
 - Rung wire centers = 400mm

Accessories

- T type
- L type
- + type

Ladder Type

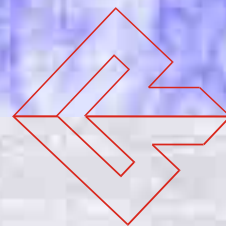


Ref.	Width	Wall Width	Material	Length
LR 050- HD 3.0	050 mm	100 mm	Hot-dip	300 cm
LR 100- HD 3.0	100 mm	150 mm	Hot-dip	300 cm
LR 150- HD 3.0	150 mm	200 mm	Hot-dip	300 cm
LR 200- HD 3.0	200 mm	250 mm	Hot-dip	300 cm

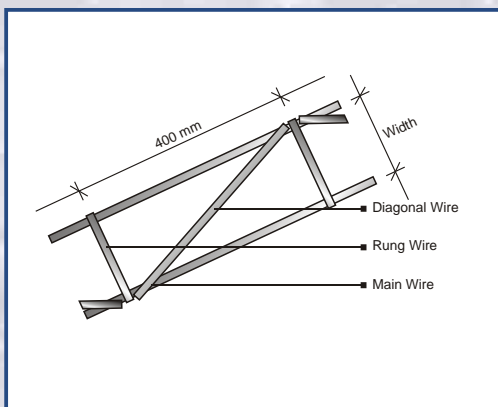
LR 050- SS 3.0	050 mm	100 mm	Stainless Steel	300 cm
LR 100- SS 3.0	100 mm	150 mm	Stainless Steel	300 cm
LR 150- SS 3.0	150 mm	200 mm	Stainless Steel	300 cm
LR 200- SS 3.0	200 mm	250 mm	Stainless Steel	300 cm



Bends, Tee-branches, and intersections can be manufactured upon request

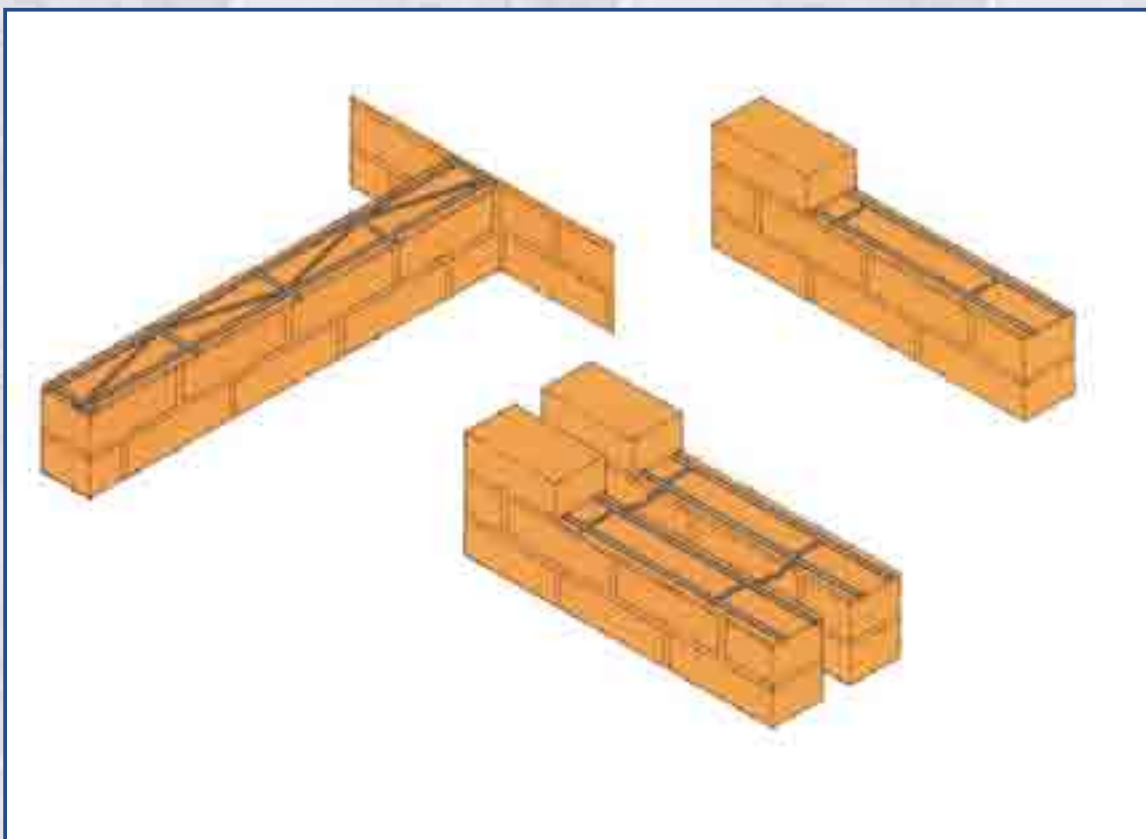


Truss Type

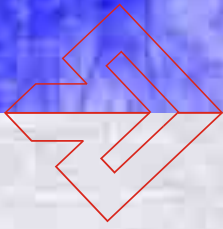


Ref.	Width	Wall Width	Material	Length
TR 050- HD 3.0	050 mm	100 mm	Hot-dip	300 cm
TR 100- HD 3.0	100 mm	150 mm	Hot-dip	300 cm
TR 150- HD 3.0	150 mm	200 mm	Hot-dip	300 cm
TR 200- HD 3.0	200 mm	250 mm	Hot-dip	300 cm

TR 050- SS 3.0	050 mm	100 mm	Stainless Steel	300 cm
TR 100- SS 3.0	100 mm	150 mm	Stainless Steel	300 cm
TR 150- SS 3.0	150 mm	200 mm	Stainless Steel	300 cm
TR 200- SS 3.0	200 mm	250 mm	Stainless Steel	300 cm



Bends, Tee-branches, and intersections can be manufactured upon request



Standards & Finishes

SFSP ensures that all of the materials used during the fabrication and finishing of its products conform to the relevant standards.

- **Pre - galvanized (mill galvanized)**

- BS 2989, steel grade Z2 zinc coating G275
- ASTM A527, A525 G60 & G90
- ASTM A653/M - G90
- DIN EN 10147
- EN 10147: 1992
- NF A36-321 (DX51D+Z275)
- ISO 3575
- Wires to ASTM A641
- EN 10142 (low carbon steel)

- **Mild steel sheet:**

- BS 1449 sec. 1.1 to 1.15 (formerly BS1449: part 1)
- ASTM A 36
- DIN 17100, St 37-2.
- BS 4360 grade 43A
- ASTM A569
- EN 10025: 1990.
- BS 970

- **Hot-dip-galvanization:**

- BS 729: 1971 (1994)
- ASTM A123
- DIN 50976
- NF A91121-A91122
- ISO 1461
- (Bolts, nuts, washers to ASTM B696, ASTM A153)

- **Powder Coating**

- Adhesion to ASTM D3359-83

- **Stainless Steel**

Sheets (standard)

- BS 1449: part2/304S15
- AISI 304
- DIN 18516, No. 1.4301 (A2)
- EN 10088-2



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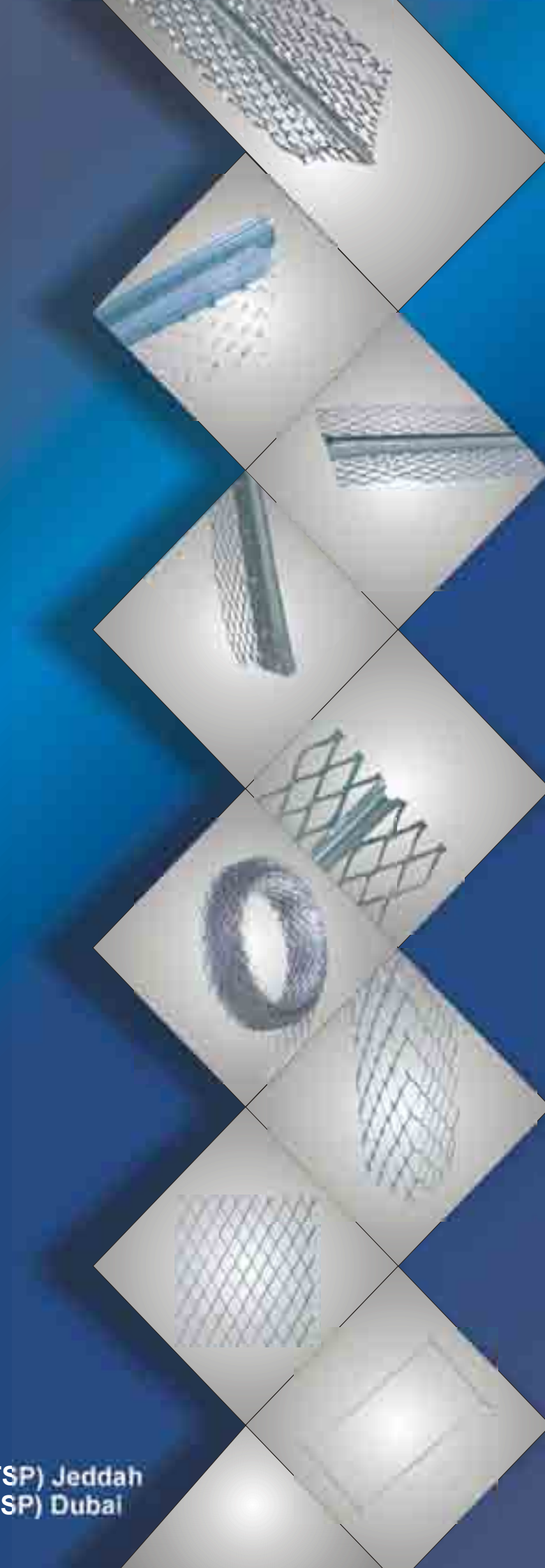
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Most of the dimensions shown are nominal. **SFSP** can make modifications in specifications, design, materials or finishes as it deems necessary or desirable.



SFSP

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Sigma Factory for Steel Products (SFSP) Dubai