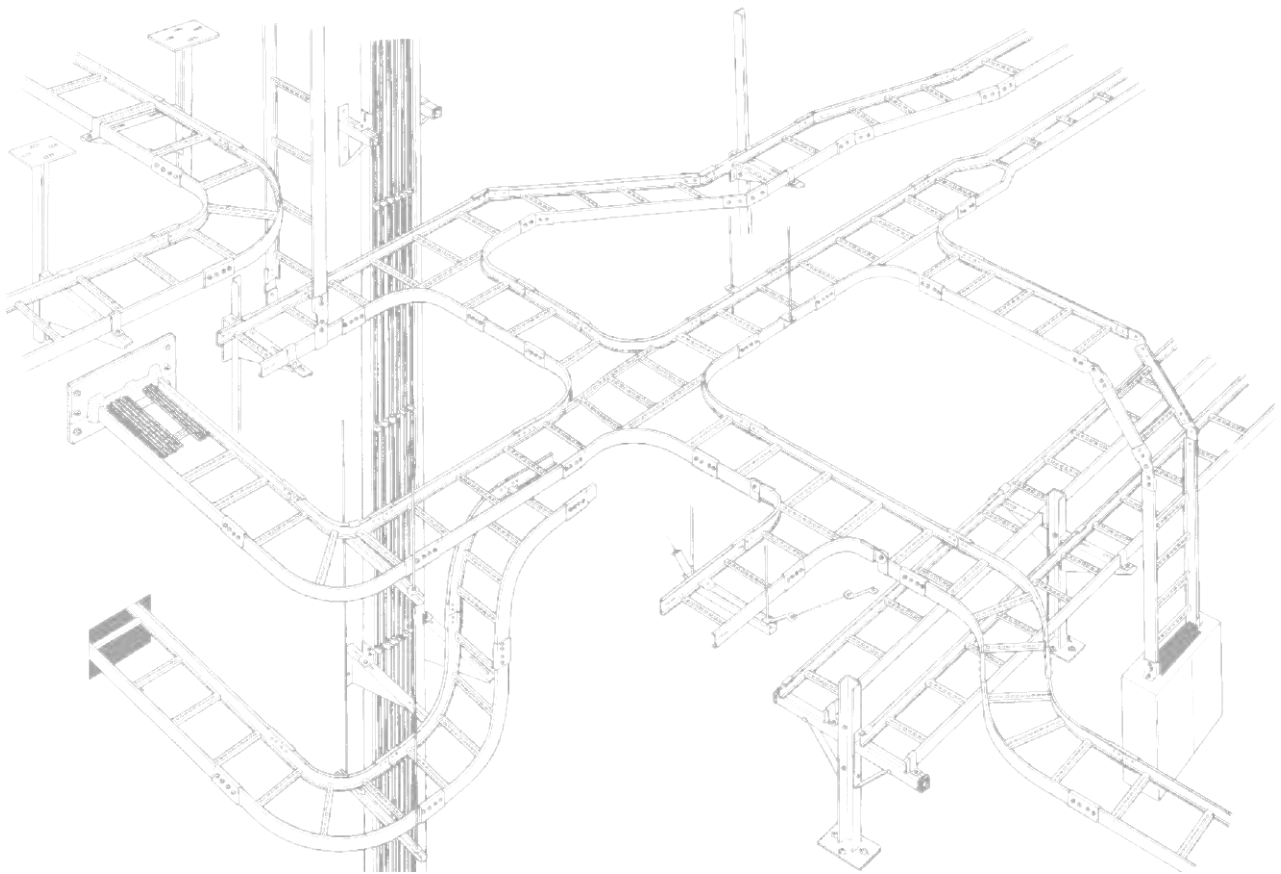




PARMAR





Parmar Metals Pvt. Limited (P.M.P.L.) the name which is trusted by our valuable customers and the leader amongst the perforation companies in India was established in the year 1983.

The company is engaged in the business of manufacturing of wide range of perforated as well as expanded metal products, Perforated & Ladder Type Cable Trays, Accessories, Supporting System & Hot Dip Galvanise Plant.

The Company is situated at survey no. 207, Veraval (Shapar), Rajkot in the state of Gujarat (India). Having Five Factory Buildings with a total built up area of 7500 sq.m. All the factories are equipped with modern high tech machineries along with enthusiastic skilled workforce of 135 employees.

The initial principle business of the company is involved in manufacturing and trading of sheet metal products. Today, company's business is successfully spreading in private as well as government sectors like Service, Defense, Railway, BHEL, NTPC.

The company assures and provide quality products at competitive rates prompt delivery and efficient service which has become the contributory factor to comment a major local market share and establish a strong industrial export market position.

THE MAJOR PRODUCT RANGE MANUFACTURED BY PMPL :-

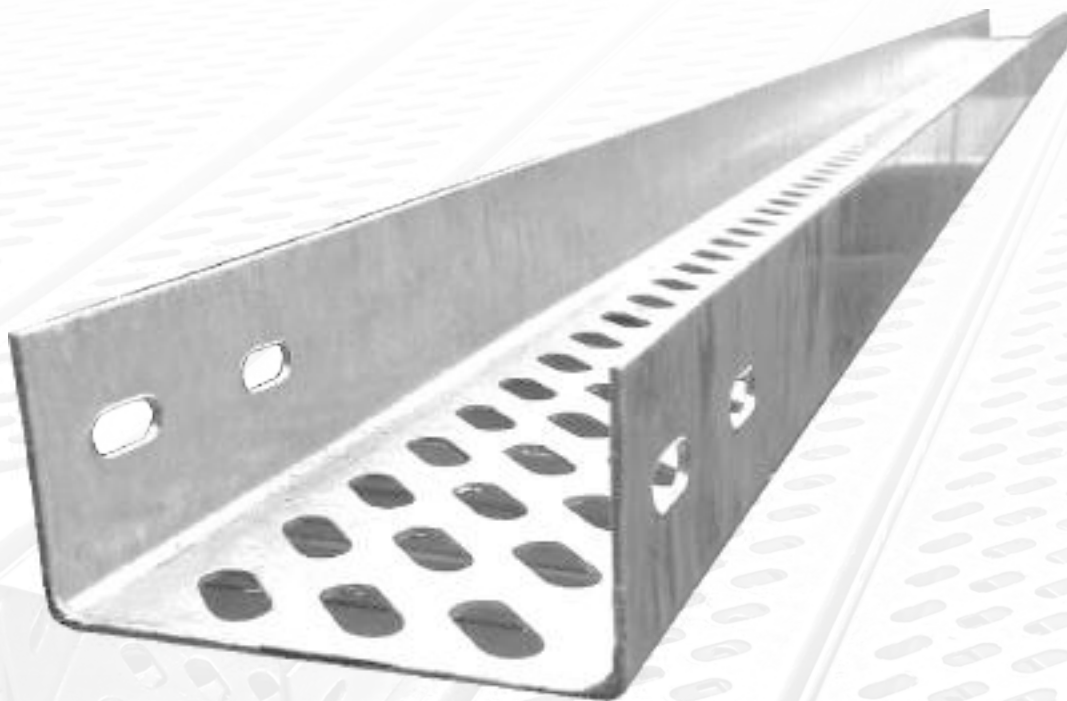
- 1) Perforated Metal Sheets for Multiple Applications
- 2) Expanded Metal Sheets.
- 3) Cable Trays (Perforated & Ladder Type with Support System)
 - Perforated Type
 - Ladder Type
 - Cable Trays Accessories
 - Cable Support System
 - Race Ways (Floor Application)
 - Wire Ways / Duct (Ceiling Application)
 - 4 Way Junction Box & Accessories
- 4) Earthing Flats, Pipes, Round Bar & Expanded.
- 5) Telecom & Power Structures.
- 6) Solar Power Structures.
- 7) Hot Dip Galvanise.
- 8) Acid Pickling (Zink Phosphating)



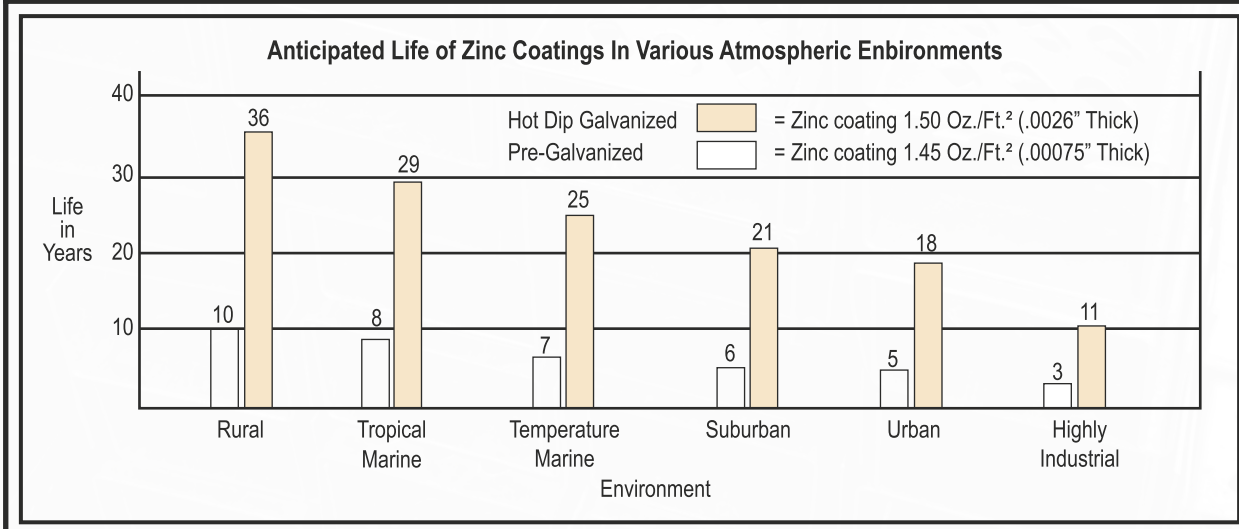


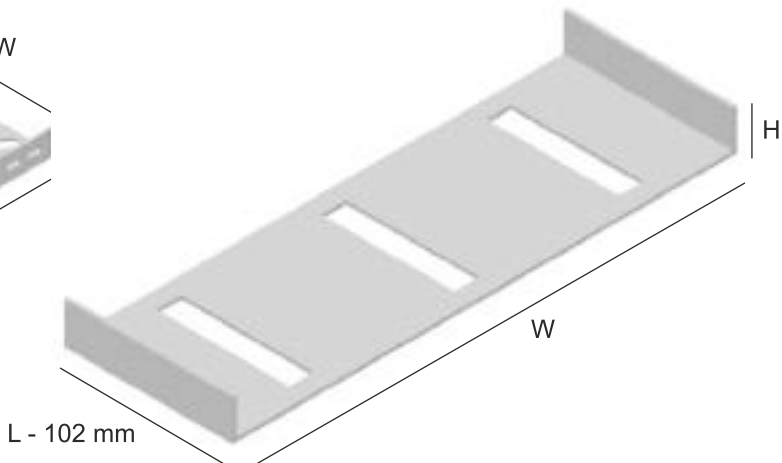
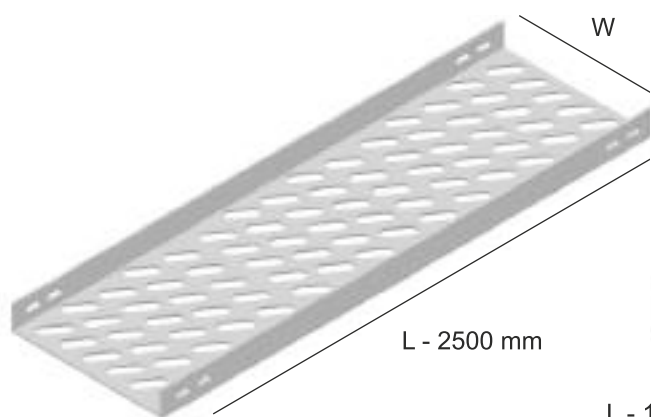
STANDARD CABLE TRAY

PERFORATED TYPE



Cable Tray Selection - Material & Finish





Straight Length

Part No. : PMPL 101

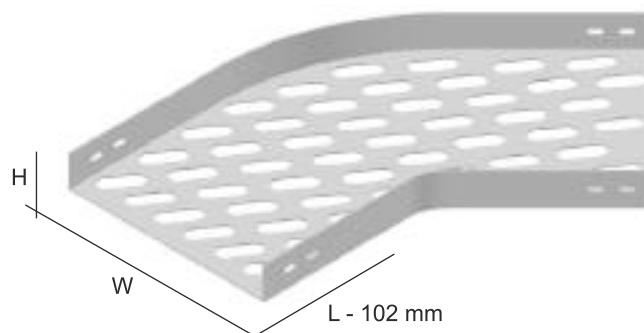
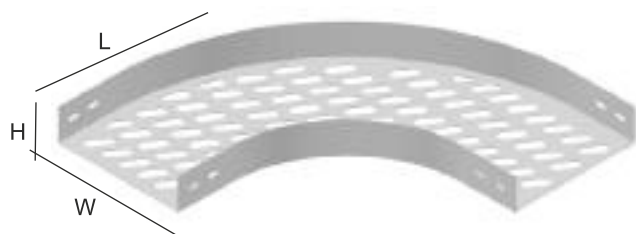
| W(mm) | H(mm) | T(mm) |
|-------|-------|-------|
| 50 | 25/50 | 1.6/2 |
| 75 | 25/50 | 1.6/2 |
| 100 | 25/50 | 1.6/2 |
| 150 | 25/50 | 1.6/2 |
| 200 | 25/50 | 2/2.5 |
| 300 | 25/50 | 2/2.5 |
| 400 | 25/50 | 2/2.5 |
| 500 | 25/50 | 2/2.5 |
| 600 | 25/50 | 2/2.5 |

A wide range of sizes is available.

Fish Plate

Part No. : PMPL 102

| W(mm) | H(mm) | No. Slots | Type | T(mm) |
|-------|-------|-----------|------|-------|
| 53 | 25/50 | 2 | 1 | 1.6/2 |
| 78 | 25/50 | 2 | 1 | 1.6/2 |
| 104 | 25/50 | 2 | 1 | 1.6/2 |
| 154 | 25/50 | 2 | 1 | 1.6/2 |
| 204 | 25/50 | 2 | 1 | 2/2.5 |
| 304 | 25/50 | 3 | 2 | 2/2.5 |
| 404 | 25/50 | 3 | 2 | 2/2.5 |
| 504 | 25/50 | 3 | 2 | 2/2.5 |
| 604 | 25/50 | 3 | 2 | 2/2.5 |



90° Bend

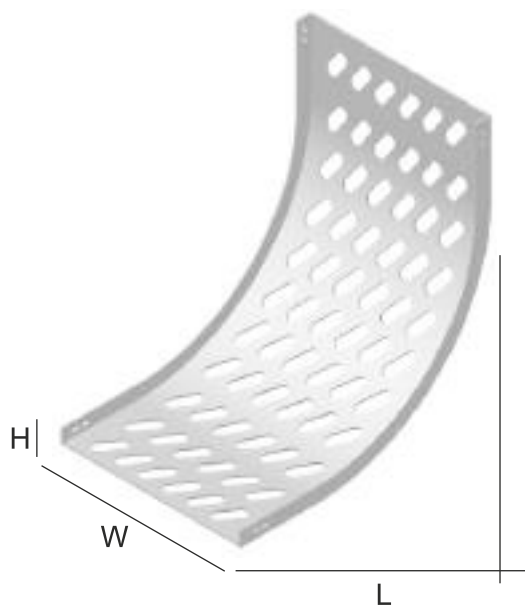
Part No. : PMPL 103

| W(mm) | H(mm) | T(mm) |
|-------|-------|-------|
| 50 | 25/50 | 1.6/2 |
| 75 | 25/50 | 1.6/2 |
| 100 | 25/50 | 1.6/2 |
| 150 | 25/50 | 1.6/2 |
| 200 | 25/50 | 2/2.5 |
| 300 | 25/50 | 2/2.5 |
| 400 | 25/50 | 2/2.5 |
| 500 | 25/50 | 2/2.5 |
| 600 | 25/50 | 2/2.5 |

45° Bend

Part No. : PMPL 104

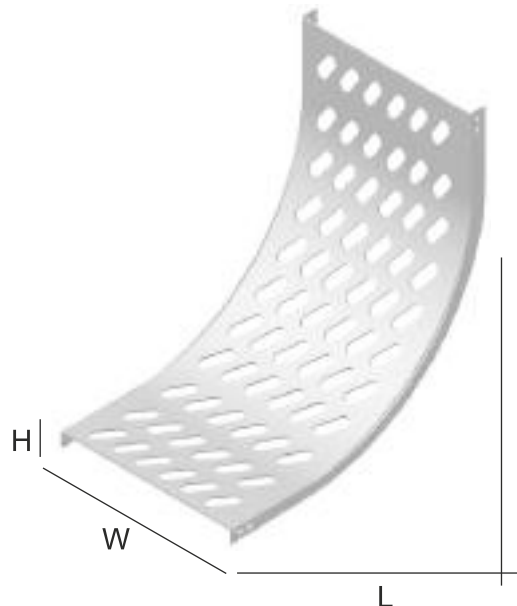
| W(mm) | H(mm) | T(mm) |
|-------|-------|-------|
| 50 | 25/50 | 1.6/2 |
| 75 | 25/50 | 1.6/2 |
| 100 | 25/50 | 1.6/2 |
| 150 | 25/50 | 1.6/2 |
| 200 | 25/50 | 2/2.5 |
| 300 | 25/50 | 2/2.5 |
| 400 | 25/50 | 2/2.5 |
| 500 | 25/50 | 2/2.5 |
| 600 | 25/50 | 2/2.5 |



90° Internal Riser

Part No. : PMPL 105

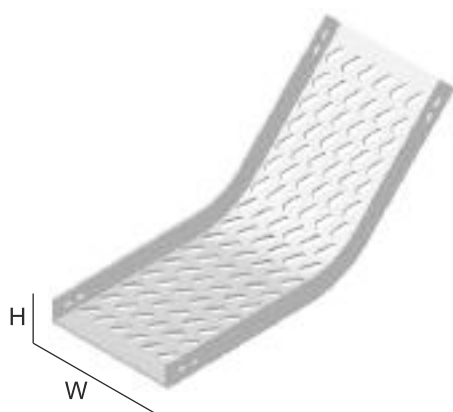
| W(mm) | H(mm) | T(mm) |
|-------|-------|-------|
| 50 | 25/50 | 1.6/2 |
| 75 | 25/50 | 1.6/2 |
| 100 | 25/50 | 1.6/2 |
| 150 | 25/50 | 1.6/2 |
| 200 | 25/50 | 2/2.5 |
| 300 | 25/50 | 2/2.5 |
| 400 | 25/50 | 2/2.5 |
| 500 | 25/50 | 2/2.5 |
| 600 | 25/50 | 2/2.5 |



90° External Riser

Part No. : PMPL 106

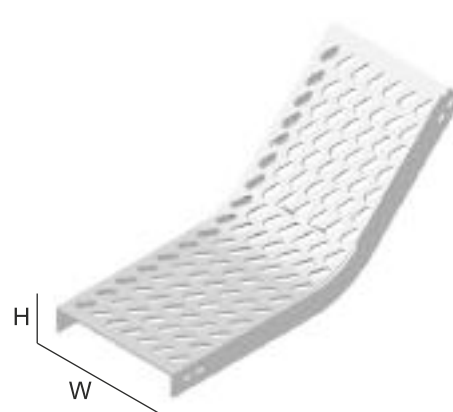
| W(mm) | H(mm) | T(mm) |
|-------|-------|-------|
| 50 | 25/50 | 1.6/2 |
| 75 | 25/50 | 1.6/2 |
| 100 | 25/50 | 1.6/2 |
| 150 | 25/50 | 1.6/2 |
| 200 | 25/50 | 2/2.5 |
| 300 | 25/50 | 2/2.5 |
| 400 | 25/50 | 2/2.5 |
| 500 | 25/50 | 2/2.5 |
| 600 | 25/50 | 2/2.5 |



45° Internal Riser

Part No. : PMPL 107

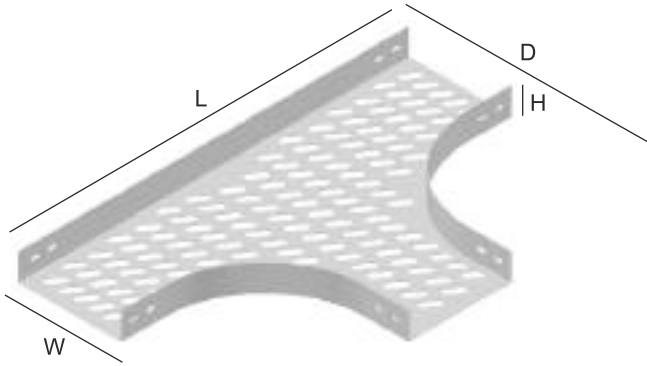
| W(mm) | H(mm) | T(mm) |
|-------|-------|-------|
| 50 | 25/50 | 1.6/2 |
| 75 | 25/50 | 1.6/2 |
| 100 | 25/50 | 1.6/2 |
| 150 | 25/50 | 1.6/2 |
| 200 | 25/50 | 2/2.5 |
| 300 | 25/50 | 2/2.5 |
| 400 | 25/50 | 2/2.5 |
| 500 | 25/50 | 2/2.5 |
| 600 | 25/50 | 2/2.5 |



45° External Riser

Part No. : PMPL 108

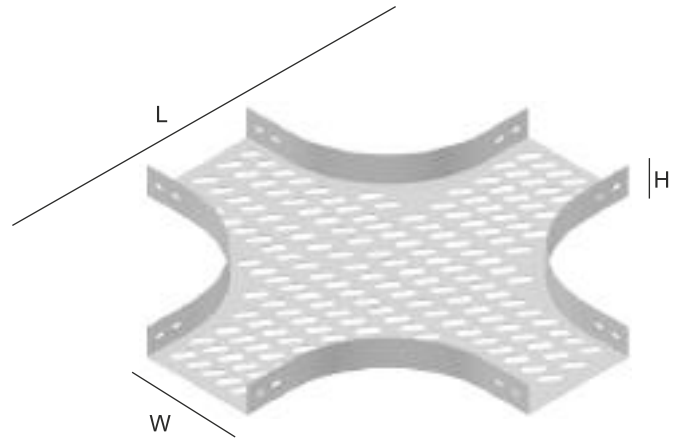
| W(mm) | H(mm) | T(mm) |
|-------|-------|-------|
| 50 | 25/50 | 1.6/2 |
| 75 | 25/50 | 1.6/2 |
| 100 | 25/50 | 1.6/2 |
| 150 | 25/50 | 1.6/2 |
| 200 | 25/50 | 2/2.5 |
| 300 | 25/50 | 2/2.5 |
| 400 | 25/50 | 2/2.5 |
| 500 | 25/50 | 2/2.5 |
| 600 | 25/50 | 2/2.5 |



Tee

Part No. : PMPL 109

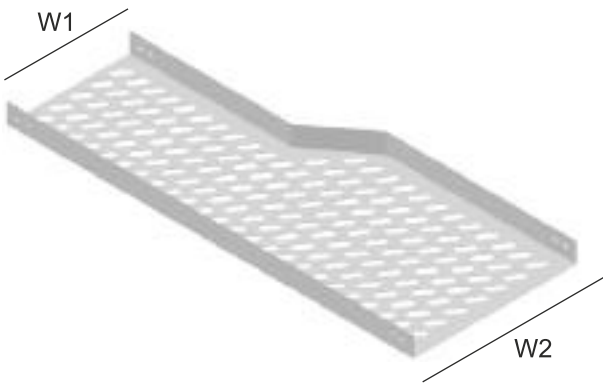
| W(mm) | H(mm) | L(mm) | D(mm) | T(mm) |
|-------|-------|-------|-------|-------|
| 50 | 25/50 | 356 | 203 | 1.6/2 |
| 75 | 25/50 | 381 | 228 | 1.6/2 |
| 100 | 25/50 | 406 | 253 | 1.6/2 |
| 150 | 25/50 | 456 | 303 | 1.6/2 |
| 200 | 25/50 | 506 | 353 | 2/2.5 |
| 300 | 25/50 | 606 | 453 | 2/2.5 |
| 400 | 25/50 | 706 | 553 | 2/2.5 |
| 500 | 25/50 | 806 | 653 | 2/2.5 |
| 600 | 25/50 | 906 | 753 | 2/2.5 |



Cross

Part No. : PMPL 110

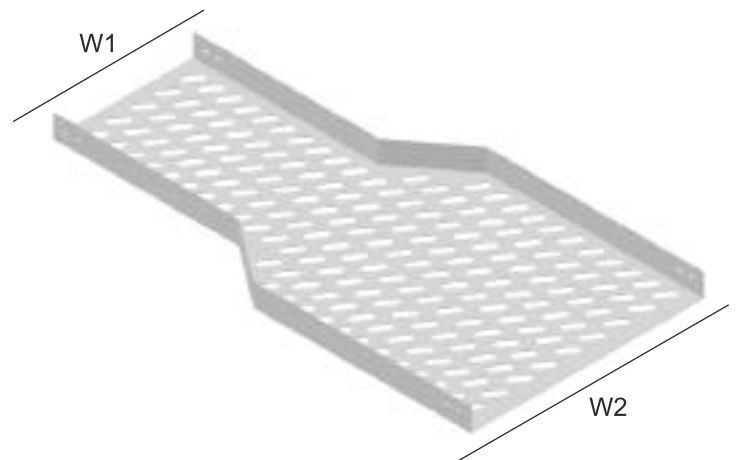
| W(mm) | H(mm) | L(mm) | T(mm) |
|-------|-------|-------|-------|
| 50 | 25/50 | 350 | 1.6/2 |
| 75 | 25/50 | 375 | 1.6/2 |
| 100 | 25/50 | 400 | 1.6/2 |
| 150 | 25/50 | 450 | 1.6/2 |
| 200 | 25/50 | 500 | 2/2.5 |
| 300 | 25/50 | 600 | 2/2.5 |
| 400 | 25/50 | 700 | 2/2.5 |
| 500 | 25/50 | 800 | 2/2.5 |
| 600 | 25/50 | 900 | 2/2.5 |



LH / RH Reducer

Part No. : PMPL 111

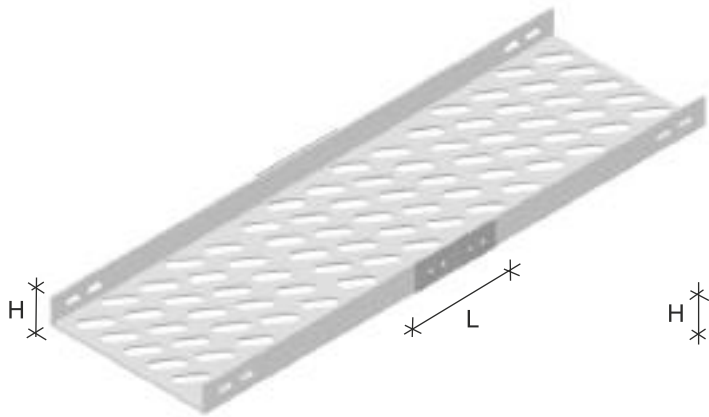
| W-1 | W-2 | T(mm) |
|-----|-----|-------|
| 50 | 75 | 1.5/2 |
| 75 | 100 | 1.5/2 |
| 100 | 150 | 1.5/2 |
| 150 | 200 | 1.5/2 |
| 200 | 300 | 2/2.5 |
| 300 | 400 | 2/2.5 |
| 400 | 500 | 2/2.5 |
| 500 | 600 | 2/2.5 |
| 600 | 800 | 2/2.5 |



Central Reducer

Part No. : PMPL 112

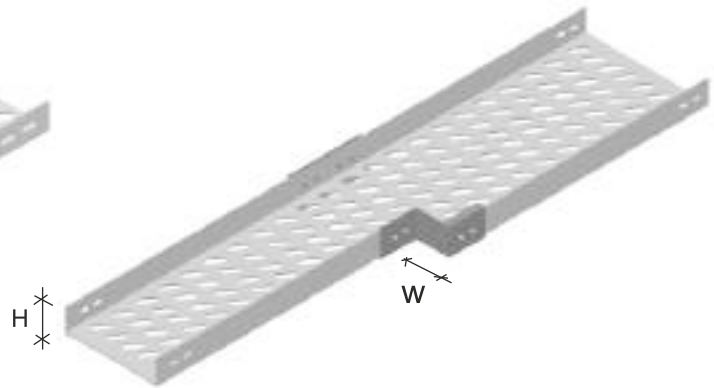
| W-1 | W-2 | T(mm) |
|-----|-----|-------|
| 50 | 75 | 1.5/2 |
| 75 | 100 | 1.5/2 |
| 100 | 150 | 1.5/2 |
| 150 | 200 | 1.5/2 |
| 200 | 300 | 2/2.5 |
| 300 | 400 | 2/2.5 |
| 400 | 500 | 2/2.5 |
| 500 | 600 | 2/2.5 |
| 600 | 800 | 2/2.5 |



Coupler / Straight Joint Plate

Part No. : PMPL 113

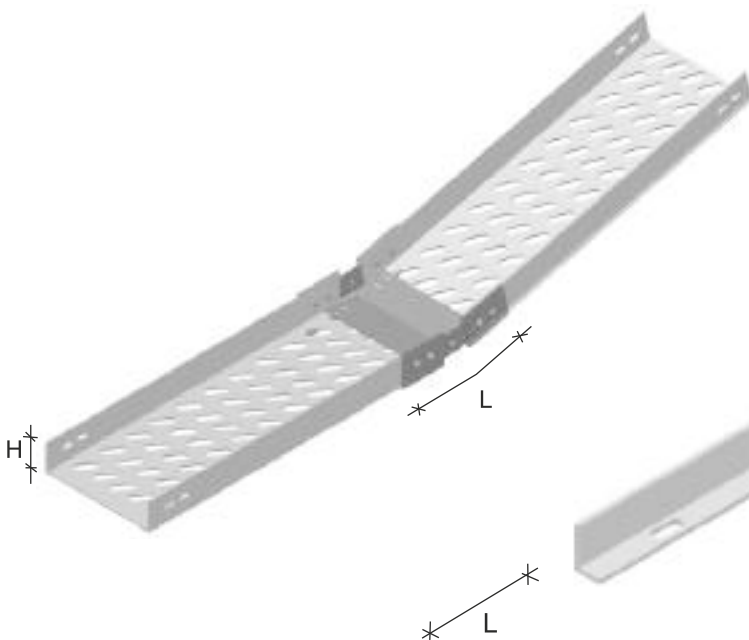
| H (mm) | L (mm) | T (mm) |
|--------|--------|--------|
| 52 | 210 | 1.5 |
| 77 | 210 | 1.5 |
| 102 | 210 | 1.5 |



Reducer Plate

Part No. : PMPL 114

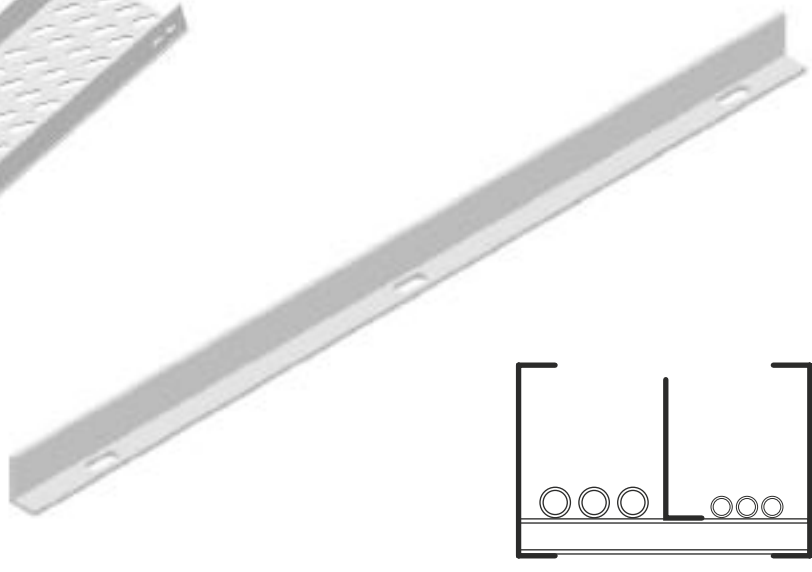
| Width (mm) |
|------------|
| 100 |
| 200 |
| 300 |



Vertical Adjustable Joint Plate

Part No. : PMPL 115

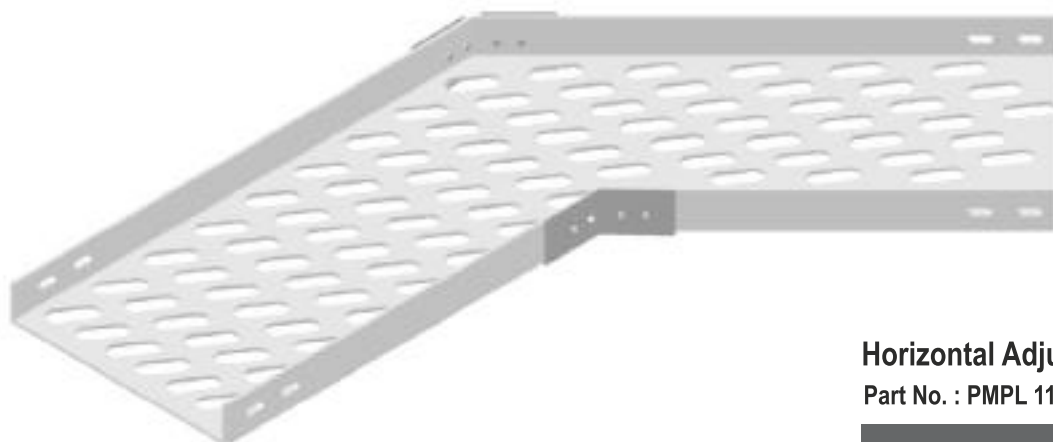
| H (mm) | L (mm) | T (mm) |
|--------|--------|--------|
| 52 | 400 | 1.5 |
| 77 | 400 | 1.5 |
| 102 | 400 | 1.5 |



Partition Plate

Part No. : PMPL 116

| Size (mm) |
|-----------|
| 25 |
| 50 |
| 75 |
| 100 |



Horizontal Adjustable Splice Plate

Part No. : PMPL 117

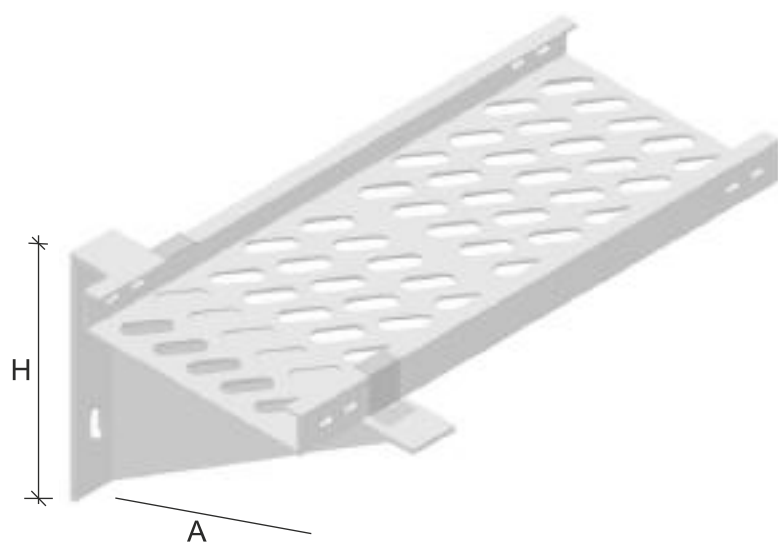
| H (mm) | L (mm) | T (mm) |
|--------|--------|--------|
| 52 | 270 | 1.5 |
| 77 | 270 | 1.5 |
| 102 | 270 | 1.5 |



Hold Down Clamp -1 Set

Part No. : PMPL 118

| H (mm) | T (mm) |
|--------|--------|
| 52 | 1.5 |
| 77 | 1.5 |
| 102 | 1.5 |



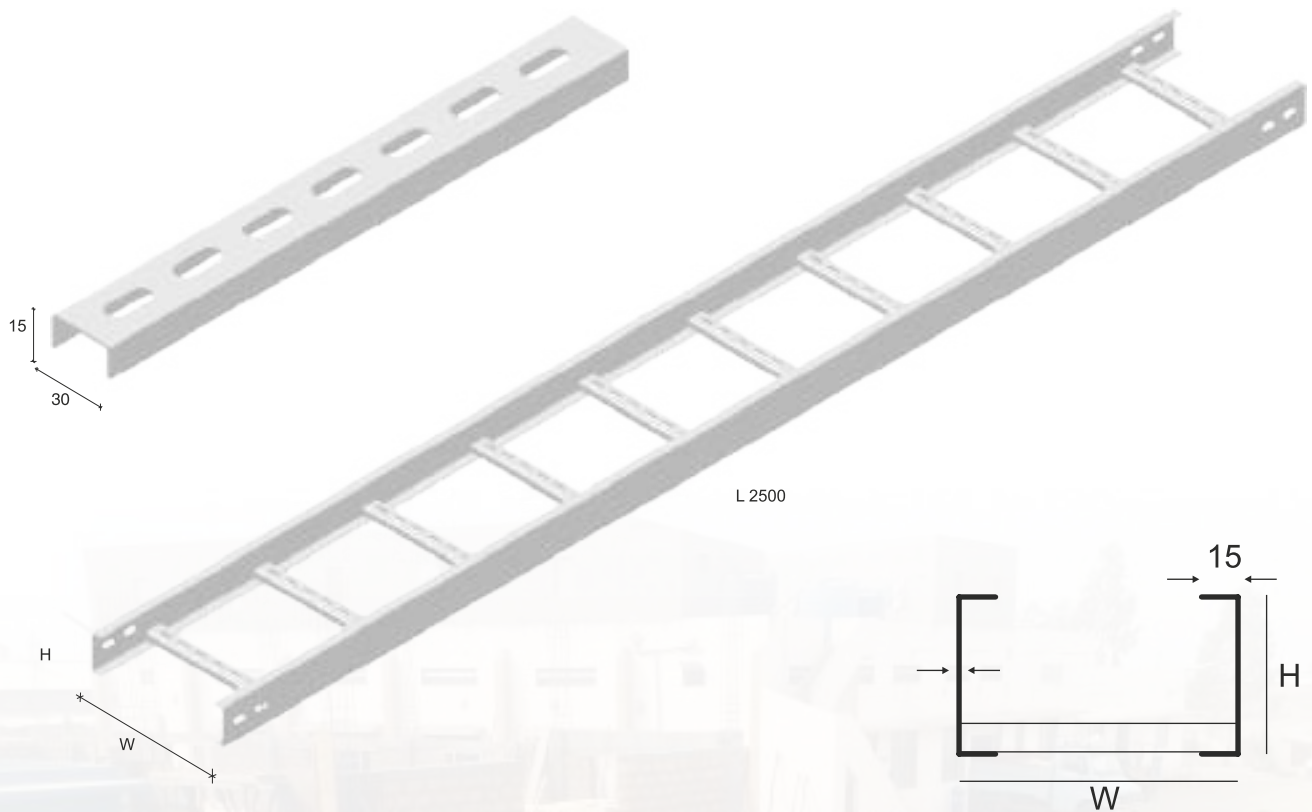
Support Bracket Part No. : PMPL 119

| Width of Applicable Tray (mm) | Thickness (mm) | A (mm) | H (mm) |
|-------------------------------|----------------|--------|--------|
| 200 | 2.3 | 300 | 125 |
| 300 | 2.3 | 400 | 125 |
| 400 | 3.0 | 500 | 150 |
| 600 | 3.0 | 700 | 150 |
| 700 | 3.0 | 800 | 150 |

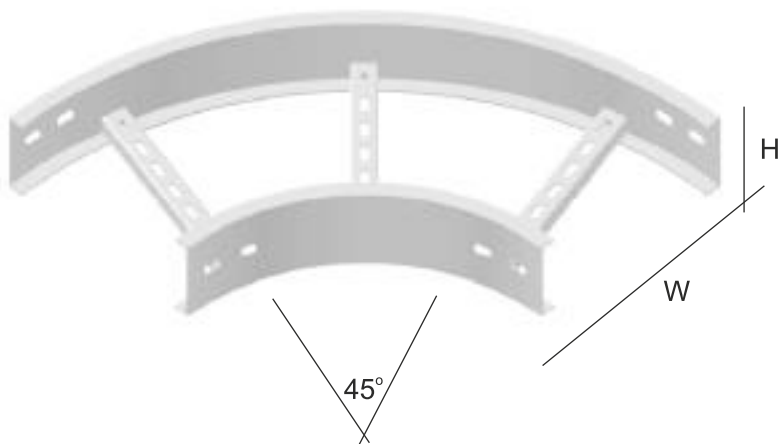
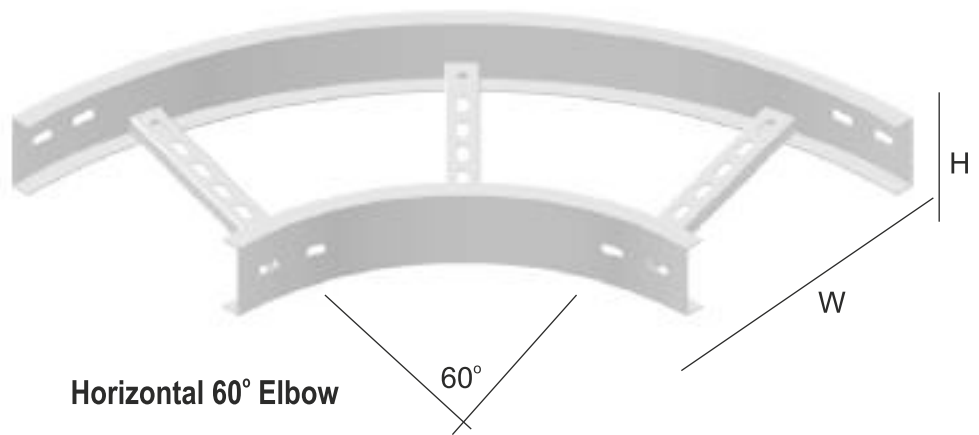
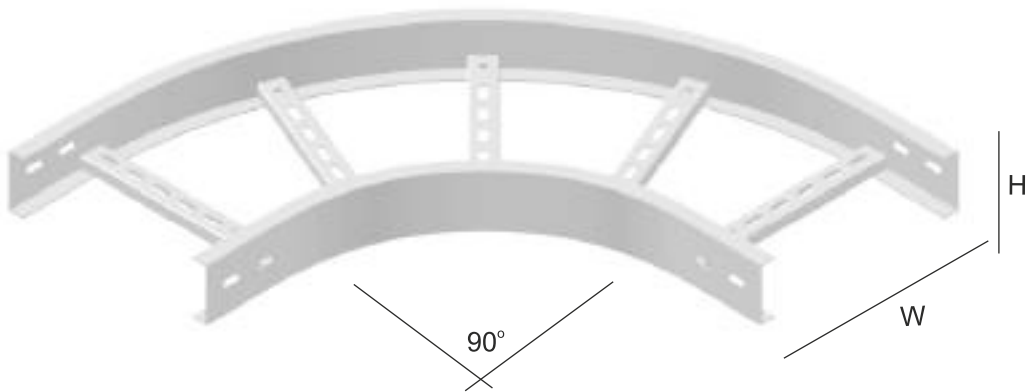


STANDARD CABLE TRAY

LADDER TYPE



| W(mm) | T(mm) | H(mm) |
|-------|-------|-----------|
| 150 | 2/2.5 | 50/75 |
| 200 | 2/2.5 | 50/75 |
| 300 | 2/2.5 | 50/75 |
| 400 | 2/2.5 | 50/75 |
| 600 | 2/2.5 | 50/75/100 |
| 750 | 2/2.5 | 50/75/100 |
| 900 | 2.5/3 | 50/75/100 |

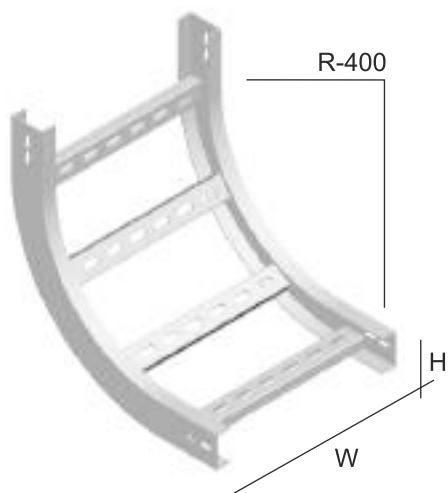


Horizontal 45° Elbow

Horizontal 90°, 60° & 45° Elbow

Part No. : PMPL 201

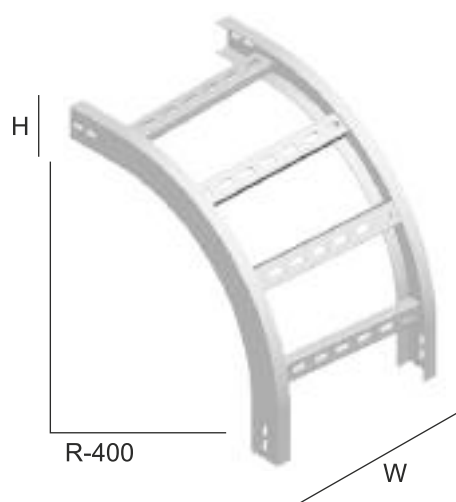
| W (mm) | T (mm) |
|-----------|-----------|
| 150 | 2/2.5 |
| 200 | 2/2.5 |
| 300 | 2/2.5 |
| 400 | 2/2.5 |
| 600 | 2/2.5 |
| 750 | 2/2.5 |
| 900 | 2.5/3 |



Vertical Riser (Int.)

Part No. : PMPL 202

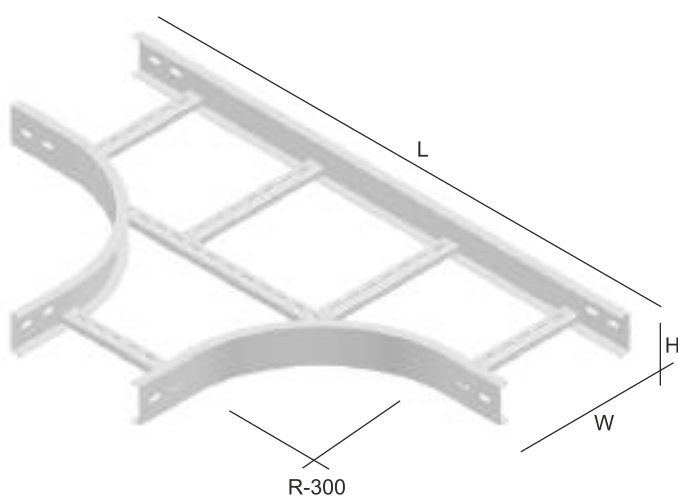
| W (mm) | T (mm) |
|--------|--------|
| 150 | 2/2.5 |
| 200 | 2/2.5 |
| 300 | 2/2.5 |
| 400 | 2/2.5 |
| 600 | 2/2.5 |
| 750 | 2/2.5 |
| 900 | 2.5/3 |



Vertical Riser (Ext.)

Part No. : PMPL 203

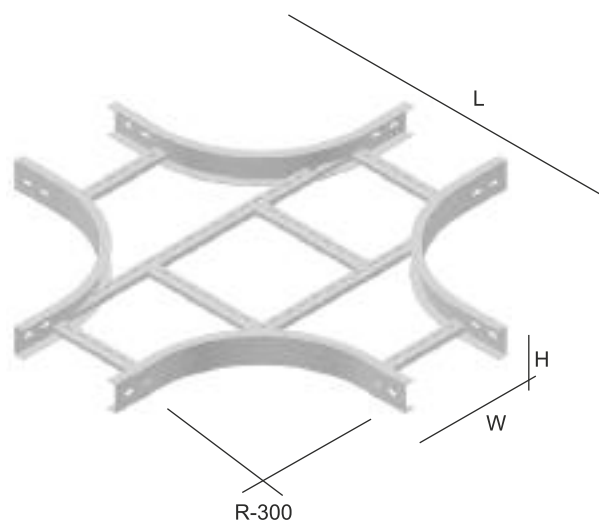
| W (mm) | T (mm) |
|--------|--------|
| 150 | 2/2.5 |
| 200 | 2/2.5 |
| 300 | 2/2.5 |
| 400 | 2/2.5 |
| 600 | 2/2.5 |
| 750 | 2/2.5 |
| 900 | 2.5/3 |



Horizontal Tee

Part No. : PMPL 204

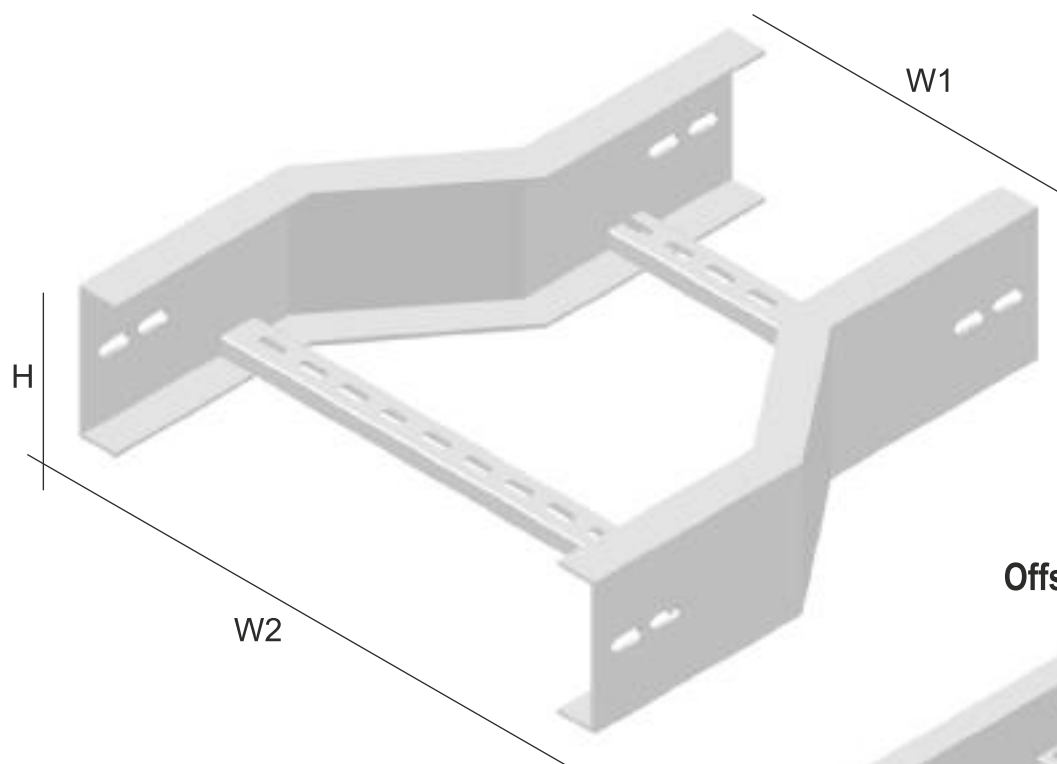
| W (mm) | T (mm) | L (mm) |
|--------|--------|--------|
| 150 | 2/2.5 | 1050 |
| 200 | 2/2.5 | 1100 |
| 300 | 2/2.5 | 1200 |
| 400 | 2/2.5 | 1300 |
| 600 | 2/2.5 | 1500 |
| 750 | 2/2.5 | 1650 |
| 900 | 2.5/3 | 1800 |



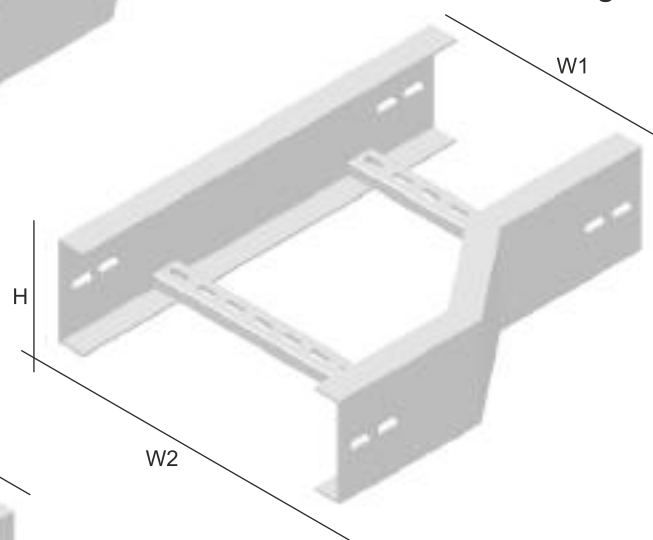
Horizontal Cross

Part No. : PMPL 205

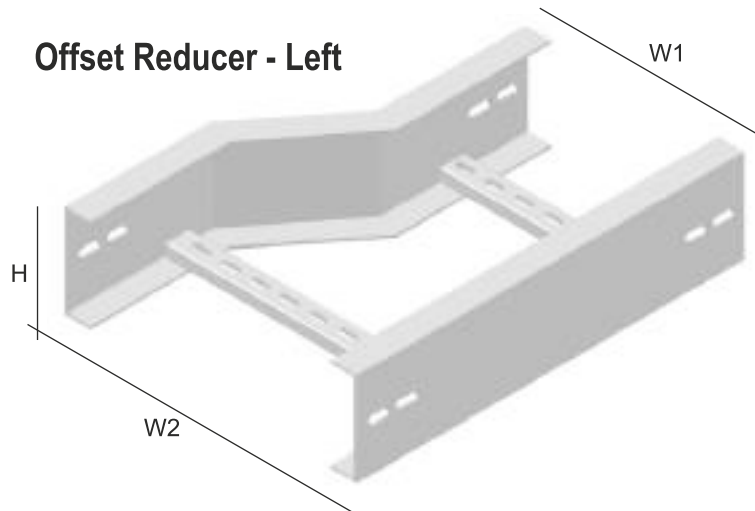
| W (mm) | T (mm) | L (mm) |
|--------|--------|--------|
| 150 | 2/2.5 | 1050 |
| 200 | 2/2.5 | 1100 |
| 300 | 2/2.5 | 1200 |
| 400 | 2/2.5 | 1250 |
| 600 | 2/2.5 | 1500 |
| 750 | 2/2.5 | 1650 |
| 900 | 2.5/3 | 1800 |



Offset Reducer - Right



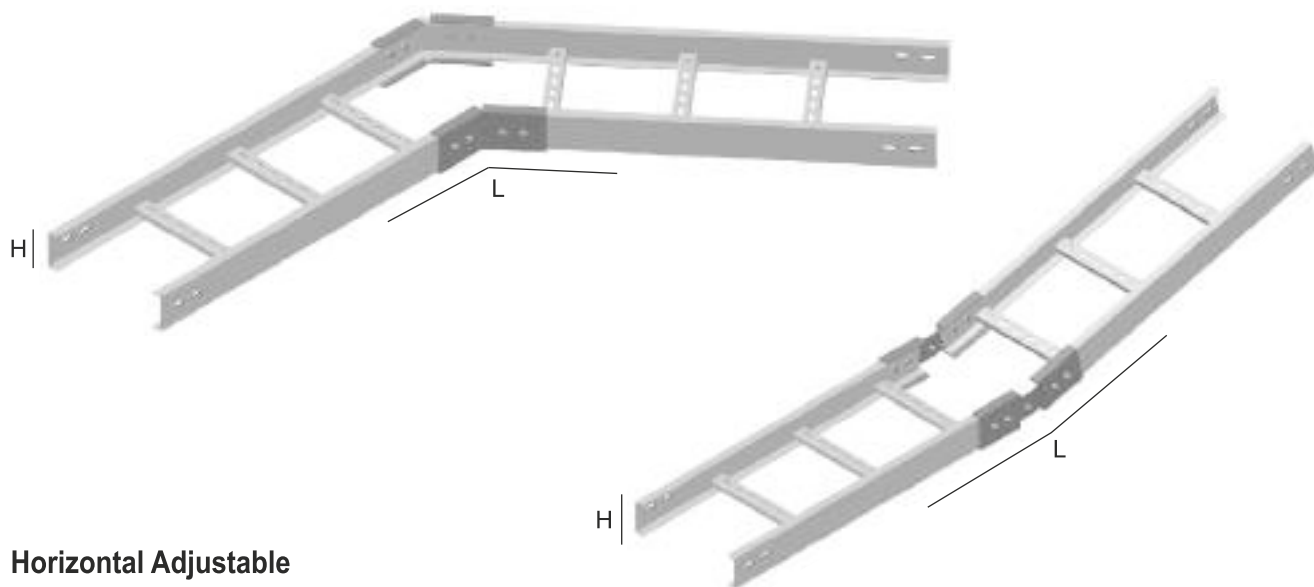
Offset Reducer - Left



Straight Reducer

Part No. : PMPL 206

| W1 (mm) | W2 (mm) | T (mm) |
|------------|------------|-----------|
| 150 | 200 | 2/2.5 |
| 200 | 300 | 2/2.5 |
| 300 | 400 | 2/2.5 |
| 400 | 450 | 2/2.5 |
| 450 | 500 | 2/2.5 |
| 500 | 600 | 2/2.5 |
| 600 | 700 | 2/2.5 |
| 750 | 800 | 2/2.5 |
| 800 | 900 | 2.5/3 |



Horizontal Adjustable Splice Plate

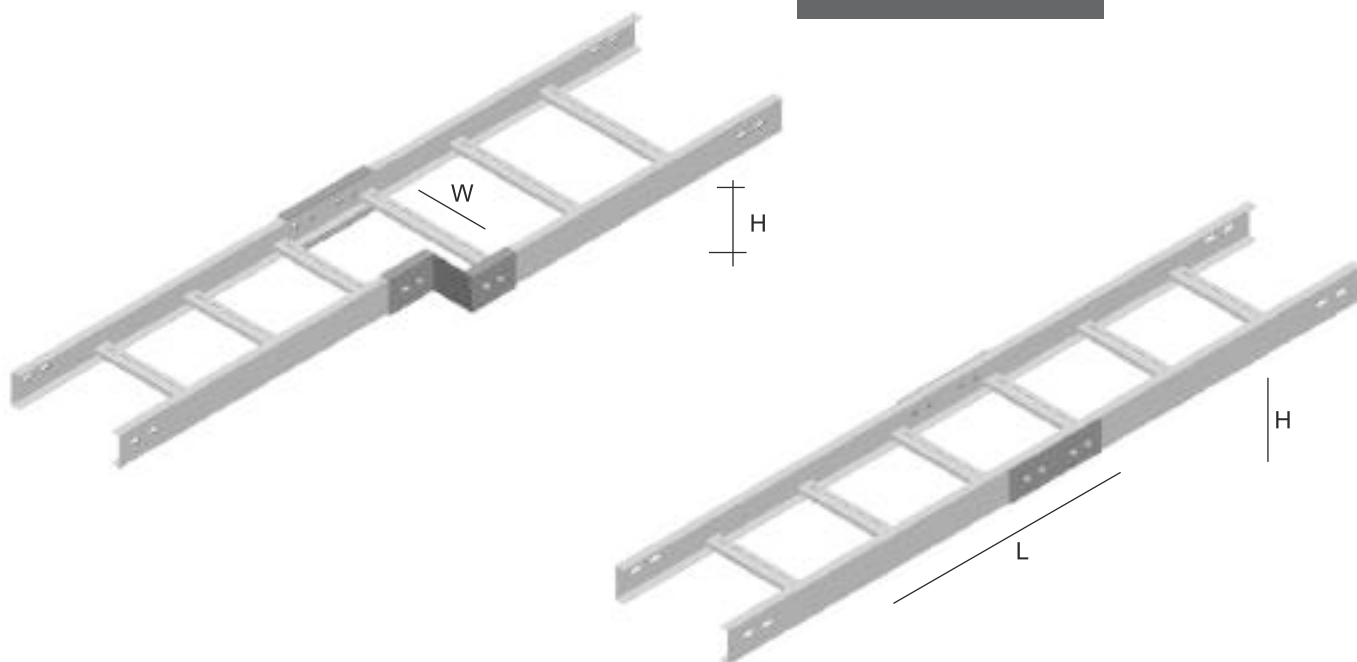
Part No. : PMPL 210

| H (mm) | L (mm) |
|-----------|-----------|
| 52/77/102 | 270 |

Vertical Adjustable Splice Plate

Part No. : PMPL 211

| H (mm) | L (mm) |
|-----------|-----------|
| 52/77/102 | 400 |



Reducer Plate

Part No. : PMPL 212

| H (mm) | W (mm) |
|-----------|-----------|
| 52/77/102 | 100 |
| 52/77/102 | 200 |
| 52/77/102 | 300 |

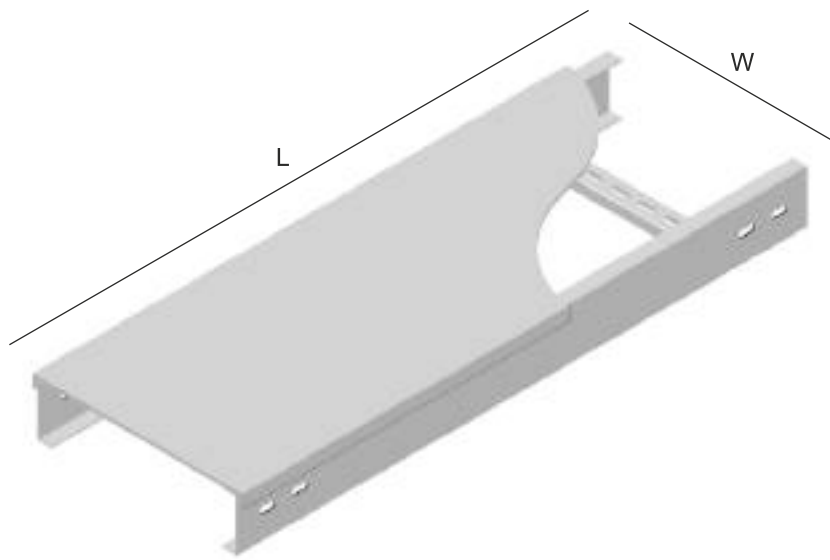
Coupler Splice Plate

Part No. : PMPL 213

| H (mm) | L (mm) |
|-----------|-----------|
| 20/45/80 | 200/210 |



Cover



Cover

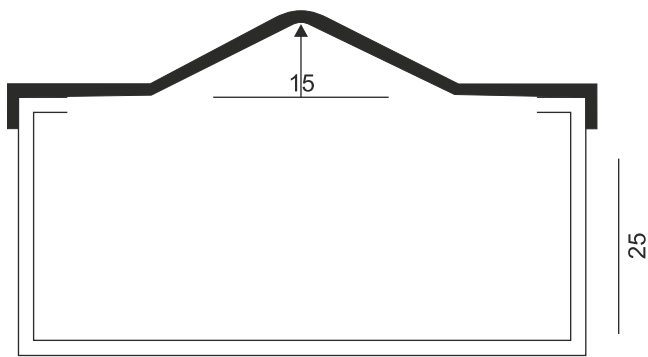
Part No. : PMPL 216

| W(mm) | Flat Type H(mm) | T(mm) |
|-------|--------------------|---------|
| 53 | 10 | 1.2/1.6 |
| 78 | 10 | 1.2/1.6 |
| 104 | 10 | 1.2/1.6 |
| 154 | 10 | 1.2/1.6 |
| 204 | 10 | 1.6/2 |
| 304 | 10 | 1.6/2 |
| 404 | 10 | 1.6/2 |
| 504 | 10 | 1.6/2 |
| 604 | 10 | 1.6/2 |

Flat & Dome Combined

Part No. : PMPL 217

| W(mm) | Flat Type H(mm) | T(mm) |
|-------|--------------------|---------|
| 53 | 15 | 1.2/1.6 |
| 78 | 15 | 1.2/1.6 |
| 104 | 15 | 1.2/1.6 |
| 154 | 15 | 1.2/1.6 |
| 204 | 15 | 1.6/2 |
| 304 | 15 | 1.6/2 |
| 404 | 15 | 1.6/2 |
| 504 | 15 | 1.6/2 |
| 604 | 15 | 1.6/2 |

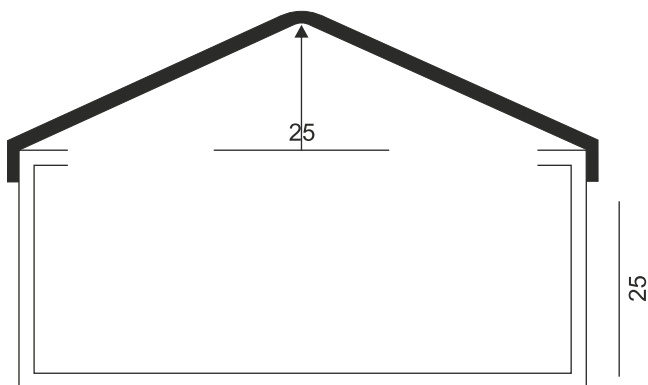


Flat & Dome Combined

Dome Type

Part No. : PMPL 218

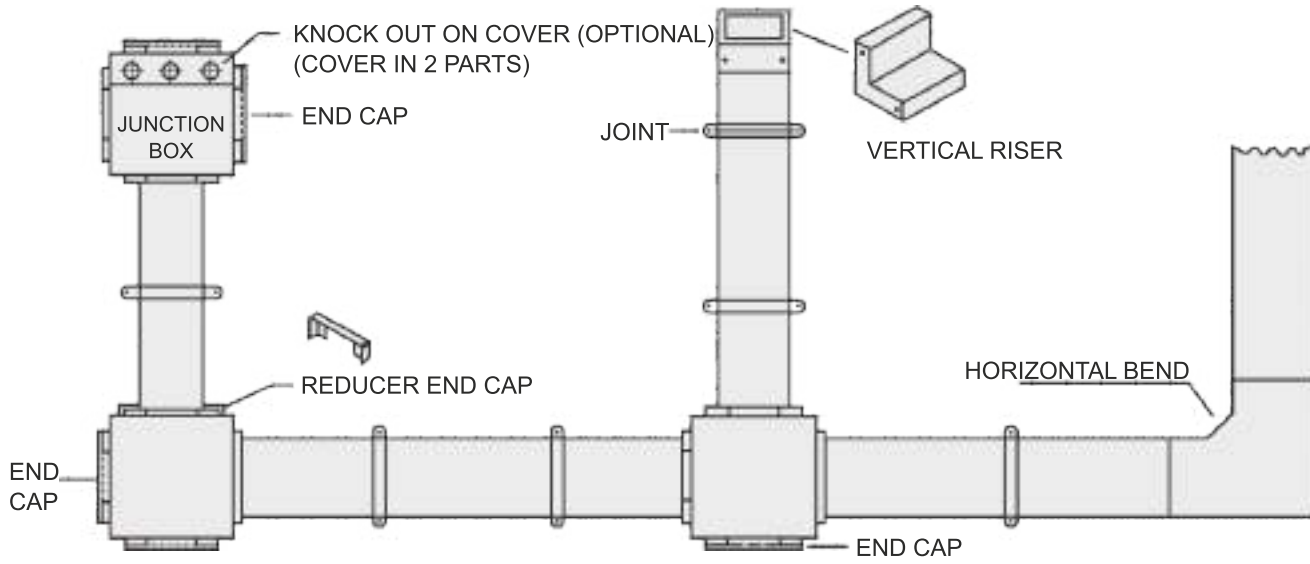
| W(mm) | Flat Type H(mm) | T(mm) |
|-------|--------------------|---------|
| 53 | 25 | 1.2/1.6 |
| 78 | 25 | 1.2/1.6 |
| 104 | 25 | 1.2/1.6 |
| 154 | 25 | 1.2/1.6 |
| 204 | 25 | 1.6/2 |
| 304 | 25 | 1.6/2 |
| 404 | 25 | 1.6/2 |
| 504 | 25 | 1.6/2 |
| 604 | 25 | 1.6/2 |



Dome Type

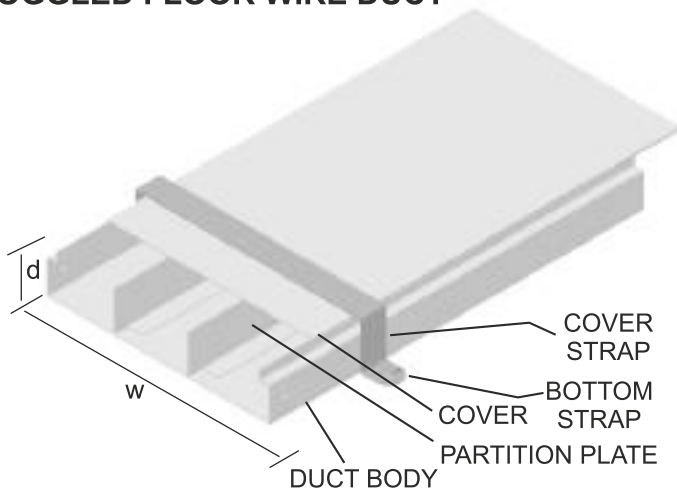


Wire Duct With Cover (Within Screed / Under Raised Floor)



JOGGLED FLOOR WIRE DUCT

EXPLODED VIEW



Part No. : PMPL 219

MATERIALS

- MILD STEEL - HR IS 1079
- MILD STEEL - CR IS 513
- PREGALVANISED IS 277
- ALUMINIUM IS 737
- STAINLESS STEEL (SS 304)

FINISH

- *POWDER COATED
- *POWDER COATED
- SELF FINISH
- SELF FINISH/*POWDER COATED
- SELF FINISH

Also Available Inward Flanges Type Ref Separate Drgs.

Std. Depth : 25, 35, 50 mm

Std. Length : Generally 2.5 mtrs.

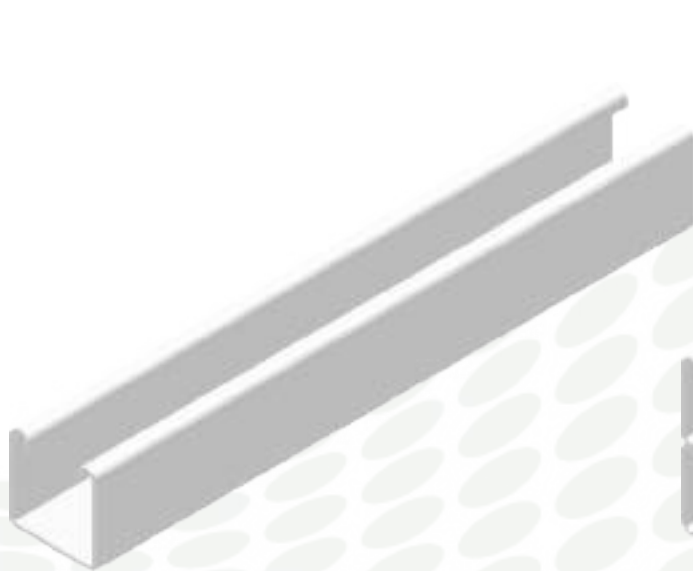
Other Std. Length As Per Mutual Agreement

*Clour : Siemens Grey, Black, Deep Orange, White

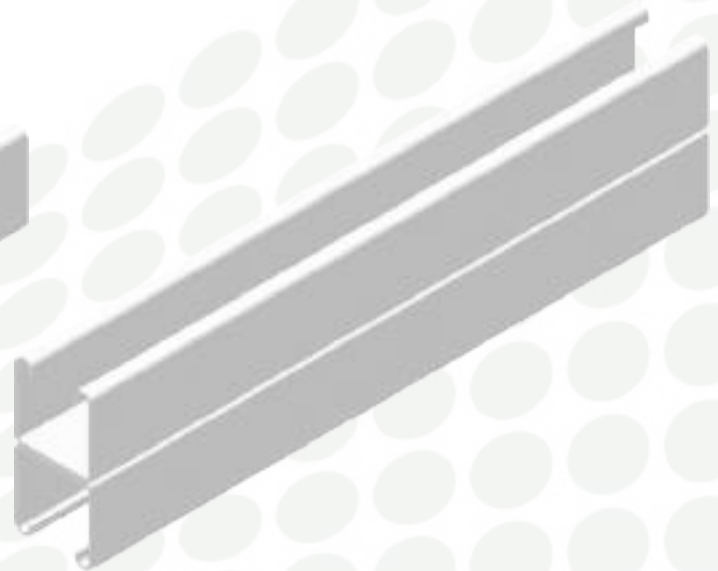
| W (mm) | H (mm) | T (mm) |
|--------|------------------|--------|
| 50 | 25/50/75/100/150 | 1.6/2 |
| 75 | 25/50/75/100/150 | 1.6/2 |
| 100 | 25/50/75/100/150 | 1.6/2 |
| 150 | 25/50/75/100/150 | 1.6/2 |
| 200 | 25/50/75/100/150 | 1.6/2 |
| 300 | 25/50/75/100/150 | 1.6/2 |
| 400 | 25/50/75/100/150 | 1.6/2 |
| 500 | 25/50/75/100/150 | 1.6/2 |
| 600 | 25/50/75/100/150 | 1.6/2 |



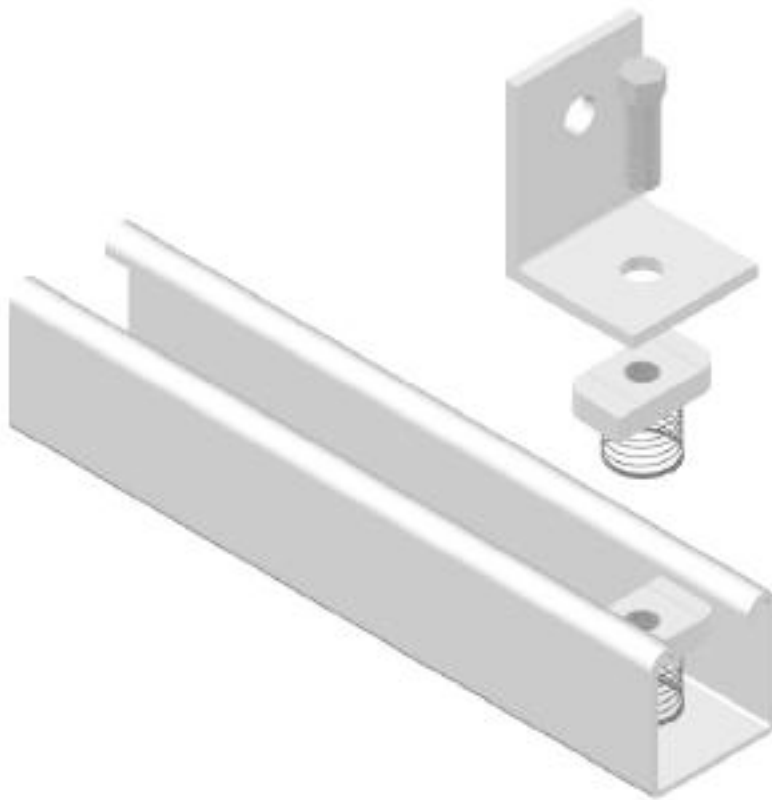
STANDARD CABLE TRAY SUPPORTING SYSTEM



C1 Chanal

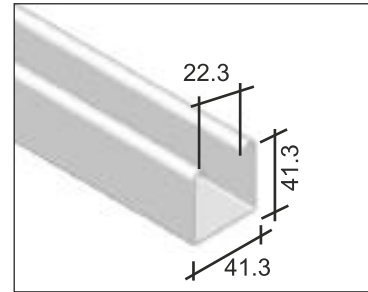


C2 Chanal



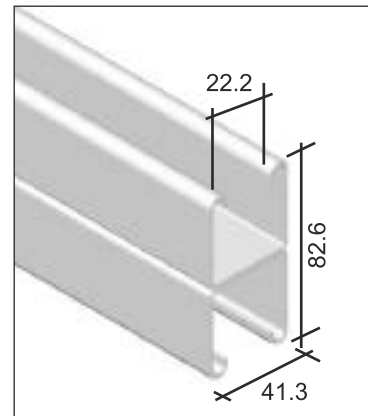
Deep/Strut Channel (C1)

Part No. : PMPL 218



Back to Back/Strut Channel (C2)

Part No. : PMPL 219



STANDARD SPECIFICATIONS

Our Channel sections are available in 3 metre or 6 metre lengths as standard. Channels are manufactured from mild steel hot-dipped galvanized or other finishes. channels are produced from steel strip with a nominal thickness of 2.5mm. The weight of the channel is 3 kg/m.

1. Framing Members

channels are accurately and carefully cold formed to size from low carbon strip steel. The channel has a continuous slot with inturned clamping ridges.

2. Fittings

The fittings, unless noted otherwise, are punch press formed from low carbon steel plates or strip.

3. Spring Nuts

Produced from steel bars and after manufacturing, are case-hardened. Two serrated grooves in the top of the nut engage the inturned edges of the channel

4. Masses and Dimensions

Masses given for all material are approximate shipping weight. All Dimensions subject to commercial tolerance variations.

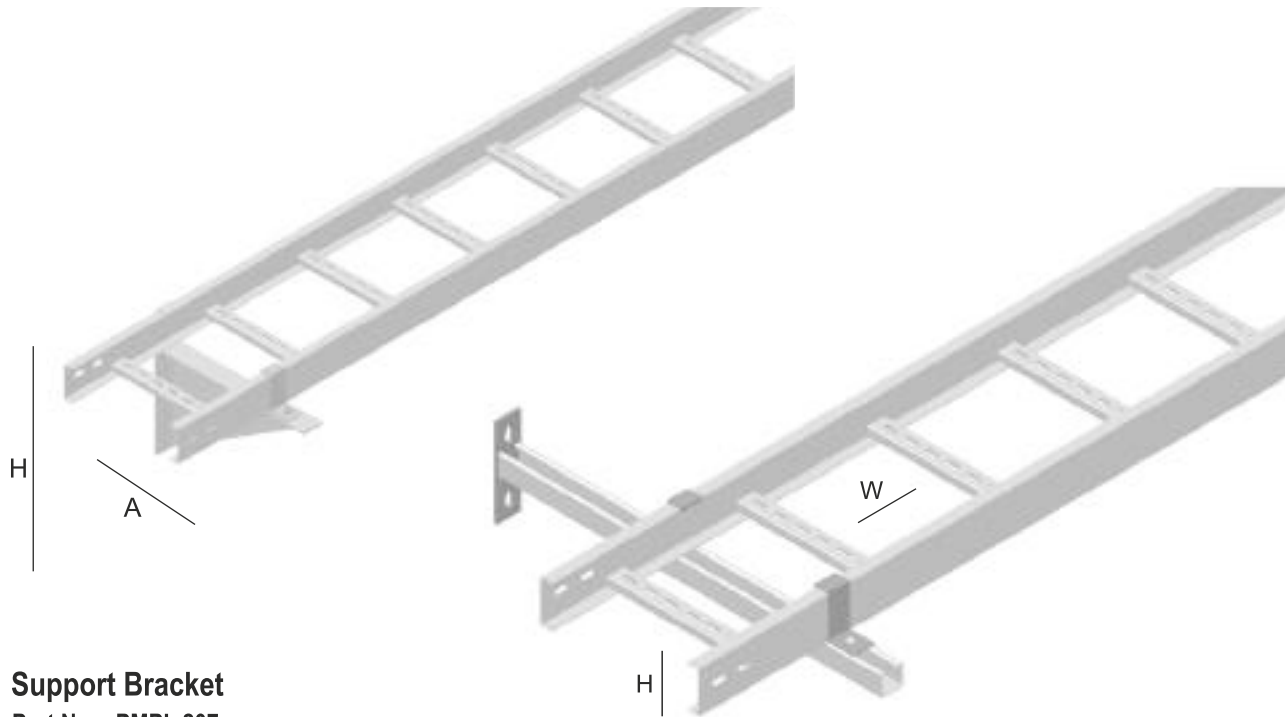
5. Finishes

Plain channel - has oiled surface straight off rolling mill.

Fittings - commercial bar stock material.

Hot-dipped galvanised - coatings are applied in accordance to BS 729 / IS - 2629.

Special coating - other commercially available finishes can be supplied on request.



Support Bracket

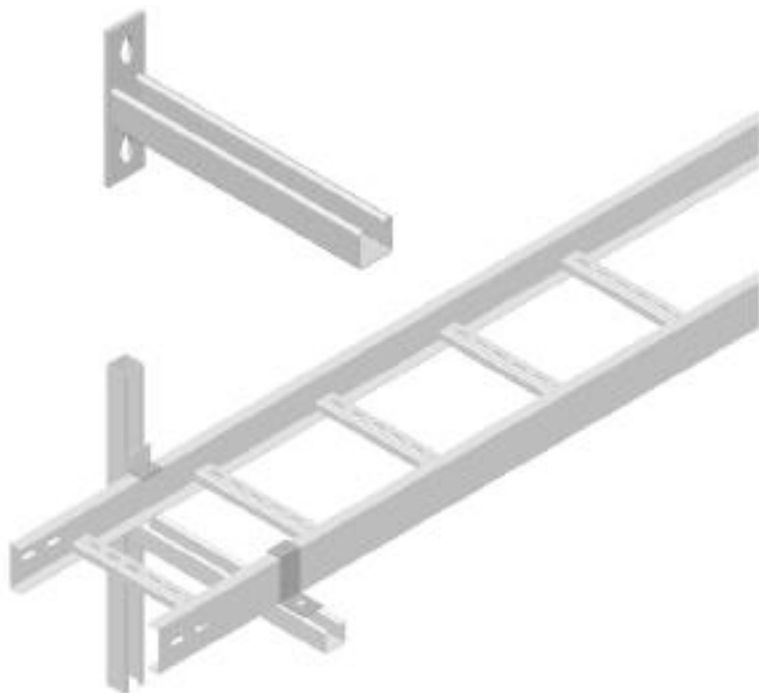
Part No. : PMPL 207

| Width of Applicable Tray (mm) | Thickness (mm) | A (mm) | H (mm) |
|-------------------------------|----------------|--------|--------|
| 200 | 2.3 | 300 | 125 |
| 300 | 2.3 | 400 | 125 |
| 400 | 3.0 | 500 | 150 |
| 600 | 3.0 | 700 | 150 |
| 700 | 3.0 | 800 | 150 |

Hold Down Clamp

Part No. : PMPL 208

| H (mm) | W (mm) |
|--------------|--------|
| 27/52/77/102 | 45 |



Cantilever Bracket

Part No. : PMPL 209

| L (mm) | Width of Applicable Ladder (mm) |
|--------|---------------------------------|
| 300 | 150 |
| 350 | 200 |
| 450 | 300 |
| 600 | 400 |
| 750 | 600 |
| 900 | 750 |
| 1050 | 900 |

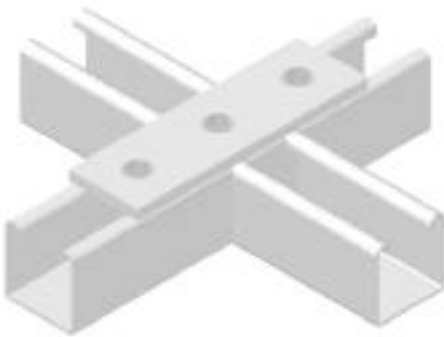
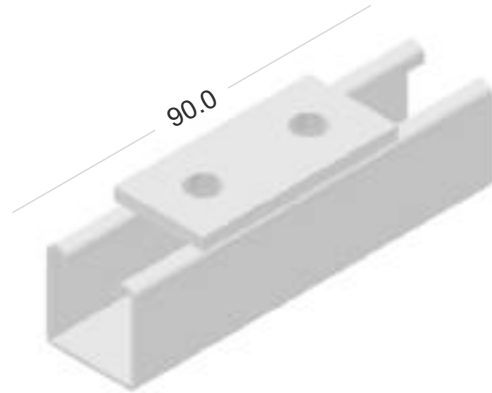


Square washer

Part No. : PMPL 406

Two hole plate

Part No. : PMPL 407

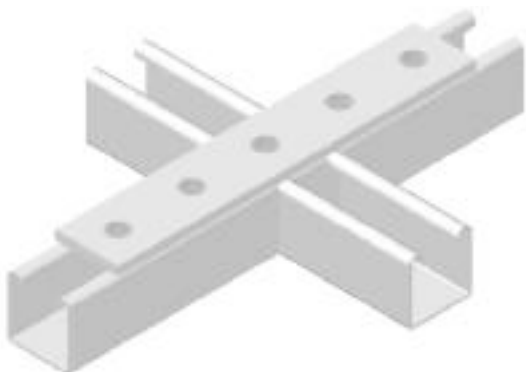


Three hole plate

Part No. : PMPL 408

Four hole plate

Part No. : PMPL 409



Five hole plate

Part No. : PMPL 410



Three hole plate.

Part No. : PMPL 411

Fishplate-joiner

Part No. : PMPL 412



T bracket

Part No. : PMPL 413

L bracket

Part No. : PMPL 414



Right angle bracket.

Part No. : PMPL 415

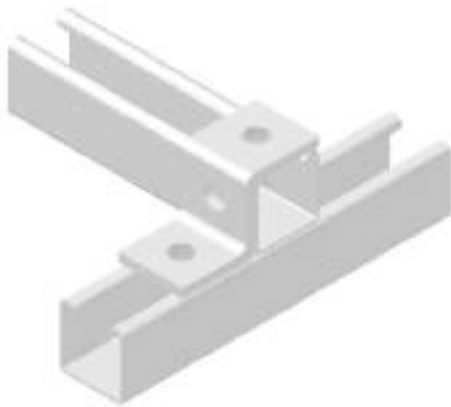
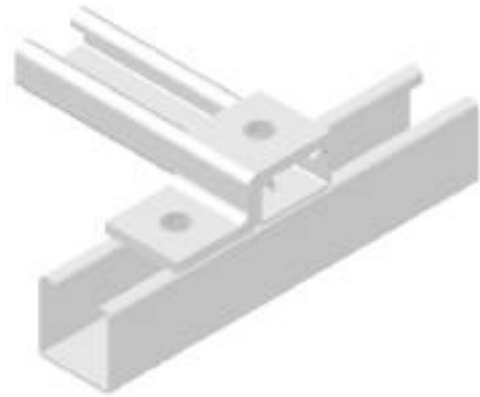


Right angle bracket...

Part No. : PMPL 416

'Z' shaped shallow bracket

Part No. : PMPL 417

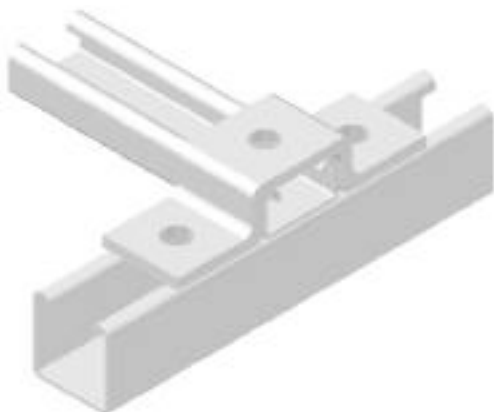


'Z' shaped deep bracket

Part No. : PMPL 418

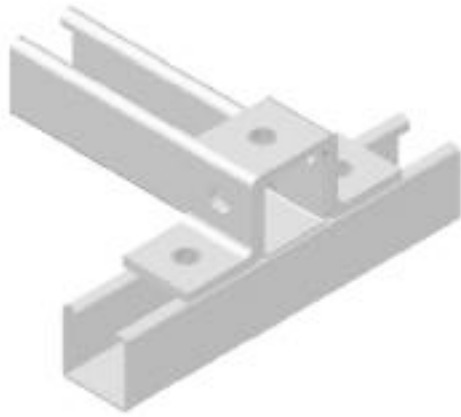
'Z' shaped bracket

Part No. : PMPL 419



'U' shaped shallow bracket

Part No. : PMPL 420

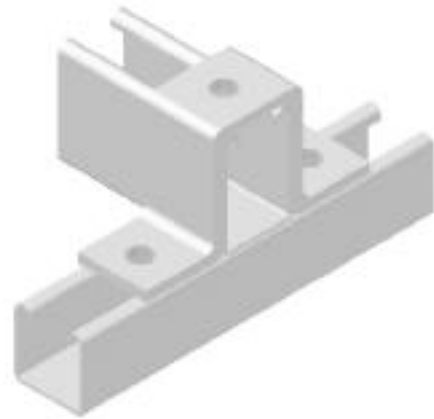


'U' Shaped deep bracket

Part No. : PMPL 421

'U' Shaped bracket

Part No. : PMPL 422



Right angle bracket

Part No. : PMPL 423

Right angle bracket.

Part No. : PMPL 424



Right angle bracket..

Part No. : PMPL 425

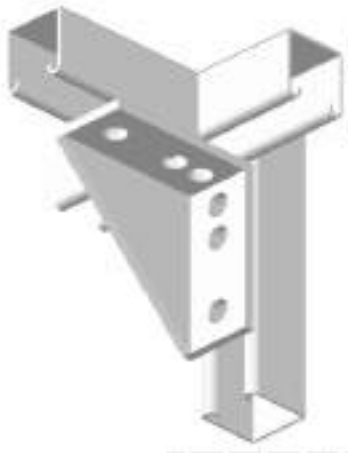


Right angle bracket...

Part No. : PMPL 426

Right angle bracket.

Part No. : PMPL 427



Right angle self brckt.

Part No. : PMPL 428

Channel support bracket

Part No. : PMPL 429



Off set bent Tee left

Part No. : PMPL 430



Channel support bracket

Part No. : PMPL 431

Three way corner bracket

Part No. : PMPL 432



Two leg wing fitting

Part No. : PMPL 433

Three leg wing fitting

Part No. : PMPL 434



Light Deep external connector

Part No. : PMPL 435



Deep external connector

Part No. : PMPL 436

Back to back bracket

Part No. : PMPL 437

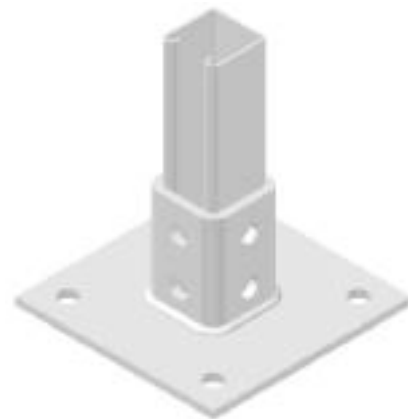


Base Plate (single channel)

Part No. : PMPL 438

Heavy base plate (single channel)

Part No. : PMPL 439



Base plate (double channel)

Part No. : PMPL 440



End caps..

Part No. : PMPL 442

Cantilever single channel

Part No. : PMPL 446



Cantilever arm prop

Part No. : PMPL 447

Cantilever double channel

Part No. : PMPL 448



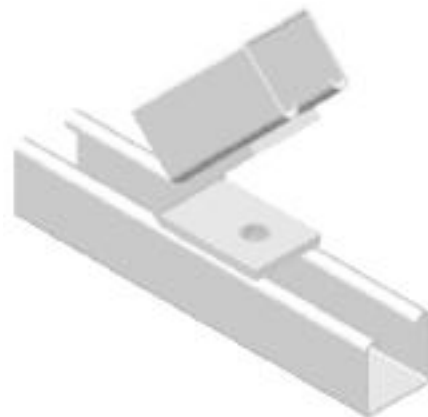


Cantilever arm support

Part No. : PMPL 451

Obtuse angle bracket

Part No. : PMPL 452



Acute angle bracket

Part No. : PMPL 453

Acute double angle

Part No. : PMPL 454



Beam clamp

Part No. : PMPL 455



Double clamp beam
Part No. : PMPL 457

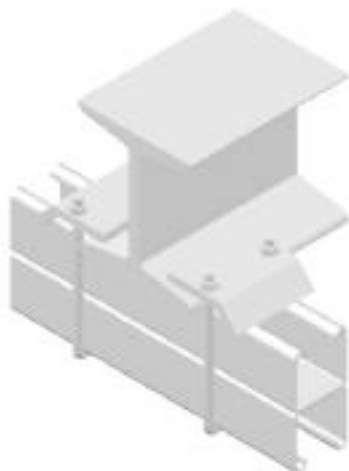


Beam clam.
Part No. : PMPL 456

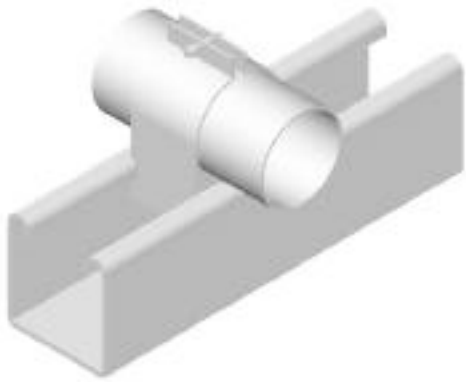


Beam clamp (shallow channel)
Part No. : PMPL 458

Beam clamp (deep channel)
Part No. : PMPL 459



**Beam clamp
(back to back deep channel)**
Part No. : PMPL 460



Leprack pipe clamp

Part No. : PMPL 461

Beam clamp (light duty)

Part No. : PMPL 462



Channel clamp

Part No. : PMPL 463

Supporting system

Part No. : PMPL 464



Adjustable pipe clamp

Part No. : PMPL 465



Deep slotted channel

Part No. : PMPL 466

3 pear hanger

Part No. : PMPL 467



slotted angle

Part No. : PMPL 468

ELP Link plate

Part No. : PMPL 469



Saddle clamp light duty

Part No. : PMPL 470

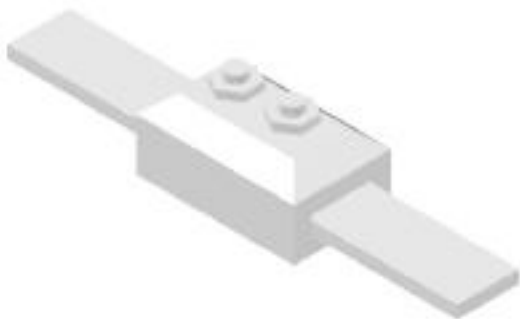


← **Channel nut long spring**

Part No. : PMPL 471

Pipe clamp

Part No. : PMPL 473



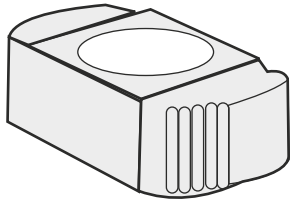
← **Oblong**

Part No. : PMPL 474

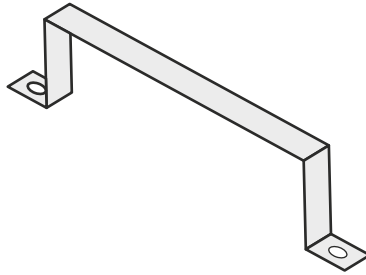
'U' bolt

Part No. : PMPL 475





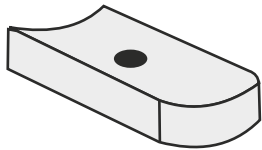
**Case Hardened Nut -
Type A**



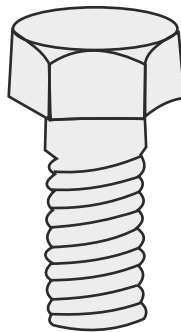
Cover Clamp



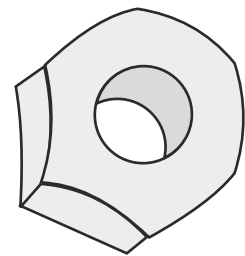
Blind End



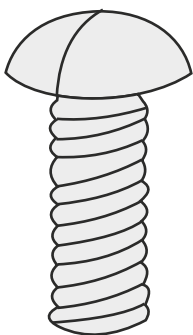
Mild Steel Flat Nut



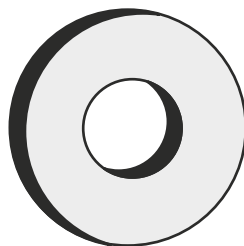
Hex. Head Set Bolt



Hex. Nut



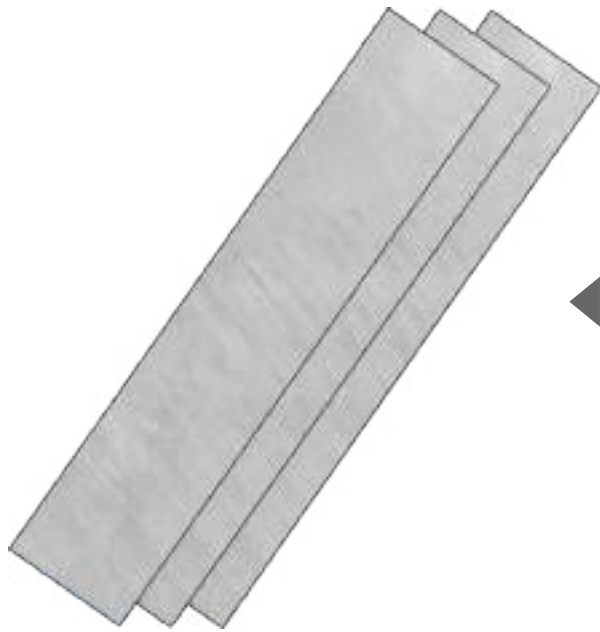
**Round Slotted Head
Machine Screw**



Round Flat Washer



Round Spring Washer



Earthing Flat

Part No. : PMPL 501



Earthing Pipe

Part No. : PMPL 502



Earthing Round Bar

Part No. : PMPL 503





EXPANDED METAL :

TERMINOLOGY

STYLE DESIGNATION

A combination of numbers, letters, and abbreviations permitting proper specifications of dimension, gauge, style, and weight. In expanded metal products, the first number designates nominal dimension, short way of design. The second number completes the designation and may specify the gauge of metal, weight per 100 square feet, or may have some other significance. Grating products are designated by weight of finished product per square foot.



STANDARD EXPANDED METAL

Standard expanded metal as it comes from the press. The strands and bonds are set at a uniform angle to the plane on the sheet. This gives added strength and rigidity, as well as skid-resistant surface. Standard expanded metal is abbreviated XM.

FLATTENED METAL

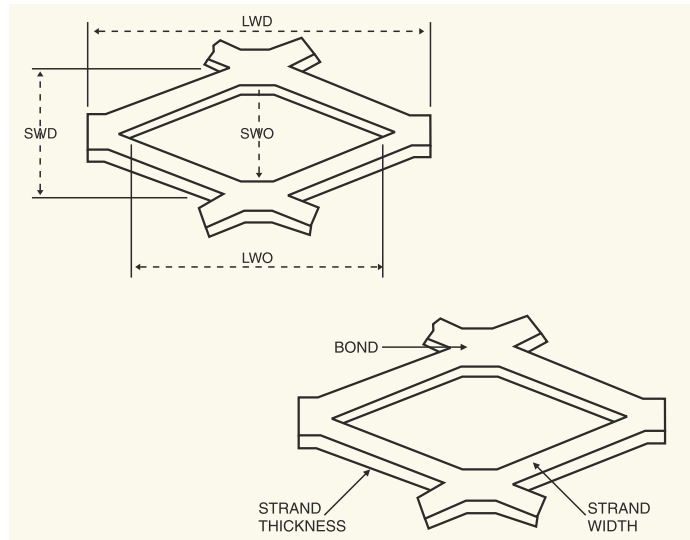
Flattened expanded metal is manufactured by passing the standard expanded sheet through a cold roll reducing mill. Flattened expanded metal turns the strands and bonds down to provide a flattened surface, reducing the thickness (gauge) and elongating the pattern. Thickness may vary plus or minus 10% from published dimensions.

GRATING

Grating is a standard expanded metal pattern produced from heavier gauge low carbon steel plates. Strands and the openings of grating are considerably larger than other meshes. It is ideal for use wherever a strong, durable, lightweight surface is needed. Although used primarily for pedestrian traffic, grating can accommodate heavier loads if properly supported.

DESIGN SIZE

Actual dimensions SWD and LWD. Measured from a point to a corresponding point on the design shown.



SWD

Nominal dimension Short Way of Design

SWO

Short Way of Opening

LWD

Nominal dimension Long Way of Design

LWO

Long Way of Opening

STRANDS

The sides of the expanded metal design.

STRAND THICKNESS

Gauge thickness of metal expanded.

STRAND WIDTH

Amount of metal fed under dies to produce one strand.

BOND

The solid intersection of two strands.

SIDE SHEARING

The process of cutting a piece of expanded metal parallel to the long dimension of the diamond.

RANDOM SIDE SHEARING

Side shearing is a cut made parallel to the LWD dimension of the sheet which usually leaves open diamonds.

BOND SIDE SHEARING

This cut is made along the length of the sheet on the center line of the bond over the specified width. In most cases it is not practical to attempt to Bond Side Shear either regular or flattened expanded metal because of the camber.



END SHEARING

END RANDOM SHEARING

The process of shearing a piece of expanded metal to a specified length (LWD). This cut normally leaves open diamonds at both ends but accomplishes close tolerance when both ends are sheared.

END BOND SHEARING

The process of shearing a piece of expanded metal to a specified length (LWD). One end is cut on the Bond parallel to the SWD—the other end usually has open diamonds.

ORDERING PROCEDURE

When ordering Expanded Metals, give complete style specifications to avoid possible error. Include style, standard or flattened, type of metal, and sheet dimensions. SWD dimensions always given before LWD.

Drawings are exaggerated for illustrative purpose.



Floor Steel Gratings

TYPE OF GRATING :

1. PLANE GRATING
2. SERRATED GRATING

Grating Applications

1. Industrial floorings - Maintenance Walkways
2. Drain covers - Drainage
3. Compound walls
4. Light traffic access ramps and disable access ramps
5. Vertical cladding in architectural application
6. Stairways and Catwalks
7. Marine industries
8. Tower packing support
9. Power plant
10. Stair treads

Advantages of Grating

1. Corrosion resistant
2. Fire retardant
3. High impact strength
4. Easy to install
5. Light weight
6. Safe
7. In serration notches made on tip of the load bearing bar improve skid resistance



PLANE GRATING



SERRATED GRATING

Required specification while ordering grating

1. Material
2. Size of Bearing Bar
3. Type of Grating
4. Span
5. Dimension
6. Type of Noising At Stairs
7. State whether grating is to be fixed welded or type of fastening device required
8. Finish (red oxide, painted, galvanized)
9. Dispatch instruction

NOMENCLATURE OF GRATINGS

+

PRODUCT SPECIFICATIONS

BEARING BAR OR LOAD BEARING BAR (BB) :

These bars support the load put on the grating and they are made from low carbon steel grade IS2062.

MESH :

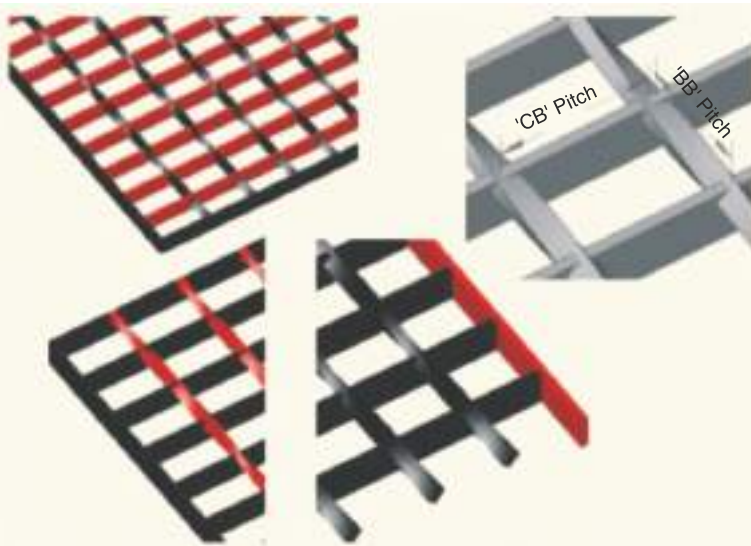
It is the center distance between two adjacent bearing bars and cross bars.

CROSS BAR (CB) :

They are positioned transversely across bearing bars and are welded into them at their interaction point to provide lateral restraint. In steel Gratings, these are made of square twisted wire road from low carbon grade steel of SAE1008.

EDGE BINDING OR FRAME BAR (FB) :

Bar fixed to the edge of the gratings and flush with the top of bearing bar.



SPAN (S) :

Total length between the supports, i.e. the extreme ends of the bearing bars. It is measured parallel to the bearing bar. (Length of the load bearing bar)

WIDTH (W) :

It is the overall width of the panel measuring 90° to the load bearing bar.

CUT OUTS :

The area of the gratings removed to allow structure, pipe, plant, obstruction or handrail to be fitted in.

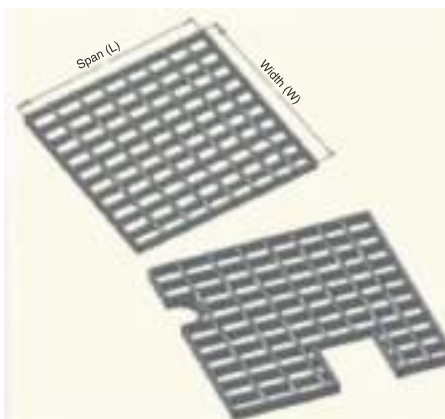
PRODUCT SPECIFICATIONS (ALL UNITS IN MM)

Bearing bar sizes (Plain or Serrated) : 25 x 3, 25 x 5, 30 x 3, 30 x 5, 32 x 5, 40 x 5, 50 x 5, 60 x 5 and 70 x 5

Cross Bar sizes : 6 & 8 Square Twisted

Mesh sizes : Bearing Bar Pitches 30/33/35/40/41

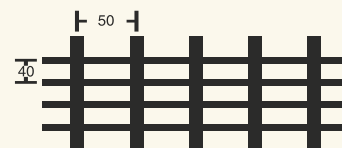
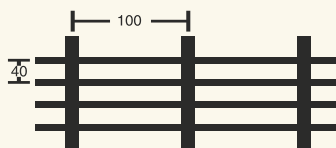
Panel Sizes : 5000, 5700, 6000, 6100



RECTANGULAR PATTERN

Most commonly used grating having bearing bar spaced at C\C 40mm and cross bar spaced at C\C 100mm

Having bearing bar spaced at C\C 40mm and cross bar spaced at C\C 50mm





| Metric Load table for Electroforge Grating | | | | | | | | | | | | | | | | |
|---|---|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 41mm center to center. Types EFB100 & EFB50 | | | | | | | | | | | | | | | | |
| Bearing Bar Size (in mm) | | Span | | | | | | | | | | | | | | |
| | | 300 | 450 | 600 | 750 | 900 | 1050 | 1200 | 1350 | 1500 | 1650 | 1800 | 1950 | 2100 | 2250 | 2400 |
| 25 x 3 | U | 11000 | 4880 | 2740 | 1760 | 1230 | 900 | 680 | | | | | | | | |
| | D | 0.6 | 1.4 | 2.6 | 3.9 | 5.9 | 7.9 | 10.0 | | | | | | | | |
| | C | 1660 | 1100 | 820 | 660 | 550 | 470 | 410 | | | | | | | | |
| | D | 0.5 | 1.1 | 2.0 | 3.1 | 4.3 | 6.1 | 8.0 | | | | | | | | |
| 25 x 5 | U | 18300 | 8100 | 4560 | 2920 | 2020 | 1490 | 1150 | 850 | | | | | | | |
| | D | 0.6 | 1.4 | 2.5 | 3.9 | 5.6 | 7.5 | 10.0 | 12.7 | | | | | | | |
| | C | 2740 | 1820 | 1370 | 1100 | 910 | 780 | 690 | 570 | | | | | | | |
| | D | 0.5 | 1.1 | 2.0 | 3.1 | 4.3 | 6.1 | 8.0 | 10.5 | | | | | | | |
| 30 x 3 | U | 15800 | 7100 | 3950 | 2520 | 1750 | 1290 | 990 | 780 | 680 | 600 | | | | | |
| | D | 0.5 | 1.1 | 2.1 | 3.2 | 4.3 | 5.4 | 6.5 | 7.2 | 8.3 | 12.9 | | | | | |
| | C | 2370 | 1580 | 1180 | 950 | 790 | 670 | 590 | 520 | 410 | 400 | | | | | |
| | D | 0.4 | 0.9 | 1.6 | 2.6 | 3.7 | 5.0 | 6.6 | 8.3 | 9.4 | 10.3 | | | | | |
| 30 x 5 | U | 22800 | 11700 | 6580 | 4210 | 2920 | 2150 | 1610 | 1300 | 1050 | 860 | | | | | |
| | D | 0.5 | 1.1 | 2.1 | 3.2 | 4.3 | 5.4 | 6.5 | 7.2 | 10.8 | 12.9 | | | | | |
| | C | 3950 | 2630 | 1970 | 1580 | 1310 | 1130 | 980 | 870 | 780 | 710 | | | | | |
| | D | 0.4 | 0.9 | 1.6 | 2.6 | 3.7 | 5.0 | 6.6 | 8.3 | 9.4 | 13.5 | | | | | |
| 35 x 3 | U | 21500 | 9570 | 5320 | 3440 | 2390 | 1760 | 1340 | 1060 | 860 | 710 | | | | | |
| | D | 0.4 | 1.0 | 1.8 | 2.8 | 3.9 | 5.2 | 7.1 | 9.0 | 11.1 | 13.5 | | | | | |
| | C | 3220 | 2150 | 1610 | 1290 | 1070 | 920 | 800 | 710 | 640 | 580 | | | | | |
| | D | 0.3 | 0.8 | 1.4 | 2.3 | 3.2 | 4.3 | 5.7 | 7.2 | 8.6 | 10.8 | | | | | |
| 35 x 5 | U | 35800 | 1590 | 8900 | 5700 | 3980 | 2920 | 2240 | 1770 | 1430 | 1180 | 990 | 840 | | | |
| | D | 0.4 | 1.0 | 1.8 | 2.8 | 3.9 | 5.2 | 7.1 | 9.0 | 11.1 | 13.5 | 16.6 | 19.6 | | | |
| | C | 5380 | 3580 | 2680 | 2150 | 1790 | 1530 | 1340 | 1190 | 1070 | 980 | 890 | 820 | | | |
| | D | 0.3 | 0.8 | 1.4 | 2.3 | 3.2 | 4.3 | 5.7 | 7.2 | 8.6 | 10.8 | 13.1 | 15.7 | | | |
| 40 x 3 | U | 28100 | 12500 | 7100 | 4490 | 3100 | 2280 | 1740 | 1380 | 1120 | 920 | 770 | 660 | | | |
| | D | 0.3 | 0.8 | 1.5 | 2.4 | 3.5 | 4.8 | 6.2 | 7.9 | 9.7 | 11.8 | 13.8 | 16.4 | | | |
| | C | 4200 | 2800 | 2110 | 1690 | 1400 | 1200 | 1050 | 930 | 840 | 760 | 700 | 640 | | | |
| | D | 0.3 | 0.7 | 1.2 | 2.1 | 2.8 | 3.9 | 4.9 | 6.3 | 7.7 | 9.4 | 11.2 | 13.0 | | | |
| 40 x 5 | U | 47200 | 20800 | 11700 | 7500 | 5200 | 3820 | 2920 | 2310 | 1860 | 1650 | 1230 | 1100 | 950 | 830 | |
| | D | 0.3 | 0.8 | 1.5 | 2.4 | 3.5 | 4.8 | 6.2 | 7.9 | 9.7 | 11.8 | 13.8 | 16.4 | 19.5 | 20.6 | |
| | C | 7000 | 4680 | 3510 | 2800 | 2330 | 2010 | 1750 | 1560 | 1400 | 1270 | 1170 | 1080 | 1000 | 930 | |
| | D | 0.3 | 0.7 | 1.2 | 2.1 | 2.8 | 3.9 | 4.9 | 6.3 | 7.7 | 9.4 | 11.2 | 13.0 | 15.1 | 17.3 | |
| 50 x 3 | U | 59200 | 26300 | 14800 | 9500 | 6500 | 4830 | 3700 | 2920 | 2360 | 1950 | 1640 | 1400 | 1210 | 1050 | 960 |
| | D | 0.3 | 0.8 | 1.3 | 2.2 | 3.1 | 4.2 | 5.6 | 7.0 | 8.6 | 10.5 | 12.4 | 14.6 | 16.9 | 19.9 | 22.1 |
| | C | 8900 | 5900 | 4490 | 3550 | 2960 | 2530 | 2220 | 1970 | 1760 | 1610 | 1480 | 1370 | 1270 | 1180 | 1110 |
| | D | 0.2 | 0.6 | 1.0 | 1.7 | 2.5 | 3.4 | 4.4 | 5.6 | 6.9 | 8.3 | 9.9 | 11.7 | 13.5 | 15.5 | 17.7 |
| 50 x 5 | U | 73100 | 32500 | 18300 | 11700 | 8100 | 5900 | 4570 | 3610 | 2920 | 2410 | 2030 | 1730 | 1490 | 1300 | 1140 |
| | D | 0.3 | 0.7 | 1.2 | 2.0 | 2.8 | 3.8 | 5.0 | 6.3 | 7.8 | 9.4 | 11.2 | 13.2 | 15.2 | 17.5 | 19.9 |
| | C | 10900 | 7500 | 5500 | 4380 | 3660 | 3130 | 2740 | 2430 | 2190 | 1990 | 1830 | 1690 | 1560 | 1460 | 1307 |
| | D | 0.2 | 0.6 | 1.0 | 1.5 | 2.2 | 3.1 | 4.0 | 5.0 | 6.2 | 7.5 | 9.0 | 10.5 | 12.1 | 14.0 | 15.9 |

Unit Stress - 1650 Kg./Sq. m.
 U : Uniformly distributed load in Kg./Sq. m.
 C : Concentrated load in Kg./m. width at mid-span
 D : Detection in millimeters

Span to left of heavy line produce a detection of 6mm or less under a uniform load of 500 kg./Sq. m. This detection is recommended as per BS 4592-1970

| Imperial Load table for Electroforge Grating | | | | | | | | | | | | | | | | |
|--|----------|----------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 30mm center to center. Types EFC100 & EFC50 | | | | | | | | | | | | | | | | |
| Bar Size | Ped Span | Sec. Mod. Per Ft. of Width | Clear Span | | | | | | | | | | | | | |
| | | | 2'-0" | 2'-6" | 3'-0" | 3'-6" | 4'-0" | 4'-6" | 5'-0" | 5'-6" | 6'-0" | 6'-6" | 7'-0" | 8'-0" | 9'-0" | |
| 1" x 1/8" | 51" | 0.211 | U | 632 | 404 | 281 | 206 | 158 | 125 | 101 | 84 | 70 | | | | |
| | | | D | 0.074 | 0.116 | 0.168 | 0.228 | 0.298 | 0.377 | 0.466 | 0.563 | 0.670 | | | | |
| | | | C | 632 | 505 | 421 | 361 | 316 | 281 | 253 | 230 | 211 | | | | |
| | | | D | 0.060 | 0.093 | 0.134 | 0.182 | 0.238 | 0.302 | 0.372 | 0.451 | 0.536 | | | | |
| 1" x 3/16" | 57" | 0.316 | U | 947 | 606 | 421 | 309 | 237 | 187 | 152 | 125 | 105 | | | | |
| | | | D | 0.074 | 0.116 | 0.168 | 0.228 | 0.298 | 0.377 | 0.466 | 0.563 | 0.670 | | | | |
| | | | C | 947 | 758 | 632 | 541 | 474 | 421 | 379 | 344 | 316 | | | | |
| | | | D | 0.060 | 0.093 | 0.134 | 0.182 | 0.238 | 0.302 | 0.372 | 0.451 | 0.536 | | | | |
| 1-1/4" x 1/8" | 61" | 0.329 | U | 987 | 632 | 439 | 322 | 247 | 195 | 158 | 130 | 110 | 93 | 81 | | |
| | | | D | 0.060 | 0.093 | 0.134 | 0.182 | 0.238 | 0.302 | 0.372 | 0.451 | 0.536 | 0.629 | 0.730 | | |
| | | | C | 987 | 789 | 658 | 564 | 493 | 439 | 395 | 359 | 329 | 304 | 282 | | |
| | | | D | 0.048 | 0.074 | 0.107 | 0.146 | 0.191 | 0.241 | 0.298 | 0.360 | 0.429 | 0.504 | 0.584 | | |
| 1-1/4" x 3/16" | 67" | 0.493 | U | 1480 | 947 | 658 | 483 | 370 | 292 | 237 | 196 | 164 | 140 | 121 | | |
| | | | D | 0.060 | 0.093 | 0.134 | 0.182 | 0.238 | 0.302 | 0.372 | 0.451 | 0.536 | 0.629 | 0.730 | | |
| | | | C | 1480 | 1184 | 987 | 846 | 740 | 658 | 592 | 538 | 493 | 455 | 423 | | |
| | | | D | 0.048 | 0.074 | 0.107 | 0.146 | 0.191 | 0.241 | 0.298 | 0.360 | 0.429 | 0.504 | 0.584 | | |
| 1-1/2" x 1/8" | 70" | 0.474 | U | 1421 | 909 | 632 | 464 | 355 | 281 | 227 | 188 | 158 | 135 | 116 | 89 | 70 |
| | | | D | 0.050 | 0.078 | 0.112 | 0.152 | 0.199 | 0.251 | 0.310 | 0.376 | 0.447 | 0.524 | 0.608 | 0.794 | 1.006 |
| | | | C | 1421 | 1137 | 947 | 812 | 711 | 632 | 568 | 517 | 474 | 437 | 406 | 355 | 316 |
| | | | D | 0.040 | 0.062 | 0.089 | 0.122 | 0.159 | 0.201 | 0.248 | 0.300 | 0.358 | 0.420 | 0.487 | 0.636 | 0.804 |
| 1-1/2" x 3/16" | 77" | 0.711 | U | 2132 | 1364 | 947 | 696 | 533 | 421 | 341 | 282 | 237 | 202 | 174 | 133 | 105 |
| | | | D | 0.050 | 0.078 | 0.112 | 0.152 | 0.199 | 0.251 | 0.310 | 0.376 | 0.447 | 0.524 | 0.608 | 0.794 | 1.006 |
| | | | C | 2132 | 1705 | 1421 | 1218 | 1066 | 947 | 853 | 775 | 711 | 656 | 609 | 533 | 474 |
| | | | D | 0.040 | 0.062 | 0.089 | 0.122 | 0.159 | 0.201 | 0.248 | 0.300 | 0.358 | 0.420 | 0.487 | 0.636 | 0.804 |
| 1-3/4" x 3/16" | 87" | 0.967 | U | 2901 | 1857 | 1289 | 947 | 725 | 573 | 464 | 384 | 322 | 275 | 237 | 181 | 143 |
| | | | D | 0.043 | 0.067 | 0.096 | 0.130 | 0.170 | 0.215 | 0.266 | 0.322 | 0.383 | 0.450 | 0.521 | 0.681 | 0.862 |
| | | | C | 2901 | 2321 | 1934 | 1658 | 1451 | 1289 | 1161 | 1055 | 967 | 893 | 829 | 725 | 645 |
| | | | D | 0.034 | 0.053 | 0.077 | 0.104 | 0.136 | 0.172 | 0.213 | 0.257 | 0.306 | 0.360 | 0.417 | 0.545 | 0.689 |
| 2" x 3/16" | 96" | 1.263 | U | 3789 | 2425 | 1684 | 1237 | 947 | 749 | 606 | 501 | 421 | 359 | 309 | 237 | 187 |
| | | | D | 0.037 | 0.058 | 0.084 | 0.114 | 0.149 | 0.189 | 0.233 | 0.282 | 0.335 | 0.393 | 0.456 | 0.596 | 0.754 |
| | | | C | 3789 | 3032 | 2526 | 2165 | 1895 | 1684 | 1516 | 1378 | 1263 | 1166 | 1083 | 947 | 842 |
| | | | D | 0.030 | 0.047 | 0.067 | 0.091 | 0.119 | 0.151 | 0.186 | 0.225 | 0.268 | 0.315 | 0.365 | 0.477 | 0.603 |

U : safe uniform load, lb/sq. ft.
 C : Safe concentrated load, lb/sq. ft. of grating width, at mid-span
 D : Detection in inches, Date is theory and based on 18,000psi, Install with cross rods on top



Our Valuable Customers



| Chemical | Aluminum | Cathodic Electro-Deposition Process | PVC | Type-304 stainless | Type-316 stainless | Zinc Coated Steel |
|---------------------------------|----------|-------------------------------------|-----|--------------------|--------------------|-------------------|
| Acetic Acid 10% | R | NR | R | R | R | NR |
| Acetic Acid 2% | R | F | R | R | R | NR |
| Acetone | R | R | NR | R | R | R |
| Ammonium Hydroxide-Cone. | R | R | R | R | R | - |
| Ammonium Hydroxide 10% | F | R | R | R | R | - |
| Ammonium Hydroxide 2% | R | R | R | R | R | - |
| Benzene | R | R | NR | R | R | - |
| Bromine Water | NR | R | R | NR | NR | - |
| Butanol (Butyl Alcohol) | R | R | R | R | R | R |
| Carbon Disulfide | R | R | NR | R | R | - |
| Carbon Tetrachloride | F | R | F | R | R | - |
| Chlorine Water | R | R | R | NR | F | R |
| Cutting Oil | | - | R | - | - | -- |
| Diethanolamine | R | R | NR | - | - | NR |
| Ethanol | R | R | R | R | R | R |
| Ethyl Acetate | R | R | NR | - | - | R |
| Ethylene Dichloride | F | R | NR | - | - | R |
| Formaldehyde 20% | R | R | R | R | R | R |
| Gasoline | R | R | R | R | R | R |
| Glycerine | R | R | R | R | R | R |
| Household Detergent 10% | F | R | R | R | R | - |
| Hydrochloric Acid 40% | NR | NR | R | NR | NR | NR |
| Hydrochloric Acid 10% | NR | F | - | NR | NR | NR |
| Hydrochloric Acid 2% | NR | F | - | NR | NR | NR |
| Hydrogen Peroxide 30% | R | NR | R | R | R | - |
| Hydrogen Peroxide 3% | R | R | - | R | R | - |
| Hydrogen Sulfide (Gas) | R | R | R | F | R | - |
| JP-4 Jet Fuel | R | R | R | R | R | - |
| Lactic Acid 85% | F | R | R | NR | - | - |
| Latex | R | R | - | R | R | NR |
| Linseed Oil Fatty Acid | R | F | R | R | R | - |
| Methanol | R | R | R | R | R | R |
| Methyl Ethyl Ketone | R | R | NR | - | - | R |
| Methyl Isobutyl Ketone | R | R | NR | - | - | R |
| Mineral Spirits | R | R | - | - | - | - |
| Motor Oil-10W | R | R | R | R | R | R |
| Naphtha. VM&P | R | R | R | R | R | R |
| Nitric Acid 2% | F | NR | R | R | R | - |
| Perchloroethylene | R | R | - | - | - | NR |
| Petroleum Ether | - | R | - | R | R | R |
| Phenol 10% | R | R | NR | R | R | R |
| Phosphoric Acid 2% | F | NR | R | R | R | NR |
| Potassium Hydroxide 50% | NR | R | R | R | R | - |
| Potassium Hydroxide 10% | NR | R | R | R | R | - |
| Potassium Hydroxide 2% | NR | R | R | R | R | - |
| Sodium Chloride 25% | F | R | R | R | R | F |
| Sodium Hydroxide 50% | NR | R | R | R | R | NR |
| Sodium Hydroxide 10% | NR | R | R | R | R | F |
| Sodium Hydroxide 2% | NR | R | R | - | - | - |
| Sodium Hypochlorite-Cl. 10% | F | R | R | - | - | - |
| Sodium Hypochlorite-Cl. 6% | F | R | R | NR | R | - |
| Sulfuric Acid 2% | F | NR | R | NR | R | NR |
| Tall Oil Fatty Acid (Syfate 94) | R | R | R | - | - | - |
| Tannic Acid 50% | F | R | R | R | R | - |
| Water-Deionized | R | R | R | R | R | F |
| Water-Sea | F | F | R | R | R | F |
| Water-Tap | R | R | R | F | F | R |
| Xyol | R | R | NR | - | - | - |

| GALVANIC SERIES IN SEA WATER | |
|---|---|
| Anodic End | |
| ↑ More Anodic ↓ | Magnesium |
| | Magnesium Alloys |
| | Zinc |
| | Beryllium |
| | Aluminum - Zinc Alloys (7000 series) |
| | Aluminum - Magnesium Alloys (5000 series) |
| | Aluminum (1000 series) |
| | Aluminum - Magnesium Alloys (3000 series) |
| | Aluminum - Magnesium - Silicon Alloys (6000 series) |
| | Cadmium |
| | Aluminum - Copper Alloys (2000 series) |
| | Cast Iron, Wrought Iron, Mild Steel |
| | Austenitic Nickel Cast Iron |
| | Type 410 Stainless Steel (active) |
| | Type 316 Stainless Steel (active) |
| | Type 304 Stainless Steel (active) |
| | Naval Brass, Yellow Brass, Red Brass |
| | Tin |
| | Copper |
| | Lead-Tin Solders |
| | Admiralty Brass, Aluminum Brass |
| | Manganese Bronze |
| | Silicon Bronze |
| | Tin Bronze |
| | Type 410 Stainless Steel (passive) |
| | Nickel - Silver |
| | Copper Nickel Alloys |
| | Lead |
| Nickel - Aluminum Bronze | |
| Silver Solder | |
| Nickel 200 | |
| Silver | |
| Type 316 Stainless Steel (passive) | |
| Type 304 Stainless Steel (passive) | |
| Incoloy 825 | |
| Hastelloy B | |
| Titanium | |
| Hastelloy C | |
| Platinum | |
| Graphite | |
| Cathodic End | |
| R = Recommended F = May be used under some conditions NR = Not Recommended - Information not available | |



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