



Polaris Metal Industries

PRODUCT CATALOGUE

- > Cable Trunking Systems
- > Cable Tray Systems
- > Cable Ladder Systems
- > GI Steel Lintels
- > All Accessories

www.polarismetals.ae



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About Us

Welcome to Polaris Metal Industries, a leading provider of innovative and high quality cable management solutions. With years of experience in the industry, we specialize in the design, manufacture, and distribution of premium cable trays, trunkings, cable ladders, lintels that cater to a wide range of commercial, industrial, and residential applications.

Our Mission

Our mission is to deliver superior cable management solutions that enhance efficiency, safety, and aesthetics in electrical installations. We are committed to providing products that meet the highest standards of quality and reliability, ensuring our clients can depend on us for all their cable management needs.

Quality and Compliance

At PMI, quality is our top priority. Our cable trays are manufactured using high grade materials and state-of-the-art technology to ensure durability and performance. We adhere to stringent industry standards and regulations, ensuring our products are safe, reliable, and compliant with all relevant certifications.

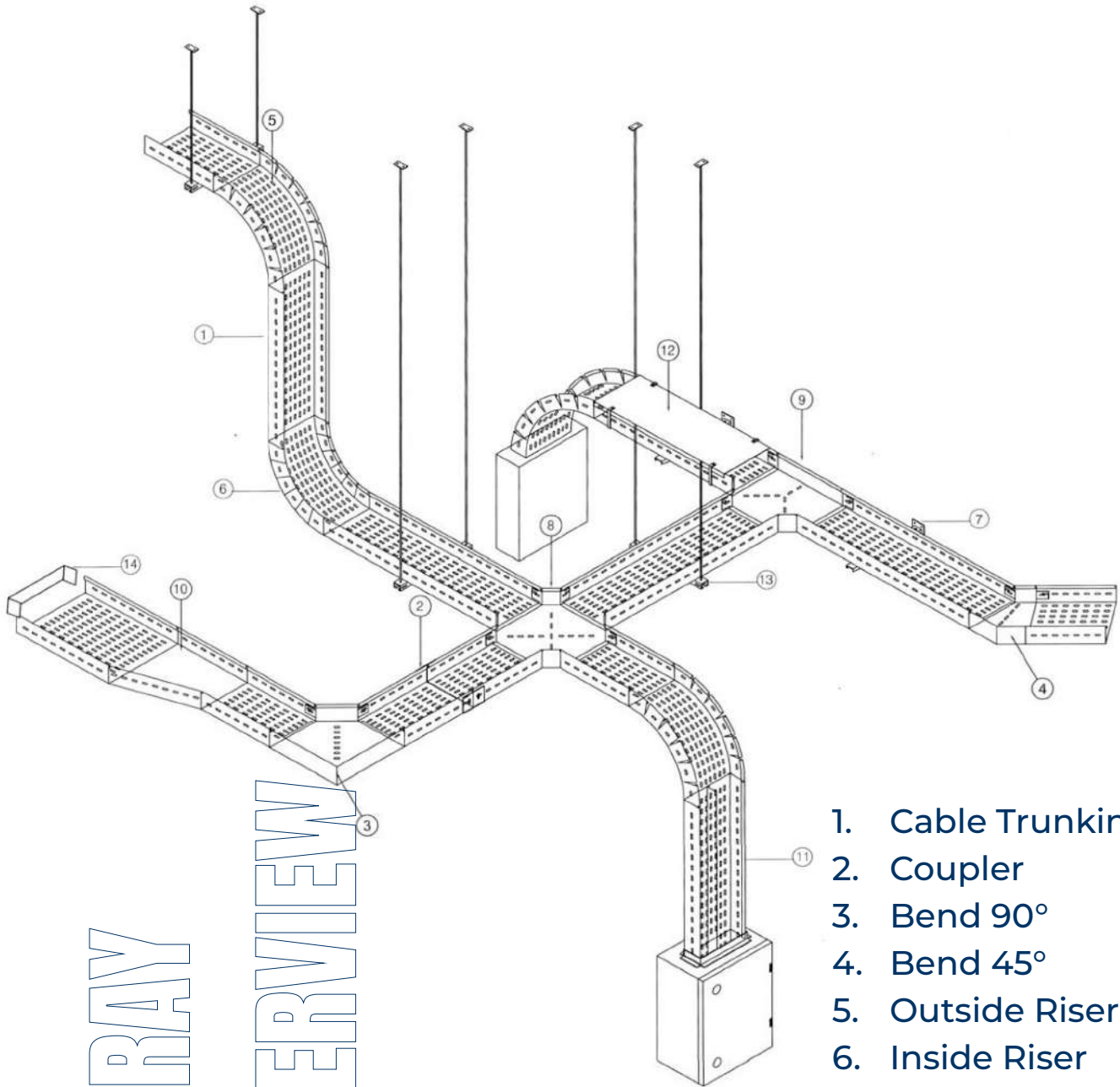
Custom Solutions

Understanding that every project is unique, we offer custom design and fabrication services to meet specific client requirements. Our team of experienced engineers works closely with clients to develop tailored solutions that address their precise needs, ensuring optimal performance and cost-efficiency.

Sustainability

We are dedicated to promoting sustainable practices within our operations and product offerings. Our manufacturing processes prioritize energy efficiency and waste reduction, and we continuously seek innovative ways to minimize our environmental footprint.

CABLE TRAY SYSTEM OVERVIEW



CABLE TRAY
SYSTEM OVERVIEW

1. Cable Trunking
2. Coupler
3. Bend 90°
4. Bend 45°
5. Outside Riser
6. Inside Riser
7. Cantilever Arm
8. Cross
9. Equale
10. Reducer
11. Seperator
12. Cover
13. C-Channel
14. End Cap

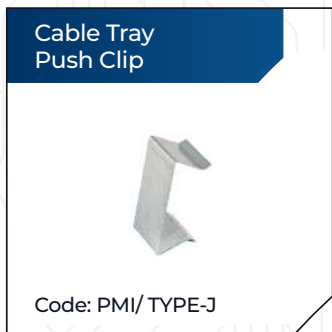
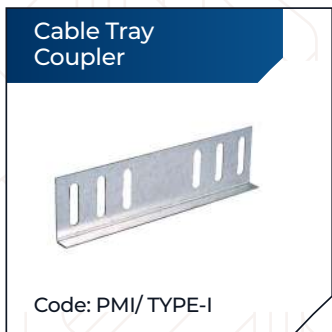
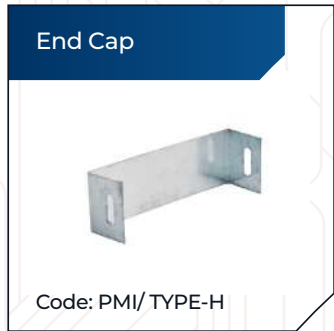
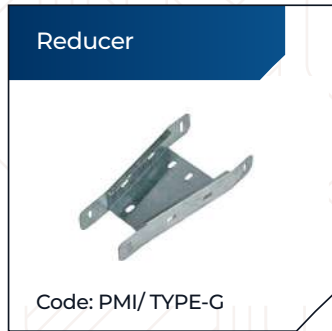
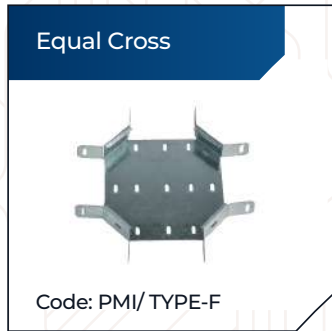
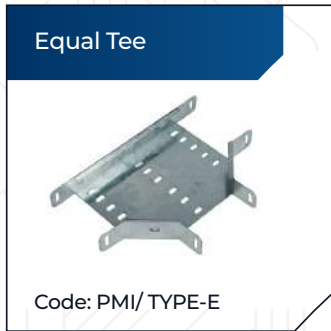
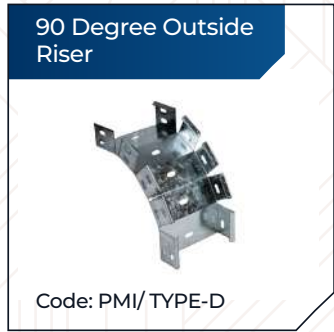
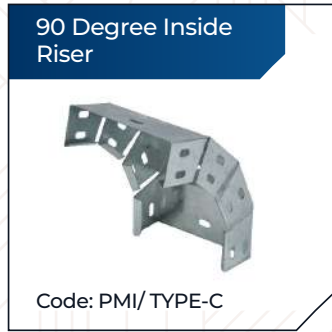
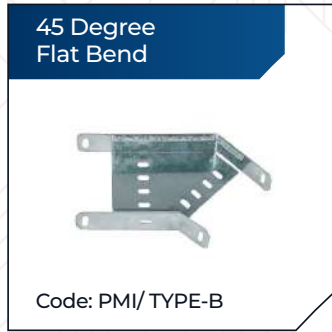
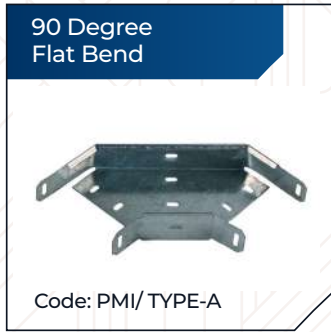
PERFORATED CABLE TRAYS



CABLE TRAY

| Part no. | Width (mm) | Height (mm) | | | Thickness (mm) |
|-------------|------------|-------------|----|-----|--------------------------|
| PMI-CT 50 | 50 | 25 | 50 | 100 | 0.7, 0.9, 1, 1.2, 1.5, 2 |
| PMI-CT 75 | 75 | 25 | 50 | 100 | 0.7, 0.9, 1, 1.2, 1.5, 2 |
| PMI-CT 100 | 100 | 25 | 50 | 100 | 0.7, 0.9, 1, 1.2, 1.5, 2 |
| PMI-CT 150 | 150 | 25 | 50 | 100 | 0.7, 0.9, 1, 1.2, 1.5, 2 |
| PMI-CT 225 | 225 | 25 | 50 | 100 | 0.7, 0.9, 1, 1.2, 1.5, 2 |
| PMI-CT 300 | 300 | 25 | 50 | 100 | 0.7, 0.9, 1, 1.2, 1.5, 2 |
| PMI-CT 450 | 450 | 25 | 50 | 100 | 1.2, 1.5, 2 |
| PMI-CT 600 | 600 | 25 | 50 | 100 | 1.2, 1.5, 2 |
| PMI-CT 750 | 750 | 25 | 50 | 100 | 1.2, 1.5, 2 |
| PMI-CT 900 | 900 | 25 | 50 | 100 | 1.2, 1.5, 2 |
| PMI-CT 1000 | 1000 | 25 | 50 | 100 | 1.5, 2 |

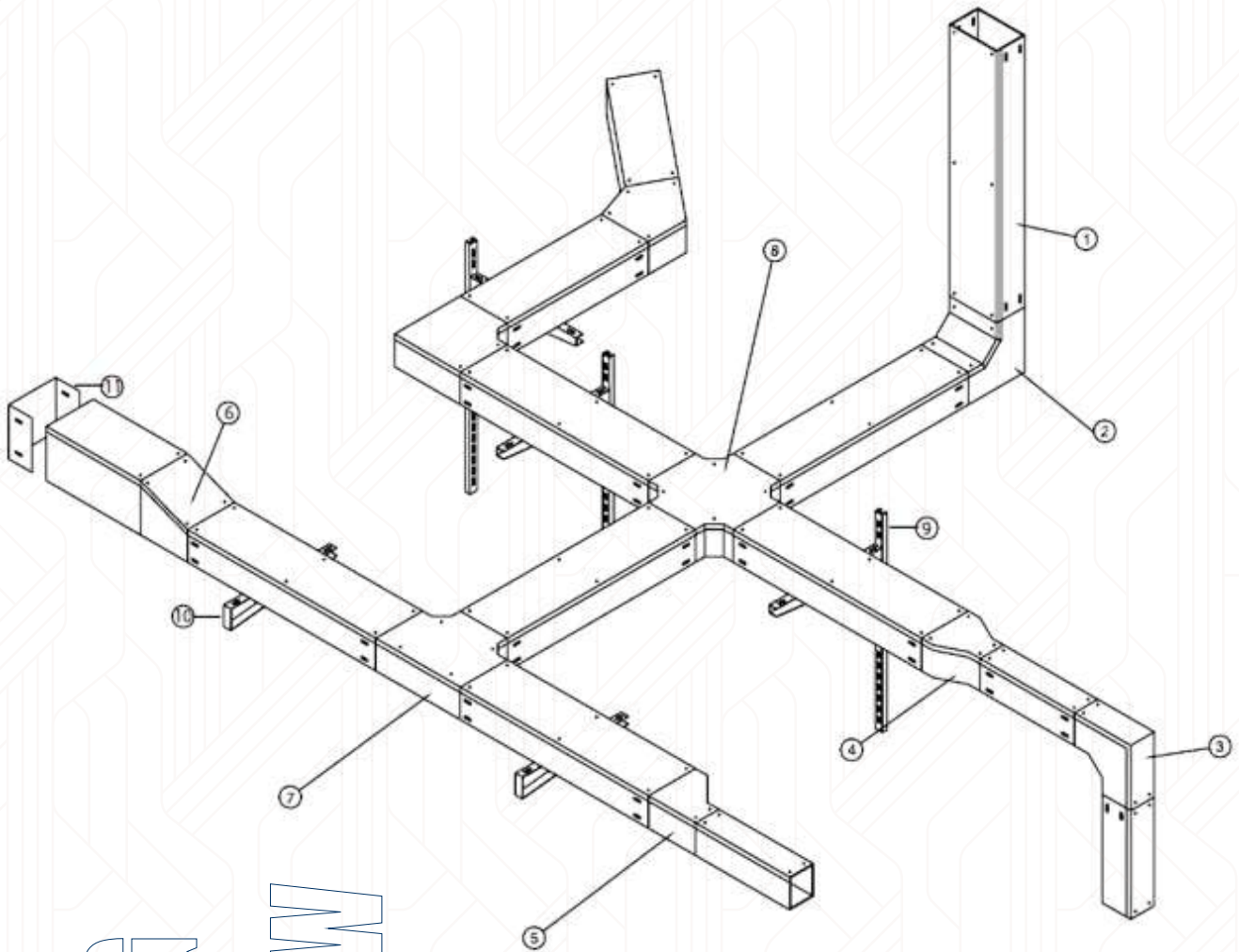
CABLE TRAY ACCESSORIES



| Code | Heights (mm) | Width (mm) | Thickness (mm) |
|-----------------------------------|--------------|---|---------------------|
| PMI- CT -TYPE A 90° Flat Bend | 50, 75, 100 | 50, 100, 150, 200, 225, 300, 400, 500, 600, 700, 800, 900, 1000 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- CT -TYPE B 45° Flat Bend | 50, 75, 100 | 50, 100, 150, 200, 225, 300, 400, 500, 600, 700, 800, 900, 1000 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- CT -TYPE C 90° Inside Riser | 50, 75, 100 | 50, 100, 150, 200, 225, 300, 400, 500, 600, 700, 800, 900, 1000 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- CT -TYPE D 90° Outside Riser | 50, 75, 100 | 50, 100, 150, 200, 225, 300, 400, 500, 600, 700, 800, 900, 1000 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- CT -TYPE E Equal Tee | 50, 75, 100 | 50, 100, 150, 200, 225, 300, 400, 500, 600, 700, 800, 900, 1000 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- CT -TYPE F Equal Cross | 50, 75, 100 | 50, 100, 150, 200, 225, 300, 400, 500, 600, 700, 800, 900, 1000 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- CT -TYPE G Reducer | 50, 75, 100 | 50, 100, 150, 200, 225, 300, 400, 500, 600, 700, 800, 900, 1000 | 0.9, 1, 1.2, 1.5, 2 |

- PMI- CT -TYPE H Cable Tray End Cap
- PMI- CT -TYPE I Coupler
- PMI- CT -TYPE J Push Clip
- PMI- CT -TYPE K Cover

CABLE TRUNKING SYSTEM OVERVIEW

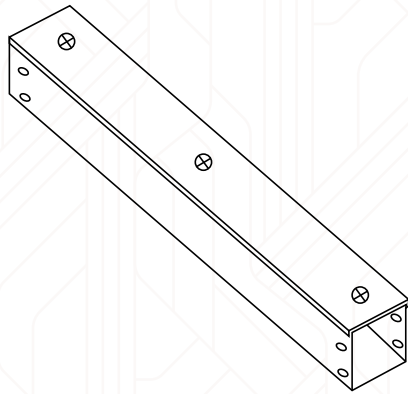


CABLE TRUNKING SYSTEM OVERVIEW

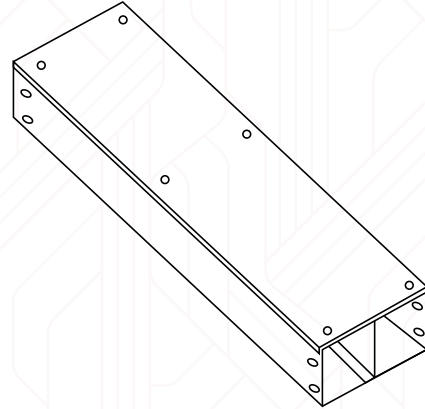
1. Cable Trunking
2. Inside Bend
3. Bend Outside
4. Straight Reducer
5. Right Hand Reducer
6. Reducer
7. Equal Tee Top Cover
8. Cross
9. C- Channel
10. Cantilever Arm
11. End Cap

CABLE TRUNKING SYSTEMS

TRUNKING TYPE



TWO COMPARTMENT TYPE




CABLE TRUNKING

| Part no. | Width (mm) | Height (mm) | Thickness (mm) | Length (mm) |
|-------------------|------------|-------------|--------------------------|-------------|
| PMI -TR 50 X 50 | 50 | 50 | 0.7, 0.9, 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 75 X 50 | 75 | 50 | 0.7, 0.9, 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 75 X 75 | 75 | 75 | 0.7, 0.9, 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 100 X 50 | 100 | 50 | 0.7, 0.9, 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 100 X 75 | 100 | 75 | 0.7, 0.9, 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 100 X 100 | 100 | 100 | 0.7, 0.9, 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 150 X 50 | 150 | 50 | 0.7, 0.9, 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 150 X 75 | 150 | 75 | 0.9, 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 150 X 100 | 150 | 100 | 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 150 X 150 | 150 | 150 | 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 200 X 50 | 200 | 50 | 1, 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 200 X 75 | 200 | 75 | 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 200 X 100 | 200 | 100 | 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 300 X 50 | 300 | 50 | 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 300 X 75 | 300 | 75 | 1.2, 1.5, 2 | 3 M/L |
| PMI -TR 300 X 100 | 300 | 100 | 1.2, 1.5, 2 | 3 M/L |


CABLE TRUNKING ACCESSORIES

90 Degree Top Open Bend




Code: PMI/TYPE-A

45 Degree Top Open Bend




Code: PMI/TYPE-B

90 Degree Inside Open Bend




Code: PMI/TYPE-C

45 Degree Inside Open Bend




Code: PMI/TYPE-D

90 Degree Outside Open Bend




Code: PMI/TYPE-E

45 Degree Outside Open Bend




Code: PMI/TYPE-F

Tee Top Open Bend




Code: PMI/TYPE-G

Equal Cross



Code: PMI/TYPE-H

Reducer



Code: PMI/TYPE-I

Trunking Outside Riser



Code: PMI/TYPE-J

Trunking Inside Riser



Code: PMI/TYPE-K


Hanging Clamp



Code: PMI/TYPE-L


| Code | Width (mm) | Height (mm) | Thickness (mm) |
|--------------------------------------|-------------|-------------|---------------------|
| PMI- TR-TYPE A 90° Top Open Bend | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE B 45° Top Open Bend | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE C 90° Inside Open Bend | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE D 45° Inside Open Bend | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE E 90° Outside Open Bend | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE F 45° Outside Open Bend | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE G Tee Top Open Bend | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE H Equal Cross | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE I Reducer | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE J Outside Riser | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |
| PMI- TR-TYPE K Inside Riser | 50, 75, 100 | 50, 75, 100 | 0.9, 1, 1.2, 1.5, 2 |

Coupler



Code: PMI/TYPE-M

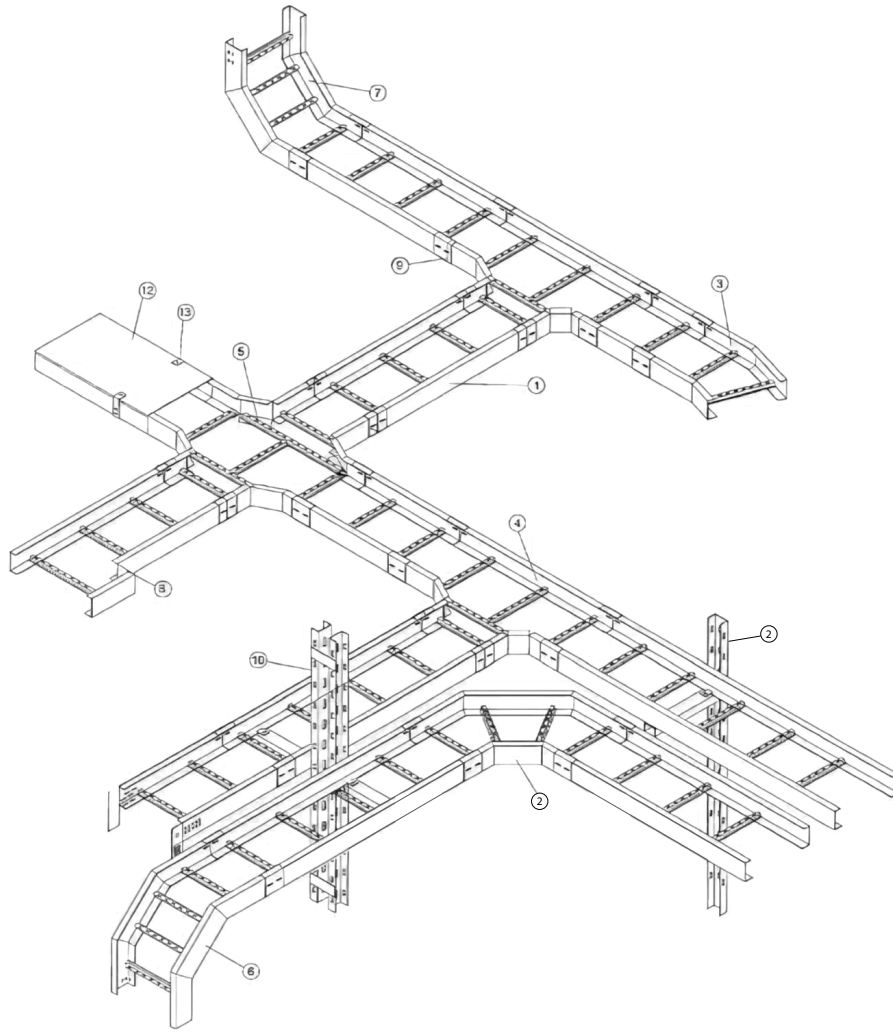
End Cap



Code: PMI/TYPE-N

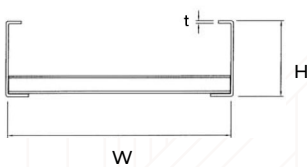
- PMI- TR-TYPE L Hanging Clamp
- PMI- TR-TYPE M End Cap
- PMI- TR-TYPE N Coupler

CABLE LADDER SYSTEM OVER VIEW



1. Cable Ladder
2. Bend 90°
3. Bend 45°
4. Equal Tee
5. Cross
6. Outside Riser
7. Inside Riser
8. Reducer Plate
9. Coupler
10. C-Channel
11. Cantilever Arm
12. Cover
13. Cover Clamp

CABLE LADDER



CABLE LADDER (Medium Duty)

| Part no. | Width (mm) | Height (mm) | Thickness (mm) | |
|------------|------------|-------------|----------------|-----|
| | | | Side | Rug |
| PMI-CL 100 | 100 | 60 | 1.5 | 1.5 |
| PMI-CL 150 | 150 | 60 | 1.5 | 1.5 |
| PMI-CL 300 | 300 | 60 | 1.5 | 1.5 |
| PMI-CL 450 | 450 | 60 | 1.5 | 1.5 |
| PMI-CL 600 | 600 | 60 | 1.5 | 1.5 |
| PMI-CL 750 | 750 | 60 | 1.5 | 1.5 |
| PMI-CL 900 | 900 | 60 | 1.5 | 1.5 |

CABLE LADDER (Heavy Duty)

| Part no. | Width (mm) | Height (mm) | Thickness (mm) | |
|------------|------------|-------------|----------------|-----|
| | | | Side | Rug |
| PMI-CL 100 | 100 | 100 | 2 | 2 |
| PMI-CL 150 | 150 | 100 | 2 | 2 |
| PMI-CL 300 | 300 | 100 | 2 | 2 |
| PMI-CL 450 | 450 | 100 | 2 | 2 |
| PMI-CL 600 | 600 | 100 | 2 | 2 |
| PMI-CL 750 | 750 | 100 | 2 | 2 |
| PMI-CL 900 | 900 | 100 | 2 | 2 |

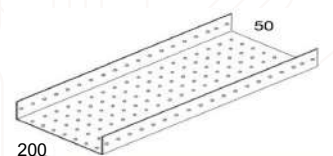
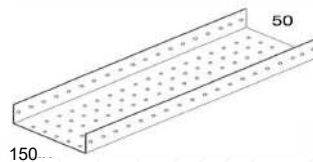
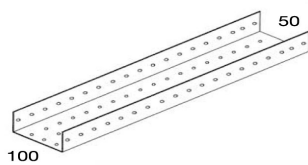
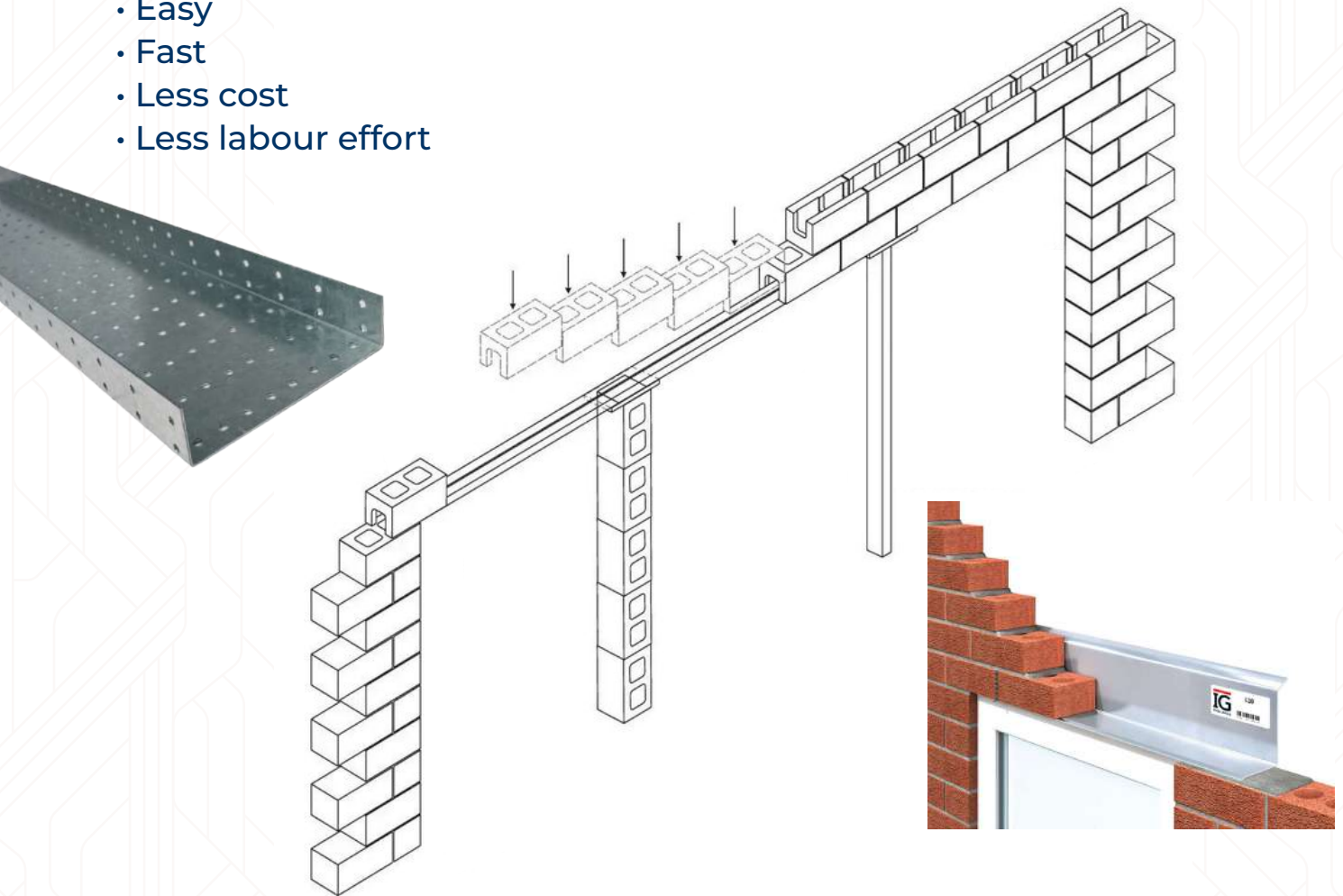
STEEL LINTELS

Steel lintel is the metal stand which is commonly used now as a support for the span over the doors and windows.

We manufacture it from prime steel galvanized with zinc coated to prevent the corrosion.

It is available in different sizes to be suitable for any types of blocks. Lintel is the best method for this purpose which provides:

- Easy
- Fast
- Less cost
- Less labour effort



| Part No. | Width (mm) | Height (mm) | Thickness (mm) |
|----------------|--------------|---------------|------------------|
| PMI-U 100 X 50 | 100 | 50 | 1.5 |
| PMI-U 150 X 50 | 150 | | 2 |
| PMI-U 200 X 50 | 200 | | |
| PMI-U 100 X 75 | 100 | 75 | 1.5 |
| PMI-U 150 X 75 | 150 | | 2 |
| PMI-U 200 X 75 | 200 | | |

TECHNICAL DATA SHEET

CABLE TRAYS

At Polaris Metal Industries L.L.C, Cable Trays and its corresponding accessories are manufactured in standard lengths of 3mtrs. In accordance with BS 61537:02 for laying of cables. BSEN ISO 1461/ASTM A 123 for Hot Dip Galvanized finish and ASTM A 653 Carbon steel A for Pre-Galvanized finish are the standards followed for the corresponding finishes. We also manufacture Aluminum and Stainless Steel Cable Trays of Grades 304 and 316.

Light Duty Cable Trays are used for installation of weightless cables such as Networking, Data Cabling, Fiber Optic Cabling and other areas of similar applications. Medium Duty Cable Trays are used for commercial applications. Heavy Duty Cable Trays are used for industrial as well as commercial purposes.

CABLE TRUNKINGS

Cable Trunkings and its corresponding accessories are manufactured in standard lengths of 3mtrs with covers in accordance with BS 4678: Part 1: 1971. These covers can be provided in Knob Type as well as Screw Type depending on application. Trunkings are manufactured as per BSEN ISO 1461/ ASTM A 123 for Hot Dip Galvanized finish and ASTM A 653 Carbon steel A for Pre-Galvanized finish. We also manufacture Aluminum and Stainless Steel Cable Trunkings of Grades 304 and 316 (L).

Trunkings are specifically designed for Light and Medium Duty cabling. This form of containment system can hold light weight cables such as fiber optic, networking and other forms of similar cabling. We also provide two and three compartment solutions for the same with corresponding accessories. These accessories are produced on our hitech CNC machines (without any welding) and are supplied with integrated couplers.

At PMI, we pride ourselves on being a globally recognized leader in manufacturing. With a steadfast commitment to excellence, innovation, and quality, we have achieved ISO certification, underscoring our dedication to meeting international standards and exceeding customer expectations.

CABLE LADDER

Cable ladder is a type of cable management system used to support and route electrical cables in various industrial and commercial settings. It consists of two longitudinal side rails connected by rungs or cross pieces, creating a ladder like structure. This design provides a strong, durable framework for holding and organizing cables, making it a popular choice for applications where high-capacity and reliable cable support are required.

They are characterized by their ease of installation in addition to time as well as money saving. PMI manufactures Cable Ladder accordance with Galvanized Steel according to BSEN ISO 1461/ASTM A 123 for Hot Dip Galvanized finish and ASTM A 653 Carbon steel A for Pre-Galvanized finish.

STEEL LINTEL

Steel Lintels provide a combination of strength and light weight, resulting in efficient load bearing performance and increased productivity on site. They are characterized by their ease of installation in addition to time as well as money saving. PMI manufactures Steel Lintel accordance with Galvanized Steel according to BSEN ISO 1461/ASTM A 123 for Hot Dip Galvanized finish and ASTM A 653 Carbon steel A for Pre-Galvanized finish

ISO 9001: 2015- Quality Management System

Our ISO 9001 certification demonstrates our adherence to rigorous quality management practices throughout our operations. From product design and development to manufacturing, distribution, and customer service, every aspect of our business is governed by stringent quality control measures. We continuously strive for improvement, ensuring that our products and services consistently meet or exceed regulatory requirements and customer satisfaction.

ISO 14001: 2015 -Environmental Management

As stewards of the environment, we take our responsibility seriously. Our ISO 14001 certification reflects our commitment to sustainable practices and environmental stewardship. We proactively minimize our environmental footprint through efficient resource management, waste reduction, and pollution prevention initiatives. By integrating environmental considerations into our decision-making processes, we not only protect the planet but also create value for our stakeholders.

ISO 45001:2018 - Occupational Health and Safety Management System

ISO 45001:2018 is the international standard for occupational health and safety management systems. Achieving this certification signifies our dedication to systematically managing occupational health and safety risks within our organization. By implementing the requirements outlined in ISO 45001, we ensure the well-being of our employees, contractors, visitors, and anyone else affected by our operations



Contact Us

☎ : 04-330 4200
04-330 4700

📍 : P.O.Box: 84768
Jabel Ali Industrial Area No.1,
Al Mulla Building, Warehouse
No.47, Dubai - U.A.E.

🌐 : www.polarismetals.ae

✉ : info@polarismetals.ae



ISO 9001: 2015
CERTIFIED COMPANY