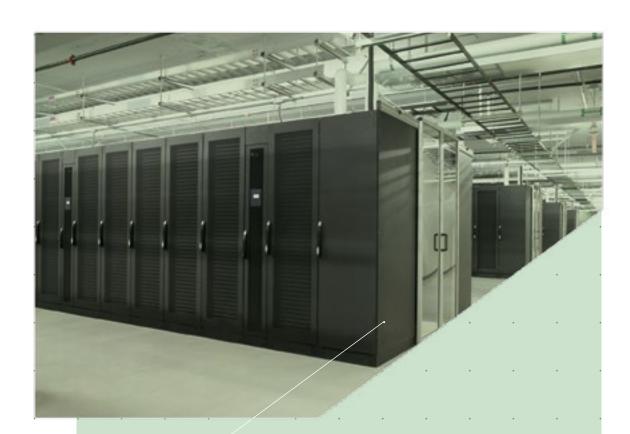


PRODUCT CATALOG



ELECTRICAL CABLE TRAY LADDER CABLE TRAY STRUT CHANNELS



The Inove Industry is a manufacturer of electromechanical products focused in the national and international market with the purpose of attending its clients in a rapid, efficient and effective manner all in an atmosphere of Total Quality, a decisive characteristic in an ever so demanding consumer reality. This was the start off point of a policy for constant improvement of the process to optimize commercial operations with our clients and suppliers.

In 2014 the company obtained ISO 9001 which certifies quality within international parameter of its internal practice.

Professionals with more than 10 years' experience, adequate inventory, operational logistics formulated to optimize commercial operations, and a well-trained sales team with know-how to solve daily technical queries.

In case of more complex necessities regarding our products or services, we offer competent technical support thus assuring reliability and security to our clients in a competitive, rapid, demanding, and ever changing market.

MISSION:

Attend and exceed our customers' and partners' expectations furnishing products and services of high quality, reliability, and punctuality.

VISION:

Consolidate and fortify our trademark, nationally and internationally, as a first alternative in the "Electromechanical Products" market thru credible, ethical, and transparent commercial channels assuring loyalty and excellency in our services.

VALUES:

- Ethics
- Commitment
- Team spirit
- Proactivity

- Agility
- Appreciation of our collaborators offering opportunities and professional growth

SOME OF OUR CLIENTS:























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DNV-GL

MANAGEMENT SYSTEM CERTIFICATE

DESIGNATION THE THE PROPERTY OF THE PROPERTY O

Initial curtification date:

Valid: 39, May, 3656 - 31, July, 3617

This is to certify that the management system of

I NOVE INDUSTRIA E COMERCIO LTDA -ME

Av. Doutor Assis Ribeiro, 2.000, 03717-001, São Paulo, SP, Brazil

has been found to conform to the Quality Management System standard:

ISO 9001:2008

This certificate is valid for the following scope: Manufacturing of raceways, profiles, bed for cables and accessories and distribution of conduits and fixing elements.

Fabricação de eletrocalhas, perfilados, leito para cabos e acessórios e distribuição de eletrodutos e elementos de fixação.

Place and date: São Ferde, 30, May, 2016



The Bulk is a signature to the UV NEA.

Pyr the issuing office: DAY GL - Business Assurance Ar Affrode Egyelin de Souze Arenha, 100 -Sloce D - 24undar - Vila Cruzelno, São Pasto, SP, Brasil

1700

Meantile Weatherin Fireaptreent Representative

Last of full most of contitoing as set and in the Control on Apparent may verify the Control in aid.

ACCRECATED UNITS DAY OLD CONTROL ADMINISTRATION S. J. PROSERVED S. J. PROSERVED AND REPORTATION SELECTED STATES.



PARKING LOTS



CHEMICAL INDUSTRY

SHOPPING CENTERS



SUPERMARKETS



STRUT CHANNELS

Closed duct for cable distribution built of low carbon steel folded in "C" form with the following dimensions: 38mm width and 38mm or 19mm height. Slotted Perforated or flat supports are available with longitudinal distances of 38mm for junction between themselves or other components. Standard length is 6000mm. The following connections follow the same characteristics adapted to geometrical differences attending to diverse building and distribution realities.



Strut Channel Perforated Ref: i9.001 Dimension 38 x 38 x 6000 mm



Flat Channel 2 Hole Ref: i9.002 Dimension $38 \times 38 \times 6000$ mm



Strut Channel Perforated Ref: i9.003 Dimension 19 x 38 x 6000 mm



Flat Channel 2 Hole Ref: i9.004 Dimension 19 x 38 x 6000 mm



Flat Channel 4 Hole Ref.: i9.005 Dimension 38 x 76 x 3000 mm



Flat Channel Perforated Ref.: i9.006 Dimension 38 x 76 x 3000 mm



Strut Channel Cover Ref: i9.007 Dimension 38 x 3000 mm



Cover for Double Channel Ref: i9.008 Dimension 76 x 3000 mm



Strut Channel Closure Strip Ref: i9.009 Dimension 38 x 3000 mm



Flat Plate Fitting Ref: i9.010 Dimension 38 x 3000 mm



Slotted Angle Ref: i9.011 Dimension 38 x 38 x 3000 mm

PRODUCT CATALOG

Available in 38x38mm | 76x38mm



External Channel Joiner Ref: i9.012



Internal Channel Joiner Ref: i9.013



Internal Elbow Channel Joiner Ref: i9.014



Internal Tee Channel Joiner Ref: i9.015



Internal Cross Channel Joiner Ref: i9.016

Available in 38x38mm | 76x38mm



Cable Support Ref: i9.017



Short Support for Light Fixtures Ref: i9.018



Long Support for Light Fixtures Ref: i9.019



Short Overhead Hanger Bracket Ref: i9.020



Long Overhead Hanger Bracket Ref: i9.021



Coupling for Channels Ref: i9.022

PRODUCT CATALOG

Available in 38x38mm



Channel-to-Box Connector Ref: i9.023



Conduit Connector Plate Ref: i9.024 Dimension 1/2" - 3/4" - 1"



Conduit Connector Double Side Exit Ref: i9.025 Dimension 1/2" - 3/4" - 1"



Conduit Connector Side Exit Ref: i9.026 Dimension 1/2" - 3/4" - 1"



Conduit Exit Cap Ref: i9.027 Dimension 1/2" - 3/4" - 1"



Channel Washer Ref: i9.028



"C" Beam Clamp with Swivel Adapter Ref: i9.029



"C" Beam Clamp Ref: i9.0230



Swivel Adapter Beam Clamps Ref: i9.031



Outlet Box for Strut Channel Ref: i9.032 Dimension 38 x 38mm

PRODUCT CATALOG

Available in 38x38mm | 76x38mm



1-Hole Internal Channel Base Plate Ref: i9.033



4 Hole Internal Channel Base Plate Ref: i9.034



4 Hole External Channel Base Plate Ref: i9.035



4 Hole External Double Channel Base Plate Ref: i9.036



"Z" Shaped Connector Fitting Ref: i9.037



"Z" Bracket Double Channel Ref: i9.038



6 Hole Double Channel Top Hat Brackets Ref: i9.039



"Z" Bracket Ref: i9.040



"U" Bracket Ref: i9.041



1 Hole Expansive Channel Ref: i9.042



2 Hole Expansive Channel Ref: i9.043



3 Hole Expansive Channel Ref: i9.044



4 Hole Angle Bracket WK Ref: i9.045



2 Hole Angle Bracket WK Ref: i9.046



2 Hole Angle Bracket Ref: i9.047



4 Hole Angle Bracket Ref: i9.048



2 Hole Adjustable Corner Angle Ref: i9.049



1 Hole Square Plate Washer Ref: i9.050



2 Hole Splice Plate Ref: i9.051



3 Hole Splice Plate Ref: i9.052



4 Hole Splice Plate Ref: i9.053



Flat Plate Bracket Ref: i9.054 Length Length Dimension 50 mm-500 mm



Flat Plate Double Strut Bracket Ref: i9.055 Length Dimension 50 mm-800 mm



Bracket Cantilever Bracket Ref: i9.056 Length Dimension 150 mm - 1200 mm

PRODUCT CATALOG

Available in 38x38mm | 76x38mm



Horizontal Elbow 90° Ref: i9.057 Dimension 38 x 38 mm



Vertical Inside 90° Ref: i9.058 Dimension 38 x 38 mm



Vertical Outside 90° Ref: i9.059 Dimension 38 x 38 mm



One Way Electrical Junction Box Terminal Ref: i9.060



Two Way Electrical Junction Box Terminal Ref: i9.061



Two Way Angle Junction Box Ref: i9.062



Tee Way Junction Box Ref: i9.063



Cross Way Junction Box Ref: i9.064



Trough Way Channel Junction Box Back Ref: i9.065



Vertical Channel Connection Ref: i9.066 38 x 38 mm



Reversal Channel Connection 90° Ref: i9.067 38 x 38 mm



Horizontal Channel Connection Ref: i9.068 38 x 38 mm

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Inove Industry satisfies all our needs regarding quality in production, commitment in delivery schedules, and prompt assistance.

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Ivan Teixeira - Seiko



FIXINGS



Tool Clips Ref: i9.080 - ½" - 4"



Strut Pipe Clip Ref: i9.081 - ½" - 4"



Single Bolt Strut Clamp Ref: i9.082 – ½" – 6"



1 Hole Strap Ref: i9.083 – ½" – 4"



Sprinkler Hanger Ref: i9.084 – ½" – 12"



"U" Bolts Ref: i9.085 - ½" - 12"



Yoke Clamp for Steel Pipe Ref: i9.086 – ½" – 12"



2 Piece Pipe Clamp for Steel Pipe Ref: $i9.087 - \frac{1}{2}$ " – 12"



Double Bolted Pipe Clamps Ref: i9.088 - ½" - 12"

FIXINGS



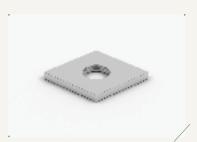
Hex Nut Ref.: i9.089 Screw "WW" 1/4" 5/16" 3/8" 1/2"



Flat Round Washer Ref.: i9.090 Screw "WW" 1/4" 5/16" 3/8" 1/2"



Round Washer Cheap Price Ref.: i9.091 Screw "WW" 1/4" 5/16" 3/8" 1/2"



Rhombus Nut without Spring
Ref.: i9.092
Screw "WW"
1/4"
5/16"
3/8"
1/2"



Rhombus Nut without Spring Ref.: i9.093 Screw "WW" 1/4" 5/16" 3/8" 1/2"



Rhombus Spring Nut with Threaded Ref.: i9.094 Screw "WW" 1/4" 5/16" 3/8" 1/2"



Slotted Truss Head Screw Ref.: i9.095
Screw "WW" Length 1/4" 3/4"
5/16" 3/4"
3/8" 3/4"



Carriage Bolt
Ref.: i9.096
Screw "WW" Length
1/4" 3/4"
5/16" 3/4"
3/8" 3/4



Hex Head Bolt
Ref.: i9.097
Screw "WW" Length
1/4" 1/2"
5/16" 3/4"
3/8" 11/2"
1/2" 2"
21/2"
3"

FIXINGS

PRODUCT CATALOG



Slotted Head Coach Screw Ref: i9.098

Screw "WW" Dimensions S-6 3,9x32 mm S-8 4,8x38 mm S-10 6,3x50 mm



Hex Head Coach Screw Ref: i9.099

Screw "WW" Dimensions S-6 3/16" x1" S-8 1/4" x 1.3/4" S-10 5/16" x 2"



Threaded Rod a ¼"x3000mm - Ref: i9.100; a3/8"x3000mm - Ref: i9.101



Rod Coupling Nut a ¼" Ref: i9.102; a 3/8" Ref: i9.103



Rawlplug Nylon S.6 - S.8 - S.10 Ref: i9.104



Sleeve Anchor a ¼" – a 5/16" – a 3/8" Ref: i9.105



Sleeve and Taper Nut a ¼" – a 5/16" – a 3/8" Ref: i9.106



Bullet Type Anchor a ¼" – a 5/16" – a 3/8" Ref: i9.107



DISTRIBUTION CENTER



RETAIL SHOPS





OFFICES



ELECTRICAL CABLE TRAY

The Electrical Cable Tray product line is recommended for use in commercial installations, industries, sheds, shopping centers, or wherever there is a need for cable distribution be it for electrical, data, voice or closedcircuit-television purposes. Folded in "U" or "C" forms with standard lengths of 3000mm with vast options of dimensional and/or geometrical needs. Available in covered or uncovered perforated or flat forms.

Also available is a complete line of accessories that meet all types of assembly situations maintaining the same straight line characteristics.

PRODUCT CATALOG

Specifying: Ex.: Perforated Cable Tray 100x50x3000mm - PZ.

Code Cable Tray: 202 / Dimensions / Finish

End Code: i9.202-100/50-PZ.



Flat Cable Tray Ref: i9.200



Flat Cable Tray with Flange Ref: i9.201



Perforated Cable Tray Ref: i9.202



Perforated Cable Tray with Flange Ref: i9.203



Straight Section Covers Ref: i9.204



Cover Cable Tray Bolted Ref: i9.205



Closure Strip Cable Tray Ref: i9.206



Perforated Divisor Strip Ref: i9.207



Septo Divisor Liso Ref.: i9.208

PRODUCT CATALOG

Specifying: Ex.: Perforated Cable Tray 100x50x3000mm – PZ.

Code Cable Tray: 202 / Dimensions/ Finish

End Code: i9.202-100/50-PZ.



Horizontal Bend Connector 90° Ref: i9.209



Horizontal Bend Connector 45° Ref: i9.210



Vertical Outside Bend Connector 90° Ref: i9.211



Vertical Outside Bend Connector 45° Ref: i9.212



Vertical Inside Bend Connector 90° Ref: i9.213



Vertical Inside Bend Connector 45° Ref: i9.214



Horizontal Tee Connector 90° Ref: i9.215



Vertical Tee Down Connector 90° Ref: i9.216



Vertical Tee Up Connector 90° Ref: i9.217



Vertical Tee Down Side Connector 90° Ref: i9.218



Horizontal Cross Connector 90° Ref: i9.219



Vertical Elbow Connector 90° Ref: i9.220



Straight Horizontal Tee Connector 90° Ref: i9.221



Straight Horizontal Elbow Connector 90° Ref: i9.222



Straight Horizontal Cross Connector 90° Ref: i9.223



Byway with Vertical Rise Connector 90° Ref: i9.224



Straight Horizontal Wye Branches Right Hand 45° Ref: i9.226



Straight Horizontal Wye Branches Left Hand 45° Ref: i9.227



Left Bend Direction Connector 45° Ref: i9.228



Right Bend Direction Connector 45° Ref: i9.229



Straight Reducer Connector Ref: i9.230



Right Hand Reducer Ref: i9.231



Left Hand Reducer Ref: i9.232



Flaps Reducer Cable Tray Ref: i9.233



Channel-to-Box Connector Ref: i9.234



Cable Duct Dropout Ref: i9.235



Splice Plate Ref: i9.236



Blind end Plate Ref: i9.237



End Plate with Exit for Electro Ducts Ref: i9.238



Standard Splice Plate Ref: i9.239



Horizontal Cover Clamp Ref: i9.240



Cover Tray Cover Clamp Ref: i9.241



Vertical Cover Clamp Ref: i9.242



Horizontal Flexible Conduit Take Off Plate Ref: i9.243



Vertical Flexible Conduit Take Off Plate Ref: i9.244

Conversion Table: Inches to millimeters		
Inches	Millimeters 'mm'	
1/2"	21,3	
3/4"	26,7	
1"	33,4	
1.1/4"	42,2	
1,1/2"	48,3	
2"	60,3	
2,1/2"	75,5	
3"	88,9	
4"	114,3	

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I would like congratulate Inove Industry for the ISO 9001. An end result of much work accomplished with ethics, commitment and dedication.

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Amanda Lima - Protek



DATA CENTERS



MINING INDUSTRY

INDUSTRY PULP AND PAPER



STEEL INDUSTRY



LADDER CABLE TRAYS

The Ladder Cable Tray product line is indicated to accommodate light or heavy cables for use in electrical, data, voice, closed-circuit-television or any other type of cable needs in various engineering projects. Fabricated in standard lengths of 3000mm with vast options of dimensional and/or geometrical needs, soldered or coupled, secure and functional, permitting visual inspection and easy access for maintenance.

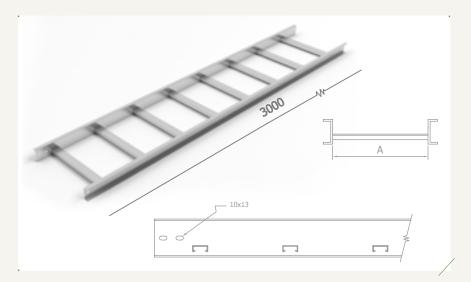
LADDER CABLE TRAYS

PRODUCT CATALOG

Specifying: Ex.: Medium Duty Cable Ladder Tray EF 400x100x3000 mm-GF.

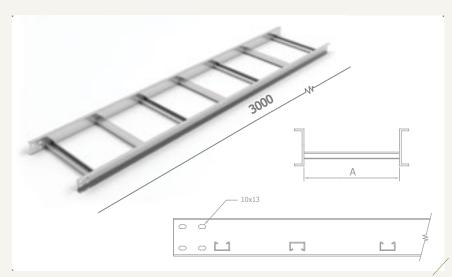
Code: i9.802-EF / Dimensions/Finish. End Code: i9.802-EF-400/100-GF.

IF = INTERNAL FLAPS EF = EXTERNAL FLAPS



Light Duty Ladder Tray

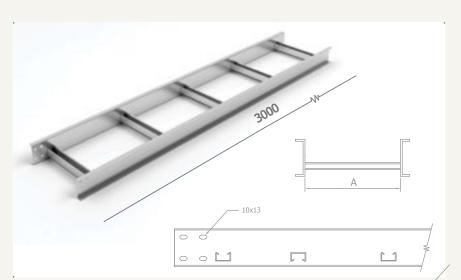
Ref.: i9.800 – EF Ref.: i9.800 – IF Longitudinal 60x19mm Trays 19x38mm Spaced every 200mm



Medium Duty Ladder Tray

Ref.: i9.801 – EF (Flap 75) Ref.: i9.801 – IF (Flap 75) Ref.: i9.802 – EF (Flap 100) Ref.: i9.802 – IF (Flap 100)

Longitudinal 60x19mm or 75x19mm Trays 19x38mm Spaced every 250mm



Heavy Duty Ladder Tray

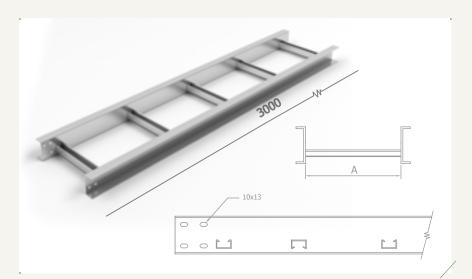
Ref.: i9.803 – EF Ref.: i9.803 – IF

Longitudinal 100x19mm Trays 38x38mm Spaced every 500mm

LADDER CABLE TRAYS

PRODUCT CATALOG

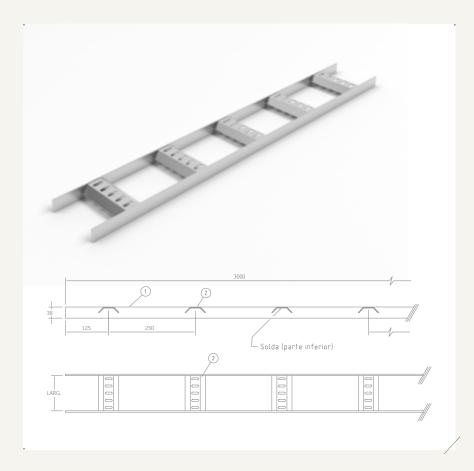
Specifying: Ex.: Cable Ladder Bend 45° for Heavy Duty Cable Ladder Tray 400×100 l Radius 320 mm – GF Code: i9-811-EF-400/100/320-GF l Radius: 320 or 520 mm



Extra Heavy Duty Ladder Tray

Ref.: i9.804 – EF Ref.: i9.804 – IF

Longitudinal 100x45mm Trays 38x38mm Spaced every 500mm



Extra Heavy Duty Ladder Tray

Ref.: i9.805-LN

Flat Bar 38.1x4.76x3000mm Trays 18x2.0x35x70mm Finish Hot-Dip Galvanized (NBR 6323)

Specifying:

Example:

Extra Heavy Duty Ladder Tray 400x38x3000mm – GF Code: i9.805-LN Dimensions/Finish

CABLE LADDER ACCESSORIES

PRODUCT CATALOG

Specifying: Ex.: Cable Ladder Bend 45° for Heavy Duty Cable Ladder Tray 400×100 | Radius 320 mm - GF Code: i9-811-EF-400/100/320-GF | Radius: 320 or 520 mm



Cable Ladder Bend 45° Ref: i9.810



Cable Ladder Bend 90° Ref: i9.811



Cable Ladder Internal Riser 45° Ref: i9.812



Cable Ladder Internal Riser 90° Ref: i9.813



Cable Ladder External Riser 45° Ref: i9.814



Cable Ladder External Riser 90° Ref: i9.815



Reversal Riser Cable Ladder 90° Ref: i9.816



Cable Ladder Tee 90° Ref: i9.817



Cable Ladder Cross 90° Ref: i9.818



Cable Vertical Ladder Tee Up 90° Ref: i9.819



Cable Ladder Vertical Tee Down 90° Ref: i9.820



Cable Ladder Elbow 90° Ref: i9.821

CABLE LADDER ACCESSORIES

PRODUCT CATALOG

Specifying: Ex.: Splice Plate Flap 100 mm-GF | Code: i9.826 / Flange Height/Finish.

End Code: i9.826-100-GF



Cable Ladder Straight Reducer Ref: i9.822



Cable Ladder Right Hand Reducer Ref: i9.823



Cable Ladder Left Hand Reducer Ref: i9.824



Splice Plate Ref: i9.837 (Flap 60) Ref: i9.838 (Flap 75) Ref: i9.839 (Flap 100)



Vertical Adjustable Splice Plate Ref: i9.840 (Flap 60) Ref: i9.841 (Flap 75) Ref: i9.842 (Flap 100)



Splice Plate Connector 90° Ref: i9.843 (Flap 60) Ref: i9.844 (Flap 75) Ref: i9.845 (Flap 100)



Expansion Guide Clamp 3/8" Ref: i9.846



Overhead Clamp Ref: i9.847



Tray-to-Box Connector Ref: i9.848



Adjustable Splice Plate Ref: i9.849



Hold Down Unit Ref: i9.850 (Flap 60) Ref: i9.851 (Flap 75) Ref: i9.852 (Flap 100)



Cover Clamp Ref: i9.853 (Flap 60) Ref: i9.854 (Flap 75) Ref: i9.855 (Flap 100)



Suspension for Cable Ladder Ref: i9.856 (Flap 60) Ref: i9.857 (Flap 75)

Ref: i9.858 (Flap 100)





Ref: i9.861 (Flap 100)

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Honesty and Cooperation make part of the service we received at Inove Industry. We congratulate the commitment and the ISO 9001 certification.

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José Carvalho - Bematel



HOTELS

CALL CENTERS



MOVIE THEATERS



EVENT HALL

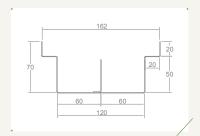


UNDER FLOOR DUCTS

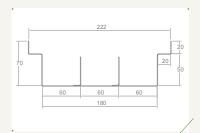
The Under Floor Duct product line is indicated for environment with suffers constant layout modifications such as: Banks, Commercial Offices, Engine Rooms, among others and also offers flexible covers which permit various electrical outlet options. Information such as: type and thickness of floor tiles or other type of floor covering such as carpets or granite must be informed.

Reinforced and environment compatible and flexible covers assure safe working conditions. Also available is a complete line of accessories that meet all types of assembly situations maintaining the same straight line characteristics.

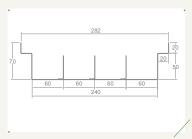
UNDER FLOOR DUCTS



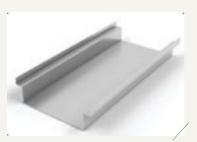
Ref.: i9.300



Ref.: i9.301



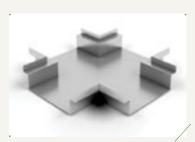
Ref.: i9.302



Under floor Duct vRef: i9.303



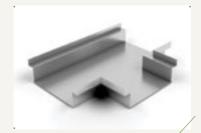
Under floor Duct Box Cover Ref: i9.304



Under Floor Cross Over Duct Ref: i9.305



Under Floor Elbow Duct 90° Ref: i9.306



Under Floor Tee Duct Ref: i9.307



Under Floor Splice Plate Ref: i9.308



End Closure Ref: i9.309

TYPES OF METAL FINISH

•	NBR: BRAZILIAN ASSOCIATION OF TECHNICAL STANDARDS
	AISI: AMERICAN IRON AND STEEL INSTITUTE
	Inove Industry's products are available in the following Metals and finishing.
	PRE-ZINC PLATED (PZ) NBR 7008
	Steel 1008/1010 (Low carbon content) Zinc coated by a hot dip process directly from
	the factory
	ELECTROLYTIC GALVANIZED (GE) NBR 10.476
	Comes with a zinc coating obtained by an electroplating process.
	HOT DIP GALVANIZED (GF)
	The hot dip or hot emersion galvanizing process presents the best result in steel
	corrosion protection according to NBR 6323.
•	PAINTED (PT) = ELECTROSTATIC POWDER PAINT
	This finish offers extra protection and guarantees durability, in addition to providing an
	elegant appearance, with varying colors according to customer's request.
	STAINLESS STEEL (IN) = STAINLESS AISI 304, AISI 316, AISI 430, AMONGST OTHERS AS
	SPECIFIED IN THE PROJECT.
	ALUMINUM (AL) = ALLOY1000 AND 1200 H14, AMONGST OTHERS AS SPECIFIED IN THE PROJECT.
	Note: If type of treatment and/or raw material is not specified, Inove Industry adopts as
	production standard (Steel 1008/1010 Pre-Zinc Plated according to NBR 7008).
	We reserve the right to eventual changes of information in this catalog without prior notice.



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