Galvanized Steel Pipe Conduit



Direct from factory EMT, IMC & Rigid Steel Conduit.
Protect your wiring with strength, speed, and cost savings.



EMT. Electrical Metallic Tubing
IMC. Intermediate Metal Conduit
RSC. Rigid Steel Conduit

Factory direct distributor of:

Tenaris

TP TECHPROCURE
CONDUIT

TP TECHPROCURE

CONDUIT



TechproConduit, a brand backed by **TechProcure**, delivers high-performance conduit solutions engineered to protect electrical systems in the most demanding environments. As the distributor of **Tenaris** conduit in the United States, we combine factory-direct pricing with superior technical expertise and customer service.

Our Products

EMT Conduit (Electrical Metallic Tubing): Lightweight, easy-to-install conduit designed for commercial and industrial applications.

IMC Conduit (Intermediate Metal Conduit): Engineered for durability and corrosion resistance, ideal for hazardous and outdoor installations.

RIGID Hot-Dip Galvanized Conduit: Maximum strength and long-term protection for heavy-duty, industrial, and offshore projects.

Certifications & Compliance

UL 797 (EMT) UL 1242 (IMC) ANSI C80.1 / C80.6 RETIE Compliant
ISO 9001:2015 Manufacturing Standards

Why Choose TechproConduit?

✔**Factory-Direct Advantage** – Lower costs, faster lead times, guaranteed quality.
✔**U.S. Distribution Hubs** – Strategically located warehouses for on-time deliveries.
✔**Certified Quality** – Products meet or exceed U.S. and international standards.

Corporate Responsibility

At TechProcure, we believe in giving back. Through educational and community programs in Bolivia, we support underprivileged children with access to education and nutrition because strong businesses build stronger communities.



EMT. Electrical Metallic Tubing

Galvanized steel conduit pipes according to the following standards: UL 797, ANSI C 80.3 (International) and NTC-105.

TechproConduit EMT – Certified Protection for Electrical Installations

TechproConduit EMT galvanized conduit pipes, manufactured by Tenaris and distributed exclusively in the United States by TechProcure as an official direct-from-factory partner, are designed to protect electrical wiring in industrial, commercial, and non-residential environments.

These **EMT** pipes can be installed either embedded or exposed, offering guaranteed resistance to environmental conditions and mechanical stress. Backed by Tenaris's global expertise in steel pipe manufacturing, **TechproConduit** delivers performance, reliability, and long-term durability.

Manufactured with carefully selected steel and advanced production processes, **TechproConduit EMT** pipes offer:

UL 797 certification

Compliance with RETIE Technical Regulations for Electrical Installations

Production under ISO 9001:2015 certified quality systems



TP TECHPROCURE
CONDUIT

SUPPLIES

The pipes are supplied according to the specifications given in the following table:

Nominal diameter (NPS)	External diameter (In.)	Wall thickness (In.)	Minimum weight (Kg.)
½″	0.706″	0.042	1.29
¾″	0.922″	0.049	1.97
1″	1.163″	0.057	2.90
1¼″	1.510″	0.065	4.31
1½″	1.740″	0.065	4.99
2″	2.197″	0.065	6.35
2½″	2.875″	0.072	9.30
3″	3.500″	0.072	11.34
3½″	4.000″	0.083	14.74
4″	4.500″	0.083	16.78

- The pipes are delivered in lengths of 3.05 m, including the union fitting. Other lengths may be provided following agreement between the parties.
- The theoretical tabulated weight is calculated at the length given in the manufacturing standard and does not include the weight of the union fitting.

MANUFACTURING TOLERANCES

On the length	+/- 0,250”
On the outer diameter: For pipes from ½″ to 2″	+/- 0.005
For 2½″ pipes	+/- 0.010
For 3″ pipes	+/- 0.015
For 3½″ and 4″ pipes	+/- 0.020
On the thickness	The minimum calculated to meet the tabulated weight

FABRICATION MATERIAL

The tubes are made of galvanized steel according to the following standards: ASTM A 653, JIS G 3302 - SGPCC, NTC 4011, or from any other equivalent steel with the following chemical composition:

Carbon	0,15% Maximum
Manganese	0,60% Maximum
Phosphorous	0,045% Maximum
Sulfur	0,045% Maximum



MECHANICAL PROPERTIES OF STEEL

Creep stress	25.000 psi minimum
Tensile stress	30.000 psi minimum
Elongation percentage	20% approximately

INTERIOR FINISH

To prevent sharp edges from breaking or tearing electrical cable insulation, the ends of the pipes are extruded internally, the welding seam is unobtrusive and free of sharp flanges.

TESTING

- Flaring test: According to the standards NTC–103
- Bending test: According to the standards UL 797, ANSI C 80.3 (NTC 105)
- Layer thickness test: According to the standards UL 797

GALVANIZING

EMT products are made from HDG (Hot Dip Galvanized) galvanized sheet with a metallic Zn deposition in the seam area after welding.

The Zn coating completely covers the internal and external surface of the pipe and adheres firmly, avoiding scaling or other defects.

The thickness of the Zn layer on the internal and external surfaces is sufficient to guarantee protection against corrosive environments and is evaluated using the copper sulfate solution immersion test as indicated in the UL 797 and NTC-105 standards.

ENDS

To make placing the accessories easier, the pipes are delivered with smooth brushed ends, protected with zinc-based paint to prevent corrosion.

IDENTIFICATION

The pipes are identified with the letters EMT embossed on the outside and a label or stencil giving the manufacturer's name and product type.



IMC. Intermediate Metal Conduit Line

Hot-dip galvanized steel conduit tubes according to the following standards: UL 1242, ANSI C 80.6 (International) & NTC-169

TechproConduit IMC – Industrial-Grade Protection for Hazardous and Corrosive Environments. **TechproConduit IMC** galvanized conduit pipes, manufactured by Tenaris and distributed exclusively in the United States by TechProcure as an official direct-from-factory partner, are engineered for heavy-duty protection in high-risk and corrosive environments.

These Intermediate Metal Conduit (IMC) pipes are specifically designed to safeguard electrical systems in industrial settings, including hazardous locations classified as Class 1, Division 1 and 2, as defined by the National Electrical Code (NEC). Their superior corrosion resistance also makes them ideal for demanding outdoor and chemical-exposed installations.

Produced with carefully selected steel and advanced manufacturing processes, **TechproConduit IMC** pipes ensure exceptional durability throughout storage, transport, and service life.

Certifications and Standards:

UL 1242 Certified

RETIE Compliant (Technical Regulations for Electrical Installations)

Manufactured in ISO 9001:2015 Certified Facilities



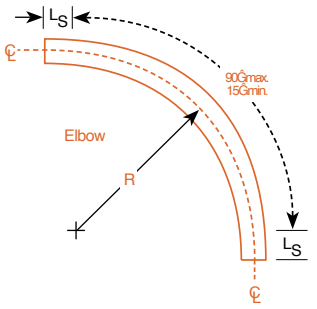
TP TECHPROCURE
CONDUIT

SUPPLIES

The pipes are supplied galvanized and threaded with a plastic guard on one end and a conduit union fitting on the other, in accordance with UL 1242 standard specifications:

Nominal diameter (NPS)	External diameter (In.)		Wall thickness (Pulg.)		Minimum weight (Kg.)
	Maximum	Minimum	Maximum	Minimum	
½″	0.820″	0.810″	0.085	0.070	2.764
¾″	1.034″	1.024″	0.090	0.075	3.772
1″	1.295″	1.285″	0.100	0.085	5.346
1 ¼″	1.645″	1.630″	0.105	0.085	7.455
1 ½″	1.890″	1.875″	0.110	0.090	8.653
2″	2.367″	2.352″	0.115	0.095	11.681
2 ½″	2.867″	2.847″	0.160	0.140	18.628
3″	3.486″	3.466″	0.160	0.140	22.924
3 ½″	3.981″	3.961″	0.160	0.140	26.301
4″	4.476″	4.456″	0.160	0.140	31.67

- The pipes are delivered in lengths of 3.05 m, including the union fitting. Other lengths may be provided as required.
- The tabulated weight is calculated at the length given in the manufacturing standard and includes the weight of the union fitting.



NPS	R(mm)	Ls (mm)
½″	102	38
¾″	114	38
1″	146	48
1¼″	184	51
1½″	210	51
2″	241	51
2½″	267	76
3″	330	79
3½″	381	83
4″	406	86

Rs: Minimum radius to tube center
Ls: Minimum straight length at the end

MANUFACTURING TOLERANCES

Over the length	+/- 0,250”
On the external diameter	The specifications given in the table above
On the thickness	The specifications given in the table above

FABRICATION MATERIAL

The tubes are made of carbon steel according to the following standards: AISI / SAE 1008, 1010, 1015; ASTM A1011; JIS G3132 Grade SPHT-1, or from any other equivalent steel with the following chemical composition:

Carbon	0,15% Maximum
Manganese	0,60% Maximum
Phosphorous	0,045% Maximum
Sulfur	0,045% Maximum

MECHANICAL PROPERTIES OF STEEL

Creep stress	25.000 psi Maximum
Tensile stress	44.000 psi Maximum
Elongation percentage	23% approximately

INTERIOR FINISH

To prevent sharp edges from breaking or tearing electrical cable insulation, the ends of the pipes are extruded internally and the weld bead removed using a burr process.

TESTING

- Flaring test: According to the NTC-103 standard
- Prueba de doblez: According to the standards ANSI C 80.6 (UL 1242), NTC-169
- Layer thickness test: According to the standards ANSI C 80.6 (UL 1242), NTC-169

GALVANIZATION

The pipes have a Zn coating, which completely covers both internal and external surfaces and adheres firmly, avoiding scaling or other defects.

The thickness of the Zn layer on the internal and external surfaces is sufficient to guarantee protection against corrosive environments and is evaluated using the copper sulfate solution immersion test as indicated in the UL 1242 and NTC-169 standards.

THREADING

The pipes are threaded in accordance with ANSI B1.20.1 (NTC-332), type NPT and are supplied with a conduit thread union NPS type fitting which complies with the UL 1242 standard and is coupled at one end, with a plastic thread guard at the other whose color varies according to the following color identification table.

THREAD GUARD COLOR IDENTIFICATION TABLE

NPS	Color
½″, 1½″, 2½″, 3½″	Yellow
¾″, 1¼″	Green
1″, 2″, 3″, 4″, 6″	Orange

IDENTIFICATION

Pipes manufactured under the ANSI C 80.6 / UL 1242 standards are identified with the letters IMC stamped or marked with a template on the exterior and a label or stencil giving the manufacturer's name and product type.





RIGID Galvanized Conduit Pipes

Hot-dip galvanized steel conduit pipes, according to the following standards: UL 6, ANSI C 80.1 (International) and NTC-171

TechproConduit RIGID galvanized conduit pipes (Metal Conduit),

The **RIGID Conduit** pipe is designed to protect electrical cables in industrial installations, in areas classified as being at high risk of explosion, such as those in class 1, and divisions 1 and 2 as detailed in the NTC-2050 standard (National Electrical Code), and in corrosive environments.

The **RIGID pipes** are manufactured from carefully selected steels and materials, using high technology production processes to guarantee the quality of the pipe during storage as well as during its useful life.

RIGID Conduit pipes are UL 6-certified, comply with the RETIE Technical Regulations for Electrical Installations, and are manufactured in ISO.

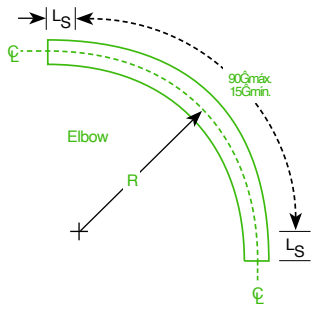
TP TECHPROCURE
CONDUIT

SUPPLIES

The pipes are supplied galvanized and threaded with a plastic guard on one end and a conduit union fitting on the other, in accordance with UL 6 standard specifications:

Nominal diameter (NPS)	External diameter (In.)	Wall thickness (In.)	Minimum weight (Kg.)
½″	0.840″	0.104	3.58
¾″	1.050″	0.107	4.76
1″	1.315″	0.126	6.94
1¼″	1.660″	0.133	9.12
1½″	1.900″	0.138	11.29
2″	2.375″	0.146	15.06
2½″	2.875″	0.193	23.90
3″	3.500″	0.205	30.96
3½″	4.000″	0.215	37.69
4″	4.500″	0.225	44.10
6″	6.625″	0.266	79.17

- The pipes are delivered in lengths of 3.05 m, including the union fitting. Other lengths may be provided as required.
- The tabulated weight is calculated at the length given in the manufacturing standard and includes the weight of the union fitting.



NPS	R(mm)	Ls (mm)
½″	102	38
¾″	114	38
1″	146	48
1¼″	184	51
1½″	210	51
2″	241	51
2½″	267	76
3″	330	79
3½″	381	83
4″	406	86

Rs: Minimum radius to tube center
Ls: Minimum straight length at the end

MANUFACTURING TOLERANCES

Over the length	+/- 0,250"
On the outer diameter: For ½″ NPS pipes up to 1 ½″ inclusive	+/- 0,015"
For 2″ NPS pipes up to 6″ inclusive	+/- 1%

FABRICATION MATERIAL

The pipes are made from carbon steel according to ASTM A1011 and JIS G3132 Grade SPHT-1 standards, or any other equivalent steel with the following chemical composition:

Carbon	0,15% Maximum
Manganese	0,60% Maximum
Phosphorous	0,045% Maximum
Sulfur	0,045% Maximum

MECHANICAL PROPERTIES OF STEEL

Creep stress	25.000 psi minimum
Tensile stress	44.000 psi minimum
Elongation percentage	23% approximately

INTERIOR FINISH

To prevent sharp edges from breaking or tearing electrical cable insulation, the ends of the pipes are extruded internally and the weld bead removed using a burr process.

TESTING

- Flaring test: According to NTC-103 standard
- Bending test: According to ANSI C 80.1 (UL 6), NTC-171 standards
- Layer thickness test: According to ANSI C 80.1 (UL 6), NTC-171 standards

GALVANIZING

The pipes have a Zn coating, which completely covers both internal and external surfaces and adheres firmly, avoiding scaling or other defects.

The thickness of the Zn layer on the internal and external surfaces is sufficient to guarantee protection against corrosive environments and is tested using the copper sulfate solution immersion test as indicated in the UL 6 and NTC-171 standards.

THREADING

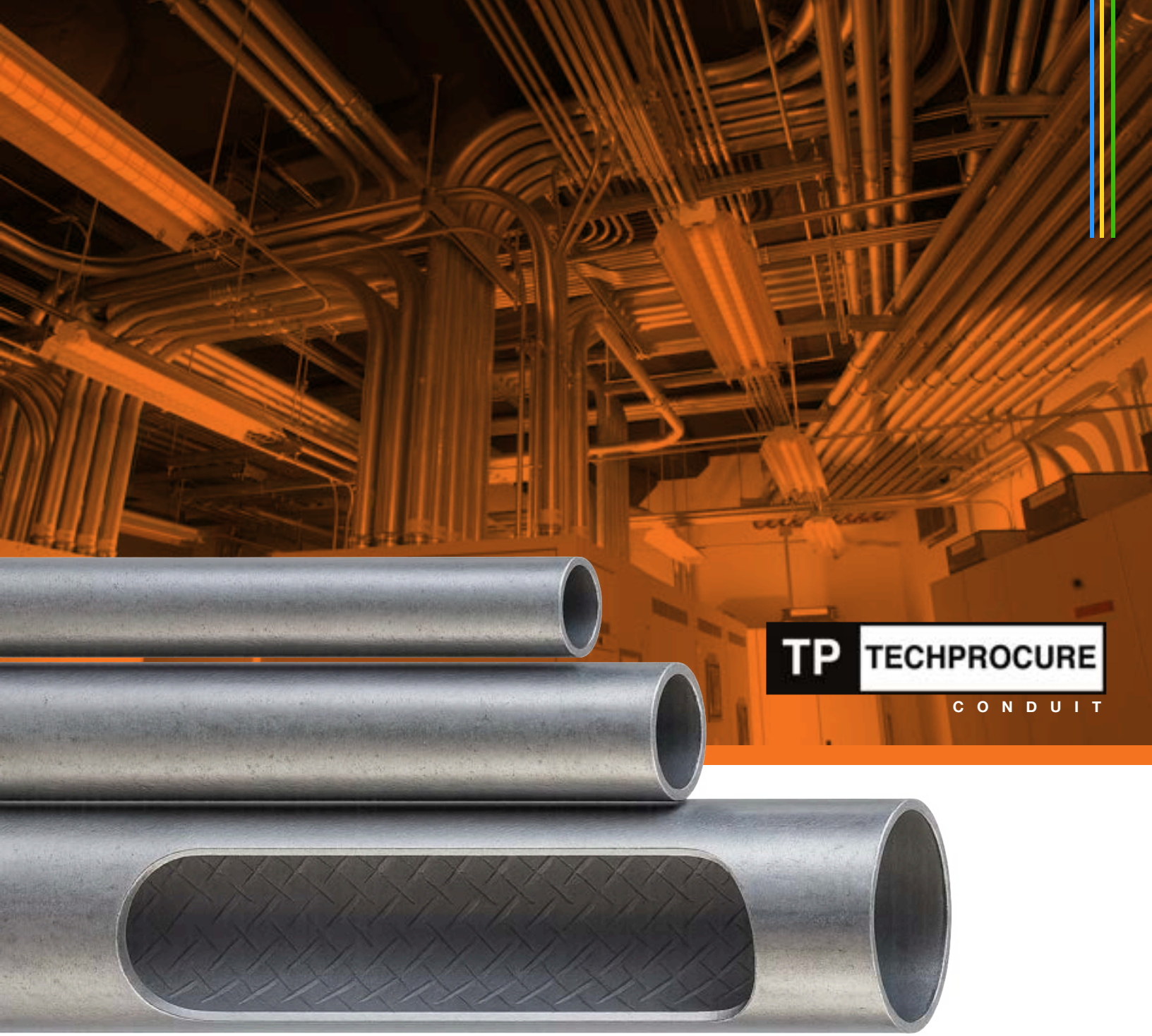
The pipes are threaded in accordance with ANSI B1.20.1 (NTC-332), NPT type, and are supplied with a conduit thread union NPS type fitting which complies with the UL 6 standard and is coupled at one end, with a plastic thread guard at the other whose color varies according to the following color identification table.

THREAD GUARD COLOR IDENTIFICATION TABLE

NPS	Color
½″, 1½″, 2½″, 3½″	Black
¾″, 1¼″	Red
1″, 2″, 3″, 4″, 6″	Blue

IDENTIFICATION

The pipes are identified with the letters ERMC-S embossed on the outside and a stenciled label giving the manufacturer's name and product type.



TP TECHPROCURE

CONDUIT

EMT. Electrical Metallic Tubing

IMC. Intermediate Metal Conduit

RSC. Rigid Steel Conduit

Factory direct distributor of:

Tenaris

Sale: (281) 895 3009 - Sales@techprocure.com - www.Techprocure.com