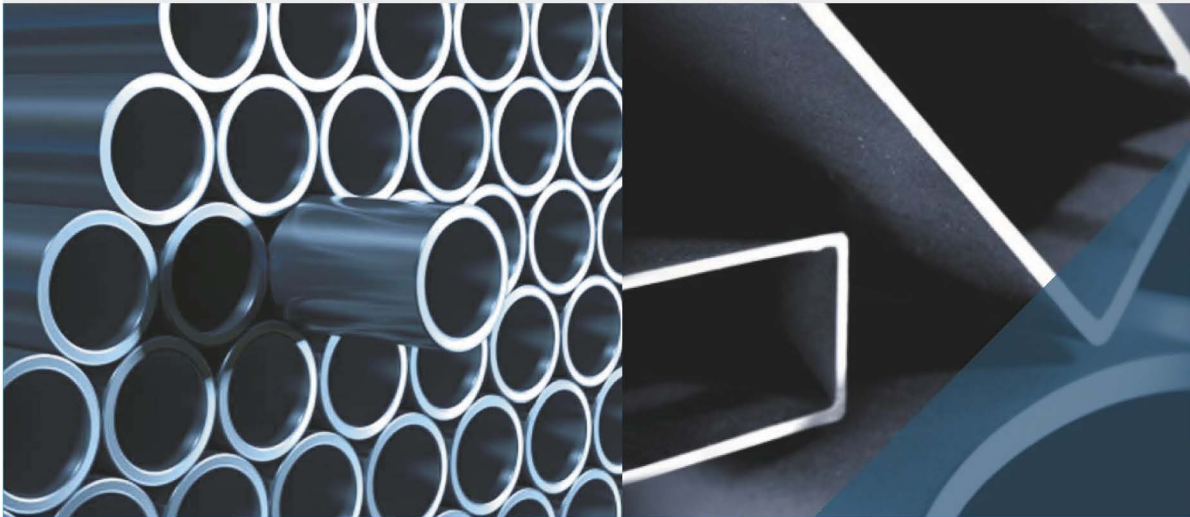




D E L I V E R I N G V A L U E



ISO 9001 CERTIFIED COMPANY

BRANDS:

AST PIPES
DELIVERING VALUE

Gaurang
Shaping Steel with Perfection



COMPANY OVERVIEW

AST Pipes Private Limited (AST) sounds like a reputable and forward-thinking company in the Indian piping industry. Based on the information provided, here are some key highlights about AST Pipes:

1. **Industry Dominance:** AST Pipes has established itself as a dominant player in the Indian piping industry, indicating a strong market presence and recognition.
2. **Product Specialization:** The company's focus on manufacturing and supplying ERW pipes sets it apart as a specialist in this particular type of steel tubes and pipes.
3. **Diverse Customer Base:** AST Pipes caters to a wide range of industries, including infrastructure, telecommunications, defence, railroads, airports, real estate, and automobiles. This diversification likely contributes to the company's stability and resilience.
4. **Research and Development:** AST Pipes prioritizes research and development, aiming to become a research-led piping solutions provider. This approach suggests a commitment to innovation and staying at the forefront of the industry.
5. **Innovative Product Lines:** The emphasis on research-based approaches allows AST Pipes to introduce innovative product lines regularly, demonstrating adaptability and responsiveness to evolving market demands.
6. **Technology Investment:** By investing in cutting-edge technology, AST Pipes positions itself as a technologically advanced company capable of meeting the evolving needs of its clients effectively.
7. **Sustainability Focus:** The company's commitment to minimizing its environmental footprint through responsible manufacturing practices shows a dedication to social and environmental responsibility.
8. **Quality Standards and Customer Service:** AST Pipes takes pride in its quality standards and customer service, emphasizing the importance of delivering products that meet clients' specific requirements.

Overall, AST Pipes seems to have a well-rounded approach to its business operations, encompassing research, innovation, technology, sustainability, and customer-centricity. As a leading manufacturer and supplier in the Indian piping industry, the company likely plays a significant role in infrastructure development and various other sectors.



| | | |
|--------------------------------------|--------------------------------|-------|
| S T R E T N O C | Chairman Message | 02 |
| | Quality Process | 03 |
| | Recognised by Experts | 04 |
| | Steel Tubes IS :1239 | 05 |
| | Steel Tubes IS: 1161 | 06 |
| | Steel Tubes IS: 3589 | 07 |
| | Steel Tubes IS: 4270 | 08 |
| | Steel Tubes IS: 9295 | 09 |
| | Square & Rectangular IS : 4923 | 10 |
| | Pre-Galvanised Pipes | 11-12 |
| | Cold Rolled Full Hard Tubes | 13-14 |
| | Precision Tubes | 15 |
| Product Range Tubes | 16 | |
| CR Coils & GC Coils | 17 | |
| Equivalent Standards | 18 | |



CHAIRMAN MESSAGE

Dear Customers,

I am pleased to take the opportunity to introduce AST Pipes of Companies as a leading manufacture and exporter of Galvanized and Black Steel Pipes and Tubes, in and abroad, since last 35 years.

Considering the potential available, state-of-the-art manufacturing plant for Black Steel Tubes & Pipes was installed with the capacity of 10,000 MT in the beginning and having the acceptability of AST brand pipes and tubes in and abroad, the production capacity increased up to 1,25,000 MT in short span of time, having sizes 15mm up to 400mm with light, medium & heavy class maintaining the standards like IS, ASTM, and other international standard.

After successful introduction of Black Steel Tubes, company added the Galvanized Plant Precision pipe plant and many other products to capture the market needs.

Being Proactive, professional and having a Vision to become a leading organisation of India, company kept on adding similar product range with new size and thickness. CR Coils & GP Coils plant and large size pipes from 175mm to 400mm, which are in high demand in Domestic & International market where re-construction is on high speed are the example of company proactive-ness in the business.

The outlook for the Steel Industry is very bright in India & abroad, therefore, all proactive decision are being taken to capture the need at all levels.

New projects of colour coating sheets are under process for having more bright future for the company which shall be shared in due course of time.

Once again I would like to convey my sincere thanks to you for showing your dedication and patronage.

Yours truly,

Sh. Mahender Aggarwal

Chairman



OUR BRANDS

Explore Our Brand's Portfolio Showcasing
 Exceptional Steel Pipe Solutions, Each
 Crafted with Precision, Quality, and
 Innovation at its Core



M.S. ERW
 ROUND
 TUBES/PIPES



M.S. ERW
 SQUARE &
 RECTANGULAR
 TUBES/PIPES



PRE-GALVANISED
 ERW
 TUBES/PIPES



COLD ROLLED
 FULL HARD
 TUBES/PIPES



PRECISION
 TUBES/PIPES



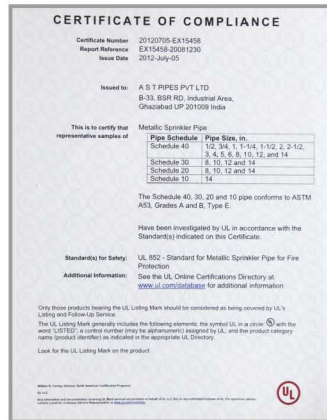
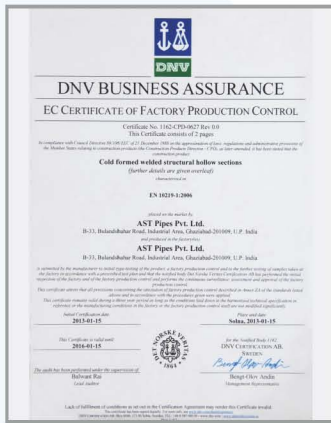
GP COILS

QUALITY PROFILE

"TQS
 thru' TQM" (Total Quality
 Service through Total Quality
 Management) AST is having vast and rich
 experience of about 25 years. Quality control is a
 continuous process and AST focus is maintained by
 qualified engineers. A rigid vigilance is being maintained
 to ensure that quality products are being produced and
 sent out of the factory. Raw material is tested for chemical
 composition, tensile strength, elongation, thickness and
 tolerance. The pipes are subject to the Bend, Flattening
 Elongation and Tensile Tests to ensure weld strength. Products
 are tested Hydro static Test' each pipe tested at required
 pressure as applicable specification & customer required to
 ensure that there is no leakage. Galvanized pipes are tested for
 the uniformity of zinc coating. Each pipes checks visually
 under proper illumination for surface finish & dimensional
 check. All relevant Indian and International standard are
 being followed at the time of manufacturing to
 ensure that Right Product at Right Time is being
 delivered to its valuable customers, all
 over the world.



RECOGNISED BY EXPERTS



**Awarded by U.P. Govt.
For One of the Best
State Unit in
the Year 1990-91**

ISO 9001 Certified Company

Certificate of Excellence

AST Pipes Pvt. Ltd.
Award for Star Performer in 2009-10
Tubes, Pipes & Hollow Profiles and Tube or Pipe Fittings of Iron & Steel
Small Enterprise

Hudh
Aman Chudha
Chairman

Certificate of Excellence

AST Pipes Pvt. Ltd.
Star Performer Award 2012-13 in the Product Group
Tubes, Pipes and Hollow Profiles and Tube or Pipe Fittings of iron or Steel
Micro Enterprise

Anjum Shah
Chairman, EEPIC India

Certificate of Excellence

AST Pipes Pvt. Ltd.
Award for Star Performer in 2010-11
in the product group of
Tubes, Pipes and Hollow Profiles and Tube or Pipe Fittings of Iron or Steel
Small Enterprise

Hudh
Aman Chudha
Chairman, EEPIC India

Steel Tubes for Ordinary uses in Water Gas and Air Lines Conforming to IS : 1239 (Part - 1) 2004 & EN:10255, EN:10219

| N.B. and Series | Outside Diameter | | Wall Thickness | | Nominal Weight Black Tubes | | | | Nominal Weight Galvanized Tubes | | | | Sockets | | |
|-----------------|------------------|------------|----------------|------|----------------------------|---------|--------------------|---------|---------------------------------|---------|--------------------|---------|--------------|----------------|------|
| | | | | | Plain End | | Screwed & Socketed | | Plain End | | Screwed & Socketed | | Minimum O.D. | Minimum Length | |
| mm | minimum mm | maximum mm | mm | swg | kg/m | m/tonne | kg/m | m/tonne | kg/m | m/tonne | kg/m | m/tonne | mm | mm | |
| 15 | L | 21.0 | 21.4 | 2.00 | 14 | 0.947 | 1056 | 0.956 | 1046 | 0.947 | 1056 | 0.956 | 1046 | 27.0 | 37.0 |
| | M | 21.0 | 21.8 | 2.60 | 12 | 1.21 | 826 | 1.22 | 819 | 1.21 | 826 | 1.22 | 819 | | |
| | H | 21.0 | 21.8 | 3.20 | 10 | 1.44 | 694 | 1.45 | 689 | 1.44 | 694 | 1.45 | 689 | | |
| 20 | L | 26.4 | 26.9 | 2.30 | 13 | 1.38 | 724 | 1.39 | 719 | 1.38 | 724 | 1.39 | 719 | 32.5 | 39.0 |
| | M | 26.5 | 27.3 | 2.60 | 12 | 1.56 | 641 | 1.57 | 637 | 1.56 | 641 | 1.57 | 637 | | |
| | H | 26.5 | 27.3 | 3.20 | 10 | 1.87 | 534 | 1.88 | 532 | 1.87 | 534 | 1.88 | 532 | | |
| 25 | L | 33.2 | 33.8 | 2.60 | 12 | 1.98 | 505 | 2.0 | 500 | 1.98 | 505 | 2.0 | 500 | 39.5 | 46.0 |
| | M | 33.3 | 34.2 | 3.20 | 10 | 2.41 | 415 | 2.43 | 411 | 2.41 | 415 | 2.43 | 411 | | |
| | H | 33.3 | 34.2 | 4.00 | 8 | 2.93 | 341 | 2.95 | 339 | 2.93 | 341 | 2.95 | 339 | | |
| 32 | L | 41.9 | 42.5 | 2.60 | 12 | 2.54 | 393 | 2.57 | 389 | 2.54 | 393 | 2.57 | 389 | 49.0 | 51.0 |
| | M | 42.0 | 42.9 | 3.20 | 10 | 3.10 | 322 | 3.13 | 319 | 3.10 | 322 | 3.13 | 319 | | |
| | H | 42.0 | 42.9 | 4.00 | 8 | 3.79 | 264 | 3.82 | 261 | 3.79 | 264 | 3.82 | 261 | | |
| 40 | L | 47.8 | 48.4 | 2.90 | 11 | 3.23 | 309 | 3.27 | 306 | 3.23 | 309 | 3.27 | 306 | 56.0 | 51.0 |
| | M | 47.9 | 48.8 | 3.20 | 10 | 3.56 | 281 | 3.60 | 277 | 3.56 | 281 | 3.60 | 277 | | |
| | H | 47.9 | 48.8 | 4.00 | 8 | 4.37 | 229 | 4.41 | 226 | 4.37 | 229 | 4.41 | 226 | | |
| 50 | L | 59.6 | 60.2 | 2.90 | 11 | 4.08 | 245 | 4.15 | 241 | 4.08 | 245 | 4.15 | 241 | 68.0 | 60.0 |
| | M | 59.7 | 60.8 | 3.60 | 9 | 5.03 | 199 | 5.10 | 196 | 5.03 | 199 | 5.10 | 196 | | |
| | H | 59.7 | 60.8 | 4.50 | 7 | 6.19 | 161 | 6.26 | 159 | 6.19 | 161 | 6.26 | 159 | | |
| 65 | L | 75.2 | 76.0 | 3.20 | 10 | 5.71 | 175 | 5.83 | 171 | 5.71 | 175 | 5.83 | 171 | 84.0 | 69.0 |
| | M | 75.3 | 76.6 | 3.60 | 9 | 6.42 | 155 | 6.54 | 153 | 6.42 | 155 | 6.54 | 153 | | |
| | H | 75.3 | 76.6 | 4.50 | 7 | 7.93 | 126 | 8.05 | 124 | 7.93 | 126 | 8.05 | 124 | | |
| 80 | L | 87.9 | 88.7 | 3.20 | 10 | 6.72 | 149 | 6.89 | 145 | 6.72 | 145 | 6.89 | 145 | 98.0 | 75.0 |
| | M | 88.0 | 89.5 | 4.00 | 8 | 8.36 | 119 | 8.53 | 117 | 8.36 | 119 | 8.53 | 117 | | |
| | H | 88.0 | 89.5 | 4.80 | 6 | 9.90 | 101 | 10.10 | 99 | 9.90 | 101 | 10.10 | 99 | | |
| 100 | L | 113.0 | 113.9 | 3.60 | 9 | 9.75 | 102 | 10.0 | 100 | 9.75 | 102 | 10.0 | 100 | 124.0 | 87.0 |
| | M | 113.1 | 115.0 | 4.50 | 7 | 12.20 | 82 | 12.50 | 80 | 12.20 | 82 | 12.50 | 80 | | |
| | H | 113.1 | 115.0 | 5.40 | 5 | 14.50 | 69 | 14.80 | 67 | 14.50 | 69 | 14.80 | 67 | | |
| 125 | M | 138.5 | 140.8 | 4.80 | 6 | 15.90 | 63 | 16.40 | 61 | 15.90 | 63 | 16.40 | 61 | 151.0 | 96.0 |
| | H | 138.5 | 140.8 | 5.40 | 5 | 17.9 | 56 | 18.40 | 54 | 17.9 | 56 | 18.40 | 54 | | |
| 150 | M | 163.9 | 166.5 | 4.80 | 6 | 18.90 | 53 | 19.50 | 51 | 18.90 | 53 | 19.50 | 51 | 178.0 | 96.0 |
| | H | 163.9 | 166.5 | 5.40 | 5 | 21.3 | 47 | 21.90 | 45 | 21.3 | 47 | 21.9 | 45 | | |

TOLERANCES

(a) Thickness

1. Light Tubes + not limited -8%
2. Medium and Heavy Tubes + not limited -10%

(b) Weight

1. Single Tube (Light Series) + 10% - 8%
2. Single tubes (Medium and Heavy series) ± 10%
3. For quantities per load of 10 tonnes minimum (Light series) + 7.5% - 5%
4. For quantities per load of 10 tonnes minimum (medium and heavy series) ± 7.5%

(c) LENGTH

Unless otherwise specified 4 to 7 meters.

APPLICATIONS

- Water Lines
- Fire fighting
- Gas Lines



Steel Tubes for Structural Purposes Conforming to IS : 1161 : 2014
Grade YST 210, YST 240, YST 310



| N.B. and Series | Outside Diameter | Thickness | Nominal Weight Black Tubes Plain End | | Calculated Nominal Weight Galvanized Tubes Plain End | |
|-----------------|------------------|-----------|--------------------------------------|---------|--|---------|
| | | | Kg/m | m/tonne | Kg/m | m/tonne |
| 15 | 21.3 | 2.0 | 0.952 | 1056 | 1.00 | 1003 |
| | | 2.6 | 1.20 | 826 | 1.26 | 794 |
| | | 3.2 | 1.43 | 694 | 1.49 | 671 |
| 20 | 26.9 | 2.3 | 1.20 | 725 | 1.43 | 699 |
| | | 2.6 | 1.56 | 641 | 1.61 | 621 |
| | | 3.2 | 1.87 | 535 | 1.92 | 521 |
| 25 | 33.7 | 2.6 | 1.99 | 505 | 2.03 | 493 |
| | | 3.2 | 2.41 | 415 | 2.46 | 407 |
| | | 4.0 | 2.93 | 341 | 2.98 | 336 |
| 32 | 42.4 | 2.6 | 2.55 | 394 | 2.62 | 382 |
| | | 3.2 | 3.09 | 323 | 3.18 | 314 |
| | | 4.0 | 3.79 | 264 | 3.87 | 258 |
| 40 | 48.3 | 2.9 | 3.25 | 310 | 3.34 | 299 |
| | | 3.2 | 3.56 | 281 | 3.67 | 272 |
| | | 4.0 | 4.37 | 229 | 4.48 | 236 |
| 50 | 60.3 | 2.9 | 4.11 | 245 | 4.20 | 238 |
| | | 3.6 | 5.03 | 199 | 5.15 | 194 |
| | | 4.5 | 6.16 | 162 | 6.31 | 158 |
| 65 | 76.1 | 2.9 | 5.24 | 175 | 5.86 | 171 |
| | | 3.6 | 6.44 | 156 | 6.57 | 152 |
| | | 4.5 | 7.95 | 126 | 8.10 | 123 |
| 80 | 88.9 | 3.2 | 8.76 | 149 | 6.90 | 145 |
| | | 4.0 | 8.38 | 120 | 8.54 | 117 |
| | | 4.8 | 9.96 | 101 | 10.08 | 99 |
| 90 | 101.6 | 3.6 | 8.70 | 115 | 8.97 | 111 |
| | | 4.0 | 9.63 | 144 | 7.20 | 139 |
| | | 4.8 | 11.46 | 87 | 11.77 | 85 |
| 100 | 114.3 | 3.6 | 9.83 | 103 | 9.97 | 100 |
| | | 4.5 | 12.19 | 82 | 12.42 | 81 |
| | | 5.4 | 14.50 | 69 | 14.72 | 68 |
| 110 | 127.0 | 4.5 | 13.59 | 74 | 13.90 | 72 |
| | | 4.8 | 14.47 | 69 | 14.80 | 68 |
| | | 5.4 | 16.19 | 62 | 14.80 | 61 |
| 125 | 139.7 | 4.5 | 15.00 | 67 | 15.25 | 66 |
| | | 4.8 | 15.97 | 63 | 16.15 | 62 |
| | | 5.4 | 17.89 | 56 | 18.15 | 55 |
| 135 | 152.4 | 4.5 | 16.41 | 61 | 16.78 | 60 |
| | | 4.8 | 17.47 | 57 | 17.88 | 56 |
| | | 5.4 | 19.58 | 51 | 19.98 | 55 |
| 150 | 165.1 | 4.5 | 17.82 | 56 | 18.20 | 55 |
| | | 4.8 | 18.98 | 53 | 19.30 | 52 |
| | | 5.4 | 21.27 | 47 | 21.70 | 46 |
| 150 | 168.3 | 4.5 | 18.18 | 55 | 18.66 | 54 |
| | | 4.8 | 19.35 | 52 | 19.88 | 50 |
| | | 5.4 | 21.69 | 46 | 22.24 | 45 |
| | | 6.3 | 25.17 | 40 | 41.00 | 24 |
| 175 | 193.7 | 4.8 | 22.36 | 45 | 22.94 | 44 |
| | | 5.4 | 25.08 | 40 | 25.64 | 39 |
| | | 5.9 | 27.33 | 37 | 27.84 | 36 |
| | | 4.8 | 25.37 | 39 | 25.95 | 39 |
| 200 | 219.1 | 5.6 | 29.49 | 34 | 30.05 | 33 |
| | | 5.9 | 31.02 | 32 | 31.55 | 32 |
| | | 5.9 | 34.72 | 29 | 35.36 | 28 |
| 250 | 273.0 | 5.9 | 38.86 | 26 | 39.68 | 25 |
| 300 | 323.9 | 6.3 | 49.34 | 20 | 50.28 | 20 |
| 350 | 355.6 | 8.0 | 68.58 | 15 | 69.58 | 14 |

A. TENSILE PROPERTIES

| Grade | Y.S. (MIN) Mpa | T.S. (MIN) Mpa | % age Elongation |
|---------|-------------------|-------------------|---------------------|
| YST-210 | 210 | 330 | 20 |
| YST-240 | 240 | 410 | 17 |
| YST-310 | 310 | 450 | 14 |
| YST-355 | 355 | 490 | 10 |

Note : Elongation percent for tubes up to and including 25mm NB for all grades shall be 12 minimum.

B - TOLERANCE

- (i) Outside Diameter
 - upto & including 48.3 mm + 0.4mm
 - 0.8mm
 - Over 48.3mm + 1%
- (ii) Thickness + 10%
- (iii) Weight Single Tube + 10%
- 10 tonne lots + 7.5%

APPLICATIONS

- Structural Purposes

Steel Tubes for Water and Sewage Purposes
conforming to IS : 3589 : 2001 (Grade Fe 330
Fe 410 and Fe 450



| Outside Diameter mm | Wall Thickness mm | Weight (Plain End) | |
|------------------------|----------------------|-----------------------|---------|
| | | kg/m | m/tonne |
| 168.3 | 2.6 | 10.6 | 94 |
| | 3.2 | 12.0 | 83 |
| | 4.0 | 16.2 | 62 |
| | 4.5 | 18.2 | 55 |
| 219.1 | 2.6 | 13.9 | 72 |
| | 3.6 | 19.1 | 52 |
| | 4.5 | 23.8 | 42 |
| | 6.3 | 33.1 | 30 |
| 273 | 3.6 | 23.9 | 42 |
| | 4.0 | 26.5 | 38 |
| | 5.0 | 33.0 | 30 |
| | 6.3 | 41.1 | 24 |
| 323.9 | 4.0 | 31.8 | 31 |
| | 4.5 | 35.4 | 28 |
| | 5.6 | 44.0 | 23 |
| | 7.1 | 55.5 | 18 |
| 355.6 | 4.0 | 34.7 | 29 |
| | 5.0 | 43.2 | 23 |
| | 5.6 | 48.3 | 21 |
| | 8.0 | 68.6 | 15 |
| 406.4 | 4.0 | 39.7 | 25 |
| | 5.0 | 49.5 | 20 |
| | 6.3 | 62.2 | 16 |
| | 8.8 | 86.3 | 12 |

Physical Properties

| Grade | Y.S. Min | T.S. Min | % age Elongation Min |
|--------|----------|----------|----------------------------|
| FE 330 | 195 | 330 | 20 |
| FE 410 | 235 | 410 | 18 |
| FE 450 | 275 | 450 | 15 |

TOLERANCES

- Outside diameter of ERW pipe $\pm 0.75\%$
- Thickness $\pm 10\%$
- Unless otherwise specified,
Lengths are in single random
lengths from 4 to 7 meters and
double random lengths from 7 to 14 meters.

Note : Sizes other than specified above may be
supplied as per customer

APPLICATIONS :

- Water Line Purpose
- Sewage Lines Purpose



Steel Tubes For Water Wells (Casing Pipes)
Conforming to IS : 4270:2001
Fe 410 and Fe 450



| N.B. and Series | Outside Diameter | Thick ness | Nominal Weight Black Tubes Plain End |
|-----------------|------------------|------------|--------------------------------------|
| mm | mm | mm | kg/m |
| 100 | 114.3 | 5.0 | 13.48 |
| 125 | 141.3 | 5.0 | 16.80 |
| 150 | 168.3 | 5.0 | 20.13 |
| 175 | 193.7 | 5.4 | 25.10 |
| 200 | 219.1 | 5.4 | 28.46 |
| 225 | 244.5 | 6.0 | 35.29 |
| 250 | 273.1 | 7.1 | 46.57 |
| 300 | 323.9 | 7.1 | 55.47 |
| 350 | 355.6 | 8.0 | 68.57 |
| 350 | 355.6 | 10.0 | 85.22 |
| 350 | 355.6 | 12.0 | 101.67 |
| 400 | 406.4 | 8.0 | 78.60 |
| 400 | 406.4 | 10.0 | 97.75 |
| 400 | 406.4 | 12.0 | 116.71 |

Physical Properties

| Grade | Y.S. (MIN) MPa | T.S. (MIN) Mpa | %age Elongation Mn |
|-------|----------------|----------------|--------------------|
| FE410 | 235 | 410 | 15 |
| FE450 | 275 | 450 | 13 |

TOLERANCES

- a. Outside Diameter ±1.0%
- b. Thickness +15%
Upto 406.4 mm OD - 12.5%
- c. Weight + 10%
Single Tube - 8%
- d. Length unless otherwise specified 4 to 7 mtrs

APPLICATIONS

- Water Wells Casing Purpose



Steel Tubes use for Special Engineering Purpose As Per IS 9295/1983

| Outside Diameter (OD) | Thickness | Weight | | Outside Diameter (OD) | Thickness | Weight | | |
|-----------------------|-----------|---------|-----------|-----------------------|-----------|---------|-----------|----|
| | | kg/mtr. | Mtr/tonne | | | kg/mtr. | Mtr/tonne | |
| 63.5 | 3.65 | 5.39 | 186 | 139.7 | 4.50 | 15.00 | 67 | |
| | 4.50 | 6.55 | 153 | | 4.85 | 16.13 | 62 | |
| 76.1 | 3.65 | 6.52 | 153 | | 5.40 | 17.89 | 56 | |
| | 4.50 | 7.95 | 126 | | 6.30 | 20.73 | 48 | |
| 88.9 | 4.05 | 8.47 | 118 | | 152.4 | 4.50 | 16.40 | 61 |
| | 4.85 | 10.05 | 100 | | | 4.85 | 17.65 | 57 |
| | 6.30 | 12.83 | 78 | 5.40 | | 19.58 | 51 | |
| 101.6 | 4.05 | 9.74 | 103 | 159.0 | 6.30 | 22.70 | 44 | |
| | 4.85 | 11.57 | 86 | | 4.50 | 17.10 | 58 | |
| | 6.30 | 14.81 | 68 | | 4.85 | 18.44 | 54 | |
| 108.0 | 4.05 | 10.38 | 96 | 165.1 | 5.40 | 20.46 | 47 | |
| | 4.85 | 12.34 | 81 | | 6.30 | 23.72 | 42 | |
| | 6.30 | 15.80 | 63 | | 4.50 | 17.80 | 56 | |
| 114.3 | 4.50 | 12.19 | 82 | 168.3 | 4.85 | 19.17 | 52 | |
| | 5.40 | 14.50 | 69 | | 5.40 | 21.27 | 47 | |
| | 6.30 | 16.78 | 60 | | 6.30 | 24.67 | 41 | |
| 120.0 | 4.50 | 12.82 | 78 | 193.7 | 4.50 | 18.20 | 55 | |
| | 5.40 | 15.26 | 66 | | 4.85 | 19.55 | 51 | |
| | 6.30 | 17.67 | 57 | | 5.40 | 21.69 | 46 | |
| 127.0 | 4.50 | 13.60 | 74 | 219.1 | 6.30 | 25.17 | 40 | |
| | 4.85 | 14.61 | 68 | | 5.40 | 25.10 | 40 | |
| | 5.40 | 16.19 | 62 | | 6.30 | 29.12 | 34 | |
| | 6.30 | 18.75 | 53 | | 7.10 | 32.67 | 31 | |
| 133.0 | 4.50 | 14.30 | 70 | | 5.40 | 28.50 | 35 | |
| | 4.85 | 15.33 | 65 | | 6.30 | 33.06 | 30 | |
| | 5.40 | 16.99 | 59 | | 7.10 | 37.12 | 27 | |
| | 6.30 | 19.69 | 51 | | | | | |

TOLERANCES :

| | |
|---------------------------|--------|
| A) Ovality | |
| Below 168.3 | 0.5mm |
| Including 168.3mm & above | 1.0mm |
| B) Eccentricity | 5% Max |
| C) Mass | |
| I) Single Tube | ± 10% |
| II) Per Load of 10 M.T | ± 7.5% |
| D) Outside Diameter | ± 0.8% |

| | |
|-----------------|----------------------|
| E) Thickness | ± 10% |
| F) Straightness | 1/1000 of any length |
| G) length | |
| I) Random | 4 to 7 Mtr. |
| II) Exact | (+)6mm (-)0mm |

APPLICATIONS

- Conveyor & Idler Applications

HOLLOW SECTION STEEL TUBE



AST which covers MS Black, G.I. Round pipes and Hollow Sections both in Rectangular and Square Quality rolled on High Frequency Induct weld HFIW mills.

Steel Tubes use for structures Purpose IS 4923 / 2017

| Size | Thickness | | | | | | | | | | | | | | | | | | | | | |
|-----------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 0.6 | 0.7 | 0.8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.5 | 2.8 | 3.0 | 3.2 | 3.6 | 4.0 | 4.5 | 5.0 | 5.4 | 6.0 | 8.0 | |
| 10x10 | | | | | | | | | | | | | | | | | | | | | | |
| 12x12 | | | | | | | | | | | | | | | | | | | | | | |
| 15x15 | | | | | | | | | | | | | | | | | | | | | | |
| 19x19 | | | | | | | | | | | | | | | | | | | | | | |
| 20x20 | | | | | | | | | | | | | | | | | | | | | | |
| 25x25 | | | | | | | | | | | | | | | | | | | | | | |
| 30x30 | | | | | | | | | | | | | | | | | | | | | | |
| 32x32 | | | | | | | | | | | | | | | | | | | | | | |
| 35x35 | | | | | | | | | | | | | | | | | | | | | | |
| 38x38 | | | | | | | | | | | | | | | | | | | | | | |
| 40x40 | | | | | | | | | | | | | | | | | | | | | | |
| 45x45 | | | | | | | | | | | | | | | | | | | | | | |
| 50x50 | | | | | | | | | | | | | | | | | | | | | | |
| 60x60 | | | | | | | | | | | | | | | | | | | | | | |
| 65x65 | | | | | | | | | | | | | | | | | | | | | | |
| 70x70 | | | | | | | | | | | | | | | | | | | | | | |
| 72x72 | | | | | | | | | | | | | | | | | | | | | | |
| 80x80 | | | | | | | | | | | | | | | | | | | | | | |
| 90x90 | | | | | | | | | | | | | | | | | | | | | | |
| 91.5x91.5 | | | | | | | | | | | | | | | | | | | | | | |
| 100x100 | | | | | | | | | | | | | | | | | | | | | | |
| 113x113 | | | | | | | | | | | | | | | | | | | | | | |
| 120x120 | | | | | | | | | | | | | | | | | | | | | | |
| 135x135 | | | | | | | | | | | | | | | | | | | | | | |
| 150x150 | | | | | | | | | | | | | | | | | | | | | | |
| 250x250 | | | | | | | | | | | | | | | | | | | | | | |

| Size | Thickness | | | | | | | | | | | | | | | | | | | | | |
|-------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 0.6 | 0.7 | 0.8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.5 | 2.8 | 3.0 | 3.2 | 3.6 | 4.0 | 4.5 | 5.0 | 5.4 | 6.0 | 8.0 | |
| 25x12 | | | | | | | | | | | | | | | | | | | | | | |
| 25x13 | | | | | | | | | | | | | | | | | | | | | | |
| 30x20 | | | | | | | | | | | | | | | | | | | | | | |
| 32x15 | | | | | | | | | | | | | | | | | | | | | | |
| 40x10 | | | | | | | | | | | | | | | | | | | | | | |
| 40x20 | | | | | | | | | | | | | | | | | | | | | | |
| 40x30 | | | | | | | | | | | | | | | | | | | | | | |
| 40x25 | | | | | | | | | | | | | | | | | | | | | | |
| 45x35 | | | | | | | | | | | | | | | | | | | | | | |
| 50x10 | | | | | | | | | | | | | | | | | | | | | | |
| 50x25 | | | | | | | | | | | | | | | | | | | | | | |
| 50x30 | | | | | | | | | | | | | | | | | | | | | | |
| 50x40 | | | | | | | | | | | | | | | | | | | | | | |
| 60x20 | | | | | | | | | | | | | | | | | | | | | | |
| 60x30 | | | | | | | | | | | | | | | | | | | | | | |
| 60x40 | | | | | | | | | | | | | | | | | | | | | | |
| 71.75x55.75 | | | | | | | | | | | | | | | | | | | | | | |
| 75x25 | | | | | | | | | | | | | | | | | | | | | | |
| 66x33 | | | | | | | | | | | | | | | | | | | | | | |
| 80x20 | | | | | | | | | | | | | | | | | | | | | | |
| 80x30 | | | | | | | | | | | | | | | | | | | | | | |
| 80x40 | | | | | | | | | | | | | | | | | | | | | | |
| 80x50 | | | | | | | | | | | | | | | | | | | | | | |
| 90x60 | | | | | | | | | | | | | | | | | | | | | | |
| 95x25 | | | | | | | | | | | | | | | | | | | | | | |
| 96x48 | | | | | | | | | | | | | | | | | | | | | | |
| 100x50 | | | | | | | | | | | | | | | | | | | | | | |
| 122x61 | | | | | | | | | | | | | | | | | | | | | | |
| 130x73 | | | | | | | | | | | | | | | | | | | | | | |
| 145x82 | | | | | | | | | | | | | | | | | | | | | | |
| 200x100 | | | | | | | | | | | | | | | | | | | | | | |

TOLERANCES

The following tolerances shall be permitted on Hollow section

- A) Thickness $\pm 10\%$
- B) Outside Dimension of sides $\pm 1\%$
With a minimum of $\pm 0.5\text{mm}$

C) Weight

- 1. On individual lengths

+ 10%
- 8%

- 2. On lots of 10 tonne

$\pm 7.5\%$

D) Squareness of Corner

$90^\circ \pm 02^\circ$

E) Radius of Corner outside $R=3T$ Max, where T is the thickness of the section.

APPLICATIONS

- Machine Equipment
- Agricultural Equipment
- Furniture
- Earth Moving Equipment
- Automotive Parts
- Fencing / Railing

PRE-GALVANISED STEEL TUBE



We are offering a distinguished assortment of Pre-Galvanised Round, square and Rectangular pipe. The offered range finds extended applications in several industries. Our offered tube is immensely popular in the market, owing to its high strength, corrosion resistance and durability. Clients can avail of this tube can be availed in various sizes and dimensions as per their different requirements.

Pre-Galvanised Round Pipes

| Size | Thickness | | | | | | | | | | | | | |
|-------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.5 | 2.8 | 3.0 |
| 9.5 | | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | | |
| 12.7 | | | | | | | | | | | | | | |
| 13.5 | | | | | | | | | | | | | | |
| 14.0 | | | | | | | | | | | | | | |
| 15.88 | | | | | | | | | | | | | | |
| 17.20 | | | | | | | | | | | | | | |
| 18.50 | | | | | | | | | | | | | | |
| 19.05 | | | | | | | | | | | | | | |
| 21.30 | | | | | | | | | | | | | | |
| 22.23 | | | | | | | | | | | | | | |
| 24.00 | | | | | | | | | | | | | | |
| 25.4 | | | | | | | | | | | | | | |
| 26.9 | | | | | | | | | | | | | | |
| 28.58 | | | | | | | | | | | | | | |
| 30.4 | | | | | | | | | | | | | | |
| 31.75 | | | | | | | | | | | | | | |
| 33.7 | | | | | | | | | | | | | | |
| 38.1 | | | | | | | | | | | | | | |
| 40.0 | | | | | | | | | | | | | | |
| 41.3 | | | | | | | | | | | | | | |
| 42.4 | | | | | | | | | | | | | | |
| 44.5 | | | | | | | | | | | | | | |
| 48.3 | | | | | | | | | | | | | | |
| 50.8 | | | | | | | | | | | | | | |
| 52.0 | | | | | | | | | | | | | | |
| 54.0 | | | | | | | | | | | | | | |
| 55.0 | | | | | | | | | | | | | | |
| 57.15 | | | | | | | | | | | | | | |
| 60.3 | | | | | | | | | | | | | | |
| 63.5 | | | | | | | | | | | | | | |
| 66.0 | | | | | | | | | | | | | | |
| 70.0 | | | | | | | | | | | | | | |
| 72.0 | | | | | | | | | | | | | | |
| 73.0 | | | | | | | | | | | | | | |
| 75.0 | | | | | | | | | | | | | | |
| 76.1 | | | | | | | | | | | | | | |
| 81.3 | | | | | | | | | | | | | | |
| 84.0 | | | | | | | | | | | | | | |
| 88.9 | | | | | | | | | | | | | | |



Pre-Galvanised Square Pipes

| Size | Thickness | | | | | | | | | | | | | |
|-------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.5 | 2.8 | 3.0 |
| 10x10 | | | | | | | | | | | | | | |
| 12x12 | | | | | | | | | | | | | | |
| 15x15 | | | | | | | | | | | | | | |
| 19x19 | | | | | | | | | | | | | | |
| 20x20 | | | | | | | | | | | | | | |
| 25x25 | | | | | | | | | | | | | | |
| 30x30 | | | | | | | | | | | | | | |
| 32x32 | | | | | | | | | | | | | | |
| 35x35 | | | | | | | | | | | | | | |
| 38x38 | | | | | | | | | | | | | | |
| 40x40 | | | | | | | | | | | | | | |
| 45x45 | | | | | | | | | | | | | | |
| 50x50 | | | | | | | | | | | | | | |
| 60x60 | | | | | | | | | | | | | | |

Pre-Galvanised Rectangular Pipes

| Size | Thickness | | | | | | | | | | | | | |
|-------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.5 | 2.8 | 3.0 |
| 25x12 | | | | | | | | | | | | | | |
| 25x13 | | | | | | | | | | | | | | |
| 30x20 | | | | | | | | | | | | | | |
| 32x15 | | | | | | | | | | | | | | |
| 40x10 | | | | | | | | | | | | | | |
| 40x20 | | | | | | | | | | | | | | |
| 40x30 | | | | | | | | | | | | | | |
| 40x25 | | | | | | | | | | | | | | |
| 45x35 | | | | | | | | | | | | | | |
| 50x10 | | | | | | | | | | | | | | |
| 50x25 | | | | | | | | | | | | | | |
| 50x30 | | | | | | | | | | | | | | |
| 50x40 | | | | | | | | | | | | | | |
| 60x40 | | | | | | | | | | | | | | |
| 60x30 | | | | | | | | | | | | | | |
| 71.75x55.75 | | | | | | | | | | | | | | |
| 75x25 | | | | | | | | | | | | | | |
| 80x20 | | | | | | | | | | | | | | |
| 80x30 | | | | | | | | | | | | | | |
| 80x40 | | | | | | | | | | | | | | |
| 80x50 | | | | | | | | | | | | | | |
| 96x48 | | | | | | | | | | | | | | |

APPLICATIONS

- Solar Mounting Structures
- Cabling and Ducting
- Fencing / Railing
- Greenhouse Structures
- Gates and Grills
- Electrical Conduit



COLD ROLLED FULL HARD TUBES



We are manufactures the highest quality Cold Rolled Full Hard Pipe made from CRFH Coils. Our CRFH pipes provide the highest level of strength and are excellent in tolerance properties. We provide these pipes in various finishes as per the customer's requirement.

Cold Rolled Full Hard Round Pipes

| Size | Thickness | | | | | | | | |
|-------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 |
| 9.5 | | | | | | | | | |
| 10.5 | | | | | | | | | |
| 12.7 | | | | | | | | | |
| 13.5 | | | | | | | | | |
| 14.0 | | | | | | | | | |
| 15.88 | | | | | | | | | |
| 17.20 | | | | | | | | | |
| 18.50 | | | | | | | | | |
| 19.05 | | | | | | | | | |
| 21.3 | | | | | | | | | |
| 22.23 | | | | | | | | | |
| 25.4 | | | | | | | | | |
| 26.9 | | | | | | | | | |
| 28.58 | | | | | | | | | |
| 30.4 | | | | | | | | | |
| 31.75 | | | | | | | | | |
| 33.7 | | | | | | | | | |
| 38.1 | | | | | | | | | |
| 40.0 | | | | | | | | | |
| 41.28 | | | | | | | | | |
| 42.4 | | | | | | | | | |
| 44.5 | | | | | | | | | |
| 48.3 | | | | | | | | | |
| 50.8 | | | | | | | | | |
| 52.0 | | | | | | | | | |
| 54.0 | | | | | | | | | |
| 55.0 | | | | | | | | | |
| 57.15 | | | | | | | | | |
| 60.3 | | | | | | | | | |
| 63.5 | | | | | | | | | |
| 66.0 | | | | | | | | | |
| 70.0 | | | | | | | | | |
| 72.0 | | | | | | | | | |
| 73.0 | | | | | | | | | |
| 75.0 | | | | | | | | | |
| 76.1 | | | | | | | | | |
| 81.3 | | | | | | | | | |
| 84.0 | | | | | | | | | |
| 88.9 | | | | | | | | | |



Cold Rolled Full Hard Square Pipes

| Size | Thickness | | | | | | | | |
|-------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 |
| 10x10 | | | | | | | | | |
| 12x12 | | | | | | | | | |
| 15x15 | | | | | | | | | |
| 19x19 | | | | | | | | | |
| 20x20 | | | | | | | | | |
| 25x25 | | | | | | | | | |
| 30x30 | | | | | | | | | |
| 32x32 | | | | | | | | | |
| 35x35 | | | | | | | | | |
| 38x38 | | | | | | | | | |
| 40x40 | | | | | | | | | |
| 45x45 | | | | | | | | | |
| 50x50 | | | | | | | | | |
| 60x60 | | | | | | | | | |

Cold Rolled Full Hard Rectanular Pipes

| Size | Thickness | | | | | | | | |
|-------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 |
| 25x12 | | | | | | | | | |
| 25x13 | | | | | | | | | |
| 30x20 | | | | | | | | | |
| 40x20 | | | | | | | | | |
| 40x30 | | | | | | | | | |
| 40x25 | | | | | | | | | |
| 45x35 | | | | | | | | | |
| 50x10 | | | | | | | | | |
| 50x20 | | | | | | | | | |
| 50x25 | | | | | | | | | |
| 50x30 | | | | | | | | | |
| 50x40 | | | | | | | | | |
| 60x20 | | | | | | | | | |
| 60x30 | | | | | | | | | |
| 60x40 | | | | | | | | | |
| 71.75x55.75 | | | | | | | | | |
| 75x25 | | | | | | | | | |
| 66x33 | | | | | | | | | |
| 80x20 | | | | | | | | | |
| 80x30 | | | | | | | | | |
| 80x40 | | | | | | | | | |
| 80x50 | | | | | | | | | |
| 95x25 | | | | | | | | | |
| 96x48 | | | | | | | | | |



APPLICATIONS

- Automotive Parts
- Electrical Motors
- Racking/Shelving
- Water Heaters, Pools
- Commercial Doors
- Greenhouse Structures
- Fencing / Railing



PRECISION TUBES



AST is an Indian pioneer in making precision tubes with new advanced facilities and processes. Producing and developing tubes for automotive and energy applications, AST is a name that spells unconditional commitment, quality, productivity and innovation.

Conforming to IS : 3074/3601

| Size | Thickness | | | | | | | | | | | | | | | | | | | |
|-------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.5 | 2.8 | 3.0 | 3.2 | 3.6 | 4.0 | 4.5 | 5.0 | 5.4 |
| 9.5 | | | | | | | | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | | | | | | | | |
| 12.7 | | | | | | | | | | | | | | | | | | | | |
| 13.5 | | | | | | | | | | | | | | | | | | | | |
| 14.00 | | | | | | | | | | | | | | | | | | | | |
| 15.88 | | | | | | | | | | | | | | | | | | | | |
| 17.20 | | | | | | | | | | | | | | | | | | | | |
| 18.50 | | | | | | | | | | | | | | | | | | | | |
| 19.05 | | | | | | | | | | | | | | | | | | | | |
| 22.23 | | | | | | | | | | | | | | | | | | | | |
| 25.4 | | | | | | | | | | | | | | | | | | | | |
| 28.58 | | | | | | | | | | | | | | | | | | | | |
| 30.4 | | | | | | | | | | | | | | | | | | | | |
| 31.75 | | | | | | | | | | | | | | | | | | | | |
| 38.1 | | | | | | | | | | | | | | | | | | | | |
| 40.0 | | | | | | | | | | | | | | | | | | | | |
| 41.3 | | | | | | | | | | | | | | | | | | | | |
| 44.5 | | | | | | | | | | | | | | | | | | | | |
| 50.8 | | | | | | | | | | | | | | | | | | | | |
| 52.0 | | | | | | | | | | | | | | | | | | | | |
| 54.0 | | | | | | | | | | | | | | | | | | | | |
| 55.0 | | | | | | | | | | | | | | | | | | | | |
| 57.15 | | | | | | | | | | | | | | | | | | | | |
| 63.5 | | | | | | | | | | | | | | | | | | | | |
| 66.0 | | | | | | | | | | | | | | | | | | | | |
| 70.0 | | | | | | | | | | | | | | | | | | | | |
| 72.0 | | | | | | | | | | | | | | | | | | | | |
| 73.0 | | | | | | | | | | | | | | | | | | | | |
| 75.0 | | | | | | | | | | | | | | | | | | | | |
| 81.3 | | | | | | | | | | | | | | | | | | | | |
| 84.0 | | | | | | | | | | | | | | | | | | | | |
| 94.0 | | | | | | | | | | | | | | | | | | | | |
| 101.6 | | | | | | | | | | | | | | | | | | | | |
| 108.0 | | | | | | | | | | | | | | | | | | | | |
| 127.0 | | | | | | | | | | | | | | | | | | | | |

APPLICATIONS

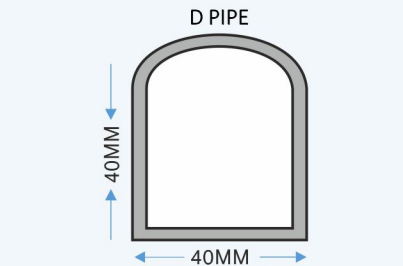
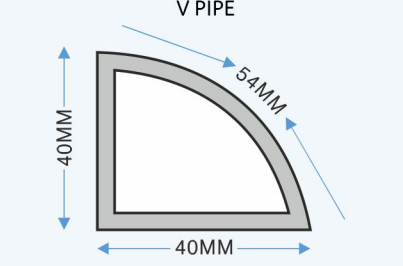
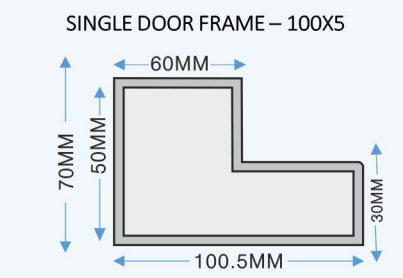
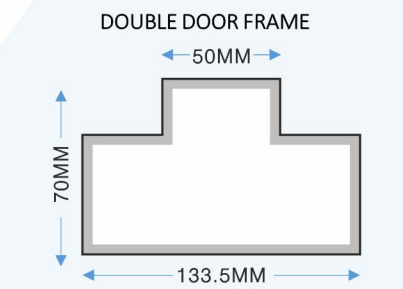
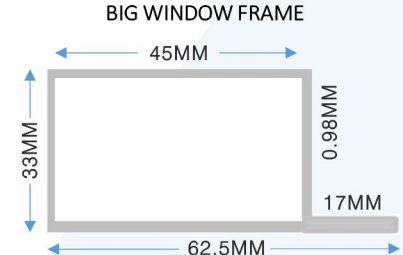
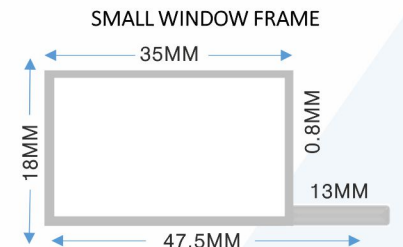
- Industrial Equipments
- Furniture
- Machinery Parts
- Fencing / Railing
- General Engineering Purpose
- Fan Rods
- Tubes for Discharge Electrodes
- Electrical Conduits & Components
- Bus Body Building
- Automobile Industry
- Bicycle Manufacturing
- Umbrella Tubes



Product Range of ERW Mild Steel, Pre-Galvanised & Hot Dip Galvanised Tubes & Pipes

| MS Round Pipes Fincut 9.50 OD to 406.4 OD | | MS Square Pipes | |
|--|--------------|-----------------|--------------|
| Outside Diameter (mm) | Thickness mm | Size | Thickness mm |
| 9.50 | 0.60-1.0 mm | 10x10 | 0.60-2.0mm |
| 10.00 | 0.60-1.2 mm | 12x12 | 0.60-2.0mm |
| 12.70 | 0.60-2.0 mm | 15x15 | 0.60-2.0mm |
| 13.50 | 0.80-2.0 mm | 19x19 | 0.60-2.0mm |
| 15.88 | 0.60-2.0 mm | 20x20 | 0.60-2.8mm |
| 14.00 | 0.60-2.0 mm | 25x25 | 0.60-3.0mm |
| 17.20 | 0.60-2.5 mm | 30x30 | 0.60-3.0 mm |
| 18.50 | 0.60-2.5 mm | 32x32 | 0.60-4.0 mm |
| 19.05 | 0.60-2.8 mm | 35x35 | 0.60-3.0 mm |
| 21.30 | 0.60-3.5 mm | 38x38 | 0.60-4.5 mm |
| 22.23 | 0.60-3.5mm | 40x40 | 0.60-4.5 mm |
| 25.40 | 0.60-4.0 mm | 45x45 | 0.60-4.5 mm |
| 26.90 | 0.60-4.0 mm | 50x50 | 0.70-5.0 mm |
| 28.58 | 0.60-4.0mm | 60x60 | 0.80-6.0 mm |
| 30.40 | 0.60-4.0 mm | 65x65 | 2.50-6.0 mm |
| 31.75 | 0.60-4.0 mm | 70x70 | 2.00-4.0 mm |
| 33.70 | 0.60-4.5mm | 72x72 | 2.50-6.0 mm |
| 38.10 | 0.60-5.0 mm | 80x80 | 2.00-6.0 mm |
| 40.00 | 0.60-5.0 mm | 90x90 | 2.50-6.0 mm |
| 41.28 | 0.60-4.0 mm | 91.5x91.5 | 2.50-6.0 mm |
| 42.40 | 0.60-5.0 mm | 100x100 | 2.5-8.0 mm |
| 44.50 | 0.60-4.0 mm | 113x113 | 2.5-6.0 mm |
| 48.30 | 0.60-5.0 mm | 120x120 | 2.5-6.0 mm |
| 50.80 | 0.70-5.0 mm | 135x135 | 3.0-6.0mm |
| 52.00 | 0.70-4.0 mm | 150x150 | 3.0-8.0 mm |
| 54.00 | 0.70-4.0 mm | 250x250 | 4.0-8.0 mm |
| 55.00 | 0.70-4.0 mm | | |
| 57.15 | 0.60-5.0 mm | | |
| 60.30 | 0.70-6.0 mm | | |
| 63.50 | 0.70-5.0 mm | | |
| 66.00 | 0.80-4.00 mm | | |
| 70.00 | 0.80-5.0 mm | | |
| 72.00 | 0.90-4.0 mm | | |
| 73.00 | 0.90-8.0 mm | | |
| 75.00 | 0.90-8.0 mm | | |
| 76.10 | 0.80-8.0 mm | | |
| 81.25 | 1.20-3.2 mm | | |
| 84.00 | 1.20-4.5 mm | | |
| 88.90 | 1.20-8.0 mm | | |
| 94.00 | 2.8-8.0 mm | | |
| 101.60 | 1.80-8.0 mm | | |
| 108.00 | 2.00-8.0 mm | | |
| 114.30 | 2.0-8.0 mm | | |
| 127.00 | 1.6-8.0 mm | | |
| 133.00 | 2.5-8.0 mm | | |
| 139.70 | 2.8-9.0 mm | | |
| 141.30 | 2.8-9.0 mm | | |
| 152.40 | 2.5-8.0 mm | | |
| 154.00 | 1.8-2.5 mm | | |
| 159.00 | 3.0-8.0 mm | | |
| 165.10 | 2.8-10 mm | | |
| 168.30 | 2.8-10 mm | | |
| 193.70 | 3.0-10 mm | | |
| 219.10 | 3.0-10 mm | | |
| 273.00 | 3.6-10 mm | | |
| 323.90 | 3.0-10 mm | | |
| 355.60 | 4.0-10 mm | | |
| 406.40 | 4.0-10 mm | | |

| TUBES & PIPES ARE ALSO AVAILABLE IN SPECIAL GRADE LIKE YS-355, YS-450 & YS-550. | |
|---|--------------|
| MS Rectangular Pipes | |
| Size | Thickness mm |
| 25x12 | 0.60-2.0 mm |
| 25x13 | 0.60-2.5 mm |
| 32x15 | 0.60-2.5 mm |
| 30x20 | 0.60-2.0mm |
| 40x10 | 0.60-2.5mm |
| 40x20 | 0.60-3.5mm |
| 40x30 | 0.60-3.0 mm |
| 40x25 | 0.60-3.0 mm |
| 45x35 | 0.60-3.0 mm |
| 50x10 | 0.60-3.0 mm |
| 50x20 | 0.60-3.0 mm |
| 50x25 | 0.60-4.0 mm |
| 50x30 | 0.60-3.0 mm |
| 50x40 | 0.60-3.0 mm |
| 60x40 | 0.70-4.0 mm |
| 60x20 | 1.20-2.5 mm |
| 60x30 | 0.70-3.0 mm |
| 70x40 | 1.00-4.0 mm |
| 71.75x55.75 | 1.20-3.0 mm |
| 75x25 | 0.70-3.0 mm |
| 66x33 | 1.80-4.0 mm |
| 80x20 | 0.80-3.0 mm |
| 80x30 | 0.80-3.0 mm |
| 80x40 | 0.80-4.0 mm |
| 80x50 | 0.80-3.0 mm |
| 90x60 | 2.00-6.0 mm |
| 95x25 | 0.80-3.0 mm |
| 96x48 | 1.20-6.0 mm |
| 100x50 | 1.20-4.0 mm |
| 100x80 | 3.00-6.0 mm |
| 122x61 | 2.50-5.4 mm |
| 130x73 | 2.50-4.50 mm |
| 145x82 | 2.50-6.0 mm |
| 200x100 | 3.00-6.0 mm |



| Oval Sizes | 16x10 |
|------------|--------|
| | 25x17 |
| | 35x15 |
| | 150x50 |

| Special Sizes | |
|---------------|---------------|
| P -Pipe | Small Window |
| C-Pipe | Big Window |
| V-PIPE | Single Door |
| SMALL D | Double Door |
| BIG D | Angular Tubes |

COLD ROLLED SHEETS & COILS

Cold Rolled steel (CR) Strips / Coils

with the growing demand of cold rolled strips and sheets, Gaurang has started manufacturing CR coils and strips in year 2003 with annual capacity of 1 lac MT annum in various sizes and thickness.

On line stringent quality checks ensure the tolerances and dimension for sophisticated applications

CR production plant consists of 4 HI and cold rolling mills along with bell furnaces, Skin pass, slitting, cut to length and testing facilities.

Products Range

- CRCA strips with low carbon
- Medium carbon steel
- High strength low alloy steel
- Semi Processed unalloyed electrical
- Hot rolled oiled & picketed steel

CR Strips : Mild Steel in drawing, Deep drawing, Extra deep drawing grades medium and high carbon, SAE 1020, if steel, High Tensile steel (SPC-370-440)

Specifications : IS 513, BS 1449, JIS G3141, IS 7226 and equivalent, SPCC, SPCCD, SPCE

Strip Width : 12mm to 1250mm

Strip Thickness : 0.3mm to 3.2mm

Coil Weight : 2-17 kg/mm width

Coils Diameter : Internal 400mm & 500mm External 1700mm (max)

Cut to Length Sheet : Length 350mm width 40mm to 1250mm thickness 0.40mm to 3.2mm

Surface Finish : Bright suitable for most purpose & recommended for electro plating with light mat-surface is suitable for deep drawing and for painting. bright finish, dull finish, matt finish



GALVANISED COILS

GAURANG PRODUCTS PVT. LTD. produces world-class galvanized steel products in its galvanizing. The products offer excellent properties such as corrosion resistance, good service life, excellent surface finish, and close dimensional tolerances.

Benefits

- Excellent surface finish for superior paintability
- Consistency in quality

Applications

- Construction: Steel framing, false ceilings, sandwich panels, ducting, decking, purlin, HVAC applications
- While Goods: Refrigerators, deep freezers, washing machines, air coolers
- Automotive: Auto internal components, bus bodies
- Furniture: Office equipment
- Containers: Grain silos, drum & barrels
- Crash Guards / Hand Rails

Features

- Uniform zinc coating in the range of 80-600 GSM
- Spangles: Zero/Regular/Minimised/Suppressed
- With and without tension leveling
- Passivation: Chromatid (Hexavalent /Trivalent)
- Oiling: 100-1,000 GSM
- Winding: Controlled/Staggered (+/-5 to +/-15mm)
- Coil Id: 508/610mm

Supply Condition

- Coil / Slits / Sheet for

Dimensions

GP COIL:

Thickness: 0.20-1.6mm

Width: 600-1,350mm

GP SHEET FORM:

Thickness: 0.5-1.6mm

Width: 600-1,350mm

Length: 1000mm to 3,500mm

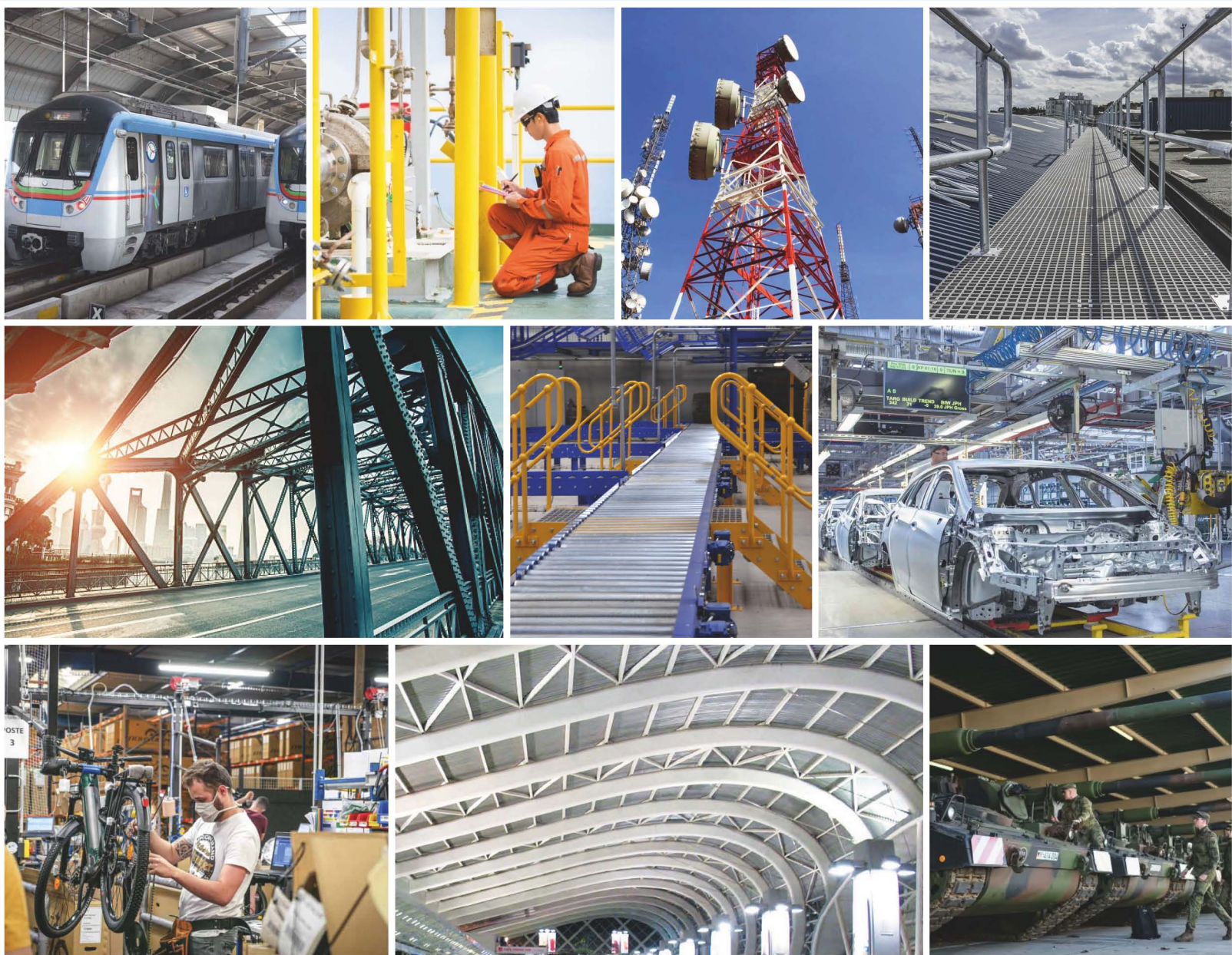


Equivalent Standards of Tubes with Applications

| S.No. | Standard End Use | Indian | British/European | American | Japanese | German | Australian |
|-------|--------------------------------------|-------------|------------------------------------|------------|------------|-------------------------|------------|
| 1. | Water, Gas, Steam | IS-1239 | BS-1387 EN-10255 | ASTM A-53 | ---- | DIN-2439 2440 & 2441 | AS 1074 |
| 2. | Water, Sewage | IS-3589 | BS-5534 | ---- | ---- | ---- | ---- |
| 3. | Structural, Scaffolding | IS-1161 | BS-1139, 6323 EN-39 EN-10219 | ASTM A-500 | JIS G 3444 | ---- | AS 1163 |
| 4. | Idlers, Belt Conveyers | IS-9295 | BS-6323 | ASTM A-513 | ---- | ---- | ---- |
| 5. | Water Wells, Casing | IS-4270 | BS-879 | ---- | ---- | ---- | ---- |
| 6. | Sectional Tubes (Sq. & Rect.) | IS-4923 | ---- | ASTM A-500 | JIS G 3466 | DIN-2395 | AS 1163 |
| 7. | Furniture Tube | IS-7138 | ---- | ---- | JIS G 3445 | ---- | ---- |
| 8. | Oil Pipes / Pressure | IS/ISO-3183 | EN-10217 | API5L | JIS G 3452 | DIN-17177 | ---- |
| 9. | Mechanical Application | IS-3601 | BS-6323 | ---- | JIS G 3445 | DIN-2393 | ---- |
| 10. | Hydro Carbon & Process Industries | IS-6286 | ---- | ---- | ---- | ---- | ---- |
| 11. | Boiler & APH Tubes | ---- | BS: 3059, 6323 | ---- | ---- | ---- | ---- |



APPLICATIONS OF AST PIPES



Manufacturing & Correspondence Address
Unit-I

A.S.T PIPES (P) LIMITED
B-33 Buland Shahr Road,
Industrial Area, Ghaziabad-201001
Uttar Pradesh, India
Phone : +91 (120)-4901772
E-mail : info@astpipes.in
Website : www.astpipes.in

Unit-II

GAURANG PRODUCTS PVT. LTD.
Plot No. 10, South Side G.T. Road,
BulandShahar Road, Industrial Area,
Ghaziabad (U.P.) India
Website : www.gaurang.co.in