



» ABOUT US

FALCON is widely popular in Bangladesh for the best grade MS, GI & EM products. A dream of Retd. Major General Amjad Khan Chowdhury to make Bangladesh stronger by its own capacity lead RFL Group to a new horizon. In 1981 with a vision to leveraging the farmer in irrigation as well as ensuring to contribute to the development of mankind through endless innovation and development in technology, RFL started its journey.

As the leading largest steel pipe manufacturer, RFL Group is devoted to ensure every solution from giant pipe to wire. Based on the vision of globalization, FALCON is ensuring Japanese sheet and high-end engineering concepts to shape the dream into reality. We believe in this culture of innovation by putting research and development at the heart of our operations. The country's brightest engineers are endlessly solving the most complex piping requirements.

With more than 60,000 employees we are a community that is driven by an entrepreneurial spirit and passion for excellence. We're committed to ensure low carbon emission, and a greener world for tomorrow.

Our Goal - To build a better world with smarter steel pipes.

Our Promise - To become one of the reliable metal industries around the world by providing better quality and perfect performance.

» INTRODUCTION

- Factory is situated at Olipur, Shayestaganj, Habiganj on the Dhaka-Sylhet highway.
- Factory is around 1.5 lac sq ft. This is the largest MS & GI plant in Bangladesh.
- The factory consists of 10 mills - 4 for MS pipe, 4 for furniture tube, 1 for hollow box and 1 for bike tube production.
- Using all modern technology.
- The factory has its own power generation system, ultra-modern lab facilities and 24/7 active fire service convenience.

» Features:

- Japanese Industrial Standards (JIS) maintained for raw materials sourcing.
- First time in Bangladesh fully Automated GI mill, that's why never found any leakage.
- Accurate thickness & length (BDS 1031:2006 & ISO 9001:2015 – MS & GI Pipe).
- High pressure resistance, durability and longevity.
- Best quality product ever in Bangladesh due to full automation process.
- BUET certified.
- Superior finishing, bendability, ease of cutting and threading.
- Weld consistency and integrity.
- Anti-rust coating to GI pipe.

» Uses:

- Industries.
- Oil and Gas Transmissions.
- Water and Sewage.
- Commercial and Residential building.
- Boring.
- Structural purpose.

» QUALITY POLICY

Consistent with the corporate objective, we are committed to producing value for all of our stakeholders by continuously enhancing the efficacy of our quality system and processes through innovations and the involvement of all of our workers.

We will continue to strive for excellence in all aspects of our operations in order to improve the quality of life in the communities we serve. Our goals will be as follows:

- Produce and deliver products that meet or exceed the expectations of the client while adhering to national or international standards.
- Improve employees' knowledge and abilities in order to effectively execute a quality management system (QMS).

» OUR TESTING FACILITIES



» MS & GI LABORATORY ARRANGEMENT

- Hydraulic Universal Testing Machine
- Chemical Composition Test
- Hydrostatic Pressure Test
- Bend Test
- Flattening Test

» Hydraulic Universal Testing Machine

This machine is mainly used for the tensile test of metal materials and components, testing Tensile Strength, Yield Strength, Stipulated Plastic Extension Strength, Elasticity Modulus, Percentage Elongation after fracture and other mechanical performance indices.

To ensure the quality of pipes for which they will be used, this machine determines the percentage of elongation, maximum sustainable load, yield load, tensile stress, break point, and so on of MS & GI pipes.



Pic : Universal Testing Machine

» Chemical Composition Test

We use Spectrometer for the following chemical composition tests:

- Carbon
- Sulphur
- Phosphorous
- Manganese
- Silicon
- Hydrostatic Pressure Test



Pic- Spectrometer

» Hydrostatic Pressure Test

Hydrostatic pressure test is a test in which the pipe or other component is pressurized to evaluate its integrity. This test is used to evaluate the structural integrity and determining the sustainability of MS & GI pipes at standard pressure specified. This test reduces the risk of crack growth and brittle fracture after the hydro test when the pipe is placed in service.



Pic- Hydrostatic Pressure Test Machine

» Bending Test

Non-galvanized pipes should be capable of bending without cracking through 180° roundness.

Galvanized pipes should be capable of bending without cracking through 90° roundness



Pic- Bending Testing Machine

» Flattening Test

No opening shall occur by fracture in a weld until the distance between the plates is less than 75% of original outside diameter of the pipe. No cracks or breaks in the metal elsewhere than in a weld shall occur until the distance between the plates is less than 60% of the outside diameter.



Pic- Universal Testing Machine

» OUR CREDENTIALS

It is our pleasure that we have got several recognitions from both local and international organization as the best business enterprise through sustainable growth.



National Export Trophy
Received by Honorable Managing Director, RFL Group



Dear Concern,

We are the leading manufacturer and supplier of Steel sheet, coil, H-beam, wire rod, etc and galvanized since 2003, our customer have been covered all of Asia market, Africa market, South America, Middle East, Oceania market and exported 22 countries in the global world such as Japan, Korea, Thailand, Vietnam, Myanmar, Bangladesh, Pakistan, United Arab Emirates, Australia, Malaysia, Philippines and so on. We have won best reputation from our customer domestic and abroad.

Rizhao Steel located at Lanshan District, Rizhao City. It has become an integrated enterprise group with a combination of sintering, pellet, iron-making, steel-making, rolling, oxygen-making, power generating, and well-equipped facilities. Rizhao Steel owns the first ESP production line in China. Which is the first time in the world bulk endless hot rolling of 0.6-2.0mm extra thin plates. Besides the main production.

Through the Performance Excellence Model of Internationalization, it perfectly integrates the GB/T19001, GB/T24001 and GB/T28001 into an effective entirety. The company also has been awarded the certificates for ISO9000, ISO14000 and ISO18000. The ship building plates are approved by the classification societies of nine countries, including China, America, Britain and Germany. The hot rolled coil has obtained the EU CE certificate and the deformed bar has been certified by Korean KS.

We're in partnership with RANGPUR METAL INDUSTRIES LTD.(UNIT -3) P RAN RFL Group, Bangladesh, since 2016 in HRC product with maintaining SPHT -1 grade and JS G3132 Standard.

- Company's origins : China
- Its formative years in the industry : 2003
- The key achievements : Top 500 Chinese Private Enterprises
- The biggest clients etc. : Clients all over the world
- Business with RFL Group, Bangladesh : Since 2016
- The materials (grade, standard etc.) supplied to RFL Group, Bangladesh: SPHT1 grade and JS G3132 Standard

George Wang



To
Md. Sharif
RFL Group
Bangladesh

Date: 18/04/2021

Sub: A brief about Tata Steel and its business with RFL

Company Origin - Achievements: Tata Steel Group is among the top global steel companies with an annual crude steel capacity of 34 million tonnes per annum. It is one of the world's most geographically diversified steel producers, with operations and commercial presence across the world. The group (excluding SEA operations) recorded a consolidated turnover of US \$19.7 billion in the financial year ending March 31, 2020. A Great Place to Work-Certified™ organisation, Tata Steel Ltd., together with its subsidiaries, associates and joint ventures, is spread across five continents with an employee base of over 65,000. Tata Steel Ltd. is also part of ResponsibleSteel™, providing the Company a platform to build on its sustainability credentials and enabling a responsible ecosystem for the steel industry. Tata Steel was recognised as DJSI steel sector leader in 2018 and has ranked fourth in the steel sector in 2019. Besides being a member of Worldsteel's Climate Action Programme, Tata Steel has won several awards and recognitions including the World Economic Forum's Global Lighthouse recognition for its Kalinganagar Plant - a first in India - and the Prime Minister's Trophy for the Best Performing Integrated Steel Plant for 2016-17. The Company, ranked as India's most valuable Metals & Mining brand by Brand Finance, received an 'Honourable Mention' at the National CSR Awards 2019, Steel Sustainability Champion 2019 by Worldsteel, CII Greeneco Star Performer Award 2019, 'Most Ethical Company' award 2021 from Ethosphere Institute, and Best Risk Management Framework & Systems Award (2020) by CNBC TV-16, among several other recognitions.

Segments served by Tata Steel Ltd: Tata Steel Ltd. serves customers from a host of segments which include automotive, construction, consumer goods, engineering, packaging, energy, shipbuilding, railways, lifting & excavation.

Business relation with RFL Group: Tata Steel has been doing business with RFL Group since 2016.

Grades supplied to RFL Group: Hot Rolled Coils - Grades JIS G 3132 SPHT1 & IS 10748 GR 1.

On behalf of Tata Steel

Mr. Auroprakash Rout
Mr. Auroprakash Rout
(Head of Exports)

TATA STEEL LIMITED
Tata Centre 43 Jawaharal Nehru Road Kolkata 700071 India, 91 33 22883400, Registered Office Bombay
House 24 Homi Mody Street Fort Mumbai
Corporate Id No. L27100MH1907PLC000200

DANANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
VIETNAM
11A, Nguyen Thi Thieu Street, Danang City
540000

Test Report No. 1001
Customer: DANANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
Address: 11A, Nguyen Thi Thieu Street, Danang City, Vietnam
Phone: +84 236 3800000
Fax: +84 236 3800000
Email: info@dust.edu.vn
Website: www.dust.edu.vn

Test Item: Tensile Test
Reference: ASTM A370, Part 1, Method A
Standard: ASTM A370, Part 1, Method A
Test Method: Tensile Test
Test Result: Tensile Strength: 510 MPa, Yield Strength: 275 MPa, Elongation: 25%

Tested by: [Signature]
Checked by: [Signature]
Approved by: [Signature]

DANANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
VIETNAM
11A, Nguyen Thi Thieu Street, Danang City
540000

Test Report No. 1002
Customer: DANANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
Address: 11A, Nguyen Thi Thieu Street, Danang City, Vietnam
Phone: +84 236 3800000
Fax: +84 236 3800000
Email: info@dust.edu.vn
Website: www.dust.edu.vn

Test Item: Tensile Test
Reference: ASTM A370, Part 1, Method A
Standard: ASTM A370, Part 1, Method A
Test Method: Tensile Test
Test Result: Tensile Strength: 510 MPa, Yield Strength: 275 MPa, Elongation: 25%

Tested by: [Signature]
Checked by: [Signature]
Approved by: [Signature]

DANANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
VIETNAM
11A, Nguyen Thi Thieu Street, Danang City
540000

Test Report No. 1003
Customer: DANANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
Address: 11A, Nguyen Thi Thieu Street, Danang City, Vietnam
Phone: +84 236 3800000
Fax: +84 236 3800000
Email: info@dust.edu.vn
Website: www.dust.edu.vn

Test Item: Tensile Test
Reference: ASTM A370, Part 1, Method A
Standard: ASTM A370, Part 1, Method A
Test Method: Tensile Test
Test Result: Tensile Strength: 510 MPa, Yield Strength: 275 MPa, Elongation: 25%

Tested by: [Signature]
Checked by: [Signature]
Approved by: [Signature]

DANANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
VIETNAM
11A, Nguyen Thi Thieu Street, Danang City
540000

Test Report No. 1004
Customer: DANANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
Address: 11A, Nguyen Thi Thieu Street, Danang City, Vietnam
Phone: +84 236 3800000
Fax: +84 236 3800000
Email: info@dust.edu.vn
Website: www.dust.edu.vn

Test Item: Tensile Test
Reference: ASTM A370, Part 1, Method A
Standard: ASTM A370, Part 1, Method A
Test Method: Tensile Test
Test Result: Tensile Strength: 510 MPa, Yield Strength: 275 MPa, Elongation: 25%

Tested by: [Signature]
Checked by: [Signature]
Approved by: [Signature]

MITSUI MINING & SMELTING CO., LTD.



09th April, 2021

Dear Concern,

We, Mitsui Mining & Smelting Co., Ltd, Incorporated in 1950 in Japan. We are leading in Manufacturing and sale of functional engineered materials and electronic materials, nonferrous metal smelting, minerals resource development, precious metal recycling, raw material related businesses, manufacturing and sale of automotive parts/components, etc. with several merger entities in USA, England, Mexico, Hong Kong, Taiwan, Malaysia, Indonesia, Korea, Vietnam and India. Our customers have been covered all over the world. To know detail about us, please visit to our website: www.mitsui-kinzoku.com.

- Company's origins : Japan
- Formative year in the industry : 1950
- The key achievements : A Global organization with the brand registered in London Metal Exchange.
- Business with RFL Group, BD : Since 2015.
- The grade of materials we supply to RFL: LME Registered Special High Grade Zinc Ingot of 99.995% minimum Purity.

Signed by

[Signature]

NOU Takeishi
President and Representative Director
Mitsui Mining & Smelting Co., Ltd.

ADDRESS: 1-11-1, OSAKI, SHINAGAWA -KU, TOKYO, JAPAN
TEL: +81-3-5437-8000, WEBSITE: WWW.MITSUI-KINZOKU.COM

» FACTORY OVERVIEW



Coil Unloading



Coil Slitting



Factory Facilities

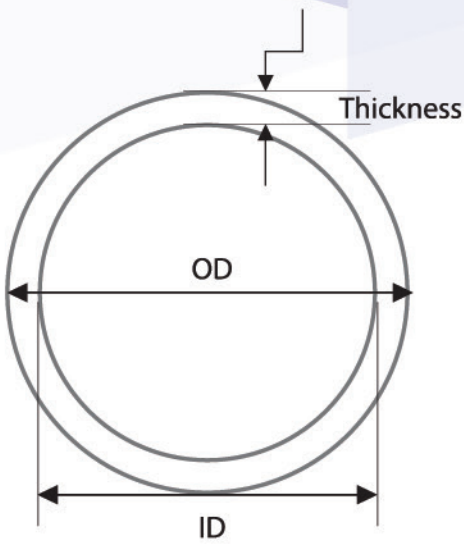


Logo Printing

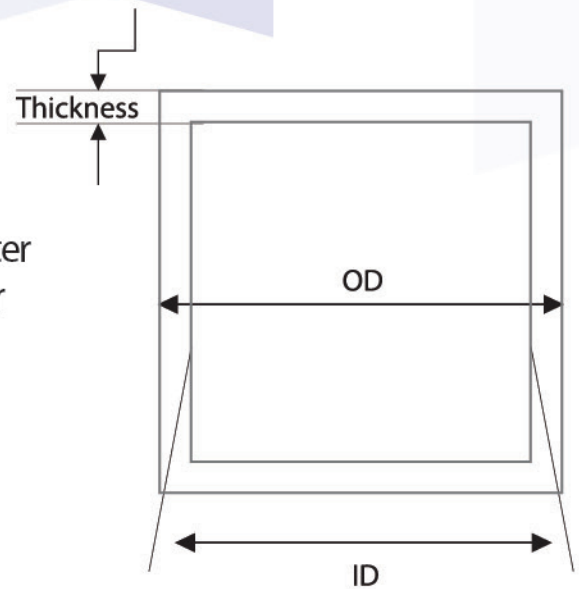


Distribution Storage

➤ BASIC INFORMATION OF ROUND & BOX PIPE



OD = Outer Diameter
ID = Inner Diameter
T = Thickness
 $ID = OD - 2T$

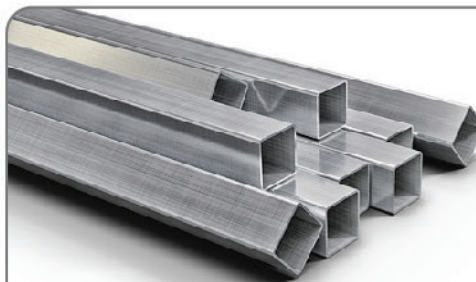


➤ MS, GI & EM BOX PIPE



GI Pipe

- Galvanized Iron pipe
- Zinc 400gm/m², thickness up to 8mm (BDS 1031:2006)



EM Box Pipe

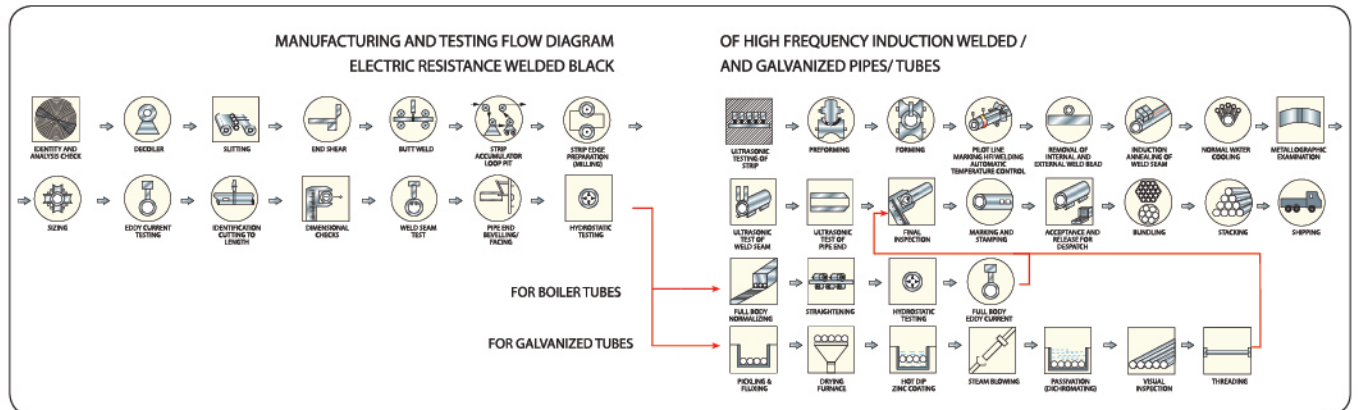
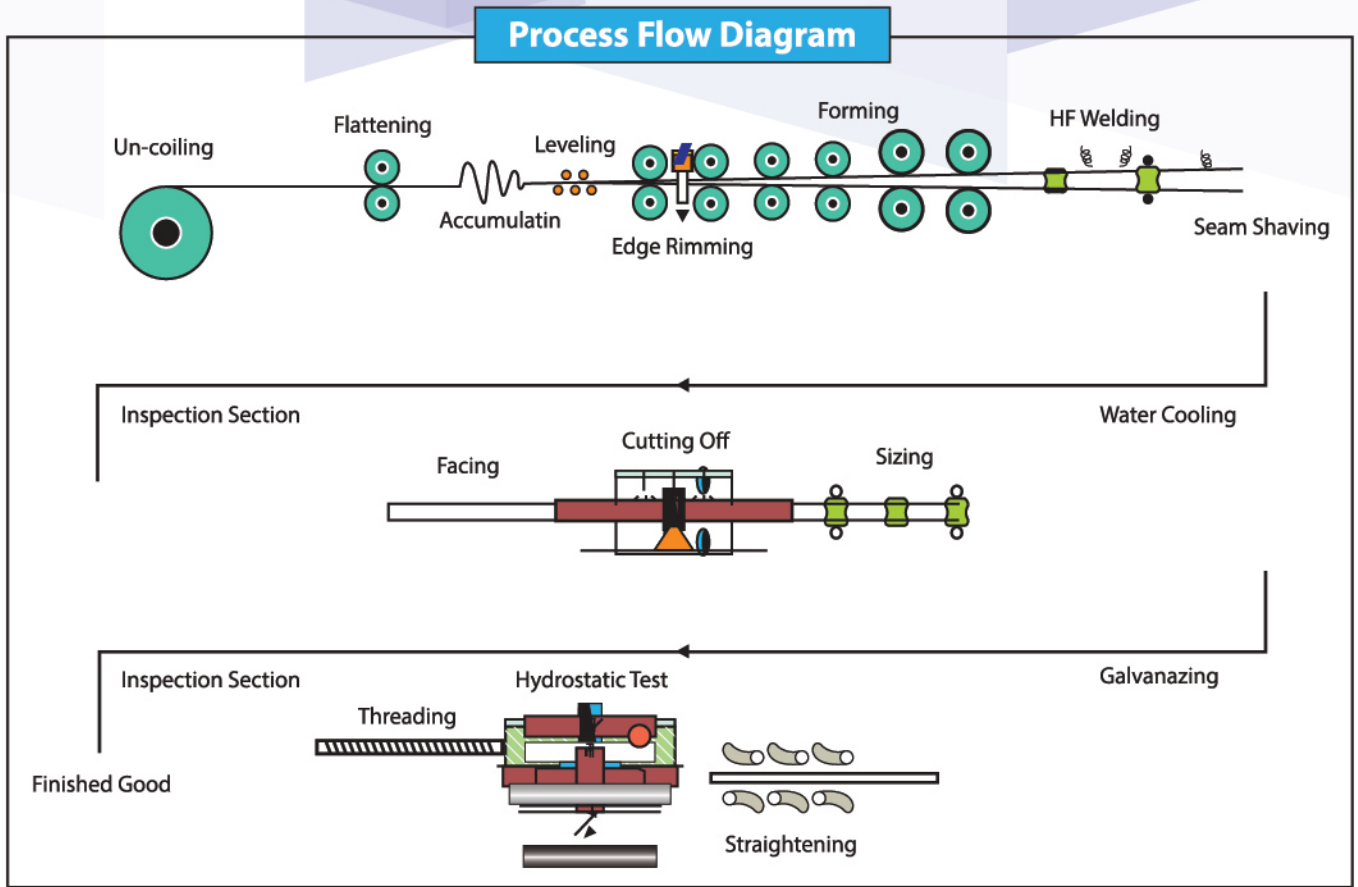
- Electro-galvanized Matt pipe
- Used for furniture, automobile and structural purposes



MS Pipe

- Mild Steel pipe
- Carbon maximum 0.10%

➤ BASIC INFORMATION OF ROUND & BOX PIPE



» CHEMICAL COMPOSITION

Designation		
SPHT 1	Carbon	≤ 0.10
	Silicon	≤ 0.35
	Manganese	≤ 0.50
	Phosphorus	≤ 0.040
	Sulphur	≤ 0.040
Mechanical Properties		
Tensile Strength	kgf/mm2 (N/mm2)	32(314)
Elongation (%)	Thickness (mm) $1.2 \leq t < 1.6$	$30 \leq$
	Thickness (mm) $1.6 \leq t < 2.0$	$32 \leq$
	Thickness (mm) $3.0 \leq t < 6.0$	$35 \leq$
Bending Angle	Degree	180°

» PROCESS

Production process	Electric Resistance Welding (ERW) process, galvanized by automatic hot dip galvanizing process
End finish	GI pipes are taper threaded and black pipes are either plane ended or beveled
Pipe class	Falcon Silver Super Light, Falcon Silver Light, Falcon Silver, Falcon Gold Light, Falcon Gold, Falcon Diamond, Falcon Ruby, Falcon Special, Falcon Super Special
Special size	To produce pipes of special size as per customer requirements

» MARKET STANDARD OF MS & GI PIPE

BS-1387:1990, ISO 4200, IS 1239 (P1) and BDS 1031:2006 standard

LIGHT				
Nominal Bore		Outer Dia		Thickness
mm	inch	Min (mm)	Max (mm)	mm
15	½"	21.00	21.4	2.00
20	¾"	26.4	26.9	2.35
25	1"	33.2	33.8	2.65
32	1 ¼"	41.9	42.5	2.65
40	1 ½"	47.8	48.4	2.9
50	2"	59.6	60.2	2.9

65	2½"	75.20	76.00	3.25
80	3"	87.90	88.70	3.25
100	4"	113.00	113.90	3.65
125	5"	138.50	140.80	4.85
150	6"	160.00	165.00	3.50
200	8"	212.00	218.00	4.00

MEDIUM				
Nominal Bore		Outer Dia		Thickness
mm	inch	Min (mm)	Max (mm)	mm
15	½"	21	21.80	2.65
20	¾"	26.50	27.30	2.65
25	1"	33.30	34.20	3.25
32	1¼"	42.00	42.90	3.25
40	1½"	47.90	48.80	3.25
50	2"	59.70	60.80	3.65
65	2½"	75.30	76.60	3.65
80	3"	88.00	89.50	4.05
100	4"	113.10	115.00	4.50
125	5"	138.50	140.80	4.85
150	6"	160.00	165.00	4.50
200	8"	212.00	218.00	5.00

HEAVY				
Nominal Bore		Outer Dia		Thickness
mm	inch	Min (mm)	Max (mm)	mm
15	½"	21.00	21.80	3.25
20	¾"	26.50	27.30	3.25
25	1"	33.30	34.20	4.05
32	1¼"	42.00	42.90	4.05
40	1½"	47.90	48.80	4.05
50	2"	59.70	60.80	4.50
65	2 ½"	75.30	76.60	4.50
80	3"	88.00	89.50	4.85
100	4"	113.10	115.00	5.40
125	5"	138.50	140.00	5.40
150	6"	163.90	166.50	5.40
200	8"	215.00	220.00	6.00

➤ PRODUCT LIST OF MS & GI PIPE

FALCON SUPER LIGHT

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1/2"	1.20	20.30	20.80
3/4"	1.20	26.00	26.60
1"	1.20	32.00	32.80
1 1/4"	1.20	41.00	42.00
1 1/2"	1.20	47.00	47.50
2"	1.20	57.80	58.80

FALCON SILVER LIGHT

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1/2"	1.50	20.50	21.40
3/4"	1.50	26.20	26.90
1"	1.50	32.20	33.80
1 1/4"	1.50	41.20	42.50
1 1/2"	1.60	47.20	48.40
2"	1.60	58.00	60.20
2 1/2"	1.80	75.00	76.00
3"	1.80	87.50	88.70
4"	1.80	112.00	112.55
5"	2.65	138.50	139.50
6"	2.65	163.90	165.00
8"	3.00	215.50	217.00

FALCON SILVER

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1/2"	1.60	20.50	21.40
3/4"	1.60	26.20	26.90
1"	1.70	32.20	33.80
1 1/4"	1.70	41.20	42.50
1 1/2"	1.80	47.20	48.40
1 1/2"	2.00	47.20	48.40
2"	1.80	58.00	60.20
2"	2.00	58.00	60.20
2 1/2"	2.00	75.00	76.00
3"	2.00	87.50	88.70
4"	2.00	112.00	112.55
4"	2.35	112.00	112.55
4"	3.00	112.30	112.55
5"	3.00	138.80	139.80
5"	3.50	138.80	138.80
6"	3.00	163.90	165.00
6"	3.50	163.90	165.00
8"	3.50	216.00	217.00
8"	4.00	216.50	217.50

➤ PRODUCT LIST OF MS & GI PIPE

FALCON GOLD

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
½"	2.00	20.50	21.40
¾"	2.00	26.30	26.90
1"	2.35	32.30	33.80
1¼"	2.35	41.30	42.50
1½"	2.35	47.50	48.40
1½"	2.65	47.50	48.40
2"	2.65	58.30	60.20
2½"	2.90	75.30	76.00
3"	2.90	87.50	88.70
3"	3.65	87.50	88.70
4"	3.65	112.50	113.90
5"	4.00	139.00	139.80
6"	4.00	164.00	165.00
8"	4.50	216.50	217.50

FALCON DIAMOND

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
½"	2.35	20.70	21.40
¾"	2.35	26.50	26.90
1"	2.65	32.50	33.80
1¼"	2.65	41.50	42.50
1½"	2.90	47.60	48.40
2"	2.90	58.50	60.20
2½"	3.25	75.30	76.00
3"	3.25	87.50	88.70
4"	4.00	112.50	113.90
5"	4.50	139.50	140.20
6"	4.50	164.50	165.50
8"	5.00	216.80	217.50

FALCON RUBY

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
½"	2.65	20.80	21.40
¾"	2.65	26.50	26.90
1"	2.90	32.50	33.80
1¼"	2.90	41.50	42.50
1½"	3.15	47.60	48.40
1½"	3.25	47.60	48.40
2"	3.25	59.00	60.20
2½"	4.00	75.50	76.00
3"	3.65	88.00	88.70

FALCON SPECIAL

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1"	3.25	32.70	33.80
1"	3.65	32.70	33.80
1¼"	3.65	41.70	42.50
1½"	3.65	47.80	48.40
1½"	4.00	47.80	48.40
1½"	5.00	48.00	48.80
2"	3.65	59.60	60.20
2"	4.00	59.60	60.20
2"	5.00	60.00	61.00
2½"	3.65	75.50	76.00
2½"	5.00	76.00	76.50
3"	4.00	88.00	88.50
3"	5.00	88.00	88.50
4"	5.00	113.00	113.90
5"	5.00	139.80	140.50
5"	6.00	139.80	140.80
6"	5.00	165.00	166.00
6"	6.00	165.50	166.50
8"	6.00	217.00	218.00
8"	8.00	217.50	219.00

Customized Product

We produce customized pipes between ½" to 8"

➤ FALCON MS PIPE



MS Box Pipe & MS Tube

- Mild Steel pipes
- Carbon maximum 0.10%



FALCON MS TUBE (ROUND & BOX)

Item Name	OD		Thickness
	Min (mm)	Max (mm)	mm
MS OD 1/2"(12.70MM)X20'(0.80MM)	12.00	13.50	0.80 MM
MS OD 1/2"(12.70MM)X20'(1.00MM)	12.00	13.50	1.00 MM
MS OD 1/2"(12.70MM)X20'(1.20MM)	12.00	13.50	1.20 MM
MS OD 5/8"(16.00MM)X20'(0.80MM)	15.50	16.50	0.80 MM
MS OD 5/8"(16.00MM)X20'(1.00MM)	15.50	16.50	1.00 MM
MS OD 5/8"(16.00MM)X20'(1.20MM)	15.50	16.50	1.20 MM
MS OD 3/4"(19.00MM)X20'(0.80MM)	18.50	19.50	0.80 MM
MS OD 3/4"(19.00MM)X20'(1.00MM)	18.50	19.50	1.00 MM
MS OD 3/4"(19.00MM)X20'(1.20MM)	18.50	19.50	1.20 MM
MS OD 7/8"(22.00MM)X20'(1.20MM)	21.00	22.50	1.20 MM
MS OD 1"(25.40MM)X20'(0.80MM)	24.50	26.00	0.80 MM
MS OD 1"(25.40MM)X20'(1.00MM)	24.50	26.00	1.00 MM
MS OD 1"(25.40MM)X20'(1.20MM)	24.50	26.00	1.20 MM
MS OD 1"(25.40 MM)X20'(1.50MM)	24.50	26.00	1.50 MM
MS OD 1"(25.40 MM) X20'(1.80 MM)	24.50	26.00	1.80 MM
MS OD 1"(25.40MM)X20'(2.00MM)	24.50	26.00	2.00 MM
MS OD 28.00MMX20'(1.20MM)	27.50	29.00	1.20 MM
MS OD 1.25"(32MM)X20'(1.00MM)	31.00	32.50	1.00 MM
MS OD 1.25"(32MM)X20'(1.20MM)	31.00	32.50	1.20 MM
MS OD 1.25"(32MM)X20'(1.60MM)	31.00	32.50	1.60 MM
MS OD 1.25"(32MM)X20'(2.00MM)	31.00	32.50	2.00 MM
MS OD 1.50"(38MM)X20'(1.00MM)	37.50	38.50	1.00 MM
MS OD 1.50"(38MM)X20'(1.20MM)	37.50	38.50	1.20 MM

➤ FALCON MS PIPE



MS Box Pipe & MS Tube

- Mild Steel pipes
- Carbon maximum 0.10%



FALCON MS TUBE (ROUND & BOX)

Item Name	OD		Thickness
	Min (mm)	Max (mm)	mm
MS OD 1.50"(38MM)X20'(1.60MM)	37.50	38.50	1.60 MM
MS OD 1.50"(38MM)X20'(2.00MM)	37.50	38.50	2.00 MM
MS OD 2"(50.80MM)X20'(1.20MM)	49.50	51.00	1.20 MM
MS BOX-1/2"X1/2"(12X12MM)X20'(1.00 MM)	12.0 X 12.0	13.5 X 13.5	1.00 MM
MS BOX-1/2"X1/2"(12X12MM)X20'(1.20 MM)	12.0 X 12.0	13.5 X 13.5	1.20 MM
MS BOX-5/8"X5/8"(16X16MM)X20'(1.00 MM)	15.5 X 16.5	16.5 X 16.5	1.00 MM
MS BOX-5/8"X5/8"(16X16MM)X20'(1.20 MM)	15.5 X 16.5	16.5 X 16.5	1.20 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(0.80 MM)	18.5 X 18.5	19.5 X 19.5	0.80 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(1.00 MM)	18.5 X 18.5	19.5 X 19.5	1.00 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(1.20 MM)	18.5 X 18.5	19.5 X 19.5	1.20 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(1.40 MM)	18.5 X 18.5	19.5 X 19.5	1.40 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(1.60 MM)	18.5 X 18.5	19.5 X 19.5	1.60 MM
MS BOX-1/2"X1"(12X25 MM)X20'(1.00 MM)	12.0 X 24.5	13.5 X 26.0	1.00 MM
MS BOX-1/2"X1"(12X25 MM)X20'(1.20 MM)	12.0 X 24.5	13.5 X 26.0	1.20 MM
MS BOX-1"X1"(25X25MM)X20'(0.80MM)	24.5 X 24.5	26.0 X 26.0	0.80 MM
MS BOX-1"X1"(25X25MM)X20'(1.00MM)	24.5 X 24.5	26.0 X 26.0	1.00 MM
MS BOX-1"X1"(25X25MM)X20'(1.20MM)	24.5 X 24.5	26.0 X 26.0	1.20 MM
MS BOX-1"X1"(25X25MM)X20'(1.60MM)	24.5 X 24.5	26.0 X 26.0	1.60 MM
MS BOX-1"X1"(25X25MM)X20'(1.80MM)	24.5 X 24.5	26.0 X 26.0	1.80 MM
MS BOX-1"X1"(25X25MM)X20'(2.00MM)	24.5 X 24.5	26.0 X 26.0	2.00 MM
MS BOX-1/2"X1.5"(12X38 MM)X20'(1.00 MM)	12.0 X 37.5	13.5 X 38.5	1.00 MM
MS BOX-1/2"X1.5"(12X38 MM)X20'(1.20 MM)	12.0 X 37.5	13.5 X 38.5	1.20 MM
MS BOX-1.25"X1.25"(32X32MM)X20'(1.00MM)	31.5 X 31.5	32.5 X 32.5	1.00 MM
MS BOX-1.25"X1.25"(32X32MM)X20'(1.20MM)	31.5 X 31.5	32.5 X 32.5	1.20 MM
MS BOX-1"X1.5"(25X38MM)X20'(1.00MM)	24.5 X 37.5	26.0 X 38.5	1.00MM

➤ FALCON MS PIPE



MS Box Pipe & MS Tube

- Mild Steel pipes
- Carbon maximum 0.10%



FALCON MS TUBE (ROUND & BOX)

Item Name	OD		Thickness
	Min (mm)	Max (mm)	mm
MS BOX-1"X1.5"(25X38MM)X20'(1.20MM)	24.5 X 37.5	26.0 X 38.5	1.20 MM
MS BOX-1"X1.5"(25X38MM)X20'(1.60MM)	24.5 X 37.5	26.0 X 38.5	1.60 MM
MS BOX-1"X2"(25X50MM)X20'(1.00MM)	24.5 X 49.5	26.0 X 51.0	1.00 MM
MS BOX-1"X2"(25X50MM)X20'(1.20MM)	24.5 X 49.5	26.0 X 51.0	1.20 MM
MS BOX-1"X2"(25X50MM)X20'(1.60MM)	24.5 X 49.5	26.0 X 51.0	1.60 MM
MS BOX-1"X2"(25X50MM)X20'(2.00MM)	24.5 X 49.5	26.0 X 51.0	2.00 MM
MS BOX-1.5"X1.5"(38X38MM)X20'(1.00MM)	37.5 X 37.5	38.5 X 38.5	1.00 MM
MS BOX-1.5"X1.5"(38X38MM)X20'(1.20MM)	37.5 X 37.5	38.5 X 38.5	1.20 MM
MS BOX-1.5"X1.5"(38X38MM)X20'(1.60MM)	37.5 X 37.5	38.5 X 38.5	1.60 MM
MS BOX-1.5"X1.5"(38X38MM)X20'(2.00MM)	37.5 X 37.5	38.5 X 38.5	2.00 MM
MS BOX-1.5"X2"(38X50MM)X20'(1.20MM)	37.5 X 49.5	38.5 X 51.0	1.20 MM
MS BOX-1.5"X2"(38X50MM)X20'(1.60 MM)	37.5 X 49.5	38.5 X 51.0	1.60 MM
MS BOX-1"X3"(25X75 MM)X20'(1.20MM)	24.5 X 75.0	26.0 X 76.5	1.20 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(1.20MM)	37.5 X 62.0	38.5 X 63.5	1.20 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(1.40MM)	37.5 X 62.0	38.5 X 63.5	1.40 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(1.50MM)	37.5 X 62.0	38.5 X 63.5	1.50 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(1.60MM)	37.5 X 62.0	38.5 X 63.5	1.60 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(2.00MM)	37.5 X 62.0	38.5 X 63.5	2.00 MM
MS BOX-2"X2"(50X50MM)X20'(1.20MM)	49.5 X 49.5	51.0 X 51.0	1.20 MM
MS BOX-2"X2"(50X50MM)X20'(1.60MM)	49.5 X 49.5	51.0 X 51.0	1.60 MM
MS BOX-2"X2"(50X50MM)X20'(2.00MM)	49.5 X 49.5	51.0 X 51.0	2.00 MM
MS BOX-1.5"X3"(38X75MM)X20'(1.20MM)	37.5 X 75.0	38.5 X 76.5	1.20 MM
MS BOX-1.5"X3"(38X75MM)X20'(1.80MM)	37.5 X 75.0	38.5 X 76.5	1.80 MM
MS BOX-1.5"X3"(38X75MM)X20'(2.00MM)	37.5 X 75.0	38.5 X 76.5	2.00 MM
MS BOX-2"X3"(75X75MM)X20'(1.80MM)	49.5 X 75.0	51.0 X 76.5	1.80 MM

➤ FALCON MS PIPE



MS Box Pipe & MS Tube

- Mild Steel pipes
- Carbon maximum 0.10%



FALCON MS TUBE (ROUND & BOX)

Item Name	OD		Thickness
	Min (mm)	Max (mm)	mm
MS BOX-2"x3"(50X75MM)X20'(1.20MM)	49.5x75	51x76.5	1.20MM
MS BOX-2"x3"(75X75MM)X20'(2.00MM)	49.5 X 75.0	51.0 X 76.5	2.00 MM
MS BOX-2"x3"(75X75MM)X20'(2.65MM)	49.5 X 75.0	51.0 X 76.5	2.65 MM
MS BOX-2"x4"(50x100 MM)x20' (2.65 MM)	49.5 X 100.5	51.0 X 103.0	2.65 MM
MS BOX-2"x4"(50x100 MM)x20' (3.00 MM)	49.5 X 100.5	51.0 X 103.0	3.00 MM
MS BOX-3"x3"(75X75MM)X20'(1.80MM)	75.0 X 75.0	76.5 X 76.5	1.80 MM
MS BOX-3"x3"(75X75MM)X20'(2.00MM)	75.0 X 75.0	76.5 X 76.5	2.00 MM
MS BOX-3"x3"(75X75MM)X20'(2.65MM)	75.0 X 75.0	76.5 X 76.5	2.65 MM
MS BOX-3"x3"(75X75MM)X20'(3.00MM)	75.0 X 75.0	76.5 X 76.5	3.00 MM
MS BOX-4"x4"(100x100 MM)x20' (3.00 MM)	100.5 X 100.5	103.0 X 103.0	3.00MM
MS BOX-4"x4"(100x100 MM)x20' (4.00 MM)	100.5 X 100.5	103.0 X 103.0	4.00MM
MS BOX-4"x4"(100x100 MM)x20' (5.00 MM)	100.5 X 100.5	103.0 X 103.0	5.00MM
MS BOX-4"x6"(100x150 MM)x20' (4.00 MM)	100.5 X 149.5	103.0 X 153.0	4.00MM
MS BOX-4"x6"(100x150 MM)x20' (5.00 MM)	100.5 X 149.5	103.0 X 153.0	5.00MM
MS BOX-5"x5"(125x125 MM)x20' (4.00 MM)	124.0 X 124.0	128.0 X 128.0	4.00MM
MS BOX-5"x5"(125x125 MM)x20' (5.00 MM)	124.0 X 124.0	128.0 X 128.0	5.00MM
MS BOX-6"x6"(150x150 MM)x20' (5.00 MM)	149.5 X 149.5	153.0 X 153.0	5.00MM
MS BOX-6"x6"(150x150 MM)x20' (6.00 MM)	149.5 X 149.5	153.0 X 153.0	6.00MM

➤ FALCON MS PIPE



MS Box Pipe & MS Tube

- Mild Steel pipes
- Carbon maximum 0.10%



FALCON EM TUBE (ROUND & BOX)

Item Name	OD		Thickness
	Min (mm)	Max (mm)	mm
EM OD 3/4"(19.00MM)X20'(1.00MM)	18.50	19.50	1.00 MM
EM OD 3/4"(19.00MM)X20'(1.20MM)	18.50	19.50	1.20 MM
EM OD 1" (25.40MM)X20'(1.20MM)	24.50	26.00	1.20 MM
EM OD 1.25"(32MM)X20'(1.20MM)	31.00	32.50	1.20 MM
EM OD 1.25"(32MM)X20'(1.60MM)	31.00	32.50	1.60 MM
EM OD 1.5"(38 MM)X20'(1.20MM)	37.50	38.50	1.20 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(0.50MM)	12.0 X 12.0	13.5 X 13.5	0.50 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(0.60MM)	12.0 X 12.0	13.5 X 13.5	0.60 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(0.80MM)	12.0 X 12.0	13.5 X 13.5	0.80 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(1.00MM)	12.0 X 12.0	13.5 X 13.5	1.00 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(1.20MM)	12.0 X 12.0	13.5 X 13.5	1.20 MM
CR BOX-3/4"X3/4"(19X19MM)X20'(0.40MM)	18.5 X 18.5	19.5 X 19.5	0.40 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(0.50MM)	18.5 X 18.5	19.5 X 19.5	0.50 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(0.60MM)	18.5 X 18.5	19.5 X 19.5	0.60 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(0.80MM)	18.5 X 18.5	19.5 X 19.5	0.80 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(1.00MM)	18.5 X 18.5	19.5 X 19.5	1.00 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(1.20MM)	18.5 X 18.5	19.5 X 19.5	1.20 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(1.60MM)	18.5 X 18.5	19.5 X 19.5	1.60MM
EM BOX-1"X1"(25X25MM)X20'(0.60MM)	24.5 X 24.5	26.0 X 26.0	0.60 MM
EM BOX-1"X1"(25X25MM)X20'(0.80MM)	24.5 X 24.5	26.0 X 26.0	0.80 MM
EM BOX-1"X1"(25X25MM)X20'(1.00MM)	24.5 X 24.5	26.0 X 26.0	1.00 MM
EM BOX-1"X1"(25X25MM)X20'(1.20MM)	24.5 X 24.5	26.0 X 26.0	1.20 MM
EM BOX-1"X1"(25X25MM)X20'(1.40MM)	24.5 X 24.5	26.0 X 26.0	1.40MM
EM BOX-1"X1"(25X25MM)X20'(1.60MM)	24.5 X 24.5	26.0 X 26.0	1.60MM
EM BOX-1"X1"(25X25MM)X20'(1.80MM)	24.5 X 24.5	26.0 X 26.0	1.80MM

➤ FALCON MS PIPE



MS Box Pipe & MS Tube

- Mild Steel pipes
- Carbon maximum 0.10%



FALCON EM TUBE (ROUND & BOX)

Item Name	OD		Thickness
	Min (mm)	Max (mm)	mm
EM BOX-1"X1"(25X25MM)X20'(2.00 MM)	24.5 X 24.5	26.0 X 26.0	2.00 MM
EM BOX-1.25"X1.25"(32X32 MM)X20'(1.00MM)	31.5 X 31.5	32.5 X 32.5	1.00MM
EM BOX-1.25"X1.25"(32X32 MM)X20'(1.20MM)	31.5 X 31.5	32.5 X 32.5	1.20 MM
EM BOX-1"X1.5"(25X38MM)X20'(1.00MM)	24.5 X 37.5	26.0 X 38.5	1.00 MM
EM BOX-1"X1.5"(25X38MM)X20'(1.20MM)	24.5 X 37.5	26.0 X 38.5	1.20 MM
EM BOX-1"X1.5"(25X38MM)X20'(1.60MM)	24.5 X 37.5	26.0 X 38.5	1.60 MM
EM BOX-1"X1.5"(25X38MM)X20'(1.80MM)	24.5 X 37.5	26.0 X 38.5	1.80MM
EM BOX-1"X1.5"(25X38MM)X20'(2.00MM)	24.5 X 37.5	26.0 X 38.5	2.00 MM
EM BOX-1"X2"(25X50MM)X20'(1.00MM)	24.5 X 49.5	26.0 X 51.0	1.00 MM
EM BOX-1"X2"(25X50MM)X20'(1.20MM)	24.5 X 49.5	26.0 X 51.0	1.20 MM
EM BOX-1"X2"(25X50MM)X20'(1.60MM)	24.5 X 49.5	26.0 X 51.0	1.60 MM
EM BOX-1"X2"(25X50MM)X20'(1.80MM)	24.5 X 49.5	26.0 X 51.0	1.80 MM
EM BOX-1"X2"(25X50MM)X20'(2.00MM)	24.5 X 49.5	26.0 X 51.0	2.00MM
EM BOX-1.5"X1.5"(38X38MM)X20'(1.00MM)	37.5 X 37.5	38.5 X 38.5	1.00 MM
EM BOX-1.5"X1.5"(38X38MM)X20'(1.20MM)	37.5 X 37.5	38.5 X 38.5	1.20 MM
EM BOX-1.5"X1.5"(38X38MM)X20'(1.60MM)	37.5 X 37.5	38.5 X 38.5	1.60 MM
EM BOX-1.5"X1.5"(38X38MM)X20'(1.80MM)	37.5 X 37.5	38.5 X 38.5	1.80 MM
EM BOX-1.5"X1.5"(38X38MM)X20'(2.00MM)	37.5 X 37.5	38.5 X 38.5	2.00MM
EM BOX-1"X3"(25X75 MM)X20'(1.20MM)	24.5 X 75.0	26.0 X 76.5	1.20 MM
EM BOX-1"X3"(25X75 MM)X20'(1.60MM)	24.5 X 75.0	26.0 X 76.5	1.60 MM
EM BOX-1"X3"(25X75 MM)X20'(2.00MM)	24.5 X 75.0	26.0 X 76.5	2.00 MM
EM BOX-1.5"X2.5"(38X63MM)X20'(1.20MM)	37.5 X 62.0	38.5 X 63.5	1.20 MM
EM BOX-1.5"X2.5"(38X63MM)X20'(1.60MM)	37.5 X 62.0	38.5 X 63.5	1.60 MM

➤ FALCON MS PIPE



MS Box Pipe & MS Tube

- Mild Steel pipes
- Carbon maximum 0.10%



FALCON EM TUBE (ROUND & BOX)

Item Name	OD		Thickness
	Min (mm)	Max (mm)	mm
EM BOX-1.5"X2.5"(38X63MM)X20'(2.00MM)	37.5 X 62.0	38.5 X 63.5	2.00MM
EM BOX-2"X2"(50X50MM)X20'(1.20MM)	49.5 X 49.5	51.0 X 51.0	1.20 MM
EM BOX-2"X2"(50X50MM)X20'(1.60MM)	49.5 X 49.5	51.0 X 51.0	1.60 MM
EM BOX-2"X2"(50X50MM)X20'(1.80MM)	49.5 X 49.5	51.0 X 51.0	1.80 MM
EM BOX-2"X2"(50X50MM)X20'(2.00MM)	49.5 X 49.5	51.0 X 51.0	2.00 MM
EM BOX-1.5"X3"(38X75MM)X20'(1.20MM)	37.5 X 75.0	38.5 X 76.5	1.20 MM
EM BOX-1.5"X3"(38X75MM)X20'(1.60MM)	37.5 X 75.0	38.5 X 76.5	1.60 MM
EM BOX-1.5"X3"(38X75MM)X20'(1.80MM)	37.5 X 75.0	38.5 X 76.5	1.80 MM
EM BOX-1.5"X3"(38X75MM)X20'(2.00MM)	37.5 X 75.0	38.5 X 76.5	2.00 MM
EM BOX-2"X3"(50X75MM)X20'(1.20MM)	49.5 X 75.0	51.0 X 76.5	1.20 MM
EM BOX-2"X3"(50X75MM)X20'(1.60MM)	49.5 X 75.0	51.0 X 76.5	1.60 MM
EM BOX-2"X3"(50X75MM)X20'(1.80MM)	49.5 X 75.0	51.0 X 76.5	1.80 MM
EM BOX-2"X3"(50X75MM)X20'(2.00MM)	49.5 X 75.0	51.0 X 76.5	2.00 MM

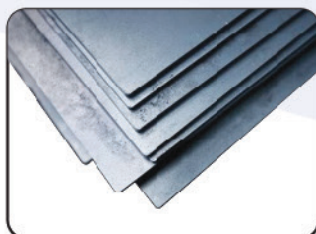
» FALCON CONSTRUCTION ITEMS



MS PROPS



MS SCAFFOLDING



MS SHEET



» FALCON MS PROPS, SCAFFOLDING & SHEET

Falcon MS Props & Scaffolding	Applicable areas
- Fully adjustable for high-rise building. - Easy to assemble. - High pressure endurance.	Building construction or centering.

Props specification	Scaffolding specification
- Dia: (2" x 1.5") - Working length: 13.5 & customizable - Thickness: 2.65mm & customizable	- Measurement: Height-6'; Length-4'; Width-5' working can be customizable. - Height: Adjustable to any height, easy setup & movable, solution for the surface like tiles.

Falcon MS Sheet	Applicable area	Specification
- Easy to use - High pressure endurance	Building construction	Size: 4x8 feet, Thickness: 1.2 - 5mm

» FALCON GI WIRE

Features & Specification:

- Proper Zinc coating
- 18 SWG to 25 SWG
- Tensile strength: 350-550 N/mm²



Class	Thickness (mm)	Weight (kg)
GI Wire 25 SWG	0.51	25
GI Wire 24 SWG	0.56	25
GI Wire 22 SWG	0.71	25
GI Wire 20 SWG	0.91	25

» FALCON ELECTRICAL POLE

FALCON ELECTRICAL POLE



Customize Size



100% Pure Zinc Coating



Solar Box Adjustable

Features:

- Fully adjustable with specific requirements.
- Can be placed on any types of RCC or solid surface facilitates with different size and model of solar panel and light bracket.
- Provides better solution for the battery holding.
- Couples with waterproof facility of the junction box.
- Better management of cables and wires.

