



WE ARE THE BEST

SS PIPE MANUFACTURER IN BANGLADESH

www.rflpipe.com

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ABOUT US



FALCON is widely popular in Bangladesh for the best grade MS, GI, EM, SS & Aluminium profiles. 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 high quality grade 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.

CREDENTIALS



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
Mr. Shafiq
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 \$18.7 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 Kalanagar 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 Ethisphere Institute, and Best Risk Management Framework & Systems Award (2020) by CNBC TV-18, 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 JS G 3132 SPHT1 & JS 10748 GR 1.

On behalf of Tata Steel

Auroprakash Rout
Mr. Auroprakash Rout
(Head of Exports)

TATA STEEL LIMITED
Tata Centre 43 Jawahar Lal Nehru Road Kolkata 700071 India, 91 33 22883400, Registered Office Bombay
House 24 Horni Mody Street Fort Mumbai
Corporate Id No. L27100MH1907PLC000260

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

J. Nou

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

ADDRESS: 1-11-1, OSAKI, SHINAGAWA-KU, TOKYO, JAPAN
TEL: +81 -3-5437-8028, WEBSITE: WWW.MITSUI-KINZOKU.COM

FALCON SS PIPE AT A GLANCE

Falcon Stainless Steel Pipes are high-alloy steels, which have high corrosion resistance due to the presence of large amounts of Chromium (Cr) when compared to other steel pipes. Our SS pipes are made with elements like Manganese and Nickel. These elements are highly pliable, and they provide excellent robustness.

Falcon SS pipes are available in various sizes, shapes, and dimensions. These pipes are suitable for industries, where the temperature exceeds up to 315 °C (600 °F). It is highly resistant to acids, alkalis, and dry gases at room temperature.

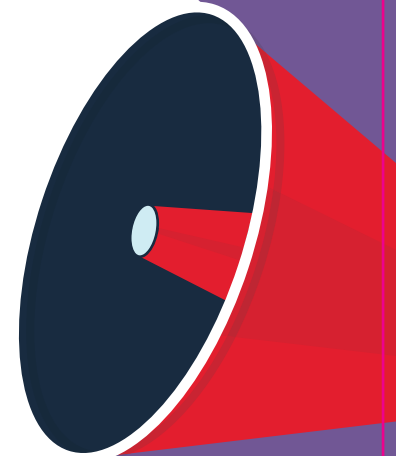
We manufacture from high-quality raw materials and are designed as per national and international standards. The product development department of Falcon SS pipes is working continuously to develop its product range and quality. In that sequence, we introduced 201 and 304 grade sheets for our valued customers.

► FEATURES & USES:

1. Made from world famous cold rolled and 8k diamond polished SS sheets using latest technology.
2. High-quality stainless-steel construction for long-lasting durability.
3. Resistant to corrosion, rust and wear & tear.
4. Wide range of sizes and shapes.
5. Easy to install, maintain and clean.
6. Suitable for a variety of applications including ventilation, household furniture and building materials.
7. Perfect and finest polishing process with shiny finish.
8. Ensures rock-solid thickness and size.
9. Best quality and affordable price.
10. Bendable enough to be curved into any requisite shape for multi-purpose uses.
11. Perfect and visible laser print logo.
12. Waterproof and standard quality poly packaging.

► PRECAUTIONS WHILE USING STAINLESS STEEL PRODUCTS:

1. Keep away from acid, dry cement, watery cement & any type of floor/tile cleansing liquid/dry substance (like Vixol) from SS pipes and other SS products.
2. Cover up or wrap up the SS pipes while working with acid, dry cement, watery cement & any type of floor/tile cleansing liquid/dry substance (like Vixol).
3. For newly constructed/under construction buildings, SS work should be done at the end.
4. SS pipes should be wrapped with polythene, in case any other construction work is going on.



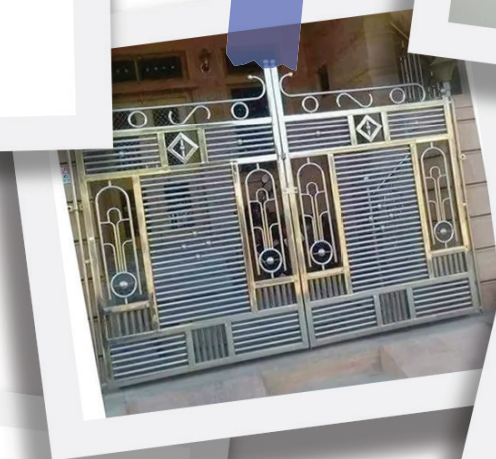
FALCON SS PIPE ITEM LIST

TYPE	SL	DIA	0.4MM	0.5MM	0.6MM	0.7MM	0.8MM	1.0MM	1.2MM	1.5MM	2.0MM	2.5MM	3.0MM
ROUND PIPE	1	3/8"	✓	✓	✓	✓	✓	✓	✓	✓			
	2	1/2"	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	3	5/8"	✓	✓	✓	✓	✓	✓	✓	✓			
	4	3/4"	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	5	1"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	6	1 1/4"		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	7	1 1/2"		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	8	2"		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	9	2 1/2"		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	10	3"			✓	✓	✓	✓	✓	✓	✓	✓	✓
	11	4"						✓	✓	✓	✓	✓	✓
TYPE	SL	DIA	0.4MM	0.5MM	0.6MM	0.7MM	0.8MM	1.0MM	1.2MM	1.5MM	2.0MM	2.5MM	3.0MM
BOX PIPE	12	1/2" x 1/2"		✓	✓	✓	✓	✓	✓	✓			
	13	3/4" x 3/4"		✓	✓	✓	✓	✓	✓	✓	✓		
	14	1" x 1"		✓	✓	✓	✓	✓	✓	✓	✓		
	15	1 1/2" x 1 1/2"			✓	✓	✓	✓	✓	✓	✓	✓	
	16	2" x 2"		✓	✓	✓	✓	✓	✓	✓	✓		
TYPE	SL	DIA	0.4MM	0.5MM	0.6MM	0.7MM	0.8MM	1.0MM	1.2MM	1.5MM	2.0MM	2.5MM	3.0MM
RECTANGULAR PIPE	17	1/2" x 3/4"	✓	✓	✓	✓	✓	✓	✓	✓			
	18	1/2" x 1"	✓	✓	✓	✓	✓	✓	✓	✓			
	19	1/2" x 1 1/2"	✓	✓	✓	✓	✓	✓	✓	✓			
	20	1/2" x 2"	✓	✓	✓	✓	✓	✓	✓	✓			
	21	1" x 1 1/2"			✓	✓	✓	✓	✓	✓	✓		
	22	1 1/2" x 2"			✓	✓	✓	✓	✓	✓	✓		

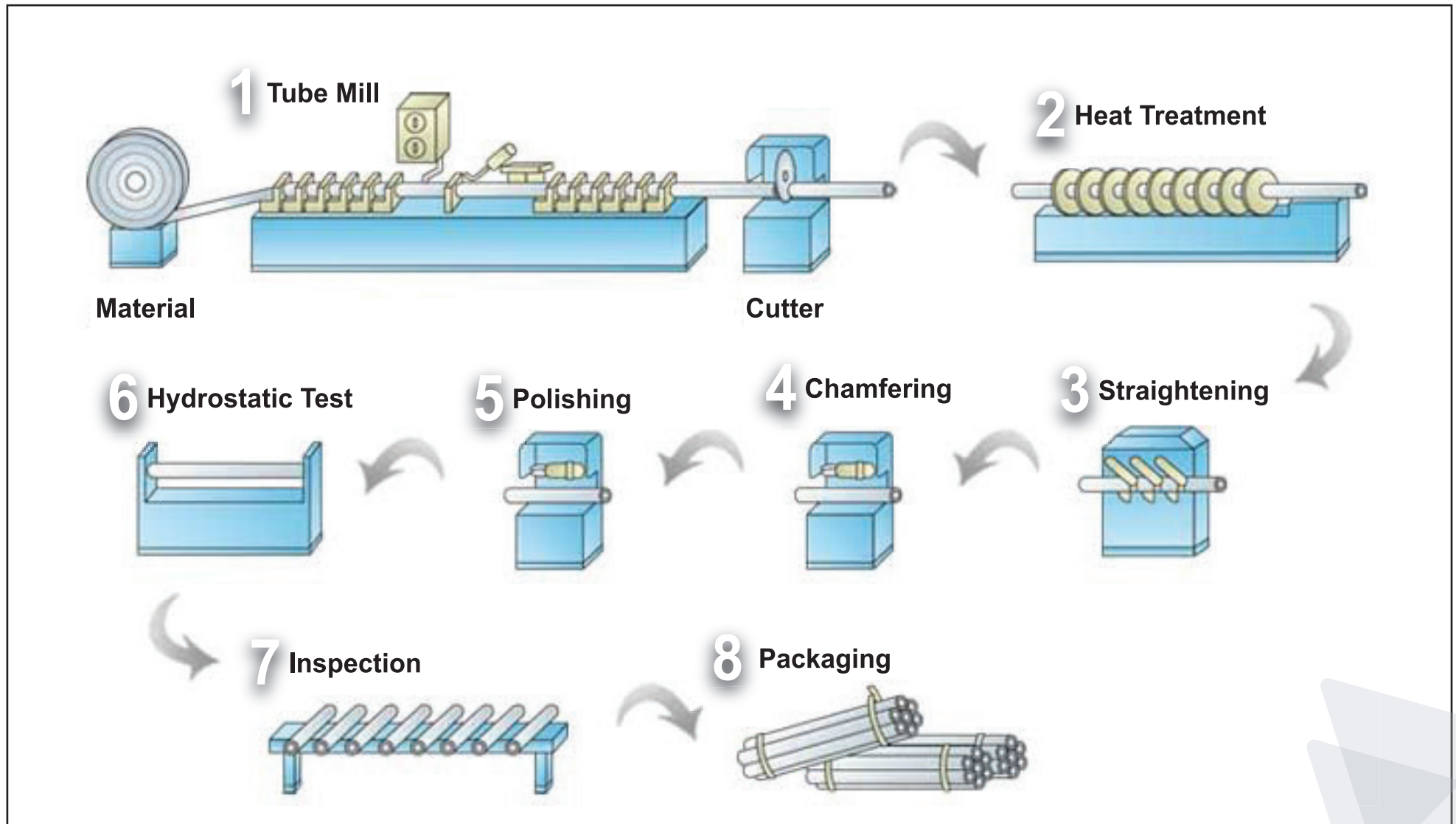


FALCON SS PIPE PRODUCT LISTS

- ▶ Staircase
- ▶ Guard Rail
- ▶ Gate
- ▶ Furniture
- ▶ Door Handle
- ▶ Others



PROCESS FLOW DIAGRAM OF SS PIPE



MECHANICAL AND CHEMICAL PROPERTIES

Falcon Stainless Steels Pipes are highly ductile. It has extraordinary chemical and mechanical properties.

CHEMICAL COMPOSITION:

ELEMENT	CONTENT (%)
Iron, Fe	72.0
Chromium, Cr	16.0 - 18.0
Manganese, Mn	5.50 - 7.50
Nickel, Ni	3.50 - 5.50
Silicon, Si	1.0
Nitrogen, N	0.25
Carbon, C	0.15

PHYSICAL PROPERTIES:

PROPERTIES	METRIC	IMPERIAL
Tensile strength (longitudinal at room temperature)	696 MPa	101,000 psi
Yield strength (longitudinal at room temperature)	301 MPa	43,700 psi

CHEMICAL COMPOSITION:

Other designations that are equivalent to grade 201 stainless steel include:

- ▶ ASTM A213
- ▶ ASTM A249
- ▶ ASTM A276
- ▶ ASTM A412
- ▶ ASTM A554
- ▶ ASTM A666
- ▶ QQ S766
- ▶ ASME SA412
- ▶ SAE 30201
- ▶ SAE J405 (30201)

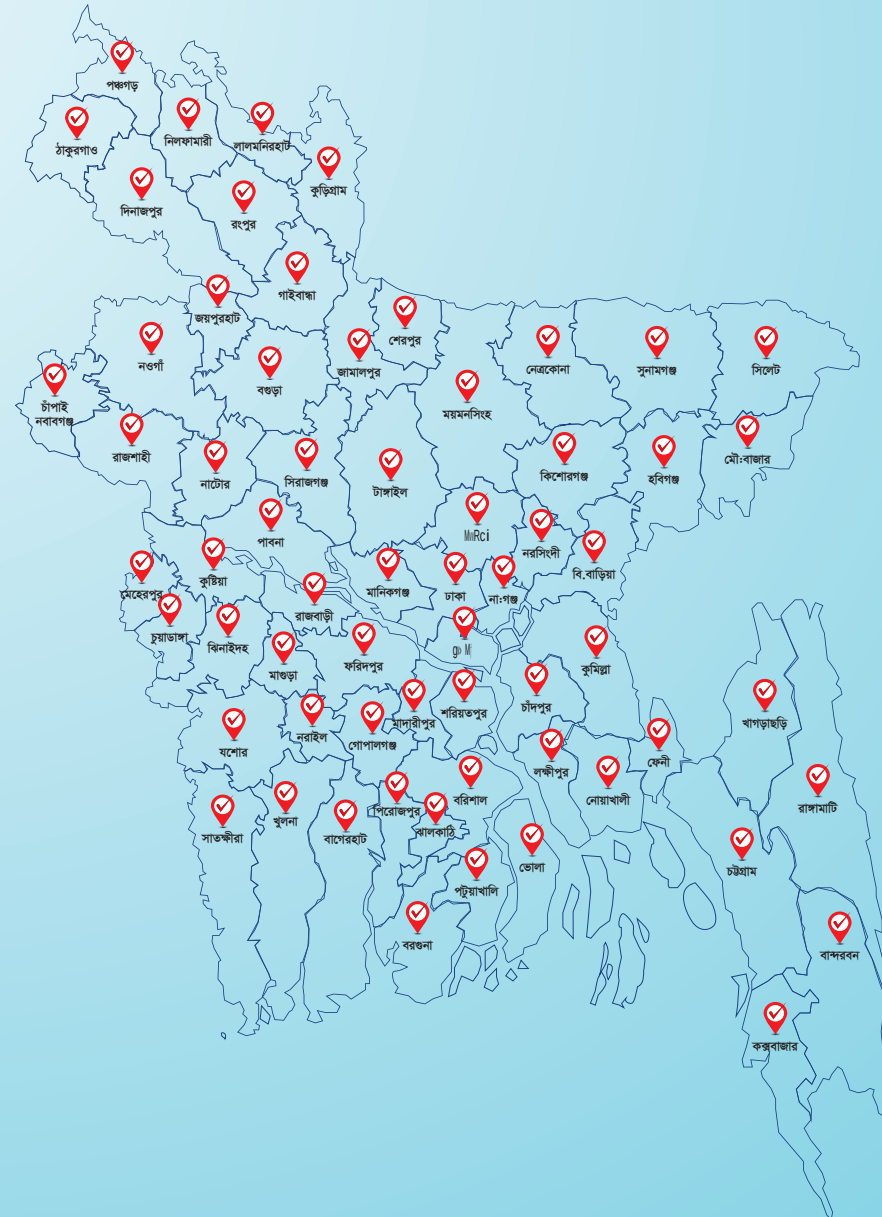


FABRICATION & HEAT TREATMENT

FORMING	ANNEALING
Falcon Stainless Steel can be formed using all commonly employed forming methods. These stainless steel pipes have outstanding formability, fabricability and strength.	Falcon stainless steel is annealed at 1010-1093°C (1850-2000°F). Temperature should not be exceeded above 2000°F in order to avoid scaling. It is rapidly cooled to prevent crystallization of carbides.

WELDING	APPLICATIONS
Falcon Stainless Steel can be welded using all conventional welding techniques.	Falcon stainless steel is used in structural members, different kinds of severely formed parts, and siding and roofing for railway cars and trailers. • Household furniture and building materials such as balcony, guardrails, gates, office partitions etc. • Food and beverage, agriculture, ship components etc. • Pulp and paper • Catering equipment • Structural/construction • Architectural end uses such as handrails and support frame work • Water treatment • Petrochemical

DELIVERY NETWORK





নির্ভরতার প্রতীক

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