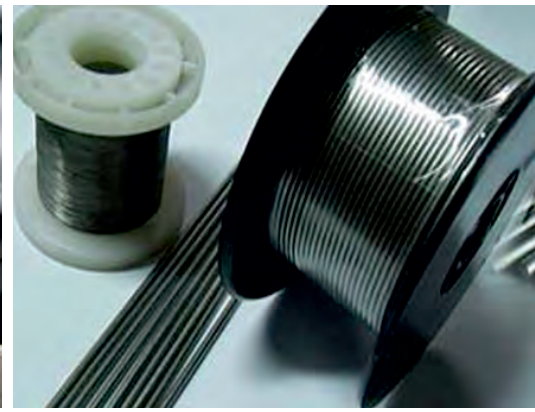




ARCATIA GLOBAL

PVT LTD

(An ISO 9001 : 2015 Certified Company)



ARCATIA GLOBAL PVT LTD

www.arcatiaglobal.com

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Chase the Vision, Not the Money,
THE MONEY WILL END UP FOLLOWING YOU.



Company Profile

Arcatia Global Private Limited – is ISO 9001:2015 certified, an ideal partner for your piping purchasing products in INDIA. We provide you with a wide range of superior piping materials in **Flanges & Fittings, Round Bars, Valves, Welding Consumables, etc...** in **SS, AS & Special Grades**.

With our close network with manufactures & stockiest 'AGPL' is enable to offer comprehensive supply capabilities for Standard & Non-Standard piping components and piping fabrication.

At AGPL, we are focussed on future

COMPANY PROFILE

and our team is dedicated to making choices each day that will yield the most optimal results down the line.

AGPL believe in maintaining highest international standards of excellence through quality, innovation and technology. For us **quality is never an accident; it is always the result of high intention, sincere effort and intelligent direction.**

OUR VALUES

AGPL – aims to be a truly global, high-performing organisation delivering quality products and services to its customers and attain leadership position in the industries we operate in.

Some of the unique values of AGPL help us to sustain long term relation with our customers: The customer is at the centre of everything we do. Complete customer satisfaction – in terms of products, services and punctuality – is our base-line.



OUR VISION & MISSION



“To discover, develop, innovate and successfully reach every corner of the world by providing high quality at all stages and retain steadiness to be triumphant in gaining the reliance of our valued customers worldwide.”



“It's our mission propelled by our futuristic vision that encourages us continuously. Always move forward keeping modern and innovative philosophy to approach hundred percent client's satisfaction and to endeavour for strong association with our customers and business associates.”

OUR TEAM



We are backed by a team of highly qualified professionals who know their jobs to the hilt. We have experienced and expert technicians and professionals who do their work with utmost care and precision. We keep our main focus on the customers and our team works in close proximity with the clients to ensure complete satisfaction.

Our ability to react quickly, think pro-

actively, and providing our customers with the best solution makes us a vital resource for your team. We make sure that our clients are satisfied and their business becomes profitable.

“We even have our own fleet of vehicles and an excellent agent and distributor network to facilitate better service to our clients.

WHY CHOOSE US?

We are a unique entity in the market, dedicated towards offering optimum quality and highly durable range of products to our respected patrons. Owing to following features, we attained a prominent position in this competitive industry:

- Skilled team of professionals
- Ethical business policies
- Client centric approach
- Reasonable pricing structure
- On-timely delivery

QUALITY POLICY

AGPL has a full-fledged Quality Assurance department functioning with a strong management commitment to quality. The objective of the Department is to achieve and maintain high quality standard of finished products with consistent compliance in accordance with the Quality Policy of the company.

The Quality Management Systems of the company have been certified by BMG as conforming to ISO 9001-2015.

Customer Satisfaction

- We at AGPL are committed to enhance customer satisfaction by providing goods and services to exceed customer expectations and meet statutory and legal requirements.

Market Leadership

- Growing and developing our business by anticipating and meeting the needs and wants of our customers by continually improving the effectiveness of QMS through incremental improvements in processes that lead to customer's satisfaction.

Preferred Employer

- Recruiting, training and developing people who are proud to work for AGPL and to provide quality products and excellent services to our customers.
- Maximizing the contribution of our people by integrating the wisdom and experience of all our employees to develop systems and processes that would improve the quality of goods and services.

Quality Assurance

- Committed to delivering high-performing quality products to our customers by continual adoption of best practices in the industry & setting up a benchmark in the trade.

Environmental Protection and Conservation

- Promoting and fostering a commitment to environment protection and conservation of energy and resources among employees, suppliers and customers.
- Using raw materials from sustainable sources whenever viable and consistent with the customer's requirements, making use of opportunities to minimize waste, reuse or recycle materials.

Financial Performance

- By maximizing our performance in the above areas, ensuring that we achieve all our financial targets, profitability and sustained business growth.

QUALITY OBJECTIVES

AGPL is committed to supply its esteemed customers quality products manufactured under quality systems with complete customer satisfaction. Our Philosophy is all about what we commit is what you get. No false assurance because we strongly feel our clients are very precious and they deserve the fairest deal.

We will deliver what we say we can without the fuss ensuring your business objectives are central to everything we do.

- Total customer satisfaction by providing high level of Quality on our products and services at competitive costs.
- 100% reduction in every reported case of “zero hour” failure at customer’s end.
- To achieve timely delivery for a minimum of 90% orders, subject to agreed terms and conditions.
- To provide customer support and service within 3-24 hrs at least 90% on time.
- Continual upgradation of Technology to enhance product life and reliability through systemized supply and service process.
- Product quality enhancement through quality raw materials, strict adherence to drawings & specifications, minimizing rejections and rework, quality assurance through testing & measurement, and through inspection at all levels of production and before dispatch.
- Continuous in-house and external training of all employees to upgrade their knowledge and improve their skills.
- Provide facilities and work environment that is Safe, Healthy and Clean.
- Generation and dissemination of knowledge to generate and sustain efforts for conservation, development and efficient management of energy and resources for environmental protection.

We over the years desire to build **TOTAL CONFIDENCE** with our clients for supply of the best **QUALITY PRODUCT** meeting international standards in – **Materials, Delivery, Value and Services.**

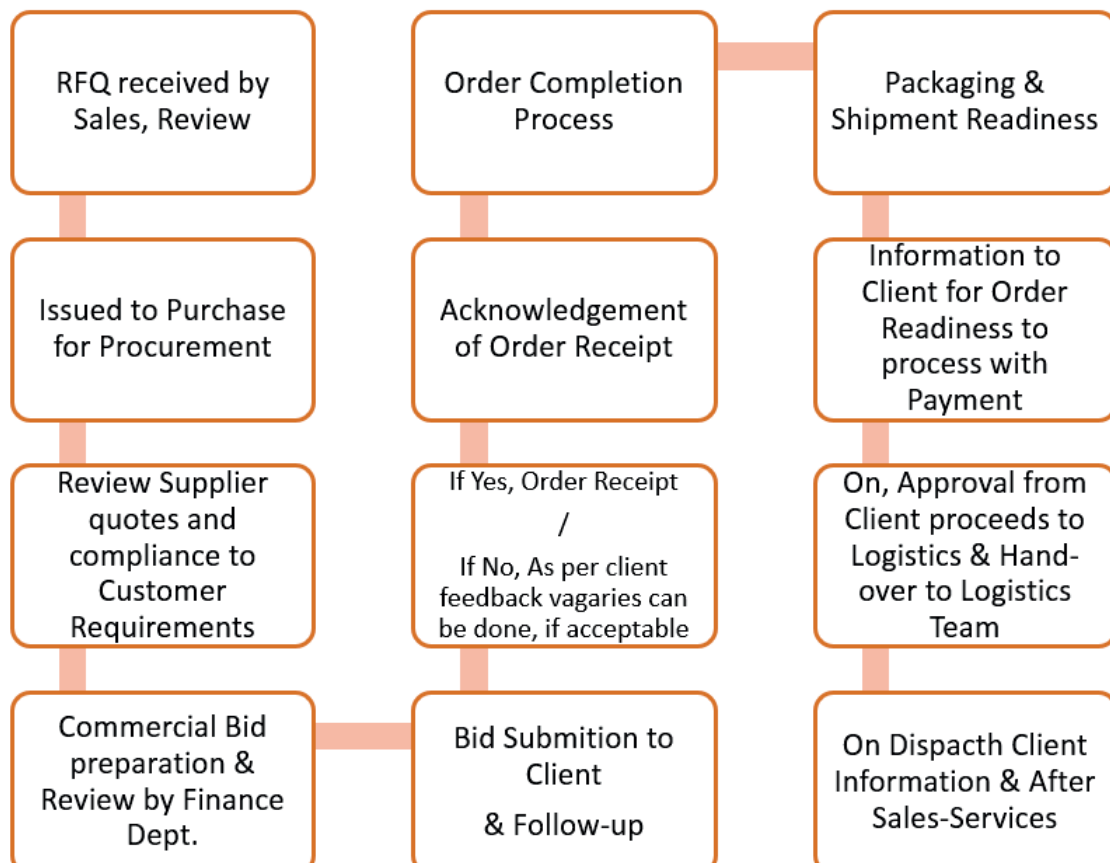
OUR WORKFLOW




We implement best practices in our processes in order to offer best quality products and on time. Our practices like lean management, single piece flow, right first time, etc. help us to provide high quality and cost-effective products.

All our processes are aligned to save time and this helps us to deliver wider variety of products, much faster. We are data driven and make quick decisions.

Our Work-flow is -



CERTIFICATIONS


GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS
 Central Registration Centre

Certificate of Incorporation

(Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014)

I hereby certify that **ARCATIA GLOBAL PRIVATE LIMITED** is incorporated on this Twenty second day of October Two thousand nineteen under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.

The Corporate Identity Number of the company is **U51909MH2019PTC31968**.

The Permanent Account Number (PAN) of the company is **AASCAS55F**.

The Tax Deduction and Collection Account Number (TAN) of the company is **MUMMA60792E**.

Given under my hand at Mumbai this Twenty third day of October Two thousand nineteen.

Digital Signature Certificate
 Mr. MANGAL RAM MEENA
 Deputy Registrar Of Companies
 For and on behalf of the Jurisdictional Registrar of Companies,
 Registrar of Companies
 Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant. This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on www.mca.gov.in

Mailng Address as per record available in Registrar of Companies office:
 ARCATIA GLOBAL PRIVATE LIMITED
 110 LOHAR ALI 1ST FLOOR, CHENDANI THANA, THANE, Thane,
 Maharashtra, India, 400099

* as issued by the Income Tax Department


भारत सरकार
Government of India
 अधिकांश उद्योग विभाग
MINISTRY OF COMMERCE AND INDUSTRY
 Director General of Foreign Trade
 एक्सपोर्ट इम्पोर्ट एंड प्रोसेसिंग विभाग
 DGT Office, New Building, 28 Ring Road, Mumbai-400020
 भारतीय निर्यात-आयात कोड (IEC)
 This is computer generated certificate the authenticity of this document may be verified by scanning its QR code on the web site of www.dgt.gov.in

1. अर्जकर्ता का नाम: ARCATIA GLOBAL PRIVATE LIMITED
 2. पता/Address: 110 BEEJ BUILDING 1ST FLOOR, LOHAR ALI, CHENDANI
 THANE WEST, THANE, MAHARASHTRA-400099
 3. अर्जकर्ता का पता/Address and Designation of the signatory applicant: 28 RING ROAD, NEW BUILDING, DGT OFFICE, MUMBAI-400020
 4. अर्जकर्ता का पता/Address of the Branch/Div./Unit if any: B-11
 5. अर्जकर्ता का IEC Number: AASCAS55F
 6. अर्ज का दिनांक/Date of Issue: 29.11.2019
 7. अर्ज का पता/ (DGT) /DGT: AASCAS55F

स्थान/Place: THANE WEST
 तिथि/Date: 30.11.2019

System generated IEC QR Code

(Issued From File No. /10/16/13/5199/AM20) अर्ज का पता: 29.11.2019
 अर्जकर्ता का पता: 28 RING ROAD, NEW BUILDING, DGT OFFICE, MUMBAI-400020


Government of India
Form GST REG-05
 (New Rule 19(1))
Registration Certificate

Registration Number: **27AACAS55FZ**

1. Legal Name	ARCATIA GLOBAL PRIVATE LIMITED			
2. Trade Name, if any	ARCATIA GLOBAL PRIVATE LIMITED			
3. Constitution of Business	Private Limited Company			
4. Address of Principal Place of Business	110 BEEJ BUILDING, LOHAR ALI, OPP. KARNAVAT CLASSES, THANE, Maharashtra 400099			
5. Date of Liability				
6. Period of Validity	From	29/11/2019	To	Not Applicable
7. Type of Registration	Regular			
8. Particulars of Approving Authority	Mumbai			

Name: PRAMOD DABIRAO TAMBE
 Designation: Sales Tax Officer Class II
 Jurisdictional Office: BAMBAGAR, THANE
 Date of issue of Certificate: 29/11/2019

Note: The registration certificate is required to be prominently displayed at all places of business in the State.

This is a system generated digitally signed Registration Certificate issued based on the approval of application granted on 28/11/2019 by the jurisdictional authority.


Certificate of Registration
 This is to certify that
The Quality Management System of
ARCATIA GLOBAL PVT. LTD.
 110, NAIK BUILDING, 1ST FLOOR, OPP KARNAVAT CLASSES,
 LOHAR ALI, THANE-WEST - 400601
 has been assessed and found to be in accordance with the
 requirements of the management system standard
ISO 9001:2015
 for the following scope:
**EXPORTER & IMPORTER OF PIPES & FITTINGS, WIRE-MESH,
 FASTENERS, VALVES, SANITARY ITEMS & OTHERS**

CERTIFICATE No. : 2022AZ1237Q

ISSUED DATE : 02/01/2020
 EXPIRY DATE : 01/01/2023

1ST SURVEILLANCE : 01/12/2020
 2ND SURVEILLANCE : 01/12/2021

UAF IS FULL MEMBER OF IAF


 Managing Director

For BMO Conformity Assessment Services Pvt. Ltd.
 C-58, 3rd Floor, Sector-19, Gurgaon-122015, Haryana, India
 For more information visit www.bmoindia.com or call 01292-300000
 BMO is a member of the International Accreditation Forum (IAF)
 110, Collins, Suite 100, Fairfax, VA 22030, United States of America (USA)

PRODUCT CATALOGUE

AGPL stays true to its reputation of being a renowned manufacturer and supplier of industrial pipes and fittings. The assortment of products offered by us includes Flanges & Fittings, Valves, Wire Mesh, Filler Rods, Fasteners etc... of CS, SS, & Special Grades. We deliver the best of products and services to our clients.

Before delivering the products to the market, we undergo a supreme quality checks at three different stages of Raw materials, Production, and at the finished stage that ensures 100% perfection and flawlessness. Our innovative range of products applicable for a variety of applications in high importance sectors.

Procured from the most trusted vendors, we make use of good quality of raw material in the production of our gamut of products.



FLANGES



FORGED FITTING



BUTTWELD FITTING



ROUND BARS



VALVES



WELDING
CONSUMABLES

CATALOGUE

FLANGES

Flanges are available in stainless steel, Inconel, Incoloy, Monel, Nickel alloy, Alloy steel, Titanium, Super Duplex, Duplex Steel and Lean Duplex Steel. The flanges we offer are high-quality, durable. These flanges are used in different industries such as oil & gas, petrochemical, pharmaceutical, construction, electricity and equipment.

SPECIFICATION

Size:	1/2" TO 48" (15 NB TO 600 NB)
Class:	150#, 300#, 400#, 600#, 900#, 1500#, 2500#
Dimension:	ANSI B16.5, ANSI B16.47 Series A & B, MSS SP44, ASA, API-605, AWWA, Custom Drawings
Form:	Socket Weld, Slip On, Blind, Lapped, Screwed, Weld Neck, Long Weld Neck, Reducing, Spectacle, Ring Joint Flanges
Grades:	ASTM A182, A240 F 202, 304, 304L, 304H, 316, 316Ti, 316H, 316L, 316LN, 309S, 309H, 310S, 310H, 317, 317L, 321, 321H, 347, 347H, 201, 202, 904L

FORGED FITTINGS

Forged sockets are distinguished by elevated durability, corrosion resistance, faultless finish and full reliability. Forged Fittings are accessible in stainless steel, Inconel, Incoloy, Monel, Nickel alloy, Alloy steel, Titanium, Super Duplex, Duplex Steel, and Lean Duplex Steel.

SPECIFICATION

Size:	1/2" NB to 4" NB IN
Class:	2000 LBS, 3000 LBS, 6000 LBS, 9000 LBS
Type:	Forged Socketweld Fittings, Threaded Fittings
Form:	45 deg Elbow, 90 deg Elbow, Tee, Cross, Coupling, Half Coupling, Cap, Hex Nipple etc.
Grades:	F 202, 304, 304L, 304H, 309H, 310H, 316, 316H, 316L, 316 LN, 317, 317L, 321, 321H, 347, 347H, 904L
Specification:	ASTM/ASME A182, ASME 16.11, MSS SP-79, 83, 95, 97, BS 3799

BUTT WELD FITTINGS

The industry which stand for quality & zero flaw is very common to our spectrum of Butt weld fitting. Buttweld fittings are accessible In stainless steel, Inconel, Incoloy, Monel, Nickle alloy, Alloy steel, Titanium, Super Duplex, Duplex Steel, and Lean Duplex Steel.

SPECIFICATION

Size:	1/2"NB TO 48"NB IN
Schedule:	SCH 10, SCH 20, SCH 30, SCH 40, STD, SCH 80, SCH XS, SCH 60, SCH 80, SCH 120, SCH 140, SCH 160, SCH XXS
Type:	Seamless/ERW/Welded/Fabricated
Form:	Long Radius & Short Radius Elbow 90 Deg , Long Radius Elbow 45 Deg , Long Radius & Short Radius Elbow 180 Deg (Return Bend), Reducing Elbow, Equal Tee, Unequal Tee, Cross, Concentric Reducer , Eccentric Reducer , Long Stubend , Short Stubend , Coller , Pipe Cap , Long Radius Bends
Grades:	GR WP "S" / "W" / "WX" 202, 304, 304L, 304H, 304N, 304LN, 309, 310H, 316, 316H, 317, 317L, 321, 321H, 347, 347H, 904L
Specification:	ASTM/ASME SA 403, ANSI B16.9

ROUND BAR

Round Bar are available In stainless steel, Inconel, Incoloy, Monel, Nickle alloy, Alloy steel, Titanium, Super Duplex, Duplex Steel and Lean Duplex Steel. The Round Bar we offer are high-quality, durable. Round Bar are widely used for manufacturing machinery and so on in the industrial sector.

SPECIFICATION

Range:	3.17 MM TO 350 MM DIA
Length:	1 to 6 Mtrs, Custom Cut Lengths
Finish:	Black, Bright Polished, Rough Turned, NO.4 Finish, Matt Finish, BA Finish
Form:	Round, Square, Hex (A/F), Rectangle, Billet, Ingot, Forging Etc.
Specification:	ASTM A276, A479 / ASME SA276, 479

VALVES

Ball Valve



Speciality Features	Specifications	
Size: 2"-36"(50NB-900NB)	Design	API 6D / ASME B16.34 / BS 5351 / BS17292
Class: 150-2500	Face to Face	ASME B16.10 / API 6D
Single / Two / Three Pieces CS SS Alloy DSS MOS	End to End	BW / Flanged
Trunion / Floating Ball, Full & Reduced Bore	End Flange	ASME B16.5 / DIN / BS / IS
Anti -Static Device	BW End	ASME B16.25
Blow-out Proof Stem	Test	API 598 / BS 6755 / 12266
Fire Safe Design	Fire Safe	API 607 / 6FA
Low Emission	Special	NACE MR-01-75 / 0103
Actuation Hand lever, Gear Box, Pneumatic / Electrical Actuator / Hydraulic		
Speciality-Metal To Metal Seat		

Features

Size: 1/2"-16" (15mm - 400mm)

Class: 150-300-600

3 Piece / 4 Piece CS, SS & AS MOC

T Port & L Port Design

Anti -Static Device

Blow-out Proof Stem

Fire Safe Design

Low Emission

Actuation Hand lever, Gear Box, Pneumatic / Electrical Actuator / Hydraulic

Speciality-Metal To Metal Seat

Specifications

Design ASME B16.34

Face to Face ASME B16.10 / DIN

End to End SW Type / Flange End / BW

BW End ASME B16.25

Test API 598 / BS 6755

Fire Safe API 607 / 6FA

Special NACE MR-01-75 / 0103

3 Way & 4 Way Ball Valves



Double Block & Bleed Ball Valves



Features	Specifications	
Size: 1/2"-12" (15NB-300NB)	Design	ASME B16.34 / API 6D
Class: 150-1500	Face to Face	ASME B16.10 / DIN
Three Piece CS / SS Alloy Steel MOC	End	RF / FF / RTJ
Trunion Mounted / Floating	End to End	ASME B16.5 / ASME B16.25
Full & Reduced Bore	Test	API 598 / BS 6755
Anti -Static Device	BW End	ASME B16.25 / DIN / BS / IS
Blow-out Proof Stem	Test	API 598 / BS 6755
Fire Safe Design	Fire Safe	API 607
Low Emission	Special	NACE MR-01-75 / 0103
Actuation Hand lever, Gear Box, Pneumatic / Electrical Actuator / Hydraulic		
Speciality-Metal To Metal Seat		

VALVES

Gate Valve & Pressure Seal Gate (Bolted Bonnet) Valve



Features		Specifications	
Size: 1/2"-36" (15NB - 900NB)		Design	ASME B16.34 / API 600 5352 API 600 / 603 / 602 / IS 14846
Class: 150-2500		Face to Face	ASME B16.10 / DIN
C S / CI SS / Alloys / Monel / Hastalloys / Fabricated MOC		End to End	SW/BW Type / Flanged End / RTJ
Solid / Flexible Wedge / Parallel / Double Disc		BW End	ASME B16.25
Stem Protector, Linkage, Chain Pulley and Bypass arrangement on request		Test	API 598
Specially: Bellow Sealed, Cryogenic and High Temp			
Metal to Metal and Metal to soft seat		Special	NACE MR-01-75
Manual Operated / Gear Box / Pneumatic / Electrical Actuator		End Flange	ASME B16.5 / B16.47/DIN / BS / IS / JIS

Globe Valve & Pressure Seal Globe (Bolted Bonnet) Valve



Features		Specifications	
Size: 1/2"-20" (15NB - 500NB)		Design	ASME B16.34 / BS 1873
Class: 150-2500		Face to Face	ASME B16.10 / DIN IS
C S / CI SS / Alloys / Monel / Hastalloys Steel MOC		End to End	BW Type / Flanged End / RTJ
Parabolic, Regulating, Throttle and Guide Type Plug		BW End	ASME B16.25
Straight "T" type, "Y" type, Angle Type		Test	API 598 / BS 6755
Specially: Bellow Sealed, Cryogenic and High Temp and Bypass arrangement			
Metal to Metal and Metal to soft seat		Special	NACE MR-01-75 / 0103
Manual Operated / Gear Box / Pneumatic / Electrical Actuator			

Swing Check (Bolted cover & Pressure Seal cover) Valve



Features		Specifications	
Size: 1/2"-36" (15NB-900NB)		Design	ASME B16.34 / BS 1868
Class: 150-2500		Face to Face	ASME B16.10 / DIN / IS / BS
C S / CI / SS / Alloys / Monel / Hastalloys MOC		End to End	BW Type / Flanged End / RTJ
Self Operated / Dash Pot / Counter Weight		End Flange	ASME B16.5 / ASME B16.25
Non Slam arrangement on request		Test	API 598 / BS 6755
Wafer Type / Ball Type / Piston Type / Spring Loaded			
Metal to Metal and Metal to Soft seat		Special	NACE MR-01-75 / 0103
Rubber Lining on request			

VALVES

Butterfly Valve



Features	Specifications
Size	1 1/2" - 42" (40NB -1050NB)
Type:	Wafer, Lugged, Flanged
MOC	CI / DI / CS / SS / DSS
Face to Face	API 609, BS 5155, DIN 3202, IS 13095
Flange:	DIN, BS, ANSI, IS
Mounting Flange:	ISO5211
Pressure Rating:	PN 2.5 - 25
Actuation:	Hand lever, Gear box, Pneumatic / Electrical actuator
Application:	HVAC, Water Supply & Sewage, Food & Beverage, Chemical/ Petrochemical / Processing, Power and Utilities, Paper and Pulp, Ship Building and Steam
Speciality	Double Offset / Triple Offset

Features	Specifications
Size: 2"-36" (50NB - 900NB)	Design API 6D / API 594
Class: 150-2500	Face to Face API 6D / API 594
C S / CI / SS / Alloys / Monel / Hastalloys / Fabricated MOC	End to End Wafer Type / Flanged
Self Operated	End Flange ASME B16.5 / B16.47/ DIN / BS IS / JIS
Multi Door	
Spring Loaded / Retainer Less	Test API 598 / 6D
Metal to Metal and Metal to Soft seat	
Rubber Lining on request	

Dual Plate check Valve



Forged Valve



Features	Specifications
Size: 1/2"-2" (15mm - 50mm)	Design API 602 / BS 5352 / BS 15761
Class: 150-2500	Face to Face Manufacturing Standard
C S / SS / Alloys / Monel / Hastalloys Steel Material Construction	End to End SW / BW Type / Screwd
Manual Operated / Pneumatic / Electrical Actuator	End ASME B16.11 / B 1.20.1 BW End ASME B16.25
Straight "Y" type,	Test API 598 / BS 6755
Specialty: Bellow Sealed, Cryogenic and High Temp	
Metal to Metal and Metal to Soft seat	Special NACE MR-01-75

VALVES

Knife Edge Gate Valve



Features	Specifications
Size: 2"-24" (50NB - 600NB)	Design ASME B16.34 / MSSP 81
Class: PN 2.5 - PN 25	Face to Face ASME B16.10 / MSSP 81
C S / CI / SS / Alloys / Monel MOC	End to End Flanged End / Lug Type
Bonnet and Without Bonnet Construction	
Stem Protector, Chain Pulley arrangement on request	Test API 598 / BS 6755
Speciality : Tear Gum Rubber Sleeve Arrangement for Slurry Service (Fail Free Valve)	
Metal to Metal and Metal to Soft seat	
Speciality	Tear Gum rubber Sleeve Arrangement for Slurry Service
Manual Operated / Gear Box / Pneumatic / Electrical Actuator	

Features	Specifications
Size: 1/2"-16" (15mm - 400mm)	Design ASME B16.34 / API 599 / BS 5158 / IS 10459
Class: 150-300-600	Face to Face ASME B16.10
Two / Three Way CI / CS / SS body	End to End Flanged / Screwed / BW
Hand Lever / Gear Box / Hydraulic / Electrical Actuator	End Flange ASME B16.5 / DIN / BS / IS
Jacketing / Inverting with Spring Load	BW End ASME B16.25
PTFE Sleeve body	Test API 598 / BS 6755
Isolation and Reversing	
Hardened Sleeve and Plug	

Plug Valve



Control Valve



Features	Specifications
Size: 1/2"-16" (15mm - 400mm)	Design ASME B16.34
Class: 150-2500	Face to Face ISA 75.03 (upto 600) & ISA 75.16 (900 & above)
Two / Three Way CS / SS / Silloys / Monel / Hast Alloys Material Construction	End to End Flanged / Screwed / SW / BW
Direct and Reverse Actuator Diaphragm Type, Spring Return	End Flange ASME B16.5 / DIN/ BS / IS
Electric Actuator with Integral Starter, Input 4 to 20 mA	BW End ASME B16.25
Smart / Electropneumatic / Pneumatic I/P Converter	Test FCI-70-2 (ANSI B 16.104)
Position Transmitter	Special NACE MR-01-75
Actuation: Pneumatic / Electrical Actuator	
Speciality	Cage with Pressure Balancing Arrangement

VALVES

Diaphragm Valve



Specifications	
Size	25 MM to 300 MM
Design Code	BS 5156
Pressure Rating	PN 06 - 16
MAT. Of. CON	CS / SS / ALLOYS / CI
Actuation : Hand Wheel, Pneumatic Cylinder	
Lining	Rubber, Teflon, Ceramic

Features

Size: 3/8"-10" (10mm - 250mm)

Class: 150-2500

C S / CI / SS / Alloys / Monel / Hast Alloys / MOC

Open / Closed / Lever

Spring / Dead weight

SemiNozzle / Full Nozzle

Specialty: Bellow Sealed, Cryogenic and High Temp

Metal to Metal and Metal to Soft seat

Specifications

Design ASME B16.34 / API 526 / 520

Face to End API 526

End to End SW / SCR Type / Flange End

End Flange ASME B16.5 / DIN / BS / IS / JIS

SW End ASME B16.11

Test API 527

Set Pressure Test As per client specification

Special NACE MR-01-75

Safety Valve



DIN Globe Valve



Features

Size: 1/2"-16" (15mm - 400mm)

Class: PN 6 - PN 320

Material Construction: CS / CI / SS / Alloy / Monel / Hastalloys

Y Type and Angle Type Construction

Plug design- Regulating Disk, Soft Seat, Throttling Type Guided Disk

Removable Plug Design

High Temp. Cryogenic etc.

Low Emission

Actuation : Hand Wheel, Gear Box. Pneumatic / Electrical Actuator

Speciality

Specifications

Design ASME B16.34 / DIN 3356

Face to Face DIN 3202

End to End BW Type / Flanged End / RTJ

End Flange ASME B16.5 / DIN / BS / IS

BW End ASME B16.25

Test DIN 3230

Pneumatic Test API 598 / BS 6755

Special NACE MR-01-75

Bellow Seated Arrangement

VALVES

Glandless Piston Valve



Features	Specifications	
Size: 1/2"-12" (15 mm - 300 mm)	Design	ASME B16.34
Class: PN 6 - PN 64	Face to Face	DN 3202
Material Construction: CS / CI / SS / Alloy / Monel / Hast Alloy	End to End	BW / Flanged
Effective Sealing area more than Globe Valve	End Flange	ASME B16.5 / DIN / BS / IS
100 % tight shut off	BW / SW End	ASME B16.25 / B16.11
Fire proof	Test	DIN 3230
Scrap Free valve		
High Temperature		
Actuation : Hand Wheel, Gear Box, Pneumatic / Electrical Actuator		

Bellow Seal Valve



Features	Specifications	
Size: 1/2"-24"	Design	ASME B16.34 / BS 5352 / API 600 / BS 1873 / API 602
Class: 150-2500	Face to Face	ASME B16.10
CS / SS / ALLOY / MONEL / Hastalloy Body	End to End	SW / BW / Flanged
Hand lever, Gear Box, Pneumatic / Electrical Actuator	End Flange	ASME B16.5 / DIN / BS / IS
Cycling 2000 / 10000 / 20000	SW / BW End	ASME B16.11 / B16.25
Service : Chlorine, Hot oil, Gas, High Temp.	Test	API 598 / BS 6755
Speciality : Bellow Failure Indicator on request	Bellow	Inconel / SS / Hast Alloy
Bellow Construction Single Ply / Multiple Ply	Seat	Metal to metal / Metal to soft seat

Cryogenic Valve



Features	Specifications	
Size: 1/2"-24" (15mm - 600mm) BS	Design	ASME B16.34 / BS 5351 / API 6D / 6364
Class: 150-1500	Face to Face	ASME B16.10 / API 6D
Single / Two Three Pieces Cast Steel Body	End to End	Wafer Type / Flanged End / SW
Trunion / Floating Ball, Full & Reduced Bore	End Flange	ASME B16.5 / DIN / BS / IS
Anti-Static Device	BW End	ASME B16.25
Blow-out Proof Stem	Test	API 598 / BS 6755
Fire Safe Design	Fire Safe Test	API 607 / API 6FA
Low Emission	Special	NACE MR-01-75
Actuation : Hand Lever, Gear Box, Pneumatic	Electrical Actuator	
Speciality -196 c 46c	Extended Stem	
Cold & Non Cold Box Application		

VALVES

'Y' Type Strainer



Features	Specifications
Size	25 MM TO 400 MM
Design Code	BS / DIN / IS
Pressure Rating	150 # 300 #
MAT Of CON	CS / SS / ALLOYS / CI

Features	Specifications
Size: 2"- 40" (50mm - 1000mm)	Design ASME B16.34
Class: 150-300	Face to Face Manufacturer's standard
CI / CS / SS MOC	End to End BW Type / Flanged End
Detachable Mesh On Request	End Flange ASME B16.5 / DIN / BS / IS
Back Washing on Request	BW End ASME B16.25
Mesh Size as per requirement	Test API 598 / BS 6755
On the basis of 50% clogged condition, Normal Flow rate can be provided	Pneumatic Test API 598 / BS 6755
	Special As per client's requirement

Basket Type Valve



VALVES

Our Expertise

Through Conduit Gate Valve



Motorised Valve

Rising Stem Ball Valves



Fabricated Gate Valve

Top Entry Ball Valves



Flush Bottom Valve

NON Slame Check Valve
Axial Flow Check Valve



Y Type Cast Valve

“We Supply, NOVEL, MARCK, AIRA, L&T, etc... MAKE VALVES”



WELDING CONSUMABLES

We are traders of all kinds of Special Welding Consumables. We offer an extensive range of the Welding Consumables in Special Welding Electrodes, MIG wires and TIG Wires, and etc. Our product range comprises of -

- Welding Electrodes
- Multiple application TIG Welding Wires and MIG Welding Wires
- Flux Cored Wires
- Special Application welding electrodes and wires

We trade in various brands of welding consumables which are of global repute and approvals. Our product range can ensure complete solution for your welding needs and can improve quality of your welding processes.

Our Product range serves most sophisticated industries ranging from Automotive, Chemical, Construction to Petrochemical, Shipping, Aeronautics. Steel, Shipbuilding, Cement, Transport, Offshore, Energy, Repair & Maintenance, to name a few.



FILLER METAL

STANDARD CHEMICAL COMPOSITION

Specification AWS	STANDARD STEEL FILLER METAL																	Application
	C	Mn	Si	Fe	Cr	Mo	Ni	Cb+Ta	W	N	S	P	Al	Ti	Cb	Cu	oth.	
ER 308/308H	.05	1.65	.46	BAL	20.45		9.85			.04	.005	.016						It is used welding of unstabilized stainless steels such as types 301, 302, 304, 304H, 305, 308 & 308H
ER 308L	.019	1.72	.45	BAL	20.80	.10	10.10			.05	.008	.016						It is used ideal for welding types 304L
ER 308LSi	.016	1.65	.85	BAL	20.65	.10	10.00			.05	.008	.016						It is used to weld base metal of similar composition such as AISI 301, 302, 304, 304L, 305, 308, 308L & 347
ER 309L	.021	1.75	.51	BAL	23.40	.10	12.70			.05	.006	.014						ER309 for cladding over carbon or low alloy steels, as well as for dissimilar joints that undergo heat treatment.
ER 309LSi	.019	1.85	.84	BAL	23.50	.15	12.95			.06	.004	.012						With higher silicon content to improve the bead appearance mostly used for welding dissimilar materials like mild steel to stainless steel, for a barrier layer in stainless overlays.
ER 309LMo	.014	1.75	.50	BAL	24.10	2.4	12.9			.06	0.12	0.17						Used for joining unalloyed low alloy steels/cast steel grades or stainless steels/heat-resistance chromium steels/cast steel grades to austenitic steels/cast steel grades as well as for overlay cladding.
ER 310	.91	1.90	.40	BAL	27.10	.15	20.95			.04	.003	.012						Used for the welding of stainless steels similar composition in wrought or cast form. Fully austenitic & calls low heat during welding.
ER 312	.08	1.64	.44	BAL	29.60	.08	8.90			.05	.012	.017						Designed to weld cast alloys of similar composition in welding dissimilar metals such as carbon steel to stainless steel, particularly those grades high in nickel.
ER 316L	.016	1.87	.48	BAL	19.32	2.25	13.2			.05	.010	.019						It is primarily used for welding low carbon molybdenum-bearing austenitic alloys 316, 316L
ER 316LSi	.022	1.80	.85	BAL	19.25	2.45	12.6			.05	.004	.013						It is used for welding low carbon molybdenum-bearing austenitic alloys with higher silicon content 316, 316L
ER 317L	.017	1.66	.44	BAL	19.40	3.25	13.85			.04	.006	.012						It is used for welding materials of similar chemical compositions, type 317L, materials where improved corrosion resistance in specific media is needed.
ER 318	.045	1.75	.52	BAL	18.95	2.45	11.75	.75		.05	.014	.017						For welding of 316Ti Steels.
ER 320	.04	2.05	.35	BAL	20.25	2.3	33.5	.55		.05	.003	.009					3.4	For welding 20Cb-3 stainless, offers superior resistance to corrosion.
ER 320 LR	.025	1.80	.05	BAL	19.6	2.5	34.1	.25		.04	.007	.007					3.4	In this alloy carbon, silicon, phosphorus, and sulphur levels are kept at lower levels. It is often used for welding type 320 stainless steels.
ER 347	.05	1.65	.52	BAL	19.9	.08	9.75			.04	.005	.014			.72			In this columbium stabilized welding wire used to weld types 321 & 347.
ER 385	.019	2.12	.35	BAL	20.50	4.6	25.10			.04	.015	.014					1.6	In is used for welding materials of similar chemical compositions. (UNS Number N08904).
ER 410	.11	.45	.39	BAL	12.5	.06				.010	.014							In is used to weld types 403, 405, 410 & 416. It is also used for welding overlay on carbon steels to resist corrosion, erosion or abrasion.
ER 410NiMo	.02	.45	.40	BAL	11.8	.55	4.50			.03	.009	.012						For welding & repair of 410 & 410 NiMo castings
ER 2209	.016	1.4	.45	BAL	22.40	3.20	8.50			.18	.017	.014						It is used to weld duplex stainless steels such as UNS Number N31803
Specification AWS	C	Mn	Si	Fe	Cr	Mo	Ni	Cb+Ta	W	N	S	P	Al	Ti	Cb	Cu	oth.	Application
ERNi-1	.06	.30	.40	.10			95.5				.003	.008	.5	3.0		.002		It is used to welding of nickel 200 and 201.
ERNiCrMo-4	.01	.55	.04	5.5	15.55	16.10	Bal		3.65		.002	.009				.15	V=0.25 2.10	It is used for welding of materials of similar chemical composition UNS N0276.
ERCuNi	.01	.75	.10	.55			31.0				.006	.007		.35		Bal		It is used for welding of alloy 70/30, 90/10, 80/20 Copper-Nickel.
ERNiCu-7	.05	3.45	.77	.40			65.2				.002	.009	.1	2.25		Bal		It is used for welding of alloy 400, R-405 and k-500.
ERNiCrFe-7	.03	.45	.20	7.5	30.15		Bal	.05			.002	.005	1.25	.25				It is used for gas welding of alloy 690
ERNiCr-3	.03	2.85	.22	1.1	20.4		72.9	2.53			.001	.003		.25		.15		It is used for welding of alloys 600, 601, and 690.
ERNiCrCoMo-1	.06	0.40	.11	.75	21.8	9.05	Bal				.001	.005	1.25	.25			12.45	It is used for welding of alloys 617.
ERNiCrMo-10	.008	.20	.04	3.1	21.5	13.5	Bal		3.25		.002	.005				.20	2.15	It is used for welding of alloys C-276.
ERNiCrMo-3	.009	.05	.12	.62	21.9	8.65	64.5	3.7			.002	.006	.17	.19				It is used for welding of alloys 625, 825, 25-6Mo.
ERNiFeCr-2	.04	.25	.20	Bal	19	3.10	53.3	5.05			.004	.001	.40	.90				It is used for welding of alloys 718, 706 and X 750 steel.
ERNiFeCr-1	.03	.30	.25	29.2	21.5	3.10	42.5				.003	.01	.10	.95		2.1		It is used for welding of alloys 825 & similar composition.
Specification AWS	MILD & LOW ALLOY STEEL WIRE															Application		
C	Mn	Si	Fe	Cr	Mo	Ni	V	Cu	S	P	Al	Ti	Zr					
A5.18 ER70S-2	.05	1.15	.45	Bal				.35	.018	.022	.09	.06	.04	It is a tripart deoxidized (Aluminum, Titanium, Zirconium) welding wire designed for welding over rust and mill scale				
A5.18 ER70S-6	.09	1.65	.95	Bal				.35	.018	.022				Some typical applications are truck bodies, farm implements, steel casting or forgings, shapft buildings & general shop fabrication				
A5.18 ER80S-B2	.09	.55	.48	Bal	1.35	.55		.15	.006	.012				It is designed for welding on 1-1/4 Cr 1/2 Mo steels				
A5.18 ER90S-B3	.09	.62	.48	Bal	2.55	1.10		.12	.006	.009				It is designed for welding on 2-1/4 Cr 1 Mo steels				

ELECTRODES

STANDARD CHEMICAL COMPOSITION

Specification AWS	STANDARD STEEL FILLER METAL																Application
	C	Mn	Si	Fe	Cr	Mo	Ni	Cb+Ta	W	N	S	P	Ti	Al	Cu	Co	
E-308/E-308H	0.06	1.5	0.4	Bal	20.5		9.5				.005	0.02					It is used to weld base metal of similar composition as AISI 301, 302, 304, 304H, 308, 308H, & 347. 308L-16 is used to weld base metal of similar composition such as AISI 301, 302, 304, 304L, 305, 308, 308L & 347.
E308L-16	.03	1.65	.43	Bal	19.40		9.3			*	.020	.021					
E309-16	.08	1.70	.52	Bal	23.50		12.30			*	.021	.024					It is used welding of 22% Cr, 12% Ni, Stainless Steel 309, AISI and dissimilar metals such as Stainless Steel or low alloy steel.
E309L-16	.035	1.58	.53	Bal	23.45		12.6			*	.021	.024					
E306Cb-16	.08	1.65	.56	Bal	23.10		12.9	.79		*	.019	.022					Electrode is designed for special applications requiring columbium with 22% chromium and 12% nickel.
E306Mo-16	.07	1.45	.52	Bal	23.2	2.4	13.3			*	.019	.025					Primarily used for welding type 316L and 316 class steel, or welding molybdenum containing austenitic stainless steel to carbon steel, provided the service temperature is less than 600°F
E310-16	.11	1.9	.52	Bal	26.2		20.95			*	.012	.016					Electrode is used for joining steel of type AISI 310 or non-alloyed steels electrode can be used in air up to about 2000°F
E310Cb-16	.12	2.00	.52	Bal	26.4		21.4	.79		*	.022	.020					Electrode is designed for special applications requiring columbium with 25% chromium and 20% nickel.
E310H-16	.41	2.15	.52	Bal	26.25		21.4			*	.021	.019					Electrode is used for joining steel of type AISI 310 with high carbon.
E310Mo-16	.12	2.05	.48	Bal	26.40	2.3	21.30			*	.019	.024					E310Mo-16 electrodes are intended for welding of type 316 clad steels.
E312-16	.12	1.80	.56	Bal	29.3		9.4			*	.021	.022					It is used for welding of metals where high strength is needed or where high abrasive conditions are present. It is recommended for dissimilar metal joint welding such as mild or low alloy steel to stainless steels.
E316L-16	.035	1.75	.52	Bal	18.70	2.30	12.65			*	.022	.024					It is recommended for welding base metals such as 316 & 316L. The Molybdenum content provides creep resistance at elevated temperatures
E317L-16	.035	1.65	.55	Bal	18.75	3.40	13.00			*	.019	.022					It is used for welding of stainless steel 317L
E347-16	.055	1.65	.52	Bal	19.15		10.15	.75		*	.017	.024					This electrode is recommended for welding grades of similar composition such as 304, 302, 321 & 347
E385-16	.015	2.10	.45	Bal	20.50	4.60	25.20			*	.009	.018			1.75		used for joining high alloyed ductile austenitic stainless steels such as W-Nr. (ASTM B-625 and 904L, 1.4500, 1.4505, 1.4506, 1.4531, 1.4536, 1.4585 and 1.4586
E410-16	.12	.68	.52	Bal	12.10					*	.021	.022					Designed to weld stainless steels of similar chemical composition as well as to overlay carbon steels to impart corrosion, erosion and abrasion.
E2209-16	.02	1.65	.52	Bal	22.4	3.3	8.9			.16	.012	.016					It is used to weld duplex stainless steels such as UNS Number N31803.
NICKEL/ HIGH NICKEL COVERED ELECTRODES																	
ENi-1	0.4	.45	.50	.35			Bal				.005	.01	1.05				It is used for shielded metal-arc welding of Nickel 200 & 201.
ENiCu-7	.03	3.20	.90	.95			67.6				.006	.009	.65	.05	28.2		It is used for welding of alloys 400, R 405 and K-500
ECuNi	.01	1.80	.35	.62			30.5				.004	.009	.20		Bal		It is used for welding of wrought or cast 70/30, 80/20, & 90/10 copper-nickel alloys
ENiCrFe-2	.04	1.75	.32	8.50	15.50	1.50	71.15	1.25			.006	.009					Alloy A Electrodes are use for welding of alloys 800 & 800HT, alloys 600 & 601
ENiCrFe-3	.03	6.50	.42	7.4	15.25		68.6	1.75			.007	.012	.20				It is used for welding of alloys 600, 601 and 690
ENiCrFe-7	.03	4.12	.35	8.15	30.15		Bal	1.75			.007	.010	.20				
ENiCrMo-3	.03	.75	.35	3.50	21.75	9.15	Bal	3.75			.005	.010					It is used for welding of alloys 625, alloy 825, alloy 25-6Mo,
ENiCrMo-4	.012	.40	.14	5.5	15.50	16.10	59.1		3.25		.004	.012				2.1	Alloy C-276 is also used as welding alloy C-276
ENiCrMo-10	.014	.35	.16	3.90	21.20	13.3	Bal		3.30		.005	.012				2.1	It is used for welding of alloys 22, 622 & 625
ENiCrCoMo-1	.12	.45	.35	1.50	21.65	8.80	Bal				.005	.012					It is used for welding of alloy 617.
ENiFeCl	.9	.74	2.09	40.2			54.5				.006	.012	.10	.65		11.85	For welding of cast iron to steel & other ferrous & non-ferrous metals
ENiCl	.85	.25	1.73	4.2			91.5				.005	.015			1.45		For welding of cast iron to themselves or other dissimilar metals
MILD STEEL & LOW ALLOY STEEL ELECTRODES																	
E-6013	.07	.45	.32							.012	.015						Welding of steel sheet structures, light structural steel, automobile bodies & machinery guards.
E-7018	.07	.97	.57														Welding of 490N/mm ² class high strength steel of ships, buildings & pressure vessels.
E-8018-B2	.09	.65	.45		1.15	.50					.01	.01					Welding of 4.25% Cr, 0.5%Mo steels used for stem pipes of boilers for electric power plant & equipments of oil refining industries
E-9018-B3	.08	.65	.45		2.25	1.15					.01	.01					Welding of 9%Cr-1%Mo steels such as P91, T91 & F91 used in heavy wall components such as main steam piping and turbine rotors in fossil fuelled power generating plants
E-8018-B6	.08	.80	.50		4.8	0.55	0.3				.01	.01					Welding of 5% Cr, 0.5% Mo, creep resisting steels normally used in pressure vessels & piping for high temperature service.
E-8018-B8	.08	.80	.50		9.2	1.05	.25				.01	.01					Welding of 9% Cr, 1%Mo, creep resisting steels normally used in pressure vessels & piping for high temperature service.
E-9015/6-B9	.10	.90	.20		9.2	.95	0.6			0.5	.007	.007		.03	.12		Welding of 2.25%Cr-1%Mo steels used for electric power plant, equipments of oil refining industries & chemical industries

WELDING PRODUCTS SELECTOR CHART

Nickel Alloy Welding Consumables Suggested Selections

	Alloy 200	Alloy 400	Alloy 600	Alloy 625	Alloy 686	Alloys 803, 800 and 800H/HT	Low alloys & Nickel Steels	Carbon Low Alloy & Nickel Steels	3 - 30% Chromium Steels	Austenitic Stainless Steels	Duplex and Super Duplex Stainless Steels	Cast high-temperature alloys	Copper-Nickel alloys
Alloy 200	ERNI-1 ENI-1	ERNICu-7 ERNI-1	ERNIC-3 ERNI-1	ERNICMo-3 ERNIC-3 ERNI-1	NICMo-14 ERNICMo3 ERNIC-3 ERNI-1	ERNIC-3 ERNI-1	ERNICMo3 ERNI-1	ERNIC-3 ERNI-1	ERNIC-3 ERNI-1	ERNIC-3 ERNI-1	NICMo-14 ERNIC-3	ERNIC-3 ERNI-1	ERNICu-7 ERCUNI ERNI-1
Alloy 400	ERNICu-7 ENI-1	ERNICu-7 ERNICMo-3 ENICu-7	ERNICMo3 ERNIC-3	ERNICMo-3 ERNIC-3 ERNI-1	NICMo-14 ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3	ERNICMo3 ERNIC-3	ERNICMo3 ERNIC-3 ERNICu-7	ERNICMo-3 ERNIC-3 ERNICu-7	ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3	ERNICu-7 ERCUNI ERNI-1
Alloy 600	ENICFe-2 ENICMo-3 ENICFe-3 ENI-1	ERNICFe-2 ENICMo-3 ENICFe-3	ERNIC-3 ENICFe-2 ENICFe-3	ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo3 ERNIC-3	ERNICCoMo-1 ERNICMo-3 ERNIC-3	ERNICMo3 ERNIC-3	ERNICMo3 ERNIC-3	ERNICMo-3 ERNIC-3	ERNICCoMo-1 ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo-3	ERNICCoMo-1 ERNICMo-3 ERNIC-3	ERNIC-3 ERNI-1
Alloy 625	ENICFe-2 ENICMo-3 ENICFe-3 ENI-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICFe-3	ERNICMo-3 ENICMo-3	NICMo-14 ERNICMo-3	ERNICCoMo-1 ERNICMo-3 ERNIC-3	ERNICMo3 ERNIC-3	ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo-3 ERNIC-3	ERNICCoMo-1 ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo-3	ERNICCoMo-1 ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3 ERNI-1
Alloy 686	ENICFe-2 NICMo-14 ENI-1	NICMo-14 ENICFe-2 ENICMo-3	ENICFe-2 ERNIC-3 NICMo-14	NICMo-14 ENICMo-3	NICMo-14 NICMo-14	NICMo-14 ERNICCoMo-1 ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo3 ERNIC-3	NICMo-14 ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo-3 ERNIC-3	NICMo-14	NICMo-14 ERNICCoMo-1 ERNIC-3	NICMo-14 ERNICMo-3 ERNI-1
Alloys 800, 803 and 800H/HT	ENICFe-2 ENICMo-3 ENICFe-3 ENI-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICCoMo-1	ENICFe-2 ENICMo-3 ENICCoMo-1 ENICFe-3	ENICFe-2 NICMo-14	ERNICCoMo-1 ERNIC-3 ENICFe-2 ENICCoMo-1	ERNICMo3 ERNIC-3	ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3	ERNICCoMo-1 ERNICMo-3 ERNIC-3	NICMo-14 ERNICCoMo-1 ERNIC-3	ERNICCoMo-1 ERNICMo-3 ERNIC-3	ERNICMo-3 ERNI-1
Alloys 825 & Super Austenitic & Stainless Steel	ENICFe-2 ENI-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICCoMo-1	ENICMo-3 ENICMo-10 NICMo-14	NICMo-14 ENICMo-3	ENICFe-2 ENICMo-3 ENICCoMo-1 ENICFe-3	ERNICMo3 NICMo-14 ENICMo-3 NICMo-14	ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3	ERNICMo-3 ERNI-1
Carbon Low alloys & Nickel Steels	ENICFe-2 ENICMo-3 ENICFe-3 ENI-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICCoMo-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 NICMo-14 ENICMo-3 ENICFe-3	ERNICMo-3 ERNIC-3 ENICFe-2 ENICMo-3	ERNICMo-3 ERNIC-3 ENICFe-2 ENICMo-3	ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3	ERNICMo-3 ERNI-1
3 - 30% Chromium Steels	ENICFe-2 ENICMo-3 ENICFe-3 ENI-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICCoMo-1	ENICMo-3 ENICFe-2	ENICFe-2 NICMo-14 ENICMo-3 ENICFe-3	ERNICMo-3 ERNIC-3 ENICFe-2 ENICCoMo-1	ENICFe-2 ENICMo-3 ENICCoMo-1	ERNICMo-3 ERNIC-3 ENICFe-2 ENICMo-3	ERNICMo-3 ERNIC-3 ENICFe-2 ENICMo-3 ENICFe-3	ERNICMo-3 ERNIC-3	NICMo-14 ERNICMo-3 ERNIC-3	ERNICMo-3 ERNIC-3 ERNICCoMo-1	ERNICMo-3 ERNI-1
Austenitic Stainless Steels	ENICFe-2 ENICMo-3 ENICFe-3 ENI-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICCoMo-1	NICMo-14 ENICMo-3 ENICFe-3	ENICFe-2 NICMo-14 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICCoMo-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICFe-3	NICMo-14 ERNIC-3 ENICMo-3	NICMo-14 ERNIC-3	ERNIC-3	ERNICMo-3 ERNI-1
Duplex and Super Duplex Stainless Steels	NICMo-14 ENICFe-2 ENI-1	NICMo-14 ENICFe-2	NICMo-14 ENICFe-2	NICMo-14 ENICMo-3	NICMo-14 ENICMo-3	NICMo-14 ENICFe-2	NICMo-14 ENICFe-2	NICMo-14 ENICFe-2	NICMo-14 ENICFe-2	NICMo-14 ENICFe-2	NICMo-14 NICMo-14	NICMo-14 ERNIC-3	NICMo-14 ERNIC-3
Cast high-temperature alloys	ENICFe-2 ENICMo-3 ENICFe-3 ENI-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICCoMo-1	ENICFe-2 ENICCoMo-1	NICMo-14 ENICCoMo-1	ENICFe-2 ENICCoMo-1	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICFe-3	ENICFe-2 ENICMo-3 ENICCoMo-1	ENICFe-2 ENICMo-3 ENICCoMo-1	NICMo-14 ENICFe-2	ERNICCoMo-1 ERNIC-3 ENICFe-2 ENICCoMo-1	ERNIC-3 ERNI-1
Copper-Nickel alloys	ECUNI ENICu-7 ENI-1	ECUNI ENICu-7 ENI-1	ENICFe-2 ENICCoMo-1 ENI-1	ENICFe-2 ENICMo-3 ENI-1	NICMo-14 ENI-1	ENICFe-2 ENICFe-3 ENI-1	ENICFe-2 ENICFe-3 ENI-1	ENICFe-2 ENICFe-3 ENI-1	ENICFe-2 ENICFe-3 ENI-1	ENICFe-2 ENICFe-3 ENI-1	NICMo-14 ENICFe-2	ENICFe-2 ENICFe-3 ENI-1	ERCUNI ECUNI

Data contained in this publication are typical of the products and properties described, but are not suitable for specifications
 INCONEL, MONEL, INCOLOY, INCO-WELD, INCOFLUX, INCO-CORED, Ni-ROD, NILO, 686CPT and 725 NDUR are trademarks of their respective owners.

OTHER WIRES

Specification AWS	FLUX CORED WIRE															Application	
	C	Mn	Si	Fe	Cr	Mo	Ni	Cb+Ta	Ca	N	S	P	Ti	Al	Cu		Co
E-308 T1-1	.06	1.2	0.9		18.8	.01	9.7					0.015					It is used for welding 304, 308, 374, type 304H, 347H. It was developed for out-of-position welding, this flux cored wire will deposit out of position welds at substantially.
E-308LT1-1	.032	1.2	0.8		19.5		10.0					0.015					It is flux cored wire used for welding types 301, 302, 304, 304L, 308 & 308L. It was developed for out-of-position welding.
E-316LT1-1	.038	1.3	0.9		18.5	2.5	12.3					0.015					It is used for welding types 316 & 316L Stainless.
E-309LT1-1	.032	1.2	0.5		22.25		12.25										It is designed for welding type 309 wrought or cast form, but used extensively for welding type 304 to mild or carbon steel.
E-347T1-1	.032	1.2	0.9		19.6		9.6	0.5				0.018					It was developed to weld types 347, 304, 304L and 321 stainless, where service temperatures are below 600°F (316°C)
E-309LMoT1-1	0.32	1.2	0.8		23.15	2.45	14.15					0.014					
E-2209T1-1	.03	.95	0.8		22.5	3.0	9.0					0.015					It is an all position duplex stainless steel flux cored wire. (UNS S31803, commonly known as 2505.
E-71-T1	0.06	1.31	0.60								0.016	0.014					It is an all position flux cored wire that 1M is Desined For Welding mild and medium-carbon steels

Specification AWS	ALUMINIUM ALLOY FILLER WIRE											Application
	Si, %	Fe, %	Cu, %	Mn, %	Mg, %	Cr, %	Zn, %	Ti, %	% other ^a elements, each ^c total		Al, %	
ER1100	-	-	0.05-0.20	0.05	-	-	0.10	-	0.05	0.15	99.00	Its recommended for welding 1100 and 3003 aluminum sheets, plates, and shapes.
ER4043	4.5-6.0	0.8	0.30	0.05	0.05	-	0.10	0.20	0.05	0.15	Bal.	It is recommended for welding 2014, 5052, 6061, and 6101 (in various conditions of heat treatment and 6063 sheets, plates and shapes). It is typically.
ER4047	11.0-13.0	0.8	0.30	0.15	0.10	-	0.20	-	0.05	0.15	Bal	It is recommended for torch brazing and dip or furnace brazing of the following grades of wrought aluminum : 1060, 1100, 3003, 5005, 6061, 6063, and cast alloys A6 12 and
ER5183	0.40	0.40	0.10	0.50-1.0	4.3-5.2	0.05-0.25	0.25	0.15	0.05	0.15	Bal.	It is most Frequently used on 5083 base plate. It is also used to weld 6061, 6063, 5086, 7005 and 7039 alloys
ER5356	0.25	0.40	0.10	0.05-0.20	4.5-5.5	0.05-0.20	0.10	0.06-0.20	0.05	0.15	Bal.	It is recommended for welding 5050, 5052, 5083, 5154, 5356, 6061 and 6063 aluminum alloys
ER5556	0.25	0.40	0.10	0.50-1.0	4.7-5.5	0.05-0.20	0.25	0.05-0.20	0.05	0.15	Bal	It is recommended for welding 5083, 5086 and 5456 high tensile aluminum alloys.

Specification AWS	TITANIUM ALLOY FILLER WIRES										Application
	C	O	H	N	Fe	Al	Pd	V	Yt		
ERTi-1	0.03	0.10	0.005	0.015	0.10						They are typically used in seawater and brackish water heat exchangers, chemical process heat exchangers, pressure vessels and piping systems, pulp bleaching systems, air pollution control scrubbers, electrochemical and chemical storage tanks. These grades also have uses in the aerospace industry.
ERTi-2	0.03	0.10	0.008	0.020	0.20						
ERTi-5	0.05	0.18	0.015	0.030	0.30	5.5-6.7		3.5-4.5	0.005		Its high strength, ability to be heat treated, weld ability, excellent fatigue strength, and hardness make this alloy excellent for industrial fans, pressure vessels, aircraft components, compressor blades, and automotive and jet engine parts.
ERTi-7	0.03	0.10	0.008	0.020	0.20		0.12-0.25				This alloys extends the use of titanium into mildly reducing media, to much higher chloride levels, or where the environment fluctuates between oxidizing and reducing.

Specification AWS	COBALT BASE ALLOYS WELDING ELECTRODES/BARE WIRES											Application
	C	Mn	Si	Cr	Ni	Mo	Fe	W	Co	Others		
<u>Grades 6</u> (ECoCr-A) (ERCoCr-A)	0.7-1.4 0.9-1.4	2.0 1.0	2.0 2.0	25.0-32.0 26.0-32.0	3.0 3.0	1.0 1.0	5.0 3.0	3.0-6.0 7.0-9.5	Bal Bal	1.0 0.50	High pressure-high temperature valves, agitators, chain saw bars, digestors, hot oil pump parts, extruder screws, scraper knives, hot trimming dies, hot punches,	
<u>Grade 1</u> (ECoCr-C) (ERCoCr-C)	1.7-3.0 2.0-3.0	2.0 1.0	2.0 2.0	25.0-33.0 26.0-33.0	3.0 3.0	1.0 1.0	5.0 3.0	11.0-14.0 11.0-14.0	Bal Bal	1.0 0.50	Seals, rotors, steam turbine parts, mixer blades, extrusion dies, saw blades, rolling mill guides, pump impellers, carbon scrapers, engine crossheads, hydropulper disc parts.	
<u>Grade 12</u> (ECoCr-B) (ERCoCr-B)	1.0-1.7 1.2-1.7	2.0 1.0	2.0 2.0	26.0-32.0 26.0-32.0	3.0 3.0	1.0 1.0	5.0 3.0	7.0-9.50 7.0-9.50	Bal Bal	1.0 0.50	Tipping saw blades, chipping knives, paper slitters, cutters rolls, drawing dies, turbine blades, impeller pumps, conveyor screws, valve seats, cold working tools.	
<u>Grade 21</u> (ECoCr-E) (ERCoCr-E)	0.15-0.40 0.15-0.45	1.5 1.5	2.0 1.5	24.0-29.0 25.0-30.0	2.0-4.0 1.5-4.0	4.5-6.5 4.5-7.0	5.0 3.0	0.50 0.50	Bal Bal	1.0 0.50	Hot forming dies, hot working tools, pump shafts, high pressure-high temperature valves, valves seats, mixer blades, mill cutters, pump mill screws, gas turbines.	

FASTENER

FASTENER

Type	:- Stud Bolts (Hex, Eye, Square, (U, J,) Nuts, (Nylock,) Washer (Star, Plain), Allen Caps, Screws, (CSK, Pen Head, Philip) etc.
Stainless Steel Fastener	:- ASTM A - 193 & 194 Gr. B8, B8M, B8C, 8, 8M, 8C ect.
DuplexSteel	:- 2205, 31803, 32750, 32760, 2101, 2304.
High Tensile Fastener	:- ASTM A - 193 & A 194 Gr. B7, B7M, B16, L7, L43, 2H, 2HM.
Cu-NI Fastener	:- C70400, C70600, (90 : 10). C71000, C71500 (70 : 30), C7 1640.
Nickel Fastener	:- UNS N02200, N05500.
Monel Fastener	:- UNS N04400, N05500.
Titanium Fastener	:- Gr. 1, 2, 3, DIN3, 7025, Dln3., 7035, DIN3, 7055.



REFRACTORY ANCHORS





Stainless Steel
Grades: 304, 316, 310

We are trader in cement, steel & furnace industries for refractory anchors. We are also manufacturing anchors for Oil & Gas refinery, Power Plants, Chemical Plants and other related industries. We are consistently research and develop modern methods to meet new demands of customers. We also offer customized solution and technical expertise for the refinement of existing method to meet increased demands and quality productions for our customers.

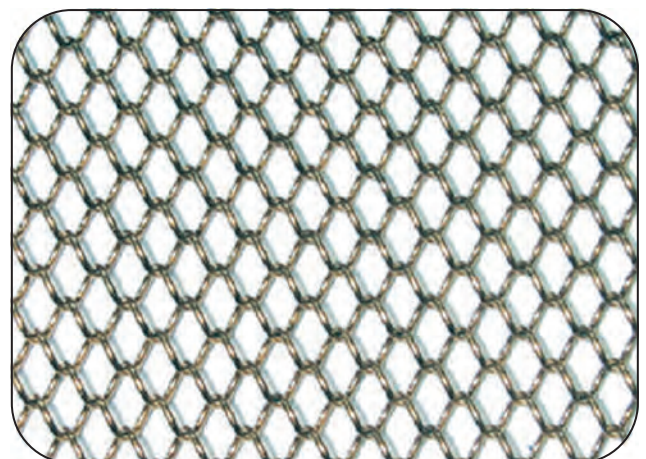
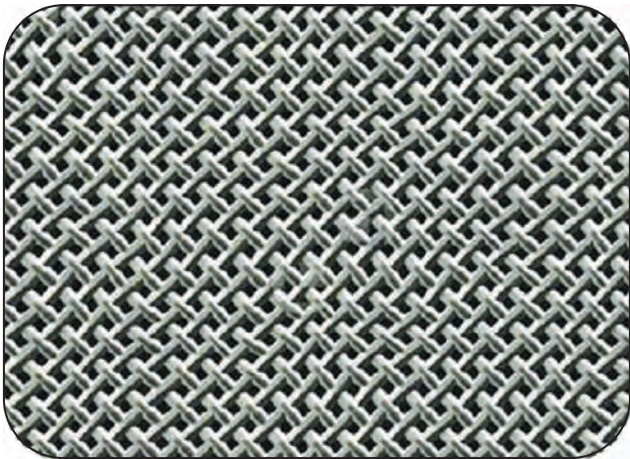
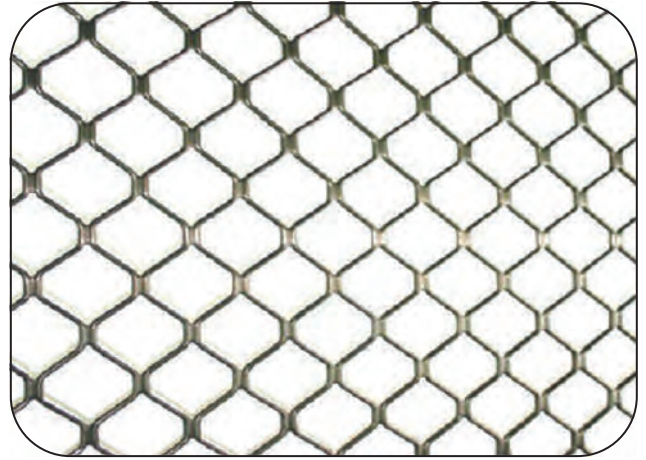
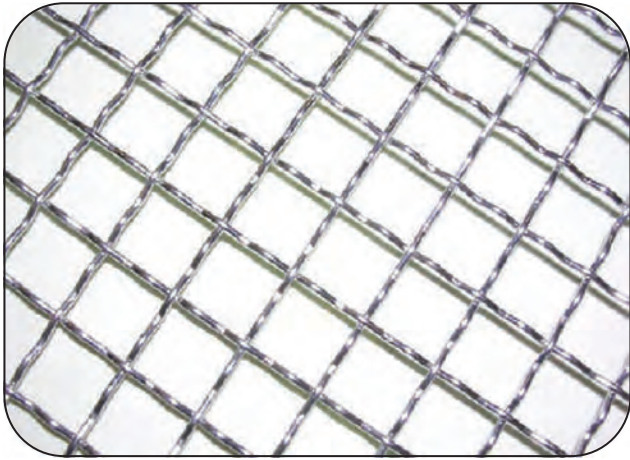
Our organization will assure the delivery of satisfaction to customer will be our primary priority. We also thank to the customers who give us supports and trust for giving us the opportunity as the refractory solution partner.

We produce a wide range of standard anchoring systems, to match all types of lining. We offer anchors suitable for single and dual layer lining, brick, ceramic, fiber and castable refractory.

Range & Form V shape, Y shape and crook anchors but as per clients drawings and requirements.

 <p>Spiral-Y-Anchors</p> <p>We are specialized in offering superior quality Spiral Y-Anchors, these are widely used in various industrial applications.</p> <p>Specifications</p> <p>215 X 145 X 5 MM. 190 X 45 X 5 MM. 185 X 105 X 5 MM. 175 X 30 X 5 MM. 155 X 70 X 5 MM. 90 X 30 X 5 MM. 80 X 30 X 5 MM.</p>	<p>Anchors and Crook Anchors</p> <p>We offer an comprehensive range of refractory anchors for the cement, steel and petrochemical industry - for the retaining of castable and brick linings.</p> <p>Y Anchors and Crook Anchors are offered for immediate dispatch.</p> <p>Various C Clips and Hangers for ceramic anchors to suit individual requirements.</p> <p>Specifications</p> <p>230 X 115 X 05 MM. 200 X 100 X 05 MM. 150 X 75 X 05 MM. 75 X 25 X 05 MM.</p>
 <p>V-Anchors</p> <p>We are supplier of V-Anchor, to match all types of lining for cement, ceramic, steel, petrochemical, refinery industry for the retaining of monolithic, ceramic fiber and brick linings. Our anchors are suitable for single & dual layer lining, brick, ceramic, fiber and monolithic.</p> <p>All refractory anchor made from stainless steel [SS] 304, 310, Alloy 601- Inconel and other heat resistant alloys.</p> <p>Specifications</p> <p>55 X 15 X 05 MM.</p>	<p>U-Anchors</p> <p>We offer superior quality U-Anchors, these can be availed in various specifications like</p> <p>Specifications</p> <p>55 X 16 X 05 MM. 225 X 27 X 05 MM. Wing Nut Type</p>

WIRE MESH

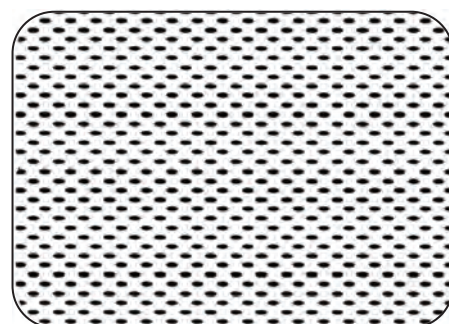
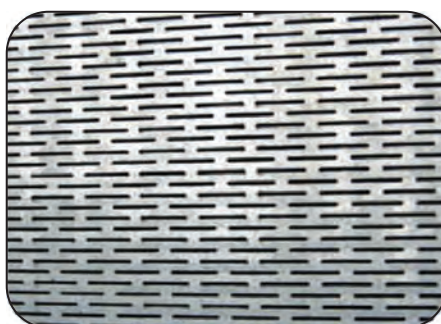
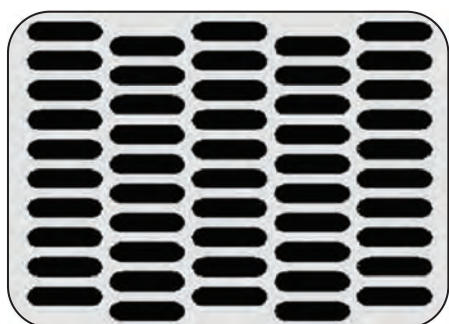
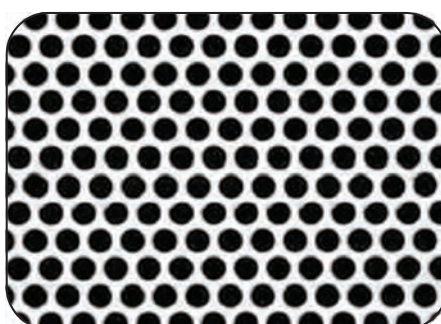
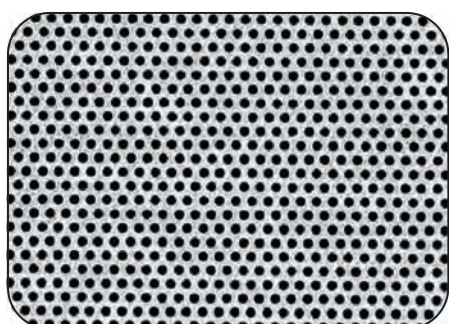
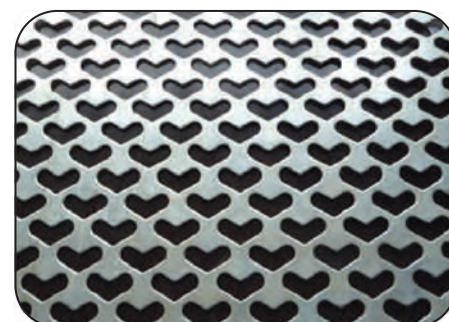


We are engaged in supplying wire mesh and cloth made of stainless steel, which gives it more attractive look and durability.

Our range includes -

- Crimped Wire Mesh
- Wire Netting
- Welded Wire Mesh
- SS Wire Mesh
- Woven Wire Cloth

PERFORATED SHEETS



We offer market extensive ranges of perforated sheets like galvanized, staggered, galvanized ms, stainless steel, plain steel perforated metal, triangular pitch perforated MS sheets, perforated metal sheets etc. The raw materials used by us are procured by highly reliable vendors, thereby making sure quality at the initial stage itself.

Our perforated sheets possess high tensile strength, durability and ability to withstand high temperature. We provide these sheets at industry standards sizes & specifications and also at customized dimensions as per the client's requirements.

- Galvanized MS Perforated Sheet
- Perforated MS Sheet with Triangular Pitch
- Perforated Metal Sheet
- Plain Steel Perforated Metal
- Galvanized Perforated Sheet
- Staggered Perforated Sheet

PRODUCT RANGE

NICKEL ALLOYS

INCONEL® & INCOLOY®

- INCONEL® 600
- INCONEL® alloy 601
- INCONEL® alloy 625
- INCONEL® alloy 690
- INCONEL® alloy 617
- INCONEL® alloy 718
- INCONEL® alloy X-750
- INCOLOY® alloy 800
- INCOLOY® alloy 825

MONEL®

- MONEL® alloy 400
- MONEL® alloy K-500

NICKEL

- NICKEL 200
- NICKEL 201

HASTELLOY®

- HASTELLOY C-276®
- HASTELLOY C22®
- HASTELLOY B-2 & B-3®
- HASTELLOY C4® & C2000

TITANIUM ALLOYS

- CP Titanium Grade 1
- CP Titanium Grade 2
- CP Titanium Grade 4
- Titanium Grade 11
- Titanium Grade 12
- Titanium Grade 5/Titanium 6AL4V
- Titanium Grade 6/Titanium 5Al 2.5Sn
- CP Titanium Grade 7



Aerospace Components, Automotive, Defence, Medical Implants, Jewellery, Refineries, Tank, Vessel, Heat Exchanger, Valves, Food Processing, Textile Equipment, Heat Exchanger Tubes etc.

STAINLESS STEELS

STAINLESS STEEL

304L, 316L, 309, 310, 321, 347, 316Ti, 410, 409, 420, 430, 444, 17-4-Ph, 15-5Ph etc.

SUPER STAINLESS STEEL

904L, Alloy – 20, 254SMo, A - 286, AL6 - XN, 253 MA.

DUPLEX & SUPER DUPLEX STAINLESS STEEL

- DUPLEX 2205, 2101
- Super Duplex 2507 & Other
- Super Duplex 2553

EXOTIC ALLOYS

Tantalum | Molybdenum | Hafnium | Niobium | Rhenium | Tungsten
Beryllium Copper

Compositions of Nickel Alloys Grades

Maximum weight % unless a range or minimum is shown

	200	201	400	K500	600	625	718	800	825	C276	C22
Ni	90.0 min	99.0 min	63-70 (3)	63.0 min (3)	72.0 Min	Rem (2)	50.0 - 55.0	30.0 - 35.0	38.0 - 46.0	Rem (2)	Rem (2)
C	0.15	0.02	0.2	0.18	0.15	0.10	0.08	0.10	0.05	0.02	0.015
Mn	0.35	0.35	2.0	1.5	1.00	0.50	0.35	1.5	1.0	1.0	0.50
Si	0.35	0.35	0.5	0.5	0.50	0.50	0.35	1.0	0.5	0.08	0.08
P	-	-	0.02	-	-	0.015	0.015	-	0.03	0.030	0.020
S	0.01	0.01	0.015	0.01	0.015	0.015	0.015	0.015	0.03	0.030	0.020
Cr	-	-	-	-	14.0 - 17.0	20.0 - 23.0	17.0 - 21.00	19.0 - 23.0	19.5 - 23.5	14.5 - 16.5	20.0 - 22.5
Mo	-	-	-	-	-	8.0 - 10.0	2.8 - 3.30	-	2.5 - 3.5	15.0 - 17.0	12.5 - 17.5
Cb	-	-	-	-	-	3.15 - 4.15	4.75 - 5.50	-	-	-	-
Ta	-	-	-	-	-	0.05	0.05	-	-	-	-
Co	-	-	-	-	-	1.00	1.00	-	-	2.5	2.5
Ti	-	-	-	0.35-0.85	-	.40	0.65 - 1.15	0.15 - 0.60	0.6 - 1.2	-	-
Al	-	-	0.5	2.30-3.15	0.40	0.40	0.20 - 0.80	0.15 - 0.60	0.2	-	-
Fe	0.4	0.4	2.5	2.0	6.0 - 10.0	5.00	Rem (2)	Rem (2)	Rem (2)	4.0 - 7.0	2.0 - 6.0
Other	-	Cu,0.25 max	pb, 0.006 ; Sn, 0.006; Zn, 0.02	Cu, 27.0-33.0 (4)	Cu, 0.50	(1)	B, 0.006; Cu, 0.30, (1)	Cu, 0.75	Cu, 1.5 - 3.0	V, 0.35; W, 3.0 - 4.5	V, 0.35; W, 2.5 - 3.5
Source	UNS N02200	UNS N02201	UNS N04400	UNS N05500	UNS N06600	UNS N06625	UNS N07718	UNS N08800	UNS N08825	UNS N10276	UNS N06022

(1) See specification for additional residual element requirements

(2) remainder (3) Ni + Co (4) Cu + Ag Available Product Forms : Pipe, Tube, Fitting, Flange, Sheet, Strip, Plate, Round Bar, Flat

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APPLICATION INDUSTRIES



AIRLINE



AUTOMOBILE INDUSTRY



WATER TREATMENT PLANT



CONSTRUCTION INDUSTRY



PNEUMATIC INDUSTRY



MINE INDUSTRY



EFFLUENT & SEWAGE DISPOSAL



PHARMACY INDUSTRY



CHEMICAL INDUSTRY



CHILLING PLANTS



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(An ISO 9001 : 2015 Certified Company)

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