ASC
AMARDEEP STEEL CENTRE

AMARDEEP STEEL CENTRE LLP

COMPLETE PIPING SOLUTIONS

Global supply. Ready stock. Reliable service.



GLOBAL EXPORTER

READY STOCK AVAILABLE

PRECISION ENGINEERING

ASTM / ASME STANDARDS

FAST WORLDWIDE DELIVERY

deepak@amardeepsteelllp.com

www.amardeepsteel.com

ABOUT COMPANY

Established in 1984, Amardeep Steel Centre LLP is a Mumbai-based supplier, exporter, importer and stockist of industrial raw materials and process equipment. We support customers in India and worldwide with ferrous and non-ferrous metals, material expertise, sourcing capabilities and dependable service.

Represented by agents in the **USA & Oman.**



1984
ESTABLISHED

40+
YEARS OF INDUSTRY EXPERIENCE

GOVERNMENT RECOGNISED EXPORT HOUSE

deepak@amardeepsteelllp.com

www.amardeepsteel.com

AMARDEEP STEEL CENTRE LLP



OUR GLOBAL

CLIENTS

HP · Alfa Laval · vedanta · BHEL · SIEMENS · Aditya Birla Group · IndianOil

Reliance Industries Limited · KNPC · Kuwait Oil Company · L&T · TATA · Jindal Steel & Power · NTPC

Qatar Petroleum · ESSAR · sabic · ONGC · Bharat Petroleum · TOYO ENGINEERING · THERMAX

OUR GLOBAL

SOURCING ABILITIES

ArcelorMittal · KOBELCO · BAOSTEEL · V&M · RATNAMANI METALS & TUBES LTD. · ZENITH STEEL PIPES & INDUSTRIES LTD

WELSPUN · NIPPON STEEL · Tenaris · Sumitomo · SANDVIK · outokumpu

posco · TK Corporation · INTERPIPE STEEL · TUBACEX · HARDOX WEARPARTS

Jindal Steel & Power · SAIL · JFE · TUBOS REUNIDOS, S.A. · DONGKUK STEEL · HYST Hengyang Valin Steel Tube Co., Ltd

APPROVED MILL MATERIALS

WHICH WE CAN SUPPLY

IBR Approved · ADNOC · sabic · saudi aramco · ExxonMobil · EIL ENGINEERS INDIA LIMITED

PED CERTIFIED · KNPC · Kuwait Oil Company · TOYO ENGINEERING · BHEL

AMARDEEP STEEL CENTRE LLP

CERTIFICATIONS & AWARDS


Government of India / भारत सरकार
Ministry of Commerce and Industry / वाणिज्य और उद्योग मंत्रालय
Department of Commerce / वाणिज्य विभाग
Directorate General of Foreign Trade / विदेश व्यापार महानिदेशालय
भान्यता प्रमाणपत्र
Certificate of Recognition
एक सितारा निर्यात हाउस
One Star Export House
R.K. MISHRA
Additional DGFT

EXPORT HOUSE



MSME



EXPORT EXCELLENCE (FIEO)


भारत सरकार
GOVERNMENT OF INDIA
वाणिज्य एवं उद्योग मंत्रालय
MINISTRY OF COMMERCE & INDUSTRY
विदेश व्यापार महानिदेशालय
DIRECTORATE GENERAL OF FOREIGN TRADE
मान्यता प्रमाण पत्र
Certificate of Recognition
एक सितारा निर्यात सदन
ONE STAR EXPORT HOUSE
are hereby accorded the status of One Star Export House in accordance with the provisions of the Foreign Trade Policy, 2015-2020. This Certificate is valid for a period of ..... years effective from ..... subject to the conditions prescribed in Para 3.20(b) of the Hand Book of Procedures (2015-2020).
Additional Joint Deputy Director General of Foreign Trade Development Commissioner (Ex-I/E)

EXPORT HOUSE



EXPORT EXCELLENCE (FIEO)



MSME AWARD



FIEO AWARD

WHY US?

Represented by agents in the USA & Oman.

- 40+ YEARS OF INDUSTRY EXPERIENCE
- TRUSTED BY FORTUNE 500 COMPANIES & PSUs
- WIDE RANGE OF STEEL PRODUCTS UNDER ONE ROOF
- EXTENSIVE RANGE OF FERROUS & NON-FERROUS METALS
- GLOBAL EXPORT NETWORK ACROSS 20+ COUNTRIES
- CUSTOM PROCESSING & MATERIAL SOLUTIONS
- MILL TEST CERTIFICATES WITH EVERY ORDER
- THIRD-PARTY INSPECTION & QUALITY ASSURANCE

BUILDING TRUST IN STEEL SINCE 1984.

www.amardeepsteel.com | deepak@amardeepsteelllp.com

PIPES & TUBES

Precision piping products for demanding industrial applications.



SEAMLESS PIPES & TUBES

Materials & Grades

- **Carbon Steel:** A179, A210 Grade A1, A192, A333 Grade 6, ST35, ST52, J525, E355
- **Stainless Steel:** 400, 410, 409; 304 / 304L, 316 / 316L, 321, 347, 904L
- **Nickel Alloys:** Inconel (600, 625, 601, 718, 800, 825), Monel (400), Hastelloy (C276, C22, B2, B3)
- **Copper Alloys:** Copper Nickel (90/10, 70/30), Aluminium Brass, Admiralty Brass
- **Alloy Steel:** P11, P5, P22, P91, P2, P1, T91, T11, T22, T5, etc.
- **Duplex & Super Duplex:** S23750 / S23760 / S32950
- **Special Alloys:** Alloy 20, Alloy 28
- **Titanium Grades:** ASTM B338 Gr 5; ASTM B338 Gr 7; ASTM B338 Gr 11; ASTM B338 Gr 12

Size Range:	1/8" TO 36" (3.18 mm TO 914.4 mm)
Wall Thickness (WT):	0.020" TO 2.000" (0.51 mm TO 50.8 mm)



WELDED / ERW / EFW PIPES & TUBES

Materials & Grades

- **Carbon Steel:** J525, A53, A178, A214, ST35, ST52, API 5L X52, SA 135
- **Alloy Steel:** P11, P5, P22, P91, P2, P1
- **Inconel:** (600 / 625 / 718)
- **Monel / Copper:** Monel (400) / Copper (C122)
- **Stainless Steel:** 304, 304L, 316, 316L, 321, 347, 904L
- **Corten Steel:** ASTM A423 Grade A1
- **Hastelloy:** C276, C22, B2, B3
- **Duplex & Super Duplex:** S23750 / S23760 / S32950
- **Special Alloys:** Alloy 20, Alloy 28
- **Titanium Grades:** ASTM B338 Gr 5; ASTM B338 Gr 7; ASTM B338 Gr 11; ASTM B338 Gr 12

Size Range:	1/2" TO 24" (12.7 mm TO 609.6 mm)
Wall Thickness (WT):	0.020" TO 1.000" (0.51 mm TO 25.4 mm)



MICRO / COILED TUBES

Materials & Grades: Stainless Steel: 304 / 304L, 316 / 316L

Size Range:	1/32" TO 1/2" (0.79 mm TO 12.7 mm)
Wall Thickness (WT):	0.010" TO 0.500" (0.25 mm TO 12.7 mm)



DOM / PRECISION TUBES

Materials & Grades

- A513 (1020, 1026, 1018, 1010)
- A519 (1020, 1026, 1018, 1010)
- ST35, ST53, J525, J524

Size Range:	1/4" TO 12" (6.35 mm TO 304.8 mm)
Wall Thickness (WT):	0.028" TO 0.500" (0.71 mm TO 12.7 mm)

WE CAN OFFER:



U TUBES



FINNED TUBES



STUDDED TUBES



COIL TUBES



INNER GROOVED TUBES



CAPILLARY TUBES

BUTTWELD & SOCKETWELD FITTINGS

Fittings for reliable industrial piping connections.

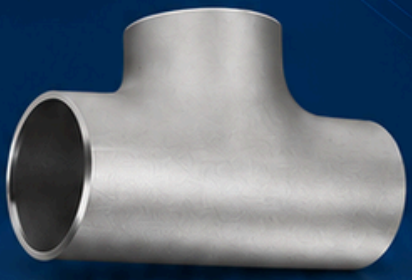


ELBOWS



45° 90° 180°

TEES



EQUAL & UNEQUAL

REDUCERS



CONCENTRIC ECCENTRIC

CAPS



CROSSES



EQUAL UNEQUAL

APPLIES TO ALL FIVE PRODUCT TYPES

Execution:	Buttweld; Socketweld
Pressure Class:	2000 LB; 3000 LB; 6000 LB; 9000 LB
Standards:	ASME B16.9; ASME B16.11; MSS SP-43; MSS SP-75
Materials & Grades:	**STAINLESS STEEL:** 304 / 304L / 316 / 316L / 321 / 347 / 904L **CARBON STEEL:** A106 Gr. B / A234 WPB / WPC **ALLOY STEEL:** P11 / P22 / P91 / P5 / P9

HIGH NICKEL ALLOYS

ELBOWS, TEES & REDUCERS ONLY

Inconel 600 / 625 / 718 / 825 / 925, Monel 400 / K-500, Copper (C122 / C706)

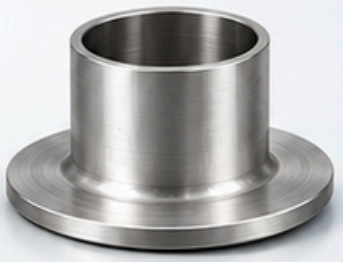
BUTTWELD & SOCKETWELD FITTINGS

Connection components for demanding piping systems.

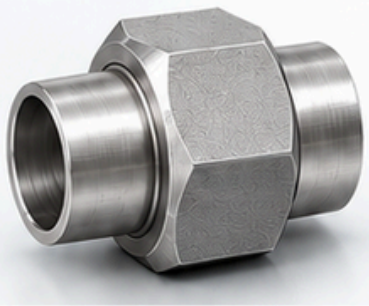
LATERALS — PIPE OUTLETS



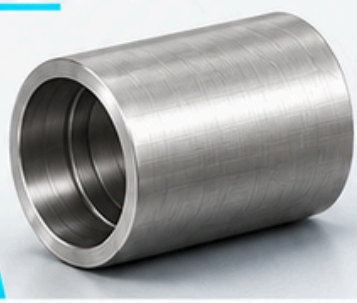
STUB ENDS



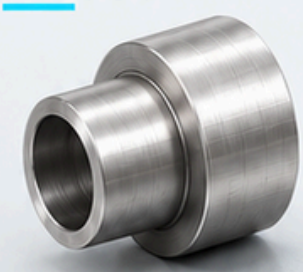
UNIONS



COUPLINGS



INSERTS



EXECUTION

Laterals	Stub Ends	Unions, Couplings & Inserts
Buttweld; Socketweld	Buttweld	Socketweld

APPLIES TO ALL FIVE PRODUCT TYPES

Pressure Class:
2000 LB; 3000 LB; 6000 LB; 9000 LB

Standards:
ASME B16.9; ASME B16.11; MSS SP-43; MSS SP-75

Materials & Grades:

STAINLESS STEEL: 304 / 304L / 316 / 316L / 321 / 347 / 904L

CARBON STEEL: A106 Gr. B / A234 WPB / WPC

ALLOY STEEL: P11 / P22 / P91 / P5 / P9

HIGH NICKEL ALLOYS

LATERALS & STUB ENDS ONLY

Inconel 600 / 625 / 718 / 825 / 925, Monel 400 / K-500, Copper (C122 / C706)

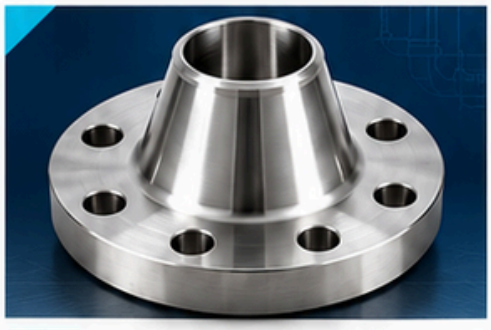
SIZE RANGE AVAILABLE: From 1/8" to 4" (6 mm to 100 mm)

HIGH STRENGTH | PRECISION FIT | CORROSION RESISTANT | QUALITY ASSURED | WIDE MATERIAL RANGE | RELIABLE & DURABLE

PRECISION FLANGES

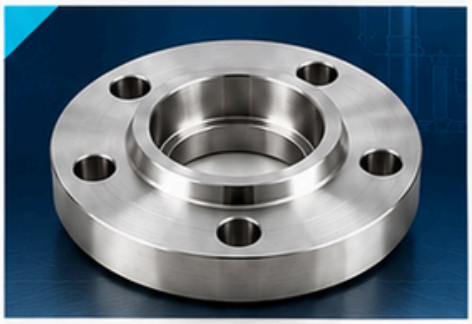
Engineered for strength. Machined for precision.

OUR FLANGE SOLUTIONS



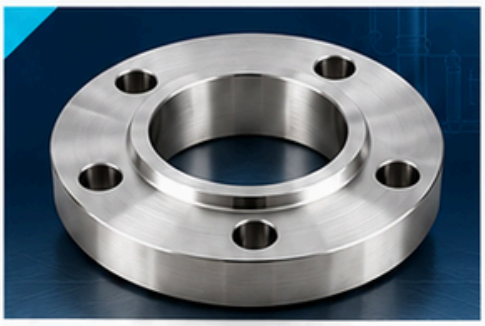
1. WELD NECK (WNRF)

Tapered hub for stress distribution; bore matches pipe ID.



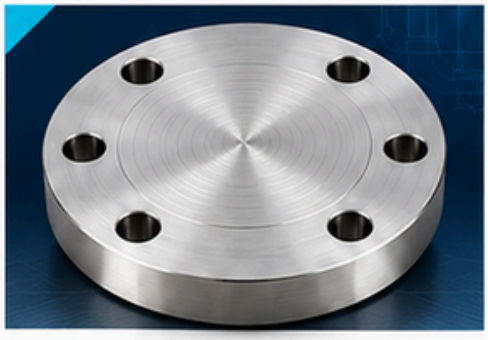
2. SOCKET WELD (SWRF)

Socket connection for small bore, high-pressure lines.



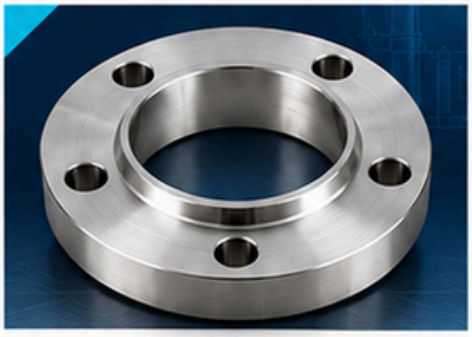
3. SLIP-ON (SORF)

Slips over the pipe; fillet welded inside and outside.



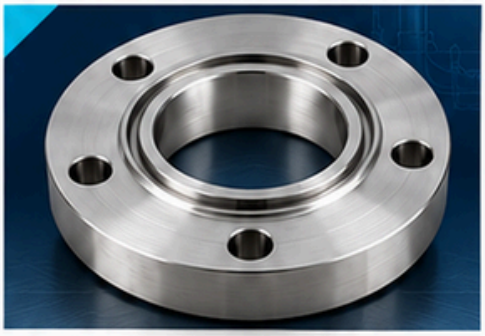
4. BLIND (BLRF)

Closes a piping end; removable for inspection.



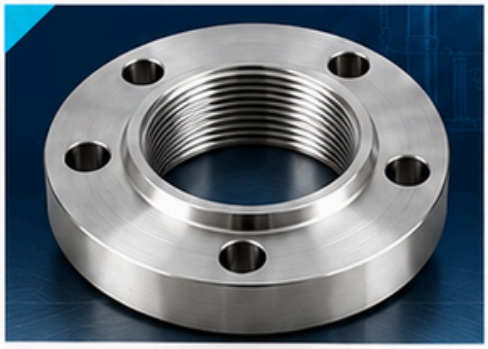
5. LAP JOINT (LJRF)

Used with a stub end for alignment and disassembly.



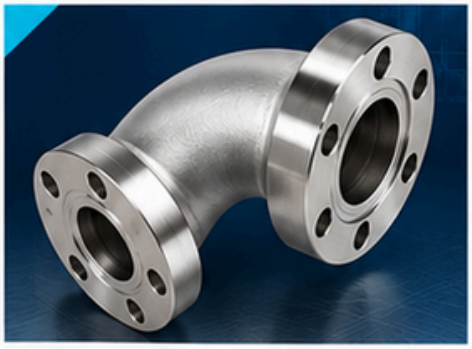
6. RING TYPE JOINT (RTJ)

Metal-to-metal seal; Oval and Octagonal ring grooves.



7. THREADED (THRF)

Internal threads; connection without welding.



8. 45° ELBOW FLANGE (45° EF)

Changes flow direction by 45 degrees; Seamless & welded construction.



9. 90° ELBOW FLANGE (90° EF)

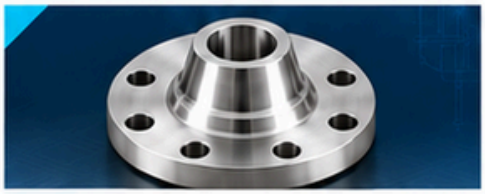
Changes flow direction by 90 degrees; LR, SR & 3D Radius; Seamless & welded construction.

Materials, grades, pressure classes & sizes: next page.

PRECISION FLANGES

Specialized connections. Complete material choice.

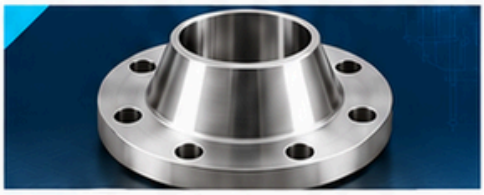




10. REDUCING FLANGE (RF)
Different pipe diameters; concentric & eccentric designs.



11. ORIFICE FLANGE (OF)
Flow measurement with orifice plates; all standard pressure classes.



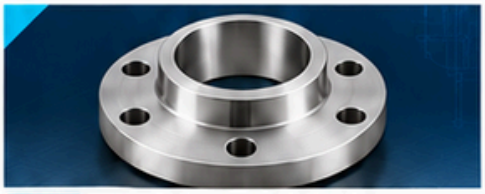
12. EXPANDING FLANGE (XF)
Line expansion and taper connections.



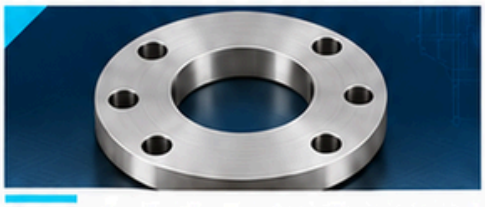
13. SPECTACLE BLIND (SBF)
Blind-and-ring combination for visible line isolation.



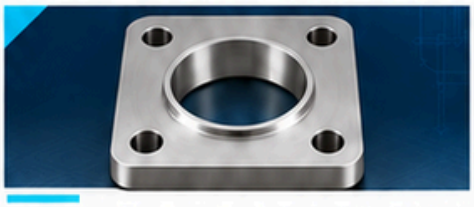
14. LONG WELD NECK (LWN)
Extended hub for reinforced connections.



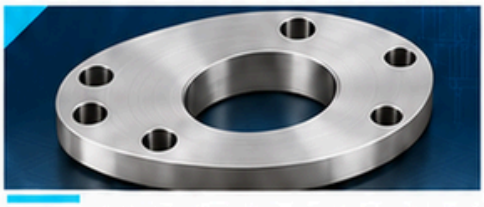
15. SLIP-ON HUBBED (SOHF)
Raised hub for strength and alignment.



16. FLAT FACE (FF)
Flat sealing surface for gasketed joints.



17. SQUARE FLANGE (SQRF)
Square design with custom drilling options.



18. CUSTOM FLANGES (SPECIAL)
Made to drawing & specifications; any size, shape & material.

MATERIALS & GRADES (ALL TYPES)

Material	Grades
STAINLESS STEEL	304 / 304L; 316 / 316L; 321; 347; 904L; 309S / 310S; Duplex 2205; Super Duplex 2507
CARBON STEEL	A105; A350 LF2; A694 F42 / F46 / F52; A216 WCB; A516 Gr.70; ASTM A106 Gr.B; API 5L Gr. B / X42–X70
ALLOY STEEL	F11 / F22 / F91; P1 / P5 / P9 / P11; P91; 13Cr / 5Cr; 15Mo3; Chrome Moly; Incoloy 800 / 825
NICKEL ALLOYS	Inconel 600 / 625 / 718; Incoloy 800 / 825 / 925; Hastelloy C276 / C22; Monel 400 / K-500; Nickel 200; Alloy 20
COPPER ALLOYS	Copper (C101 / C110); Cu-Ni 90/10; Cu-Ni 70/30; Brass (C21220); Bronze (C93200); Ni-Al Bronze
SPECIAL ALLOYS	Titanium (Gr.2 / Gr.5); Zirconium; Tantalum; Alloy 400; Alloy 600; Other Exotic Alloys

All materials are available in seamless, welded & forged conditions as per international standards.

AVAILABLE PRESSURE CLASSES

CLASS 150#
Low Pressure Applications

CLASS 300#
General Purpose Applications

CLASS 600#
Medium Pressure Applications

CLASS 900#
High Pressure Applications

CLASS 1500#
Very High Pressure Applications

CLASS 2500#
Extreme Pressure Applications

ENGINEERING ROUND BARS

Precision. Purity. Performance.



OUR SUPPLY CAPABILITY

AEROSPACE ULTRA-GRADES

High-performance materials for critical engineering.

- MP35N®
- Inconel® 718

PREMIUM STAINLESS STEEL BARS

Corrosion resistance and structural strength.

- 300 Series
- Duplex (2205, 2507)
- 17-4PH, 15-5PH
- And more

SPECIAL ALLOY ROUND BARS

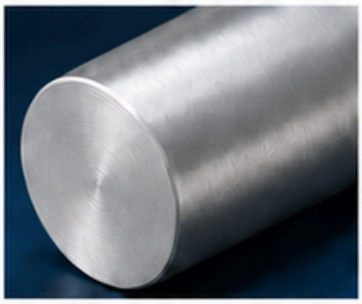
Alloys for demanding operating conditions.

- Hastelloy®
- Monel®
- Titanium Alloys
- And more

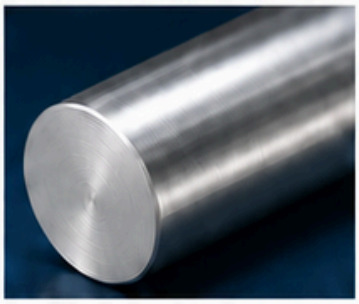
SIZE RANGE

Specification	Details
Diameter	1/8" to 20.000"
Length	Up to 20 Feet (Custom Lengths Available)
Tolerances	h9, h11, h13 (or as per requirement)
Condition	Annealed / Solution Annealed / Aged / Precipitation Hardened
Forms	Round Bars

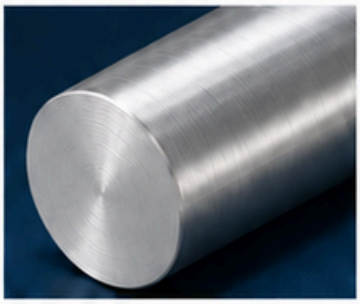
AVAILABLE FINISHES



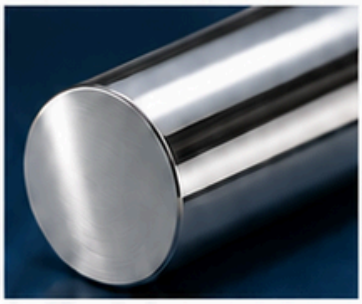
CENTERLESS GROUND
Tight diameter tolerances; excellent surface finish.



BRIGHT DRAWN
Smooth, clean finish; improved mechanical properties.



PEELED
Dimensional accuracy and surface quality.



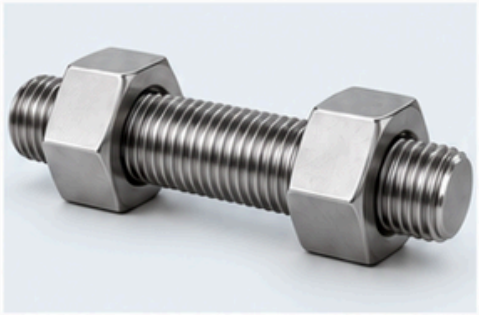
POLISHED
High-gloss surface finish.

CERTIFIED MATERIALS | CUSTOM CUTTING | GLOBAL SUPPLY | QUALITY ASSURED

SPECIAL GRADE FASTENERS

Engineered for strength. Built for reliability.

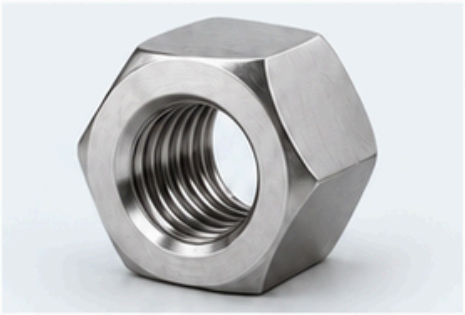
OUR PRODUCT RANGE



STUD BOLTS

For flanged connections and pressure equipment.

- ASTM A193 B7 / B8 / B8M
- ASTM A320 L7 / L7M
- Dual Certified Materials
- Custom Lengths Available



HEX NUTS

For secure industrial fastening.

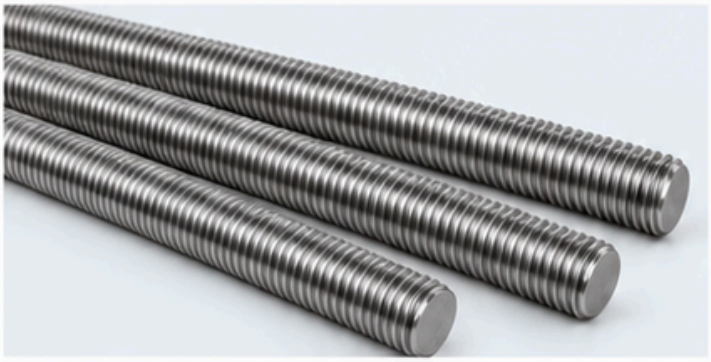
- ASTM A194 2H / 4 / 7 / 8
- Full Range of Grades
- Coarse & Fine Threads
- Lock Nuts Available



STRUCTURAL WASHERS

For load distribution and joint integrity.

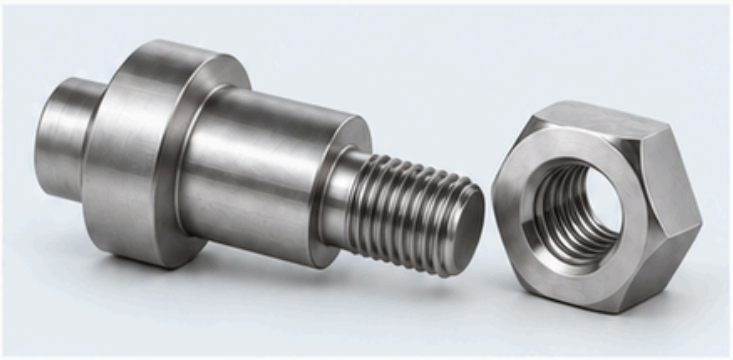
- ASTM F436
- Flat Washers
- Heavy & Extra Heavy
- Hardened Washers



THREADED RODS

For versatile industrial connections.

- ASTM A193 B7 / B8 / B8M
- ASTM A320 L7 / L7M
- All-Thread / Tap-End
- Custom Lengths



CUSTOM-MACHINED FASTENERS

Supplied to customer drawings.

- Custom Bolts & Nuts
- Special Shapes
- Non-Standard Threads
- Turnkey Solutions

STANDARD STAINLESS STEEL (SS) & SPECIAL ALLOY AVAILABLE

Supplied in standard stainless steel and special alloys for industrial assemblies.

CORROSION RESISTANCE ASSURED

STAINLESS STEEL

- 304 / 304L
- 316 / 316L
- 321
- 347

DUPLEX & SUPER DUPLEX

- 2205 (UNS S31803)
- 2507 (UNS S32750)
- 255 (UNS S32550)

NICKEL ALLOYS

- Inconel® 625
- Incoloy® 718
- Hastelloy® C276
- Monel® 400 / K-500

TITANIUM ALLOYS

- Titanium Grade 2
- Titanium Grade 5 (6Al-4V)
- Titanium Grade 7

CERTIFIED QUALITY | PRECISION FIT | CUSTOM SOLUTIONS | GLOBAL SUPPLY

AMARDEEP STEEL CENTRE LLP

PLATES, SHEETS & COILS

Versatile metal supply for demanding industrial applications.



OUR PRODUCT CAPABILITIES

STANDARD MILL SIZES
Stock in standard thicknesses and widths.

CUSTOM FABRICATIONS
Cutting and profiling to engineering drawings.

CORTEN WEATHERING PLATES
Weathering steel for exposed applications.

HIGH PERFORMANCE ALLOY SHEETS
Specialty materials for demanding service.

PLATES & SHEETS

Specification	Details
Thickness Range	0.188″ to 12.000″
Width	48″ to 120″
Length	96″ to 480″
Surface Finish	HR, Pickled & Oiled, 2B, No.1, BA, Galvanized (GI)
Edges	Mill Edge, Sheared Edge, Saw Cut Edge
Forms	Plates, Sheets, Coils

COILS

Specification	Details
Thickness Range	0.018″ to 0.500″
Width	24″ to 72″
Coil ID	16″ / 20″ / 24″
Coil Weight	2 MT to 25 MT
Surface Finish	HR, Pickled & Oiled, 2B, No.1, BA, Galvanized (GI)
Forms	Hot Rolled Coils, Cold Rolled Coils, Stainless Steel Coils

MATERIALS & GRADES (ALL TYPES)

STAINLESS STEEL
- 304 / 304L
- 316 / 316L
- 321
- 309S / 310S
- 904L
- 347
- 2205 (DUPLEX)
- 2507 (SUPER DUPLEX)
- 17-4 PH

CARBON STEEL
- A36
- A283 Gr. C
- A516 Gr. 70
- A572 Gr. 50
- A387 Gr. 11 / 22
- SA 285 Gr. C
- IS 2062 E250 / E350
- EN 10025 S235JR / S355JR

ALLOY STEEL
- P11
- P22
- P5
- P9
- P91
- 4130
- 4140
- 8620
- 4340

NICKEL ALLOYS
- Inconel 600
- Inconel 625
- Inconel 718
- Incoloy 800
- Incoloy 825
- Hastelloy C276
- Hastelloy C22
- Monel 400
- Monel K-500

COPPER & COPPER ALLOYS
- Copper (C101 / C110)
- Naval Brass Plates
- Admiralty Brass
- Aluminum Brass
- Manganese Bronze
- Phosphor Bronze
- Copper Nickel 70/30
- Copper Nickel 90/10

OTHER SPECIAL MATERIALS
- Corten Steel (A588)
- Titanium (Gr.2 / Gr.5)
- Zirconium
- Tantalum
- Hastelloy B2 / B3
- Alloy 20
- Alloy 400
- Alloy 600
- Nickel 200

INDUSTRIES WE SERVE

OIL & GAS | PETROCHEMICAL | MARINE & OFFSHORE | STRUCTURAL CONSTRUCTION | POWER GENERATION | HEAVY ENGINEERING

AMARDEEP STEEL CENTRE LLP

SPECIAL METALLURGICAL GRADES



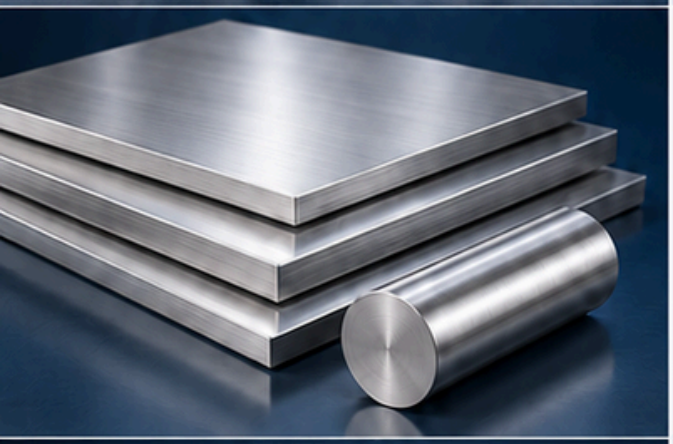
NICKEL ALLOYS & INCONEL

- Nickel 200 / 201
- Inconel 600 / 601 / 625 / 718
- Incoloy 800 / 800H / 800HT / 825
- Monel 400 / K-500
- Hastelloy C-276 / C-22 / B-2



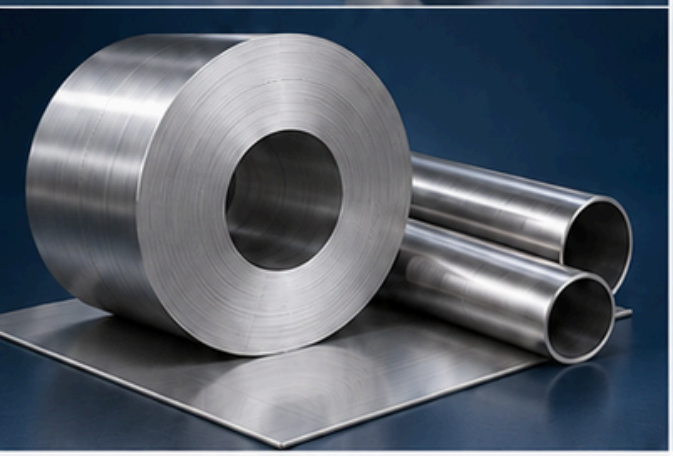
DUPLEX & SUPER DUPLEX

- Duplex 2205 — UNS S31803 / S32205
- Super Duplex 2507 — UNS S32750
- Super Duplex — UNS S32760



HIGH-PERFORMANCE SPECIAL STAINLESS

- 254 SMO®*
- SS 904L
- 253 MA®*



STANDARD INDUSTRIAL SS GRADES

- SS 304 / 304L / 304H
- SS 310
- SS 316 / 316L / 316H / 316Ti
- SS 317 / 317L
- SS 321 / 321H
- SS 347 / 347H

*254 SMO and 253 MA are trademarks owned by Outokumpu Oy.

AMARDEEP STEEL CENTRE LLP

Your One-Stop Solution for All Steel Requirements.



- PREMIUM QUALITY
- COMPLETE RANGE
- TRUSTED PARTNER
- GLOBAL SUPPLY
- COMMITTED TO EXCELLENCE

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