



NEXTGEN STEEL & ALLOYS

Steel Solutions for the **NEXT**GENERATION

AN ISO 9001:2008 COMPANY

STOCKIST SUPPLIERS & EXPORTERS:

STAINLESS STEEL, ALLOY STEEL, CARBON STEEL, MILD STEEL, FERRO ALLOYS, SEAMLESS & ERW, PIPES, PIPE FITTINGS, FLANGES, BOILER TUBES, OTHER NON FERROUS METALS, ENGG. & ALL TYPES OF INDUSTRIAL RAW MATERIALS.

PIPES & TUBES:



Stainless Steel: ASTM A 312, A 213, A 213, A 249, A 269, A 358, A 240, A 276
Type: 202, 304, 304L, 304, 304H, 316, 316L, 316Ti, 321, 321H, 317, 317L, 310, 310S, 409, 410, 420, 430 etc.

Carbon Steel: ASTM A 106, A 53, API A 5L Gr. A, B, C, ASTM A 333, Gr. 1 to 6 (IBR & NON IBR)

Alloy Steel: ASTM A 335, GR P1, P2, P5, P9, P11, P22, P91

Nickel Alloys: Monel 400 & 500, Inconel 600 & 625, Incolloy 800, 825, Hastelloy 904, Titanium, Tungston, Silver Nickel, Zirconium, Palladium, Vanadium etc.

Copper Alloys: Aluminium, Copper, Brass & Gunmetal

Types : Round, Square Rectangular.

Size : Up to 24"NB (Seamless &Welded) Wall thickness:Sch.5S to Sch. XXS



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Seamless & Welded Butt Weld Fittings:



Product Range

45° and 90° Elbows, Concentric and Eccentric Reducers, Equal and Reducing Tees, 180° Return Bends and Caps

Dimensional Standards

ANSI B16.9

Schedules

Sch. 5 to Sch. XXS (special wall thicknesses on request)

Size Range

1/2" to 80" NB

Material Grades

Carbon

ASTM A234 WPB.

Low Temp

ASTM A420 WPL3 & WPL6

Chrome/Moly

ASTM A234 Grade WP5, WP9, WP11, WP12 & WP22

Stainless

ASTM A403 WP304/L & WP316/L

Duplex

ASTM A815 UNS S31803



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Screwed & Socket Weld Forged Steel Fittings



Product Range

45° and 90° Elbows, Equal and Reducing Tees, Couplings, Hexagon and Reducing Nipples, Crosses, Street Elbows, Caps, Plugs, Hexagon Bushes, Unions, Concentric and Eccentric Swage Nipples, Pipe Nipples and Forged Outlet Fittings

Socket Weld Range

45° and 90° Elbows, Equal and Reducing Tees, Couplings, Crosses, Caps, Unions and Forged Outlet Fittings

Dimensional Standards

ANSI B16.11, BS3799, MSS SP79 and MSS SP97

Pressure Ratings

Size Range

3000#, 6000# and 9000#

1/4" to 4" NB

Material Grades

Carbon

ASTM A105N

Low Temp

ASTM A350 LF2 & LF3

Chrome/Moly

ASTM A182 F5, F9, F11, F12 & F22

Stainless

ASTM A182 F304/L & F316/L



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SHEETS, PLATES & COILS:



Stainless Steel: ASTM A 312, A 213, A 213, A 249, A 269, A 358, A 240, A 276

Type: 202, 304, 304L, 304, 304H, 316, 316L, 316Ti, 321, 321H, 317, 317L, 310, 310S, 409, 410, 420, 430 etc.

Carbon Steel: ASTM A 106, A 53, API A 5L Gr A, B, C, ASTM A 333, Gr 1 to 6 (IBR & NON IBR)

Alloy Steel: ASTM A 335, GR P1, P2, P5, P9, P11, P22, P91

Nickel Alloys: Monel 400 & 500, Inconel 600 & 625, Incolloy 800, 825, Hastelloy 904, Titanium, Tungsten, Silver Nickel, Zirconium, Palladium, Vanadium etc.

Copper Alloys: Aluminium, Copper, Brass & Gunmetal



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FLANGES:



Stainless Steel: ASTM A 312, A 213, A 213, A 249, A 269, A 358, A 240, A 276

Type: 202, 304, 304L, 304, 304H, 316, 316L, 316Ti, 321, 321H, 317, 317L, 310, 310S, 409, 410, 420, 430 etc.

Carbon Steel: ASTM A 106, A 53, API A 5L Gr A, B, C, ASTM A 333, Gr 1 to 6 (IBR & NON IBR)

Alloy Steel: ASTM A 335, GR P1, P2, P5, P9, P11, P22, P91

Nickel Alloys: Monel 400 & 500, Inconel 600 & 625, Incolloy 800, 825, Hastelloy 904, Titanium, Tungston, Silver Nickel, Zirconium, Palladium, Vanadium etc.

Copper Alloys: Aluminium, Copper, Brass & Gunmetal

Types: Weldneck, Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ringjoint, Orifcase, Long Weldneck, Deck Flange, etc.

Size : 1/8" NB TO 48"NB.

Class: 150#, 300#,400 #,600#,900#, 1500# & 2500 #.



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FASTNERS:



- Product:** Full Threaded Bars, Full Threaded Stud Bolts, Double End Bolted Studs, Anchor Bolts, Nuts, Washers, Eye bolts, Hex and Heavy Hex Bolts.
- Materials:** Stainless Steel, Mild Steel, Alloy Steel & Non Ferrous
- Standards:** ASTM, DIN, BS, JIS
- Size Range:** Dia 3/8" to 4", M-10 to M-100
- Coating:** Bichromate, Cadmium Plating, Hot Dip Galvanizing, Teflon Coating, Electro Galvanizing, Cadmium Plating, Nickel Plating
- Packing:** Superior Quality Polythin Bag and Standard Wooden Box



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OTHER NON FERROUS METALS:



ALUMINIUM:

Aluminium, Aluminium Bronze, Manganese Bronze.

FORMS :

Round Hexagonal, Squares, Rods, Tubes, Sheets, Strips, Foils, Busbars, Plate, Flats, Wire, Tubings, Sections & Bushes.

BRASS:

Free Cutting Brass, Leading Brass, Foreign Brass, Reviting Brass, Lead Free Brass, Naval Brass.

FORMS :

Round Hexagonals, Squares, Rods, Tubes, Sheets, Strips, Foils, Busbars, Plate, Flats, Wire, Tubings, Sections & Bushes.

COPPER :

Electrolytic Copper, Electrolytic Tough Pitch Copper, Deoxidised Copper, General Purpose Commercial Copper.



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FORMS :

Round Hexagonals, Squares, Rods, Tubes, Sheets, Strips, Foils, Busbars, Plate, Flats, Wire, Tubings, Sections & Bushes

GUNMETAL, PHOSPHER, BRONZE

85/5/5/5, 88/10/2, 90/10, Ingots, hollow, Bar, Bushes & Sheet, Strips, Wires etc. as per requirement.



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MONEL BUTTWELD PIPE FITTINGS :

Range	1/2"NB TO 12"NB IN SCH: 10, 20, 40, STD, 60, 80, XS
Type	SEAMLESS / WELDED/ FABRICATED
Form	Elbows in Long & Short Radius in 45 deg, 90 deg, 180 deg. Equal, Unequal Tee & Barred Tee. Bend Eccentric Reducer & Concentric Reducer. Caps & Crosses. Long & Short Stub End. Swage Nipple & Barrel Nipple. Monel Forged Pipefittings 1/4" NB to 4" NB in 3000 LBS, 6000 LBS, 9000 LBS available with NACE MR 01-75.
Type	Socket Weld (S/W) & Screwed (SCRD)

MONEL PIPE FITTINGS :

Standard	ASTM / ASME SB 336 / ASTM / ASME SB 564 / 160 / 472
Grade	Monel 400 Pipefittings – UNS N04400 Monel K500 Pipefittings – UNS N05500 Other Customised Fittings

Test Certificate Manufacturer Test Certificate as per EN 10204 / 3.1B



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NON FERROUS METALS:



ALUMINIUM:

Aluminium, Aluminium Bronze, Manganese Bronze.

FORMS :

Round Hexagonal, Squares, Rods, Tubes, Sheets, Strips, Foils, Busbars, Plate, Flats, Wire, Tubings, Sections & Bushes.

BRASS:

Free Cutting Brass, Leading Brass, Foreign Brass, Reviting Brass, Lead Free Brass, Naval Brass.

FORMS :

Round Hexagonals, Squares, Rods, Tubes, Sheets, Strips, Foils, Busbars, Plate, Flats, Wire, Tubings, Sections & Bushes.

COPPER :

Electrolytic Copper, Electrolytic Tough Pitch Copper, Deoxidised Copper, General Purpose Commercial Copper.



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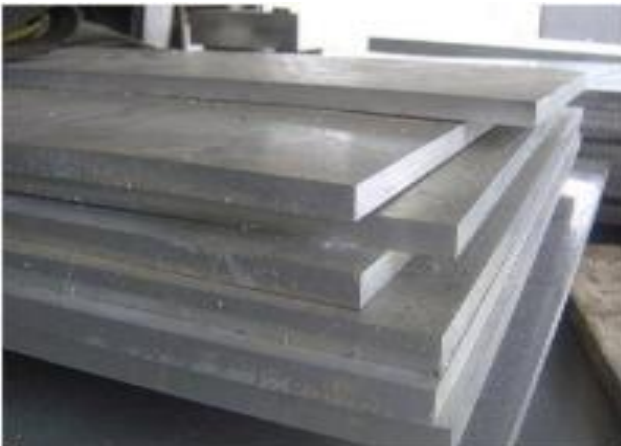
FORMS :

Round Hexagonals, Squares, Rods, Tubes, Sheets, Strips, Foils, Busbars, Plate, Flats, Wire, Tubings, Sections & Bushes

GUNMETAL, PHOSPHOR, BRONZE

85/5/5/5, 88/10/2, 90/10, Ingots, hollow, Bar, Bushes & Sheet, Strips, Wires etc. as per requirement.

ALUMINIUM:



Sheet and Plate

GRADES : 1100-0, H14; 3003-0, H14; 5052-0, -H32, -H34 Tempers - Bare 2014-0, -T3, -T6; Bare and Alclad 2024-0, -T3, -T4, -T8; Bare and Alclad 2219-0, -T31, -T87 Tempers- Bare and Alclad 2124-T851 Bare 6061-0, -T4, -T6 Tempers-Bare 7075-0, -T6, -T73, 7050-T741, T7651 7475 -T61, T761, T7651. Special Aluminum Alloys and Sizes are available on request.

Rod and Bar

GRADES : 2011-T3; 2014-T4, -T6; 2017-4 2024-T3, -T351,-T3511; 2219-T31, -T8511; 5052, 5083, 5086 - All Tempers. 6061-T6, T651,



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- T6511; 7075-T6, -T651, -T6511,
-T7351 Tempers

Special Aluminum Alloys and Sizes are available on request.

Tubing and Pipe

GRADES : 2024-0, -T3; 5052-0; 6061-T6, T4 and Tubing

Extrusions

GRADES : 2014-0, T6, -T6511, 2024-0, -T4, T3511, 6061-0, -T4, -T6, -T6511, 6063-T5, -T6, 7075-0, -T6, -T6511, 7178, 7178-0, -T6 and -T6511 Tempers.

ALLOY STEELS :

Sheet, Plate, Rod, Bar and Tubing:

4130, 4140, 4150, 4330 and 4340

Available in Annealed, Normalized and Modified Conditions

BRASS ALLOYS :

Aluminum Bronze Phosphorus Bronze

Silicon Bronze and Free Cutting Brass

TITANIUM :

Sheet, Plate, Bar, Coil:

Commercially Pure Titanium

Alloy -6AL/4V, 6AL/6V/2Sn,

5AL/2.5n,8AL/1MO/1V

Special Titanium available on request.

PRE-PRODUCTION PROCESSING :

Shearing, Grinding, Plate Burning, Abrasive Cutting and heat treating, Castings and forgings are available in request from customer.



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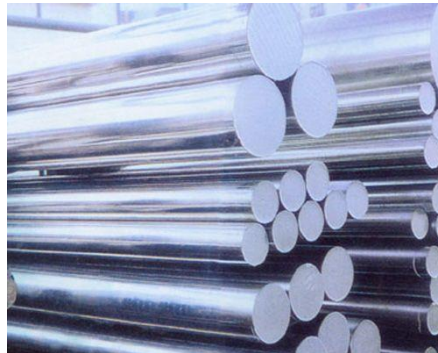
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Alloy & Carbon Steel Flat & Round Bars :-



Comprehensive stocks are held in a wide range of Alloy Tool steel specifications. British Standard and International specifications available. Our most popular grades are listed below; please contact our sales office.

Carbon and Alloy steel specifications:-

EN8

0.4% medium carbon steel. A general purpose steel for applications requiring added strength and superior tensile properties to mild steel specifications.

EN9

0.5% carbon steel giving higher tensile than EN8. Can be induction or flame hardened.

EN19

1% chromium molybdenum high tensile steel. Suitable for highly stressed applications where greater strength is required.

EN24

Nickel chromium molybdenum high tensile steel. Has good wear and shock resistance and is suitable for tensile ranges up to 1550 N/mm².

EN30B

41/4% nickel steel. Achieves a good through hardness with air or oil hardening. It is capable of taking a good polish and is widely used as a plastic mould steel.



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EN31

High carbon alloy steel which achieves a high degree of hardness with compressive strength and abrasion resistance.

EN36

Nickel chromium case hardening steel. Give a very hard surface with a strong core and retaining a high degree of toughness.

EN45

Silicon manganese alloy spring steel.

EN47

Tough oil quenching spring steel which, when heat treated, offers good wear resistance.

SAE 8620

A low alloy case hardening steel.

AISI 4140

Chromium molybdenum high tensile steel. Supplied 18-22HRc (Hardness Rockwell)

AISI 4145

Chromium molybdenum high tensile steel similar to 4140. Supplied 30-36HRc

AISI 4130

Chromium molybdenum steel supplied 18-22HRc. Lower carbon content than AISI 4140.

AISI 6150

A chromium vanadium spring steel type steel.

Material Grades:



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The term "Stainless Steel" is a generic one, covering various grades & categories, each with its own specific characteristics, and relevant benefits. Whilst all are released to the latest En & Din Standards, we have listed the grades in the more commonly used BS versions:

Austenitic:

201, 202, 203, 204Cu (For more details, please refer to the information page)
301, 302, 303, 303Cu, 304/L, 304Cu, 304S, 305, 310S, 314, 316/L, 316Cu
316Ti, 317L, 321
307Si, 308H, 308L/LSi, 309L/LSi, 309LMo, 310, 312, 316L/LSi, 318/Si, 347/Si

Ferritic:

409Cb, 409Ti, 430/F, 430LNb, 434

Martensitic:

410, 416, 420B/C, 420NiMo, 431

Precipitation Hardening:

17-4PH

Duplex & High Alloy:

253MA*, 254SMO*, 904L, SAF 2205, Duplex 2209, Duplex 2594
A286
LDX 2101*, SAF2304** (For more details, please refer to the information page)
Alloy 82, Alloy 200, Alloy 400, Alloy 600, Alloy 601, Alloy 625
Alloy 800, Alloy 825, Ni80/Cr20, C276, C22, X61, X60

*Registered trademark of Outokumpu/ Avesta

**Registered trademark of Sandvik

Welding Consumables :



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ER 307/Si, 308L/LSi, 308H, 308LMo, 309L/LSi, 309LMo, 310, 312, 316L/LSi, 316H, 317/L, 347/Si, 409/Cb, 410/NiMo, 420, 430, 630 & 2209 Duplex

Aluminium for Welding :

EN AW 1050A, 1080A, 1100, 4043A, 4047, 5356, 5556, 5183, 5754

Aluminium for General Purpose :

Series 1000, 2000, 3000, 4000, 5000, 6000 & 7000

Titanium Wire & Bar :

A Full List of Sizes & Grades available will be added shortly

Bright Carbon Steel Bar :

SAE1008, SAE1010, SAE1012, SAE1015, SAE1018, SAE1020, SAE1026, SAE1035, SAE1045, EN8, EN9, EN3A, EN3B, C-15, C-35, C-40, C-45

Free Cutting Steel :

EN1A, EN1A (L), EN8M, EN15AM, SAE-1117, SAE-1140, SAE-1141, SAE1146, VS13113, SAE-12L14

Alloy Steel :

EN18, EN18C, EN19, EN19C, SAE-4140, 42CrMo4, 27C15, 16MnCr5, 20MnCr5, EN18B, SAE8620, SAE-4340