



DHANWANT

METAL CORPORATION

ISO 9001 -2008 COMPANY

"Solution To Your Metal Needs"



Website: www.dhanwantmetal.com

INTRODUCTION

DHANWANT METAL CORPORATION, Mumbai (India) An ISO 9001 :2008 based business entity, is catering to the requirement of various industrial sectors.

DHANWANT METAL CORPORATION, an ISO 9001 :2008 is experiencing a accelerated growth, since its inspection in the year 1986 under the proficient headship of MR. Dhanraj H.Sanghvi. The profound knowledge and rich experience of the director has assist the company to acquire distinguished position amidst the dependable Stainless steel and high percentage Nickel Alloys Pipe, Tubes, Pipe Fittings Fasteners and Flanges Exporter and Product suppliers in India and throughout the globe.

EXPORTS

Having establish our presence in the India market, we are now aggressively venturing into exporting of out products to various countries. We are already exporting out product to Europe, middle eas, far east and African Countries

ISO 9001 -2008: In recognition of our efforts in quality control we have been awarded the coveted ISO 9001-2008 quality certification from reputed agency.

QUALITY POLICY

Quality is a key feature of all the products made available by **DHANWANT METAL CORPORATION** & is always upheld under all circumstances. All required material squared from reliable and is always upheld under all circumstances. All required material sourced from reliable vendors who have reputed name in the market.

To ensure the quality of each material, we are providing material test certificate along with supply. Our team of experts maintain a vigil on the quality of the products. Every single piece is attached with test certificate and reports. We are continually improving out quality to serve our clients better



ISO 9001 -2008
COMPANY

STRIPS, SHEETS, PLATE & COILS

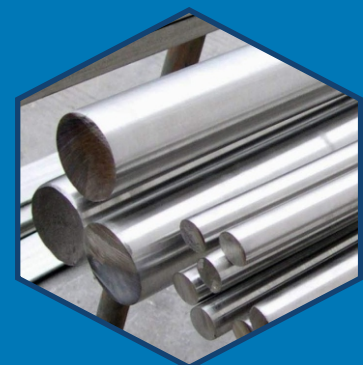
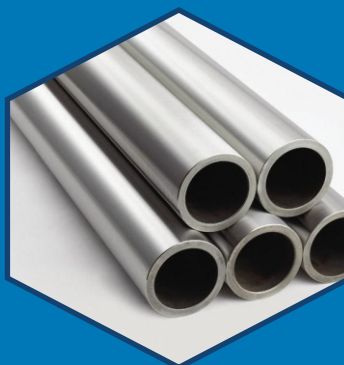
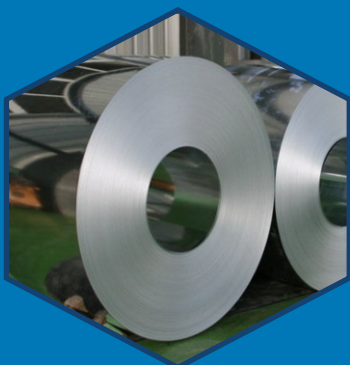
- **Material Grade:** Stainless steel, nickel Alloys, Carbon Steel, Pressure Vessel Steel, Marin Construction Steel, Abrasion Resistant Steel Alloy Steel, Other Ferrous & Non-Ferrous Metals etc.
- **Sizes:** We Import, Stock, Import as well as Export Strips from Sizes of 0.01mm to 0.50mm thick. Sheet, plates & coils from 0.10mm to 200mm thick with a width of 10mm to 2500mm long. We supply these Strips, Sheets, Plates & Coils from world's BEST manufacturers along with Relevant MILL TCs or Third party inspection certificates.

PIPES & TUBES

- **Range:** 15 NB UP TO 1200 NB IN SCH 5S , 10S ,10, 20 , 40S , 40 , STD , 60 , 80S , 80 , XS , 100 , 120 , 140 , 160 & XXS
- **Form:** SEAMLESS / ERW / WELDED IN ROUND, SQUARE, RECTANGULAR & OVAL .
- **Stainless Steel:** ASTM / ASME SA 312 GR. TP 304 , 304L , 304H, 309S ,309H , 310S, 310H , 316 , 316TI , 316H , 316 LN ,317 , 317L , 321 , 321H , 347 , 347 H , 904L .
- **Duplex Steel:** ASTM / ASME SA 790 UNS NO S 31803 , S 32205 , S 32550 , S 32750 , S 32760 .
- **Carbon & Alloy Steel:** ASTM / ASME A 53 GR. A & B , ASTM A 106 GR. A , B & C . API 5L GR. B , API 5L X 42 , X 46 , X 52 , X 60 ,X 65 & X 70 / ASTM / ASME A 691 GRA , B & C
- **Alloy Steel:** ASTM / ASME A 335 GRP 1 , P 5 , P 9 , P 11 , P 12 , P 22 , P 23 , P 91, ASTM / ASME A 691 GR 1 CR , 1 1/4 CR , 2 1/4 CR , 5 CR , 9CR , 91
- **Nickel Alloy:** UNS 2200 (NICKEL 200),UNS 2201 (NICKEL 201),UNS 4400 (MONEL 400),(ALLOY C22 / 20), UNS 8825 INCONEL (825),UNS 6600 (INCONEL 600),UNS 6601 (INCONEL 601), UNS 6625 (INCONEL 625),UNS 10276 (HASTELLOY C 276)
- **Copper Alloy:** UNS NO. C 10100 , 10200 , 10300 , 10800 , 12000, 12200, 70600 , 71500 , C 70600 (CU -NI- 90/10) ,C 71500 (CU -NI- 70/30)

ROUND & HEX BARS

- **RANGE:** Dia 5mm To 500mm & Length 500mm To 6000 Mm
- **TYPE:** Round, Square, Hex (a/f), Bush, Rectangle, Flat, Block, Billet & Ingot
- **STAINLESS STEEL:** ASTM A479, A182- 304, 304L, 304H, 316, 316L, 316H, 316Ti, 309,310, 317L,321,347,904L, 17-4 PH AND 400 Series
- **Other Metal & Alloys:** Duplex Steel , Carbon steel , Alloys Steel , Nickel & its Alloys, Monel , Hastelloy , Copper & its Alloys etc All Types of High Performance Metals & its Alloys.



FLANGES

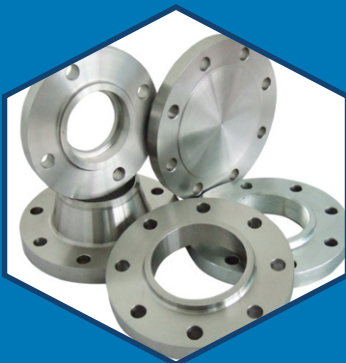
- **Stainless Steel:** ASTM A182 F304/ 304L/ 304H/ 316/ 316L/ 317/ 317L 321/ 310/ 347/ 904L etc.
- **Carbon Steel:** ASTM A105/ A694 F42/ 46/52/56/60/65/70/ A350LF3/ A350 Lf2.
- **Alloy Steel:** ASTM A182 F1/ F5/ F9/ F11/ F22/ F91
- **Others:** Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium Tantalum, Bismuth, Aluminum, High Speed Steel, Zinc, lead, etc.
- **Types:** Weldneck, Slipon, Blind Socket Weld, lap Joint, Spectacles, Ring Joint, Orificse, long Weldneck, Deck Flanges, etc.
- **Size:** 1/2" NB to 48" NB.
- **Class:** 150#, 300#, 400#, 600#, 900#, 1500# & 2500#. Din Stand & Plate Flange S - 10 Table D,E,F,H,J,K, etc.

FASTENERS

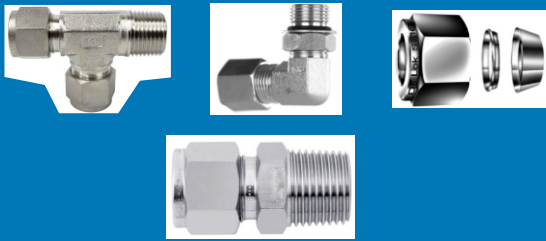
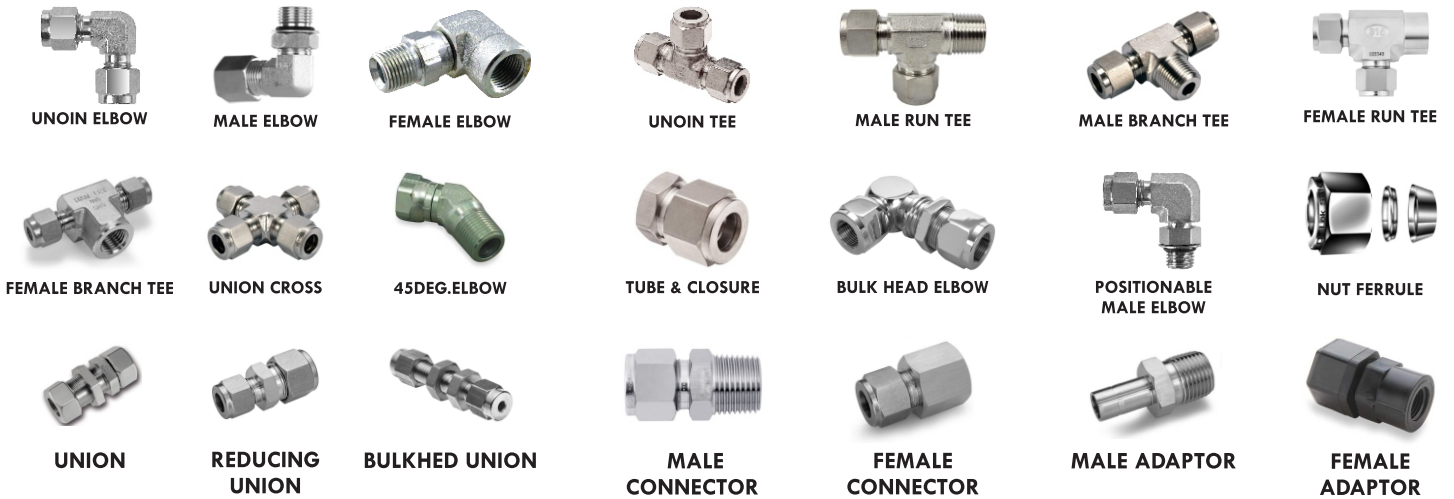
- **Stainless Steel :** AISI 302,304,304L,316,316L,310,317,317L,321,347,410,420,904L etc.
- **Carbon Steel:** Bare Condition, Galvanized, Phosphetised, Cadmium Plated, Hot Deep Galvanized, Blooded, Nickel Chrome Plated, etc.
- **Alloy Steel:** 4.5,5.6,6.6.,8.8, 10.9 & 12.9/ 'R', 'S', 'T' Conditions.
- **Non Ferrous Metal:** Copper, Brass, Aluminium, Titanum, Nichrome, Al Bronze, Phosphorous Bronze, etc.
- **Types:** Bolts, Nuts, Washers, Anchor Fasteners, Stud Bolts, Eye Bolt, Stud, Threaded Rod, Cotter Pin, Socket Screw, Fine Fasteners & Spares, Foundation Fasteners, etc.

PIPE FITTINGS

- **Stainless Steel:** ASTM A182 F304/ 304L/ 304H/ 316/ 316L/ 317/ 317L 321/ 310/ 347/ 904L etc.
- **Carbon Steel:** ASTM 105/ A694 F42/ 46/ 52/ 56/ 60/ 65/ 70/ A350LF3/ A350 Lf2.
- **Alloy Steel:** ASTM A182 F1/ F5/ F9/ F11/ F22/ F91
- **Other:** Monel, Nickel, Inconel, Hastalloy, Copper, Brass, Bronze, Titanium Tantalum, Bismuth, Aluminum, High Speed Steel, Zinc, Lead, etc.
- **Types:** Elbow, Tee, Union, Cross, Coupling, Cap, Bushing, Plug, Swage Nipple, Welding Boss, Hexagon, Nipple Barrel, Nipple, Welding Nipple, Parraler Nipple, Street Elbow, Hexagon Nut, Hose Nipple, Bend, Adapter, Insert, Weldolet, Elbowlet, Sockplet, Thredolet, Nipolet, Letrolet, etc.
- **Size:** 1/4" NB to 4" NB. (Socketweld & Threaded), 1/4" NB UP TO 48" NB (Buttweld)
- **Class:** 2000#, 3000#, 6000#, 9000# etc.
- **Wall Thickness:** Schedule 5 to Schedule XXS.



INSTRUMENTATION & FERRULE FITTINGS



S.S Tee / Elbow Ferrule Fitting

Design : Double Ferrule Type & Single Ferrule
 Size Range : 1/16" Tube OD to 2" Tube OD
 End Connection : OD / NPT / BSP / SW / BW
 Material : Ss316 / Ss304 / CS / Monel / Brass

- S.S. Union Tee
- S.S. Male Branch Tee
- S.S. Female Branch Tee
- S.S. Male Elbow
- S.S. Cross
- S.S. Valve Body
- S.S. Union
- S.S. Union Tee
- S.S. Male Branch Tee
- S.S. Female Branch Tee
- S.S. Male Elbow
- S.S. Cross
- S.S. Valve Body
- S.S. Union

MANIFOLD VALVES



Design : Two Way, Three Way, Five Way, Manifold
 Straight & 'T' Type & 'H' Type
 End Connection : NPT/BSP/Flange (1/8" to 1")
 Material : SS316/SS304/CS/Brass/Monel
 Pressure Rating : 10,000 psig



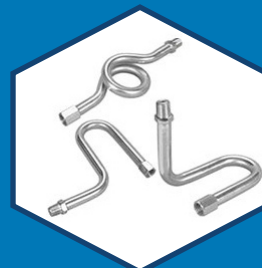
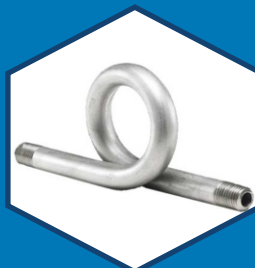
NEEDLE VALVE

Needle valves are available in size, range of 1/8" to 1" with Double Ferrules Tube connection and NPT, BSP, BSPT, tread male/female connection with maximum working pressure 10,000 psi. Valves are available in Stainless Steel of all grades, Monel, Brass, C.S. etc.

WE ALSO SUPPLY YOU FORGED BODY MANIFOLD VALVES

SYPHON TUBES

Type : Stainless Steel 304 & 316 Gr. in Utype, Trumpet Type (Pigtail & Coil Type)
 Application : Connected between the pressure gauge & process in applications where high temperature above 65 Deg C for e.g., steam. These Syphon Tubes acts as a cooling coil and protects the gauge from high temperature vapors



INDUSTRIAL VALVES

- **Type:** Ball Valves , Gate Valves , Globe Valves , Check Valves , Butterfly Valves , Plug Valves , Diaphragm Valves, Solenoid controlled Valves , Safety Valves , Special Control Valves as per Client Requirement.
- **Size:** Standard Sizes as per Client Requirement.
- **Body Materials:** Carbon Steel , Alloy Steel , Stainless Steel , Duplex & Super Duplex Stainless steels , Monel®, Inconel®, Incoloy® , Hastelloy® , Titanium alloys , Brass & Bronze alloys , Other alloys according to request

DAIRY FITTINGS

- **Types:** Elbow, Tee, Reducer ,T.C bend,T.C. Bend valve,SMS Three Way Valve,Sight Glass,Auto Ball Flushing,Sample Valve,Threaded Butt Weld tee,Coupling,Stubend,Cross,Ring,SMS Union,TC Ferrule,TC Blank Ferrule,SMS Liner,Pipe Holder ,Spray Ball,TC end Ball Valve,Side Glass,Threaded, Threaded Union,SMS union,ECCentric Reducer,TC & TEE,Weld Neck Flange,SMS Nipple,SMS nut, TC hose,TC Clamp,TC ferrule,Cleaning Ball
- **Stainless Steel:** ASTM / ASME SA 312 GR. TP 304 , 304L , 304H, 309S ,309H , 310S, 310H , 316 , 316TI , 316H , 316 LN , 317 , 317L , 321 , 321H , 347 , 347 H , 904L .

INDUSTRIAL GASKETS

- **Types Of Gaskets:** Teflon (ptfe), Cnf Gasket, Asbestos Free Gasket, Spiral Gaskets, Epdm Gaskets, Rubber Gaskets, Silicon Gaskets, Spiral Gaskets, Metallic Gaskets, Non Metallic Gasket In Sheets Form, Ring Form Also.
- **Forms:** Sheet, Ring, As Per Clients Requirements

SPECIAL METALS

FERRO ALLOYS | AEROSPACE HIGH TEMPERATURE METALS | PALLADIUM | STAINLESS STEEL PH SERIES | VANADIUM | LEAD | INCOLOY | TITANIUM | TANTALLIUM | DUPLEX | SUPER DUPLEX | COPPER BERRYLIUM | COPPER NICKEL ALLOYS | TITANIUM ALLOYS | MONEL | HASTELLOY | TANTALUM | ALUMINUM ALLOYS



Nickel Base Alloys

Nominal chemical composition % (not for specification purpose)

	Ni	C	FE	S	SI	CU	CR	CO	MO	TI	others
Nickel 200	99.5	0.08	0.15	0.005	0.18	0.05					
Nickel 201	99.5	0.01	0.50	0.05	0.18	0.04					
Nickel 205	99.5	0.06	0.10	0.004	0.08					0.3	mg 0.05
Nickel 202	97.7	0.10	0.05	0.005	0.05	0.03					
Nickel 222	99.5	0.01	0.04	0.0025	0.01	0.01		0.06		0.01	mg 0.08
Nickel 270	99.98	0.01	0.001	0.001			0.01				
Monel Alloy 400	65.0 min	0.15	1.5 max	0.024 max	0.5 max	32					
Monel Alloy k-500	64.0 min	0.15	1.2 max	0.010 max	0.5	31			0.20 max	0.6 0.01 max	
Cast monel Ally pig (grade 0)	63.0 min	0.07	2.5 max	0.02 max	0.05 max	30	0.10 max		0.20	0.01 max	
Cast monel Ally pig (oxidised)	63.0 min	0.03 max	2.5 max	0.02 max	0.04 max	30	0.1		9.0	0.38 0.4	
Inconel alloy 625	75.0 min	0.05 max	8	0.015 max	0.06 max	0.5 max	15.5		3	1.6	Na + Tav
inconel alloy 625	61.0	0.05 max	2.5 max	0.015 max	0.5		21.5			1.0	3.65 nb
Inconel alloy 800	32.5	0.04 max	45%	0.015 max	1.0 max	0.75 max	21.0				
Inconel 825	42	0.05 max	30%	0.03 max	0.5 max	2.25	21.5	14.5			
Inconel alloy 904	32.5	0.025	50%	0.015 max	0.25	0.25					
Inconel ally DS	37	0.06	42%		2.3 max	2.3 max	18		al		

PHYSICAL AND MECHANICAL PROPERTIES

	Density	Melting Rate C	Specefic heat at 20 C/KgC	Terminal Conductivity at 20C	Terminal Expansion 10-c/C	Electrical resistivity at 20 C	Tensile strength N/mn3	Hardness HV
Nickel 200	8.899	1435-1445	456	74.9	13.3	9.5	380-550	90-120
Nickel 201	8.89	1435-1445	456	79.2	13.3	7.6	340-420	75-100
Nickel 205	8.89	1435-1445	456	74.9	13.3	9.5	340	77
Nickel 212	8.86	1435-1445	430	44.1		10.9	476	144
Nickel 222	8.89	1435-1445	456	74.9	13.3	8.8	340	77
Nickel 270	8.89	1435-1445	460	85.7	13.3	7.5	340	80
Monel Alloy 400	8.83	1300-1350	419	21.7	14.1	51.0	480-620	111-151
Monel Alloy k-500	8.46	1315-1350	419	17.4	13.7	61.4	620-760	141-189
Inconel alloy 600	8.42	1370-1425	461	14.8	13.3	103.0	550-690	121-173
Inconel alloy 625	8.44	1290-1350	410	9.8	12.8	129.0	830-1040	146-247
Inconel alloy 800	7.95	1350-1385	502	11.7	14.2	99.0	520-700	121-180
Inconel alloy 825	8.24	1370-1400	441	10.9	14	113.0	590-730	121-183
Inconel alloy 904	8.12		442	14.9	4.6	72.0	923	
Inconel alloy DS	7.92	1330-1400	452	12	14.1	108.0	680	208



DHANWANT

METAL CORPORATION

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