

Certificate of Compliance

CE

We hereby declare that the technical files of all the items in each product group complies with the requirements of the Council Directive on **Pressure Equipment Directive (PED 2014/68/EU)**

Certificate No: - CE-3877

Manufacturer : TRIMAC PIPING SOLUTIONS

**Address : 192/4, PAVAPURI APARTMENT, 9TH KHETWADI LANE,
GIRGAON, MUMBAI – 400 004, MAHARASHTRA, INDIA**

**Products : FLANGES, BUTT WELD PIPE FITTINGS, FORGED
FITTINGS, PIPES & FASTENERS IN CARBON, ALLOY,
STAINLESS & DUPLEX STEEL.**

Complies with the requirements applicable to it

The quality system file has been assessed, approved and is subject to continuous surveillance according to the Council Directive on **Pressure Equipment Directive (PED 2014/68/EU)**

This certificate is issued under the following conditions:

1. It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.
2. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.

The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of test report of one sample of above mentioned product. It does not imply an assessment of the whole production.

Validity of this certificate can be verified at www.ukcertifications.org.uk/verify

Date of Certification	12th January 2023
1 st Surveillance Audit Due	11th January 2024
2 nd Surveillance Audit Due	11th January 2025
Certificate Expiry (subject to the company maintaining its system to the required standard)	11th January 2026



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Manufacturer: TRIMAC PIPING SOLUTIONS

SR. NO.	PRODUCT NAME	SPECIFICATION
CARBON STEEL AND ALLOY STEEL PIPES		
1	Carbon Steel Seamless Line Pipes	Size Range: 1/8" NB TO 24" NB Sch 40/80/160/XXS
2	Alloy Steel Seamless Pipes	Size Range: 1/8" NB TO 24" NB Sch 40/80/160/XXS

SR. NO.	PRODUCT NAME	SPECIFICATION
STAINLESS STEEL CARBON STEEL, AND MILD STEEL PIPES		
1	STAINLESS STEEL	Material Grades: ASTM A312, GR. 304, 304L, 310, 316, 316L, 316Ti, 317, 321, 904 ETC.
2	CARBON STEEL	Material Grades: ASTM A106 Gr. A, B, C, Etc..
3	ALLOY STEEL	Material Grades: ASTM A335 GR. P1, P11, P12, P22, P5, P9, P91, P92.
4	LOW TEMPERATURE SERVICES	Material Grades: ASTM A333 & A334 GR. 3, 6, 9 ETC.
5	COPPER NICKEL SERVICES	Material Grades: CU NI 90/10, 70/30 ETC
6	MILD STEEL	Specifications: ASME B36.19, B36.10, Etc.

SR. NO.	PRODUCT NAME	SPECIFICATION
CORTEN STEEL / CARBON STEEL ERW APH /(CDS) HEAT EXCHANGER & BOILER TUBES, ALLOY STEEL/ NICKEL ALLOYS, PIPE & TUBES		
1	Carbon Steel Seamless Line Pipes	Size Range: 1/8" NB TO 24" NB Sch 40/80/160/XXS
2	Alloy Steel Seamless Pipes	Size Range: 1/8" NB TO 24" NB Sch 40/80/160/XXS
3	Copper Nickel Tube 90/10 & 70/30	Size Range: 1/8" OD to 4" OD WALL THICKNESS: 1.0 MM TO 5.0 MM

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SR. NO.	PRODUCT NAME / TYPE	SPECIFICATION
1	SEAMLESS ALLOY STEEL PIPE & TUBE,	Product Structure Standard Specification For Seamless / Erw Pipe Size 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 Size Range: 1/2" OD TO 4" OD WALL THICKNESS: 1.6 MM to 9.53 MM Form: Seamless / Erw / Welded in Round & Square . 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 Steel :- ASTM / ASME A 53 GR. A , B ASTM / ASME 106 GR. A , B ,C . API 5L GR. B , API 5L X 42 , X 46 , X 52 , X 60 , X 70. ASTM / ASME A 691 GRA , B ,C ASTM A333 GR.6, Alloy Steel: ASTM / ASME A 335 GRP 1 , P5 , P9 , P11 , P12 , P22 , P23 , P91 P92,ASTM / ASME A 691 GRP1 CR , 1 1/4 CR , 2 1/4 CR , 5 CR , 9CR , 91. Nickel & Copper Alloy :- ASTM / ASME SB 163 UNS 2200 (NICKEL 200) ASTM / ASME SB 163 UNS 2201 (NICKEL 201) ASTM / ASME SB 163 / 165 UNS 4400 (MONEL 400) ASTM / ASME SB 464 UNS 8020 (ALLOY 20 / 20 CB 3) ASTM / ASME SB 704/705 UNS 8825 INCONEL (825) ASTM / ASME SB 167 / 517 UNS 6600 (INCONEL 600) ASTM / ASME SB 167 UNS 6601 (INCONEL 601) ASTM / ASME SB 704 /705 UNS 6625 (INCONEL 625) ASTM / ASME SB 619/622/626 UNS 10276 (HASTELLOY C 276). Copper Alloy : ASTM / ASME SB 111 UNS NO. C 10100 , 10200 , 10300 , 10800 , 12000,12200, 70600 , 71500 . ASTM / ASME SB 466 UNS NO. C 70600 (CU -NI- 90/10) , C 71500 (CU -NI- 70/30). Titanium Grades : Grade 1, Grade 2, Grade 3, Grade 4, Grade 5, Grade 7, Grade 9, Grade 23.
2	ERW AND SEAMLESS STAINLESS STEEL PIPE & TUBE,	
3	ERW AND SEAMLESS CARBON STEEL PIPE & TUBE	
4	ERW AND SEAMLESS NICKEL ALLOY PIPE & TUBE	
5	ERW AND SEAMLESS DUPLEX STAINLESS STEEL PIPE & TUBE	
6	SEAMLESS API 5L PIPE & TUBE	
7	ERW AND SEAMLESS TITANIUM/ COPPER/ ALUMINIUM,	
8	COATED STEEL PIPE & TUBE	
9	DIN STANDARDS PIPE & TUBE	
10	ERW IS STANDARDS PIPE & TUBE	
11	ERW AND SEAMLESS EN GRADES PIPE & TUBE	
12	SQUARE & RECTANGULAR PIPES	
13	GALVANIZED IRON PIPE	
14	COLD DRAWN SEAMLESS PRECISION TUBES	
15	SEAMLESS BOILER & HEAT EXCHANGER TUBES	
16	ERW BOILER & HEAT EXCHANGER TUBE	
17	LOW TEMPERATURE SEAMLESS PIPE	

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SR. NO.	PRODUCT NAME	SPECIFICATION
Butt-weld Pipe Fittings		
1	180° Elbow	Material Of Construction:
2	90° Elbow	Carbon Steel, Stainless Steel,
3	45° Elbow	Alloy Steel, Duplex & Super Duplex Steel
4	Reducing Tee	Etc.
5	Straight Tee	
6	Concentric Reducer	Copper Nickel Butt Weld Pipe Fittings:
7	Eccentric Reducer	CuNi10Fe1Mn,CuNi30Mn1Fe
8	Ball Caps	Size Range: 1/8" NB TO 48" NB
9	Oval Caps	Thickness: SCH: 5s, 10s, 40s, 80s, 10, 20,
10	U bends	40,STD,60,80,XS,100,120,140,160,XXS
11	Custom Radius Pipe Bends	Custom Thickness
12	Equal Cross	Surface Treatment:
13	Reducing Cross	Hot Dip Galvanizing, Anti Rust Coating
14	Long Pattern Stub Ends	Epoxy & FBE Coating
15	Short Pattern Stub Ends	Electro Polish

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Company No. 11847851

SR. NO.	PRODUCT NAME / TYPE	SPECIFICATION
1	BUTTWELD 180° ELBOW	Product Structure Standard Specification For Butt Weld Fittings Dimensions : ASME/ANSI B16.9, ASME B16.28, MSS-SP-43 Size : 1/2"NB TO 48"NB IN Type : Seamless / Welded / ERW / Welded / Fabricated Thickness : Schedule 5S, 10S, 20S, S10, S20, S30, STD, 40S, S40, S60, XS, 80S, S80, S100, S120, S140, S160, XXS and Material & Grades of Butt-weld Welded Fittings :- ASTM A403 WP316/316L, ASTM A403 SA / A 774 WP-S, WP-W, WP-WX 304/304L, ASTM A182 F316L, 304L, DIN 1.4301, DIN1.4306, DIN 1.4401, DIN 1.4404 Duplex & Super Duplex Steel Butt-weld Welded Fittings : ASTM A 815, ASME SA815 UNS NO S31803, S32205. UNS S32750, S32950. Carbon Steel Butt-weld Welded Fittings : ASTM A234, ASME SA234 WPB, WPBW, WPHY42, WPHY46, WPHY52, WPH60, WPHY65 & WPHY70. Low Temperature Carbon Steel Butt-weld Welded Fittings : ASTM A420 WPL3, A420 WPL6 Alloy Steel Butt-weld Welded Fittings :- A/SA234 WP1, WP5, WP9, WP11, WP22, WP91 A/SA182 F1, F5, F9, F11, F22, F91 Nickel Alloy Butt-weld Welded Fittings : ASTM B336, ASME SB336, Nickel 200 (UNS No. N02200), Nickel 201 (UNS No. N02201), Monel 400 (UNS No. N04400), Monel 500 (UNS No. N05500), Inconel 800 (UNS No. N08800), Inconel 825 (UNS No. N08825), Inconel 600 (UNS No. N06600), Inconel 625 (UNS No. N06625), Inconel 601 (UNS No. N06601), Hastelloy C 276 (UNS No. N10276), Alloy 20 (UNS No. N08020), Titanium (Grade I & II), Cupro-Nickel 70/30, CuNi10Fe1Mn, CuNi30Mn1Fe.
2	BUTTWELD 90° ELBOW	
3	BUTTWELD 45° ELBOW	
4	BUTTWELD REDUCING TEE	
5	BUTTWELD EQUAL TEE	
6	BUTTWELD CONCENTRIC REDUCER	
7	BUTTWELD ECCENTRIC REDUCER	
8	BUTTWELD END CAP	
9	BUTTWELD OVAL CAPS	
10	BUTTWELD U BENDS	
11	BUTTWELD CUSTOM RADIUS PIPE BENDS	
12	BUTTWELD EQUAL CROSS	
13	BUTTWELD REDUCING CROSS	
14	BUTTWELD SHORT PATTERN STUB ENDS	
15	BUTTWELD LONG STUBEND	

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SR. NO.	PRODUCT NAME	SPECIFICATION
Forged Fittings		
1	Forged Socket Pipe Fittings	Material of Construction: Carbon Steel, Stainless Steel Size Range: 1/8"~4" (DN6~DN100) Pressure: 3000LBS, 6000LBS, 9000LBS
2	Forged Threaded Pipe Fittings	Material of Construction: Carbon Steel, Stainless Steel Pressure: 2000LBS, 3000LBS, 6000LBS Size Range: 1/8"~4" (DN6~DN100)
3	Forged Olet	Size Range: 15 NB upto 100 NB 3000 LBS & 6000 (Socoklet / Thredolet / Nippolet / Elbolet / Insert Weldolet / Branzolet & Coupolet)
	(i)Socketed Outlet fittings - Socoklet (ii)Threaded Outlet fittings - Thredolet	6 NB upto 600 NB (Weldolet / Sweepolet) SCH 5S, 10S, 10, 20, 40S, 40, STD, 60, 80S, 80, XS, 100, 120, 140, 160 & XXS.
	(iii)Welded Outlet fittings - Weldolets (iv)Nippled Outlet fittings - Nippolet	Pressure: 2000 lbs, 3000 lbs, 6000 lbs, 9000 lbs

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SR. NO.	PRODUCT NAME / TYPE	SPECIFICATION
1	SOCKETWELD & THREADED ELBOW 90DEG	Product Structure Standard Specification For Forged Fittings DIMENSIONS : ASME 16.11, MSS SP-79, MSS SP-95, 83, 95, 97, BS 3799 SIZE : 1/8" NB TO 4" NB PRESSURE CLASS : 3000 LBS, 6000 LBS, 9000 LBS MATERIAL & GRADES OF FORGED FITTINGS:- ASTM A182 F304, F304L, F306, F316L, F304H, F309S, F309H, F310S, F310H, F316TI, F316H, F316LN, F317, F317L, F321, F321H, F11, F22, F91, F347, F347H, F904L, ASTM A312/A403 TP304, TP304L, TP316, TP316L DUPLEX & SUPER DUPLEX STEEL FORGED FITTINGS:- ASTM A 182 – F 51, F53, F55 S 31803, S 32205, S 32550, S 32750, S 32760, S 32950. CARBON STEEL FORGED SOCKET FITTINGS:- ASTM/ ASME A 105, ASTM/ ASME A 350 LF 2, ASTM 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 GR A, B & C. ALLOY STEEL FORGED SOCKET FITTINGS:- ASTM / ASME A 182, ASTM / ASME A 335, ASTM / ASME A 234 GR P 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 COPPER ALLOY STEEL FORGED SOCKET FITTINGS:- ASTM / ASME SB 111 UNS NO. C 10100 , C 10200 , C10300 , C 10800 , C 12000, C 12200, C 70600 C 71500, ASTM / ASME SB 466 UNS NO. C 70600 (CU -NI- 90/10) , C71500 (CU -NI- 70/30) NICKEL ALLOY FORGED SOCKET FITTINGS:- ASTM / ASME SB 336, ASTM / ASME SB 564 / 160 / 163 / 472, UNS 2200 (NICKEL 200) , UNS 2201 (NICKEL 201) , UNS 4400 (MONEL 400) , UNS 8020 (ALLOY 20 / 20 CB 3) , UNS 8825 INCONEL (825) , UNS 6600 (INCONEL 600) , UNS 6601 (INCONEL 601) , UNS 6625 (INCONEL 625) , UNS 10276 (HASTELLOY C 276).
2	SOCKETWELD & THREADED ELBOW 45DEG	
3	SOCKETWELD & THREADED TEE	
4	SOCKETWELD & THREADED CROSS	
5	SOCKETWELD & THREADED UNION	
6	SOCKETWELD & THREADED COUPLING	
7	SOCKETWELD & THREADED SQUARE PLUG	
8	SOCKETWELD & THREADED HEX HEAD PLUG	
9	SOCKETWELD & THREADED ROUND HEAD PLUG	
10	SOCKETWELD & THREADED HEX HEAD BUSHING	
11	SOCKETWELD & THREADED HEX HEAD INSIDE BUSHING	
12	SOCKETWELD & THREADED HALF-NIPPLE	
13	SOCKETWELD & THREADED CAP	
14	THREADED HEX NIPPLE	

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SR.NO	PRODUCT NAME	SPECIFICATION
FLANGES		
1	Slip-On Flange	Material Of Construction: Carbon steel: SA105/A105, Alloy Steel: SA182 F11, SA182 F22, SA350 LF2 CL1 , CL2, CL3
2	Blind Flange	Stainless Steel: F304 F304L F316 F316L etc.
3	Weld Neck Flange	Size: 1/2-78 inch (DN15-DN2000)
4	Lap Joint Flange	Pressure: class 150,300,600,1500,2500, PN6,PN10,PN16,PN25,PN40,PN64,PN100,PN160
5	Threaded Flange	Packing: No Fumigate or Fumigate Plywood/Wood Pallet or Case
6	Socket weld Flange	Surface Treatment: Anti-rust Oil, Transparent/Yellow/Black Anti-rust Paint, Zinc, Hot dipped Galvanized.
7	Orifice Flange	Usage: Oil Field, Offshore, Water System, Shipbuilding,
8	Spectacle Blind Flange	Natural Gas, Electric Power, Pipe Projects etc.



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SR. NO.	PRODUCT NAME / TYPE	SPECIFICATION
1	WELD NECK FLANGES	<p>Product Structure</p> <p>Standard Specification For Forged Flanges</p> <p>Dimensions : ANSI B16.5, ANSI B16.47 Series A & B, MSS SP44, ASA, API-605, AWWA, Custom Drawings</p> <p>Size : 1/2" (15 NB) to 48" (1200NB)</p> <p>Class : 150 LBS, 300 LBS, 600 LBS, 900 LBS, 1500 LBS, 2500 LBS, DIN Standard ND-6,10, 16, 25, 40 Etc.</p> <p>DIN : DIN2527, DIN2566, DIN2573, DIN2576, DIN2641, DIN2642, DIN2655, DIN2656, DIN2627, DIN2628, DIN2629, DIN 2631, DIN2632, DIN2633, DIN2634, DIN2635, DIN2636, DIN2637, DIN2638, DIN2673 BS : BS4504 , BS4504, BS1560, BS10</p> <p>Flange Face Type : Flat Face (FF), Raised Face (RF), Ring Type Joint (RTJ)</p> <p>Material & Grades of Forged Flanges :</p> <p>Stainless Steel Forged Flanges : ASTM A 182, A 240 F 304, 304L, 304H, 316, 316L, 316Ti, 310, 310S, 321, 321H, 317, 347, 347H, 904L</p> <p>Duplex & Super Duplex Steel Forged Flanges : ASTM / ASME A/SA 182 F 44, F 45, F51, F 53, F 55, F 60, F 61</p> <p>Carbon Steel Forged Flanges : ASTM / ASME A/SA 105 ASTM / ASME A 350 , ASTM A 181 LF 2 / A516 Gr.70 A36, A694 F42, F46, F52, F60, F65, F706</p> <p>Low Temperature Carbon Steel Forged Flanges : ASTM A350, LF2, LF3 CL.1, CL.2</p> <p>Alloy Steel Forged Flanges : ASTM / ASME A/SA 182 & A 387 F1, F5, F9, F11, F12, F22, F91</p> <p>Copper Alloy Steel Forged Flanges : ASTM SB 61 , SB62 , SB151 , SB152 UNS No. C 70600 (Cu-Ni 90/10), C 71500 (Cu-Ni 70/30), UNS No. C 10100, 10200, 10300, 10800, 12000, 12200</p> <p>Nickel Alloy Forged Flanges : ASTM SB564, SB160, SB472, SB162 Nickel 200 (UNS No. N02200), Nickel 201 (UNS No. N02201), Monel 400 (UNS No. N04400), Monel 500 (UNS No. N05500), Inconel 800 (UNS No. N08800), Inconel 825 (UNS No. N08825), Inconel 600 (UNS No. N06600), Inconel 625 (UNS No. N06625), Inconel 601 (UNS No. N06601), Hastelloy C 276 (UNS No. N10276), Alloy 20 (UNS No. N08020).</p>
2	LONG WELD NECK FLANGES	
3	SLIP ON FLANGES	
4	BLIND FLANGES (BLRF)	
5	SOCKET WELD FLANGES	
6	THREADED / SCREWED FLANGES	
7	LAP JOINT FLANGES	
8	PLATE FLANGES	
9	REDUCING FLANGES	
10	DIN FLANGES	
11	BS 10 FLANGES	
12	MALE & FEMALE FLANGES	
13	RAISED FACE FLANGES	
14	RING TYPE JOINT FLANGES (RTJ)	
15	SPECTACLE BLIND FLANGE	
16	ORIFICE FLANGE	

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SR. NO.	PRODUCT NAME	SPECIFICATION
STAINLESS STEEL BLACK BAR, BRIGHT BAR AND FORGE BAR		
1	Size Range (DIA)	1.8MM To 600MM
2	Tolerance	H8, H9, H10, H11
3	Grades	304,316,316Ti,317,410, 416, 420, 430, 430F, 431,17-4PH.



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