



INOAFRICA

Your Trusted Steel Partner

- Flanges
- Fittings
- Pipes & Tubes
- Fasteners
- Bars
- Sheets & Plates

ADRESSE: CITÉ ZAATIR, JAOUHARA, SOUSSE TUNISIE

→ TEL/WHATS

+216 55 318 719
WWW.INOAFRICA.COM



E-MAIL: CONTACT@INOAFRICA.COM

1. FLANGES

STAINLESS STEEL	304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 904L, ETC.
CARBON STEEL	ASTM/ASME A350 LF2 / A516 GR.70, ASTM/ASME A/SA105
ALLOY STEEL	ASTM A182 P1 / P5 / P9 / P11 / P22 / P91, ETC.
DUPLEX STEEL	F51, F53, F55, F60, F61, ETC.
COPPER ALLOYS	CUPRONICKEL CU70NI30 (C-71500), CU90NI10 (C-70600), BRASS, ETC.
NICKEL ALLOYS	HASTELLOY C-22, C-276, MONEL 400, K-500, INCONEL 600, 625, 800, 825, ETC.
TYPES	WELDNECK, SLIPON, BLIND, SOCKET WELD, LAP JOINT, SPECTACLES, RING JOINT, ORIFICE, LONG WELDNECK, ETC.
SIZE	FORGED FLANGE 600 NB / PLATE FLANGE 1200 NB
CLASS	150#, 300#, 400#, 600#, 900#, 1500# & 2500#
DIN STANDARDS	2527, 2576, 2633, 2634, 2635, ND-6, ND-10, ND-16, ND-40
BS-10	TABLE D, E, F, H, J



2. FITTINGS

2.1 BUTT-WELD FITTINGS

STAINLESS STEEL	ASTM A403 WP 202, 303, 304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 904L, ETC.
CARBON STEEL	ASTM/ASME A234 WPB, ASME/ANSI B16.9
ALLOY STEEL	ASTM A234 WP P1 / P5 / P9 / P11 / P22 / P91, ETC.
DUPLEX STEEL	ASTM A815 UNS S31803, S32205, S32750, S32760, ETC.
COPPER ALLOYS	C-101, C-102, C-103, C-120, C-122, CUPRONICKEL CU70NI30 (C-71500), CU90NI10 (C-70600), BRASS, BERYLLIUM COPPER, PHOSPHOR BRONZE, GUNMETAL
NICKEL ALLOYS	NICKEL 200/201, HASTELLOY C-22, C-276, MONEL 400, K-500, INCONEL 600, 625, 718, 800H/T, 825, ETC.
TYPES	LR/SR 90° ELBOW & BEND, LR/SR 45° ELBOW, 180° ELBOW/U-BEND, REDUCING ELBOW, EQUAL/UNEQUAL TEE, CROSS, CONCENTRIC/ECCENTRIC REDUCER, STUBEND, COLLAR, PIPE CAP, COUPLING, SOCKET, PLUG, ETC.
SIZE	1/4" NB TO 72" NB (SEAMLESS & WELDED)
WALL THICKNESS	SCH 5S TO SCH XXS



2.2 SCREWED & FORGED FITTINGS

STAINLESS STEEL	ASTM A182 WP 304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 409, 410, 904L, ETC.
CARBON STEEL	ASTM/ASME A105/A234 WPB, ASME/ANSI B16.11
ALLOY STEEL	ASTM AWP P1 / P5 / P9 / P11 / P22 / P91, ETC.
DUPLEX STEEL	ASTM A182 F51, F53, F55, F60, F61, ETC.
COPPER ALLOYS	C-101, C-102, C-103, C-120, C-122, CUPRONICKEL CU70NI30 (C-71500), CU90NI10 (C-70600), BRASS, BERYLLIUM COPPER, PHOSPHOR BRONZE, GUNMETAL
NICKEL ALLOYS	NICKEL 200/201, HASTELLOY C-22, C-276, MONEL 400, K-500, INCONEL 600, 625, 800, 825, ETC.
TYPES	ELBOW, TEE, UNION, CROSS, COUPLING, BUSHING, PLUG, SWAGE NIPPLE, WELDING BOSS, HEX NIPPLE, BARREL NIPPLE, WELDING NIPPLE, STREET ELBOW, HEX NUT, HOSE NIPPLE, BEND, ADAPTER, INSERT, ETC.
SIZE	1/4" NB TO 32" NB (SOCKET-WELD & THREADED)
CLASS	3000#, 6000# & 9000#



2.3 BENDS

STAINLESS STEEL	ASTM A403 WP TP304, 304L, 309, 310, 316, 316L, 317, 321, 410, 904L, ETC.
DUPLEX SS	ASTM A815 UNS S31803, S32760, S31500
ALLOY STEEL	ASTM A234 WP-P5, P9, P11, P12, P21, P22 & P91
CARBON STEEL	ASTM A234 WPB
NICKEL ALLOYS	NICKEL 200/201, HASTELLOY C-22, C-276, MONEL 400, K-500, INCONEL 600, 625, 718, 800H/T, 825, ETC.
COPPER ALLOYS	C-101, C-102, C-103, C-120, C-122, CUPRONICKEL CU70NI30 (C-71500), CU90NI10 (C-70600), BRASS, BERYLLIUM COPPER, PHOSPHOR BRONZE, GUNMETAL
SIZE	2" NB TO 18" NB
WALL THICKNESS	SCH 5S TO SCH XXS
TYPE	SEAMLESS, WELDED, FABRICATED
FORM	LONG RADIUS BEND, PIGGABLE BEND, HOT BEND — R=3D, 5D, 6D, 8D, 10D & CUSTOMIZED

3. FASTENERS

HIGH TENSILE	ASTM A193 GR B6, B7, B7M, B16; ASTM A193 GR 2H, 2HM; IS GR 6, 6.8, 6.9, 8.8, 10.9, 12.9; BS GR R, S, T; ASTM A320
STAINLESS STEEL	ASTM/ASME A193 B8 (304), B8C (SS347), B8M (SS316), B8T (SS321); A2, A4; 304H/L, 316L, TI, 309, 310, 317L, 321, 347, 904L
DUPLEX SS	ASTM A815 UNS S31803, S32760, S31500
NICKEL ALLOYS	NICKEL 200/201, HASTELLOY C-22, C-276, MONEL 400, K-500, INCONEL 600, 625, 718, 800H/T, 825, ETC.
COPPER ALLOYS	C-101, C-102, C-103, C-120, C-122, CUPRONICKEL CU70NI30 (C-71500), CU90NI10 (C-70600), BRASS, BERYLLIUM COPPER, PHOSPHOR BRONZE, GUNMETAL
SIZE	M10 TO M100
LENGTH	15 MM TO 5 METRES
FORMS	STUD BOLTS, HEX HEAD BOLTS, ANCHOR BOLTS, U-BOLTS, J-BOLTS, MUSHROOM HEAD SQUARE NECK BOLTS, T-HEAD BOLTS, EYE BOLTS, FOUNDATION BOLTS, STRUCTURAL BOLTS, HEXAGON NUTS, HEX COUPLING NUTS, SQUARE NUT, SELF-LOCKING NUT, DOMED CAP NUTS, PLAIN WASHERS, SPRING LOCK WASHER, HEAVY DUTY WASHER, ALLEN CAP SCREWS, THREADED ROD, SPLIT PIN, ETC.



4. PIPES & TUBES

4.1 STAINLESS STEEL PIPES & TUBES

GRADE	ASTM A312 TP 202, 303, 304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 409, 410, 904L, ETC.
TYPE	SEAMLESS, ERW
SHAPE	ROUND, SQUARE, RECTANGULAR
SIZE	UP TO 48" NB
WALL THICKNESS	SCH 5S TO SCH XXS

4.2 CARBON STEEL PIPES (SEAMLESS – IBR & NON-IBR)

GRADE	ASTM/ASME A53 GR B & C, A106 GR B & C, API-5L GR B, API-5L X42/X46/X52/X60/X65/X70, ASTM/ASME A691 GR A/B/C
SHAPE	ROUND, SQUARE, RECTANGULAR
SIZE	UP TO 24" NB (SEAMLESS)
WALL THICKNESS	SCH 5 TO SCH XXS



4.3 MILD STEEL ERW PIPES

ERW PIPES & TUBES	AS PER IS 239 LIGHT/MEDIUM/HEAVY DUTY & IS 3589 FE 330/410, IS 1161
HEAT EXCHANGER TUBES	AS PER BS 3059 PART I GR. 320, PART II GR. 360/440/620 — WITH IBR TEST CERTIFICATE
SAW/EFW PIPES	AS PER ASTM A53 GR B, API 5L GR B & ASTM A671/A672/A692 — ALL CLASSES WITH IBR TEST CERTIFICATE

4.4 DUPLEX STEEL PIPES & TUBES

GRADE	2205 (S-31803), S-32205, 2304 (S-32304), 2101 (S-32101), 2507 (S-32750), F55 (S-32760), 254 SMO (S-31254)
SHAPE	ROUND, SQUARE, RECTANGULAR
SIZE	UP TO 24" NB
WALL THICKNESS	SCH 5 TO SCH XXS

4.5 COPPER & COPPER ALLOY PIPES

GRADE	C-101, C-102, C-103, C-120, C-122, CUPRONICKEL CU70NI30 (C-71500), CU90NI10 (C-70600), BRASS, BERYLLIUM COPPER, PHOSPHOR BRONZE, GUNMETAL
SHAPE	ROUND, SQUARE, RECTANGULAR
SIZE	UP TO 24" NB
WALL THICKNESS	SCH 5 TO SCH XXS

4.6 NICKEL & NICKEL ALLOY PIPES

GRADE	NICKEL 200/201, HASTELLOY C-22, C-276, MONEL 400, K-500, INCONEL 600, 625, 718, 800/H/T, 825, ETC.
TYPE	SEAMLESS, ERW
SHAPE	ROUND, SQUARE, RECTANGULAR
SIZE	UP TO 48" NB
WALL THICKNESS	SCH 5S TO SCH XXS



5. SOLID BARS

STAINLESS STEEL	304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 409, 410, 904L, ETC.
DUPLEX SS	2205 (S-31803), S-32205, 2507 (S-32750), F55 (S-32760), 254 SMO
ALLOY STEEL	F5, F9, F11, F12, F22, F91
CARBON STEEL	ASTM/ASME A516 GR. 60/70, A517 GR. 60/70, IS 2062, IS 2002
ALUMINIUM	ALLOYS 8001, 1011
TITANIUM	GRADE 1, GRADE 2, GRADE 5
NICKEL ALLOYS	NICKEL 200/201, HASTELLOY C-22, C-276, MONEL 400, K-500, INCONEL 600, 625, 718, 800H/T, 825, ETC.
COPPER ALLOYS	C-101, C-102, C-103, C-120, C-122, CUPRONICKEL CU70NI30 (C-71500), CU90NI10 (C-70600), BRASS, BERYLLIUM COPPER, PHOSPHOR BRONZE, GUNMETAL
BAR SIZE	RODS: 4 MM TO 350 MM DIA
WIRE SIZE	0.5 MM TO 10 MM DIA
FORMS	ROUND BAR, HEX BAR, FLAT BAR, SQUARE BAR, STRAIGHT WIRE
FINISH	ROLLED BLACK, BRIGHT, FORGED, POLISHED, 2B, 2D, BA, MAT



6. STRIP, SHEETS & PLATES

STAINLESS STEEL	304, 304L, 309, 310, 316, 316L, 317, 317L, 321, 409, 410, 904L, ETC.
DUPLEX SS	2205 (S-31803), S-32205, 2507 (S-32750), F55 (S-32760), 254 SMO
ALLOY STEEL	F5, F9, F11, F12, F22, F91
CARBON STEEL	ASTM/ASME A516 GR. 60/70, A517 GR. 60/70, IS 2062, IS 2002
ALUMINIUM	ALLOYS 8001, 1011
TITANIUM	GRADE 1, GRADE 2, GRADE 5
NICKEL ALLOYS	NICKEL 200/201, HASTELLOY C-22, C-276, MONEL 400, K-500, INCONEL 600, 625, 718, 800H/T, 825, ETC.
COPPER ALLOYS	C-101, C-102, C-103, C-120, C-122, CUPRONICKEL CU70NI30 (C-71500), CU90NI10 (C-70600), BRASS, BERYLLIUM COPPER, PHOSPHOR BRONZE, GUNMETAL
THICKNESS	0.1 MM TO 150 MM
WIDTH	1000 MM TO 2500 MM
LENGTH	2000 MM TO COIL
FORMS	COILS, FOILS, SHIM SHEET, PERFORATED SHEET, CHEQUERED PLATE, STRIP, FLATS, BLANK (CIRCLE), RING (FLANGE), ANGLE, CHANNEL, TRAY, ETC.
SHEET FINISH	2B, 2D, HR, CR, BA (NO.8), SATIN (MAT WITH PVC COATED)



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