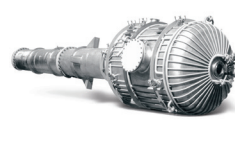
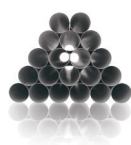


ORSI

HIGHLIGHTS

SPECIAL
PIPING
SOLUTIONS



_ STAINLESS STEELS
_ NICKEL ALLOYS
_ TITANIUM
_ ZIRCONIUM



MANUFACTURERS & FABRICATORS



We produce since 1954 a full range of standard and tailor made products, just in time, achieving excellent quality and with the required characteristics to meet our customers’ needs.

WELDED PIPES - made from plates.
Diameters from 80 to 2500 mm, thickness from 2 to 60 mm and lengths up to 12 m.

FITTINGS - elbows, tees, reducers, stub ends, caps, s.w. and npt fittings, tailor made fittings. Diameters from 21.3 to 1016 mm, thickness from 2 to 50 mm.

PRESSURE VESSELS - reactors, tanks, columns and flare tips.
Diameters up to 4000 mm and thicknesses up to 30 mm

PREFABRICATIONS - piping spools, manifolds, headers, according to customer’s drawings.

HIGH PERFORMANCE MATERIALS

NICKEL ALLOYS		TITANIUM	ZIRCONIUM	STAINLESS STEELS	
200/201	B4	Grade 1	Zr 702	316LS	904L
400	C276	Grade 2		317L	6Mo
600	C22	Grade 7		309/S	926
601	C2000	Grade 12		310S	254SMO
602CA	C4			310MoLN	28
617	59			310L NAG	31
625	X			330	33
800H/HT	G30			S1	
825	G35			We can produce special products or out of standard dimensions also in stainless steels 304/L, 304H, 321/H, 347/H, 316/L, 316H, 316Ti or austeno-ferritic stainless steels duplex and superduplex.	
20	HR120				
B3					

Our long history has allowed us to build up a great deal of experience in processing and welding all nickel alloys, titanium, zirconium, superaustenitic stainless steels and special alloys **for high temperatures or specific corrosion problems such as urea, nitric acid, sulphuric acid, hydrochloric acid and wet flue gas desulfurization.**

STOCKIST



In order to guarantee an efficient and quick service, we can supply a wide range of products directly from our on-site stock.

PIPES seamless and welded
B.W.FITTINGS seamless and welded
from 1/2” to 8” - Sch.10s and 40s

TITANIUM Gr.2
ALLOY C276
ALLOY C22

ALLOY 625
ALLOY 825
254 SMO/6Mo

904L
DUPLEX
SUPERDUPLEX

HIGH QUALITY



Our primary commitment is to be a reliable, long-term partner to all our stakeholders, including our customers, our suppliers and our staff. To achieve this goal we are continuously improving our manufacturing procedures and services. Our corporate values - integrity, fairness and passion - create the framework in which we strive to satisfy all stakeholders and at the same time meet the highest standards as regards the environment, health and safety. We have therefore implemented an integrated management system focused on sustainable growth certified by Lloyd's Register in accordance to ISO 9001, ISO 14001 and OHSAS 18001.

FULL PACKAGES IN SPECIAL ALLOYS

We can supply full packages of welded and seamless pipes, welded and seamless b.w. fittings, forged fittings, flanges, plates, gaskets, bolts, nuts or made to measure products.

Management System
ISO 9001
ISO 14001
OHSAS 18001



Design codes
ASME VIII Div.1 (U-Stamp)
AD 2000
PED 2017/68/EU

Products
ASTM/ASME
EN - DIN
NORSOK M-650

Weldings
UNI EN ISO 3834-2
ASME IX
EN ISO 15614-1

NDT personnel
SNT-TC-1A
UNI EN 9712 (473)

Applications
OIL & GAS
CHEMICAL
PETROCHEMICAL
NUCLEAR
POWER GEN

SPECIAL PIPING SOLUTIONS





STAINLESS STEELS, NICKEL ALLOYS, TITANIUM, ZIRCONIUM

Nominal Pipe Size NPS	Nominal Diam. DN	Outside Diam. mm	Schedules - ASME B36.19M and B36.10M																	
			5S	5	10S	10	20	30	40S	STD	40	60	80S	XS	80	100	120	140	160	XXS
1/8	6	10,3	-		1,24	-	1,45		1,73		-		2,41		-	-	-	-	-	-
			-		0,28	-	0,32		0,37		-		0,47		-	-	-	-	-	-
1/4	8	13,7	-		1,65	-	1,85		2,24		-		3,02		-	-	-	-	-	-
			-		0,49	-	0,54		0,63		-		0,80		-	-	-	-	-	-
3/8	10	17,1	-		1,65	-	1,85		2,31		-		3,20		-	-	-	-	-	-
			-		0,63	-	0,70		0,84		-		1,10		-	-	-	-	-	-
1/2	15	21,3	1,65	2,11	-	2,41	2,77	-	3,73	-	-	-	3,73	-	-	-	-	4,78	7,47	
			0,80	1,00	-	1,12	1,27	-	1,62	-	-	-	1,62	-	-	-	-	1,95	2,55	
3/4	20	26,7	1,65	2,11	-	2,41	2,87	-	3,91	-	-	-	3,91	-	-	-	-	5,56	7,82	
			1,02	1,28	-	1,44	1,69	-	2,20	-	-	-	2,20	-	-	-	-	2,90	3,64	
1	25	33,4	1,65	2,77	-	2,90	3,38	-	4,55	-	-	-	4,55	-	-	-	-	6,35	9,09	
			1,29	2,09	-	2,18	2,50	-	3,24	-	-	-	3,24	-	-	-	-	4,24	5,45	
1 1/4	32	42,2	1,65	2,77	-	2,97	3,56	-	4,85	-	-	-	4,85	-	-	-	-	6,35	9,70	
			1,65	2,69	-	2,87	3,39	-	4,47	-	-	-	4,47	-	-	-	-	5,61	7,77	
1 1/2	40	48,3	1,65	2,77	-	3,18	3,68	-	5,08	-	-	-	5,08	-	-	-	-	7,14	10,15	
			1,90	3,11	-	3,53	4,05	-	5,41	-	-	-	5,41	-	-	-	-	7,25	9,55	
2	50	60,3	1,65	2,77	-	3,18	3,91	-	5,54	-	-	-	5,54	-	-	-	-	8,74	11,07	
			2,39	3,93	-	4,48	5,44	-	7,48	-	-	-	7,48	-	-	-	-	11,11	13,44	
2 1/2	65	73,0	2,11	3,05	-	4,78	5,16	-	7,01	-	-	-	7,01	-	-	-	-	9,53	14,02	
			3,69	5,26	-	8,04	8,63	-	11,41	-	-	-	11,41	-	-	-	-	14,92	20,39	
3	80	88,9	2,11	3,05	-	4,78	5,49	-	7,62	-	-	-	7,62	-	-	-	-	11,13	15,24	
			4,52	6,46	-	9,92	11,29	-	15,27	-	-	-	15,27	-	-	-	-	21,35	27,68	
3 1/2	90	101,6	2,11	3,05	-	4,78	5,74	-	8,08	-	-	-	8,08	-	-	-	-	-	-	-
			5,18	7,41	-	11,41	13,57	-	18,64	-	-	-	18,64	-	-	-	-	-	-	-
4	100	114,3	2,11	3,05	-	4,78	6,02	-	8,56	-	-	-	8,56	-	-	11,13	-	13,49	17,12	
			5,84	8,37	-	12,91	16,08	-	22,32	-	-	-	22,32	-	-	28,32	-	33,54	41,03	
5	125	141,3	2,77	3,40	-	-	6,55	-	9,53	-	-	-	9,53	-	-	12,70	-	15,88	19,05	
			9,46	11,56	-	-	21,77	-	30,97	-	-	-	30,97	-	-	40,28	-	49,12	57,43	
6	150	168,3	2,77	3,40	-	-	7,11	-	10,97	-	-	-	10,97	-	-	14,27	-	18,26	21,95	
			11,31	13,83	-	-	28,26	-	42,56	-	-	-	42,56	-	-	54,21	-	67,57	79,22	
8	200	219,1	2,77	3,76	-	6,35	7,04	-	8,18	-	10,31	-	12,70	-	15,09	18,26	20,62	23,01	22,23	
			14,78	19,97	-	33,32	36,82	-	42,55	-	53,09	-	64,64	-	75,92	90,44	100,93	111,27	107,93	
10	250	273,0	3,40	4,19	-	6,35	7,80	-	9,27	-	12,70	12,70	12,70	15,09	18,26	21,44	25,40	28,58	25,40	
			22,61	27,79	-	41,76	51,01	-	60,31	-	81,53	81,56	81,56	95,98	114,71	133,01	155,10	172,27	155,10	
12	300	323,8	3,96	4,57	-	6,35	8,38	9,53	9,53	10,31	14,27	12,70	12,70	17,48	21,44	25,40	28,58	33,32	25,40	
			31,25	35,99	-	49,71	65,19	73,88	73,88	79,71	108,93	97,47	97,47	132,05	159,87	186,92	208,08	238,69	186,92	
14	350	355,6	3,96	4,78	6,35	7,92	9,53	9,53	9,53	11,13	15,09	12,70	12,70	19,05	23,83	27,79	31,75	35,71	-	
			34,34	41,39	54,69	67,91	81,33	81,33	81,33	94,55	126,72	107,40	107,40	158,11	194,98	224,66	253,58	281,72	-	
16	400	406,4	4,19	4,78	6,35	7,92	9,53	9,53	9,53	12,70	16,66	12,70	12,70	21,44	26,19	30,96	36,53	40,49	-	
			41,56	47,34	62,65	77,83	93,27	93,27	93,27	123,31	160,13	123,31	123,31	203,54	245,57	286,66	333,21	365,38	-	
18	450	457	4,19	4,78	6,35	7,92	11,13	9,53	9,53	14,27	19,05	12,70	12,70	23,83	29,36	34,93	39,67	45,24	-	
			46,79	53,31	70,57	87,71	122,38	105,17	105,17	155,81	205,75	139,16	139,16	254,57	309,64	363,58	408,28	459,39	-	
20	500	508	4,78	5,54	6,35	9,53	12,70	9,53	9,53	15,09	20,62	12,70	12,70	26,19	32,54	38,10	44,45	50,01	-	
			59,32	68,65	78,56	117,15	155,13	117,15	117,15	183,43	247,84	155,13	155,13	311,19	381,55	441,52	508,15	564,85	-	
22	550	559	4,78	5,54	6,35	9,53	12,70	-	9,53	-	22,23	-	12,70	28,58	34,93	41,28	47,63	53,98	-	
			65,33	75,62	86,55	129,14	171,10	-	129,14	-	294,27	-	171,10	373,85	451,45	527,05	600,67	672,30	-	
24	600	610	5,54	6,35	6,35	9,53	14,27	9,53	9,53	17,48	24,61	12,70	12,70	30,96	38,89	46,02	52,37	59,54	-	
			82,58	94,53	94,53	141,12	209,65	141,12	141,12	255,43	355,28	187,07	187,07	442,11	547,74	640,07	720,19	808,27	-	
26	650	660	-	-	7,92	12,70	-	-	9,53	-	-	-	12,70	-	-	-	-	-	-	-
			-	-	127,36	202,74	-	-	152,88	-	-	-	202,74	-	-	-	-	-	-	-
28	700	711	-	-	7,92	12,70	15,88	-	9,53	-	-	-	12,70	-	-	-	-	-	-	-
			-	-	137,32	218,71	272,23	-	164,86	-	-	-	218,71	-	-	-	-	-	-	-
30	750	762	6,35	7,92	7,92	12,70	15,88	-	9,53	-	-	-	12,70	-	-	-	-	-	-	-
			118,34	147,29	147,29	234,68	292,20	-	176,85	-	-	-	234,68	-	-	-	-	-	-	-
32	800	813	-	-	7,92	12,70	15,88	-	9,53	17,48	-	-	12,70	-	-	-	-	-	-	-
			-	-	157,25	250,65	312,17	-	188,83	342,94	-	-	250,65	-	-	-	-	-	-	-
34	850	864	-	-	7,92	12,70	15,88	-	9,53	17,48	-	-	12,70	-	-	-	-	-	-	-
			-	-	167,21	266,63	332,14	-	200,82	364,92	-	-	266,63	-	-	-	-	-	-	-
36	900	914	-	-	7,92	12,70	15,88	-	9,53	19,05	-	-	12,70	-	-	-	-	-	-	-
			-	-	176,97	282,29	351,73	-	212,57	420,45	-	-	282,29	-	-	-	-	-	-	-
38	950	965	-	-	-	-	-	-	9,53	-	-	-	12,70	-	-	-	-	-	-	-
			-	-	-	-	-	-	224,56	-	-	-	298,26	-	-	-	-	-	-	-
40	1000	1016	-	-	-	-	-	-	9,53	-	-	-	12,70	-	-	-	-	-	-	-
			-	-	-	-	-	-	236,54	-	-	-	314,23	-	-	-	-	-	-	-
42	1050	1067	-	-	-	-	-	-	9,53	-	-	-	12,70	-	-	-	-	-	-	-
			-	-	-	-	-	-	248,53	-	-	-	330,21	-	-	-	-	-	-	-
44	1100	1118	-	-	-	-	-	-	9,53	-	-	-	12,70	-	-	-	-	-	-	-
			-	-	-	-	-	-	260,52	-	-	-	346,18	-	-	-	-	-	-	-
46	1150	1168	-	-	-	-	-	-	9,53	-	-	-	12,70	-	-	-	-	-	-	-
			-	-	-	-	-	-	272,27	-	-	-	361,84	-	-	-	-	-	-	-
48	1200	1219	-	-	-	-	-	-	9,53	-	-	-								

Schedules 5S, 10S, 40S, 80S are from ASME B36.19M-2004. Other schedules are from ASME B36.10M-2004.

Wall thicknesses = mm

Theoretical weights of pipes (stainless steels density 7,86 kg/dm³) = kg/m