SEAMLESS & WELDED PIPES

GENERAL DIMENSIONS AND DATA

GOVAL ITALY

GOVAL
ITALY
MANUFACTURER & DISTRIBUTOR

GOVAL ITALY S.r.L

GOVAL ITALY established in 2009, a fast-growing company based in Milano Italy, specializes in the supply of valves, pipes, and pipe fittings to variety of industries such as Gas & Oil and Water.
Our policy is to provide high end products sourced from quality assessed manufacturers, whose products meet the EU standards.
Furthermore, we operate internationally and exports products to customers overseas. We make sure that we provide a streamlined process for all of our clients.

Our business model enables manufacturers to have full access to global trade, empowering them to focus on their c ore markets. We provide our retail partners with high demand products and offer direct to customer fulfillment to help build their extended aisle assortments.

Why US:
Privileges to work with us:
-We stock all of our products in warehouse located in Milano industrial area. We are ready to ship and fulfill your immediate needs.
-We carry a very wide range of valves, pipes and fittings, covering a wide range of corporate needs.
-We are constantly revamping logistics and supply chain processes, so as to keep costs down and our prices competitive.

Our Mission
We adopt the latest technology to guarantee excellent quality and services.

Our Vision
To make a difference through providing the technical solutions that appropriate to every customer's needs.

Product

■ Process of Steel Pipe

According to the manufacturing and processing methods, steel pipes are divided into seamless pipes and welded steel pipes. Seamless tubes are formed in one stage during rolling, but welded tubes need welding process after rolling. Due to the different shapes of the weld, it can be divided into spiral welding and straight seam welding. Seamless steel pipe and welded steel pipe manufacturers can produce steel pipes with high quality, reliability and corrosion resistance. In determining the type of pipeline, the main focus is on the application specifications and

➢ Seamless Steel Pipe:

Seamless steel pipes are usually manufactured in complex steps, starting with hollow holes drilled from the blank, through cold drawing and cold rolling processes. Compared with welded pipe, the size of seamless pipe is difficult to control, and cold working improves mechanical properties and tolerances. The most obvious advantage of seamless pipe is that it can produce thick wall seamless pipe, which has better mechanical properties and corrosion resistance than seamed pipe. In addition, the ovality or roundness of seamless pipe will be better. It is generally preferred to use under extreme environmental conditions such as high load, high pressure and high corrosivity.



➢ Welded Steel Pipe:

Welded steel pipes are formed by welding tubular steel plates rolled through seams or spiral seams. There are different manufacturing methods for welded pipes according to external dimensions, wall thickness and application. Each method starts with hot billets or flat bars, and then pipes are made by stretching the hot billets and pressing the edges together and sealing them with welds.



PRODUCT

■ Carbon Steel Pipe

➢ **Product Standards and Standard No. of Carbon Steel Seamless Pipe:**

Product Standards	*.Standard No*
ASTM	*A53 A106 A179 A192 A210 A333 A334 A523 A795*
EN	*EN 10208-1 EN 10208-2 EN 10216-1 EN 10216-2 EN 10216-4 EN 10224 EN 10255 EN 10297 -1 EN 10288 EN 10305-1 EN 10305-4*
API	*API 5L*
JIS	*JIS G3444 G3445 G3454 G3455 G3461 G3475 G3456 G3460 G3464 G3469 G7216*
ISO	*ISO 3183*

➢ **Product Standard and Standard No. of Carbon Steel Welded Pipe:**

Product Standards	**.Standard No**
ASTM	A53 A134 A135 A139 A178 A214 A333 A334 A381 A513 A523 A671 A672 A691 A795
EN	EN 10208-1 EN 10208-2 EN 10217-1 EN 10217-2 EN 10217-4 EN 10217-5 EN 10217-6 EN 10224 EN 10255 EN 10288 EN 10296-1 EN 10305-2 EN 10305-3 EN 10305-6
API	API 5L
JIS	JIS G3442 G3443 G3444 G3445 G3452 G3454 G3456 G3460 G3461 G3464 G3469 G3475 G7217
ISO	ISO 3183

➢ **Advantage:**

Smelting process is relatively simple, low cost, good pressure processing performance, good cutting performance and good mechanical properties. Such as by changing the carbon content and for its proper heat treatment, many of the performance obtained on the industrial production requirements. Because of the low carbon steel prices, production easy, good processing performance, the industry is still the most widely used steel materials, steel products accounted for more than 80% of the total amount.

➢ **Application:**

TRANSPORTING WATER

Carbon steel pipes are the ideal choice for transporting water, sewage, and other compatible fluids. Being highly resistant to shock or vibration, the fluctuating water pressure or shock pressure from a water hammer have no ill - effects on steel pipes, making carbon steel pipes the primary choice when laying water pipelines under roadways.

INDUSTRIAL HEATING, CONDENSATION, STEAM

Carbon steel pipes are widely used in industrial processes involving high heat, extreme cold, or even transporting gases such as steam. Heating systems use thin-wall, straight bead, precision carbon steel pipes with a lower level of carbon content.

AUTOMOTIVE AND TRANSPORT

Carbon steel pipes are widely used in the automotive industry. They are especially ideal for conveyor belt idlers and lancing pipes.

PRODUCT

■ Alloy Steel Pipe

Product Standards	Standard No.
ASTM	A209 A213 A234 A250 A334 A335 A513 A519 A618 A691 A714
EN	EN 10216-3 EN 10217-3 EN 10217-5 EN 10296-1 EN 10297-1
JIS	JIS G3441 G3456 G3458 G3460 G3462

➢ Material:

ASTM	A234 WP1, WP5, WP7, WP9, WP11, WP12, WP22 A182 F1, F5, F7, F9, F11, F12, F22 A335 Gr P1, P5, P7, P9, P11, P12, P22
EN	16Mo3, 13CrMo4-5, 10CrMo9-10, X11CrMo5, X10CrMoVNb9-1
JIS	G3461(STB340, STB410, STB510) G3462(STBA22, STBA23) STPA 12, STPA 20, STPA 22, STPA 23, STPA 24, STPA 25, STPA 26

➢ Advantages:

The main advantage of alloy steel pipe is strength. When in high temperature or high-pressure environment, alloy steel pipe can better maintain its structural integrity than other types of pipes. This makes them ideal for applications at extreme temperatures or pressures, such as boilers and heat exchangers. In addition, the alloy steel pipe is corrosion resistant and wear-resistant, making it suitable for use in harsh environments.

Another advantage of alloy steel pipe is its low price. Compared with stainless steel pipe, alloy steel pipe provides excellent performance at much lower cost. This makes it an ideal choice for project budget.

➢ Application:

Alloy steel pipes are widely used. Because of its processability, high strength, availability and cost-effectiveness, it has been applied in a wide range of industries. It is used in oil drilling platforms, pressure vessels, pipelines, ships, construction equipment, vehicles and other structural components. High alloy steel pipe is an ideal choice for power generation equipment, chemical processing equipment, automotive applications, structural components, etc. due to its excellent hardness, corrosion resistance and toughness unction, technology, automotive, and more. As custom fabricators, we are always willing to work within our clients' specifications in order to bring their vision to life and create just one more incredible use for stainless steel tube.

PRODUCT

■ Stainless Steel Tube

	.Standard No
ASTM	A213 A249 A269 A312 A358 A376 A409 A511 A554 A789 A790
EN	EN 10216-5 EN 10217-7 EN 10296-2 EN 10297-2
DIN	DIN 17455/17456 DIN 17457/17458 DIN 2462/2463
JIS	JIS 3446 JIS 3459 JIS 3463

➢ Material:

Austenitic Stainless Steel	TP201 TP202 TP304/L/H/N TP309S/H TP310S/H TP316/L/H/Ti/N TP317/L TP321/H TP347/H TP348/H
Ferritic and Martensitic Stainless Steel	TP405 TP429 TP430 TP443 TP446-1 TP446-2 TP403 TP410 TP414 TP416 TP431 TP440A TP440B
Duplex Stainless Steel	S31200 S31500 S31803 S32205S32250 S32750 S32900

➢ Advantages:

The stainless steel tube has the following outstanding advantages: excellent mechanical properties, excellent wear resistance, good safety and health performance, good temperature resistance, good thermal insulation performance, smooth inner wall, small water resistance, beautiful appearance, clean, fashionable, 100% recyclable, conducive to saving water resources, wide range of use, long service life, low comprehensive cost, etc.

➢ Application:

To fully grasp how integral stainless steel tubing is to our lives, it's important to consider that it has numerous uses in our homes, including within our appliances, water, heating, and plumbing systems, in our cars, and in the tools we use. Outside of our homes, stainless steel tube plays a role in nearly every industry we rely on, from food and beverage processing to transportation, construction, technology, automotive, and more.

As custom fabricators, we are always willing to work within our clients' specifications in order to bring their vision to life and create just one more incredible use for stainless steel tube.

PIPE DIMENSIONS AND WEIGHTS

U.S./METRIC

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME			INCH	MM	LBS/ FOOT	KG/ METER	INCH	MM
1/8 6	0.405 10.3	10 STD XS	40 80	10S 40S 80S	0.049 0.068 0.095	1.24 1.73 2.41	0.19 0.24 0.31	0.28 0.37 0.47	0.307 0.269 0.215	7.82 6.84 5.84
1/4 8	0.540 13.7	10 STD XS	40 80	10S 40S 80S	0.065 0.088 0.119	1.65 2.24 3.02	0.33 0.43 0.54	0.49 0.63 0.80	0.410 0.364 0.302	10.40 9.22 7.66
3/8 10	0.675 17.1	10 STD XS	40 80	10S 40S 80S	0.065 0.091 0.126	1.65 2.31 3.20	0.42 0.57 0.74	0.63 0.84 1.10	0.545 0.493 0.423	13.80 12.48 10.70
1/2 15	0.840 21.3	5 10 STD XS 160 XX	40 80	5S 10S 40S 80S	0.065 0.083 0.109 0.147 0.188 0.294	1.65 2.11 2.77 3.73 4.78 7.47	0.54 0.67 0.85 1.09 1.31 1.72	0.80 1.00 1.27 1.62 1.95 2.55	0.710 0.674 0.622 0.546 0.464 0.252	18.00 17.08 15.76 13.84 11.74 6.36
3/4 20	1.050 26.7	5 10 STD XS 160 XX	40 80	5S 10S 40S 80S	0.065 0.083 0.113 0.154 0.219 0.308	1.65 2.11 2.87 3.91 5.56 7.82	0.69 0.86 1.13 1.48 1.95 2.44	1.03 1.28 1.69 2.20 2.90 3.64	0.920 0.884 0.824 0.742 0.612 0.434	23.40 22.48 20.96 18.88 15.58 11.06
1 25	1.315 33.4	5 10 STD XS 160 XX	40 80	5S 10S 40S 80S	0.065 0.109 0.133 0.179 0.250 0.358	1.65 2.77 3.38 4.55 6.35 9.09	0.87 1.41 1.68 2.17 2.85 3.66	1.29 2.09 2.50 3.24 4.24 5.45	1.185 1.097 1.049 0.957 0.815 0.599	30.10 27.86 26.64 24.30 20.70 15.22
1-1/4 32	1.660 42.2	5 10 STD XS 160 XX	40 80	5S 10S 40S 80S	0.065 0.109 0.140 0.191 0.250 0.382	1.65 2.77 3.56 4.85 6.35 9.70	1.11 1.81 2.27 3.00 3.77 5.22	1.65 2.69 3.39 4.47 5.61 7.77	1.530 1.442 1.380 1.278 1.160 0.896	38.90 36.66 35.08 32.50 29.50 22.80
1-1/2 40	1.900 48.3	5 10 STD XS 160 XX	40 80	5S 10S 40S 80S	0.065 0.109 0.145 0.200 0.281 0.400	1.65 2.77 3.68 5.08 7.14 10.15	1.28 2.09 2.72 3.63 4.86 6.41	1.90 3.11 4.05 5.41 7.25 9.55	1.770 1.682 1.610 1.500 1.338 1.100	45.00 42.76 40.94 38.14 34.02 28.00
2 50	2.375 60.3	5 10 STD XS 160 XX	40 80	5S 10S 40S 80S	0.065 0.109 0.154 0.218 0.344 0.436	1.65 2.77 3.91 5.54 8.74 11.07	1.61 2.64 3.66 5.03 7.47 9.04	2.39 3.93 5.44 7.48 11.11 13.44	2.245 2.157 2.067 1.939 1.687 1.503	57.00 54.76 52.48 49.22 42.82 38.16
2-1/2 65	2.875 73.0	5 10 STD XS 160 XX	40 80	5S 10S 40S 80S	0.083 0.120 0.203 0.276 0.375 0.552	2.11 3.05 5.16 7.01 9.53 14.02	2.48 3.53 5.80 7.67 10.02 13.71	3.69 5.26 8.63 11.41 14.92 20.39	2.709 2.635 2.469 2.323 2.125 1.771	68.78 66.90 62.68 58.98 53.94 44.96
3 80	3.500 88.9	5 10 STD XS 160 XX	40 80	5S 10S 40S 80S	0.083 0.120 0.216 0.300 0.438 0.600	2.11 3.05 5.49 7.62 11.13 15.24	3.03 4.34 7.58 10.26 14.34 18.60	4.52 6.46 11.29 15.27 21.35 27.68	3.334 3.260 3.068 2.900 2.624 2.300	84.68 82.80 77.92 73.66 66.64 58.42
3-1/2 90	4.000 101.6	5 10 STD XS XX	40 80	5S 10S 40S 80S	0.083 0.120 0.226 0.318 0.636	2.11 3.05 5.74 8.08 16.15	3.48 4.98 9.12 12.52 22.87	5.18 7.41 13.57 18.64 34.03	3.834 3.760 3.548 3.364 2.728	97.38 95.50 90.12 85.44 69.30
4 100	4.500 114.3	5 10 STD XS 120 160 XX	40 80	5S 10S 40S 80S	0.083 0.120 0.156 0.188 0.237 0.337 0.438 0.531 0.674	2.11 3.05 3.96 4.78 6.02 8.56 11.13 13.49 17.12	3.92 5.62 7.24 8.67 10.80 15.00 19.02 22.53 27.57	5.84 8.37 10.78 12.91 16.08 22.32 28.32 33.54 41.03	4.334 4.260 4.188 4.124 4.026 3.826 3.624 3.438 3.152	110.08 108.20 106.38 104.74 102.26 97.18 92.04 87.32 80.06
4-1/2 115	5.000 127.0	STD XS XX	40 80	40S 80S	0.247 0.355 0.710	6.27 9.02 18.03	12.55 17.63 32.56	18.67 26.24 48.45	4.506 4.290 3.580	114.46 108.96 90.94

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME			INCH	MM	LBS/ FOOT	KG/ METER	INCH	MM
5 125	5.563 141.3	5 10 STD XS 120 160 XX	40 80	5S 10S 40S 80S	0.109 0.134 0.258 0.375 0.500 0.625 0.750	2.77 3.40 6.55 9.53 12.70 15.88 19.05	6.36 7.78 14.63 20.80 27.06 32.99 38.59	9.46 11.56 21.77 30.97 40.28 49.12 57.43	5.345 5.295 5.047 4.813 4.563 4.313 4.063	135.76 134.50 128.20 122.24 115.90 109.54 103.20
6 150	6.625 168.3	5 10 STD XS 120 160 XX	40 80	5S 10S 40S 80S	0.109 0.134 0.188 0.280 0.432 0.562 0.719 0.864	2.77 3.40 4.78 7.11 10.97 14.27 18.26 21.95	7.59 9.30 12.94 18.99 28.60 36.43 45.39 53.21	11.31 13.83 19.28 28.26 42.56 54.21 67.57 79.22	6.407 6.357 6.249 6.065 5.761 5.501 5.187 4.897	162.76 161.50 158.74 154.08 146.36 139.76 131.78 124.40
7 175	7.625 193.7	STD XS XX	40 80	40S 80S	0.301 0.500 0.875	7.65 12.70 22.23	23.57 38.08 63.14	35.10 56.69 94.00	7.023 6.625 5.875	178.40 168.30 149.24
8 200	8.625 219.1	10 20 30 STD 60 XS 100 120 140 XX 160	40 80	5S 10S 40S 80S	0.109 0.148 0.250 0.277 0.322 0.406 0.500 0.594 0.719 0.812 0.875 0.906	2.77 3.76 6.35 7.04 8.18 10.31 12.70 15.09 18.26 20.62 22.23 23.01	9.92 13.41 22.38 24.72 28.58 35.67 43.43 51.00 60.77 67.82 72.49 74.76	14.78 19.97 33.32 36.82 42.55 53.09 64.64 75.92 90.44 100.93 107.93 111.27	8.407 8.329 8.125 8.071 7.981 7.813 7.625 7.437 7.187 7.001 6.875 6.813	213.56 211.58 206.40 205.02 202.74 198.48 193.70 188.92 182.58 177.86 174.64 173.08
9 225	9.625 244.5	STD XS XX	40 80	40S 80S	0.342 0.500 0.875	8.69 12.70 22.23	33.94 48.77 81.85	50.54 72.60 121.85	8.941 8.625 7.875	227.12 219.10 200.04
10 250	10.750 273.0	20 30 STD XS 80 100 120 140 160	40 60 XX	5S 10S 40S 80S	0.134 0.165 0.188 0.250 0.307 0.365 0.500 0.594 0.719 0.844 1.000 1.125	3.40 4.19 4.78 6.35 7.80 9.27 12.70 15.09 18.26 21.44 25.40 28.58	15.21 18.67 21.23 28.06 34.27 40.52 54.79 64.49 77.10 89.38 104.23 115.75	22.61 27.78 31.62 41.76 51.01 60.29 81.53 95.98 114.71 133.01 155.10 172.27	10.482 10.420 10.374 10.250 10.136 10.020 9.750 9.562 9.312 9.062 8.750 8.500	266.20 264.62 263.44 260.30 257.40 254.46 247.60 242.82 236.48 230.12 222.20 215.84
11 275	11.750 298.5	STD XS XX	40 80	40S 80S	0.375 0.500 0.875	9.53 12.70 22.23	45.60 60.13 101.72	67.91 89.51 151.46	11.000 10.750 10.000	279.44 273.10 254.04
12 300	12.750 323.8	20 30 STD 40 XS 60 80 100 120 140 160	40 80 XX	5S 10S 40S 80S	0.156 0.180 0.188 0.250 0.330 0.375 0.406 0.500 0.562 0.688 0.844 1.000 1.125 1.312	3.96 4.57 4.78 6.35 8.38 9.53 10.31 12.70 14.27 17.48 21.44 25.40 28.58 33.32	21.00 24.19 25.25 33.41 43.81 49.61 53.57 65.48 73.22 88.71 107.42 125.61 139.81 160.42	31.24 35.98 37.61 49.71 65.19 73.86 79.71 97.44 108.93 132.05 159.87 186.92 208.08 238.69	12.438 12.390 12.374 12.250 12.090 12.000 11.938 11.750 11.626 11.374 11.062 10.750 10.500 10.126	315.88 314.66 314.24 311.10 307.04 304.74 303.18 298.40 295.26 288.84 280.92 273.00 266.64 257.16
14 350	14.000 355.6	10 20 STD 40 XS 60 80 100 120 140 160	30	10S 40S 80S	0.188 0.250 0.312 0.375 0.438 0.500 0.594 0.750 0.938 1.094 1.250 1.406	4.78 6.35 7.92 9.53 11.13 12.70 15.09 19.05 23.83 27.79 31.75 35.71	27.76 36.75 45.65 54.62 63.50 72.16 85.13 106.23 130.98 150.93 170.37 189.29	41.36 54.69 67.91 81.33 94.55 107.40 126.72 158.11 194.98 224.66 253.58 281.72	13.624 13.500 13.376 13.250 13.124 13.000 12.812 12.500 12.124 11.812 11.500 11.188	346.04 342.90 339.76 336.54 333.34 330.20 325.42 317.50 307.94 300.02 292.10 284.18

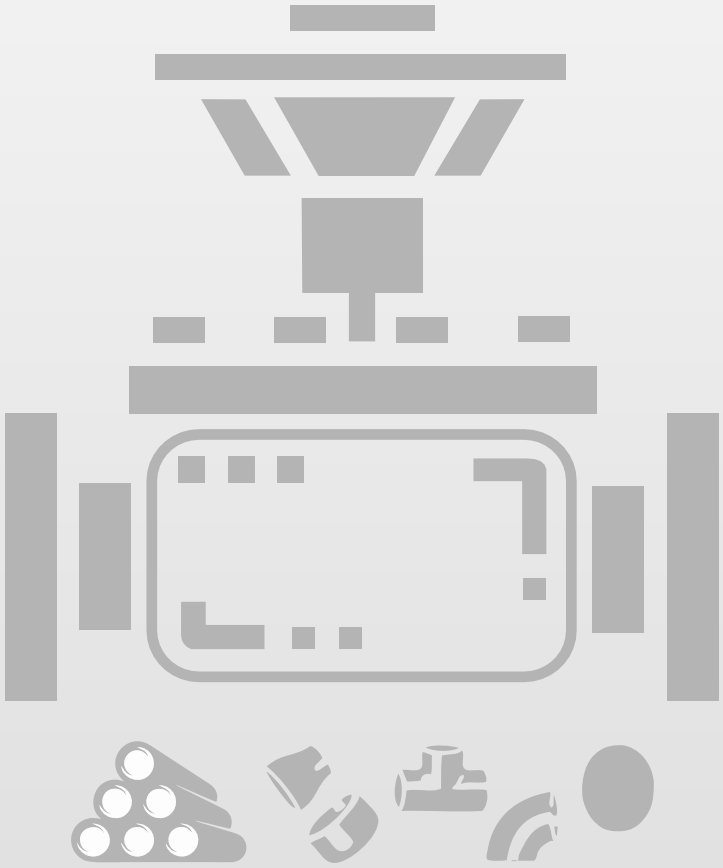
PIPE DIMENSIONS AND WEIGHTS

U.S./METRIC

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME	INCH	MM	LBS/ FOOT	KG/ METER	INCH	MM
16 400	16.000 406.4	10S	0.188	4.78	31.78	47.34	15.624	396.84
		10	0.250	6.35	42.09	62.65	15.500	393.70
		20	0.312	7.92	52.32	77.83	15.376	390.56
		STD 30 40S	0.375	9.53	62.64	93.27	15.250	387.34
		XS 40 80S	0.500	12.70	82.85	123.31	15.000	381.00
		60	0.656	16.66	107.60	160.13	14.688	373.08
		80	0.844	21.44	136.74	203.54	14.312	363.52
		100	1.031	26.19	164.98	245.57	13.938	354.02
		120	1.219	30.96	192.61	286.66	13.562	344.48
		140	1.438	36.53	223.85	333.21	13.124	333.34
		160	1.594	40.49	245.48	365.38	12.812	325.42
18 450	18.000 457	10S	0.188	4.78	35.80	53.31	17.624	447.44
		10	0.250	6.35	47.44	70.57	17.500	444.30
		20	0.312	7.92	58.99	87.71	17.376	441.16
		STD 40S	0.375	9.53	70.65	105.17	17.250	437.94
		30	0.438	11.13	82.23	122.38	17.124	434.74
		XS 80S	0.500	12.70	93.54	139.16	17.000	431.60
		40	0.562	14.27	104.76	155.81	16.876	428.46
		60	0.750	19.05	138.30	205.75	16.500	418.90
		80	0.938	23.83	171.08	254.57	16.124	409.34
		100	1.156	29.36	208.15	309.64	15.688	398.28
		120	1.375	34.93	244.37	363.58	15.250	387.14
		140	1.562	39.67	274.48	408.28	14.876	377.66
		160	1.781	45.24	308.79	459.39	14.438	366.52
20 500	20.000 508	10S	0.218	5.54	46.10	68.61	19.564	496.92
		10	0.250	6.35	52.78	78.56	19.500	495.30
		STD 20 40S	0.375	9.53	78.67	117.15	19.250	488.94
		XS 30 80S	0.500	12.70	104.23	155.13	19.000	482.60
		40	0.594	15.09	123.23	183.43	18.812	477.82
		60	0.812	20.62	166.56	247.84	18.376	466.76
		80	1.031	26.19	209.06	311.19	17.938	455.62
		100	1.281	32.54	256.34	381.55	17.438	442.92
		120	1.500	38.10	296.65	441.52	17.000	431.80
		140	1.750	44.45	341.41	508.15	16.500	419.10
		160	1.969	50.01	379.53	564.85	16.062	407.98
22 550	22.000 559	10S	0.218	5.54	50.76	75.55	21.564	547.92
		10	0.250	6.35	58.13	86.55	21.500	546.30
		STD 20 40S	0.375	9.53	86.69	129.14	21.250	539.94
		XS 30 80S	0.500	12.70	114.92	171.10	21.000	533.60
		60	0.875	22.23	197.60	294.27	20.250	514.54
		80	1.125	28.58	251.05	373.85	19.750	501.84
		100	1.375	34.93	303.16	451.45	19.250	489.14
		120	1.625	41.28	353.94	527.05	18.750	476.44
		140	1.875	47.63	403.38	600.67	18.250	463.74
		160	2.125	53.98	451.49	672.30	17.750	451.04

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME	INCH	MM	LBS/ FOOT	KG/ METER	INCH	MM
24 600	24.000 610	10 10S	0.250	6.35	63.47	94.53	23.500	597.30
		STD 20 40S	0.375	9.53	94.71	141.12	23.250	590.94
		XS 80S	0.500	12.70	125.61	187.07	23.000	584.60
		30	0.562	14.27	140.81	209.65	22.876	581.46
		40	0.688	17.48	171.45	255.43	22.624	575.04
		60	0.969	24.61	238.57	355.28	22.062	560.78
		80	1.219	30.96	296.86	442.11	21.562	548.08
		100	1.531	38.89	367.74	547.74	20.938	532.22
		120	1.812	46.02	429.79	640.07	20.376	517.96
		140	2.062	52.37	483.57	720.19	19.876	505.26
		160	2.344	59.54	542.64	808.27	19.312	490.92
26 650	26.000 660	10	0.312	7.92	85.68	127.36	25.376	644.16
		STD 40S	0.375	9.53	102.72	152.88	25.250	640.94
		XS 80S	0.500	12.70	136.30	202.74	25.000	634.60
28 700	28.000 711	10	0.312	7.92	92.35	137.32	27.376	695.16
		STD 40S	0.375	9.53	110.74	164.86	27.250	691.94
		XS 20 80S	0.500	12.70	146.99	218.71	27.000	685.60
		30	0.625	15.88	182.90	272.23	26.750	679.24
30 750	30.000 762	10	0.312	7.92	99.02	147.29	29.376	746.16
		STD 40S	0.375	9.53	118.76	176.85	29.250	742.94
		XS 20 80S	0.500	12.70	157.68	234.68	29.000	736.60
		30	0.625	15.88	196.26	292.20	28.750	730.24
32 800	32.000 813	10	0.312	7.92	105.69	157.25	31.376	797.16
		STD	0.375	9.53	126.78	188.83	31.250	793.94
		XS 20	0.500	12.70	168.37	250.65	31.000	787.60
		30	0.625	15.88	209.62	312.17	30.750	781.24
		40	0.688	17.48	230.29	342.94	30.624	778.04
34 850	34.000 864	10	0.312	7.92	112.36	167.21	33.376	848.16
		STD	0.375	9.53	134.79	200.82	33.250	844.94
		XS 20	0.500	12.70	179.06	266.63	33.000	838.60
		30	0.625	15.88	222.99	332.14	32.750	832.24
		40	0.688	17.48	245.00	364.92	32.624	829.04
36 900	36.000 914	10	0.312	7.92	119.03	176.97	35.376	898.16
		STD	0.375	9.53	142.81	212.57	35.250	894.94
		XS	0.500	12.70	189.75	282.29	35.000	888.60
42 1050	42.000 1067	STD	0.375	9.53	166.86	248.53	41.250	1047.94
		XS	0.500	12.70	221.82	330.21	41.000	1041.60
			0.625	15.88	276.44	411.64	40.750	1035.24
			0.750	19.05	330.72	492.33	40.500	1028.90
48 1200	48.000 1219	STD	0.375	9.53	190.92	284.25	47.250	1199.94
		XS	0.500	12.70	253.89	377.81	47.000	1193.60

The manufacturer does not accept any responsibility for any typing or printing errors in this catalog. It also reserves the right to make any alterations or modifications deemed necessary at any time, without altering or interfering with the basic functions of the apparatus.



GOVAL
ITALY

Goval Italy S.r.l
Via I Maggio 13 - 20090 ,
Segrate, Milano,
Italy.

T: +39 334 710 5173
E: goval@govalit.com
W: www.govalit.com