

stainless steel seamless pipes & tubes

HOT FINISHED TUBES & PIPES

DIA : 38MM TO 133MM
WALL : 3.6MM TO 22MM

SPECIFICATIONS ASTM, DIN, BS, GOST, API

COLD FINISHED TUBES & PIPES

DIA : 6MM TO 120MM
WALL : 0.5MM TO 15MM

GRADES

ASTM	: TP 304, TP304 L, TP 316, TP 316 L, TP 316 L, TP 316 Ti, TP 321, TP 321, TP 309, TP 310 /TP 314, TP 310 S, TP 330, TP 405, TP 430, TP 430 Ti, TP 444, UNS S 31803, UNS S 31500
DIN	: X5 CrNi 18.10, X2 CrNi 19.11, X5 CrNiMo 17.12.2, X2 CrNiMo 17.2.2, X2 CrNiMo 18.14.3, X6 CrNiMoTi 17.12.2, X6 CrNiTi 18.10, X 12CrNiTi 18.9, X15 CrNiSi 2012, X15 CrNiSi 2520, X12 CrNi 25.21, X12 NiCrSi 36.16, X10 NiCrAlTi 32.20, GX40 CrNiSi 25.20, X6 CrAl 13, X Cr 17, X3 Cr Ti17, X2 CrMoTi 18.2, X2 CrNiMoN 22.5.3, X2 CrNiMoSi 19.5
Romanian	: 5 NiCr 180, 2 NiCr 185, 2 MoNiCr 175, 10 TiMoCr 175, 10 TiNiCr 180, 12 TiNiCr 180, 15 SiNiCr 200, 15 SiNiCr 250, 12 NiCr 250, 12 SiNi 360, 10 TiAlCrNi 320, 40 SiNiCr 250, 7 AlCr 130, 8 Cr 170, 8 TiCr 170, 2 TiMoCr 180

Applications

Boiler Tubes and Pipes • Heat Exchangers & Condensor Applications • Hollow Bars • Instrumentation and Speciality Tubings • Mechanical Tubings and Pipings • Process Pipes • Fluid Conveyance Pipes

t u b i n o x

ADDRESS

S.C. TUBINOX S.A., 14 Industriilor Ave
Bucharest, Sect 3, Romania, 032891

Phone: + 40 21 256 0078/256.0294 • Fax: + 40 21 256 00 80

E-mail: alodha@tubinox.ro

www.tubinox.ro

GENERAL USE PIPES

DIMENSIONS TOLERANCE AS PER ASTM A 999

Standard as per ASTM A 312, ANSI B 36.19

Wall Thickness average in mm

NPS	inch	mm	Sch 5S		Sch 10S		Sch 40S		Sch 80 S		Sch 160 S		XXS	
			mm	kg/m	mm	kg/m	mm	kg/m	Mm	kg/m	mm	kg/m	mm	kg/m
1/8"	0.405	10.29			1.24	0.28	1.73	0.37	2.41	0.48				
1/4"	0.540	13.72			1.65	0.50	2.24	0.64	3.02	0.81				
3/8"	0.675	17.15			1.65	0.64	2.31	0.86	3.20	1.12				
1/2"	0.840	21.34	1.65	0.81	2.11	1.02	2.77	1.29	3.73	1.64	4.78	1.98		
3/4"	1.050	26.67	1.65	1.03	2.11	1.30	2.87	1.71	3.91	2.23	5.56	2.94	7.82	3.69
1"	1.315	33.40	1.65	1.31	2.77	2.12	3.38	2.54	4.55	3.29	6.35	4.30	9.09	5.53
1 1/4"	1.660	42.16	1.65	1.67	2.77	2.73	3.56	3.44	4.85	4.54	6.35	5.70	9.70	7.88
1 1/2"	1.900	48.26			2.77	3.16	3.68	4.11	5.08	5.50	7.14	7.36	10.15	9.68
2"	2.375	60.33			2.77	3.99	3.91	5.52	5.54	7.60	8.74	11.28	11.07	13.65
2 1/2"	2.875	73.03	2.11	3.75	3.05	5.34	5.16	8.77	7.01	11.59	9.53	11.15		

HEAT RESISTANT TUBES

DIMENSIONS TOLERANCE AS PER ASTM A 1016

Standard as per ASTM A 213, ASTM A 269

No.	Outside Diameter		Minimum Wall Thickness											
	inch	mm	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)
			0.035 (0.89)	0.049 (1.25)	0.065 (1.65)	0.068 (1.73)	0.083 (2.11)	0.095 (2.41)	0.109 (2.77)	0.126 (3.20)	0.147 (3.73)	0.154 (3.91)	0.179 (4.55)	0.203 (5.16)
1	3/8"	9.52												
2	1/2"	12.70												
3	5/8"	16.87												
4	3/4"	19.05												
5	1"	25.40												
6	1 1/4"	31.75												
7	1 3/8"	34.92												
8	1 1/2"	38.10												
9	1 5/8"	41.27												
10	1 3/4"	44.45												
11	2"	50.80												
12	2 1/4"	57.15												
13	2 3/8"	60.33												

Light blue colour : cold plastic deformation process

Yellow colour : hot extrusion process

HOLLOW STEEL BARS FOR MACHINING

STANDARD AS PER ISO 2938

S No	OD	Series 1		Series 2		Series 3		Series 4		Series 5	
		ID	WT	ID	WT	ID	WT	ID	WT	ID	WT
1	45	32	6.5	mm		28	8.5			20	12.5
2	50	36	7.0			32	9.0			25	12.5
3	56	40	8.0			36	10.0			28	14.0
4	63	50	6.5		9.0	40	11.5	36	13.5	32	15.5
5	71	56	7.5	50	10.5	45	13.0	40	15.5	36	17.5
6	75	60	7.5	56	9.5	50	12.5	45	15.0	40	17.5

Permissible variation: OD +2%, but not less than 1.0 mm

WT minimum is not under 95%