

EN 10088-1 Name	EN N°	USA AISI
X5 CrNi 18-10	1.4301	304
X2 CrNi19-11	1.4306	304L
X8 CrNi 25-21	1.4845	
X5 CrNiMo 17-12-2	1.4401	316
X3 CrNiMo 17-13-3	1.4436	316
X2 CrNiMo 17-12-2	1.4404	316L
X2 CrNiMo 18-14-3	1.4435	316L
X6 CrNiMo Ti17-12-2	1.4571	316Ti
X6 CrNiTi 18-10	1.4541	321
X6 CrNiMoN 22-5-3	1.4462	UNS 31803
X6 Cr17	1.4016	430

Production Standards

ASTM	A 249 A270 A312 A554 A778 A790
DIN	11850 / 17457
EN	10296-2 / 10217-7 / 10 312

Executions

WNP	Welded, not annealed, pickled
WA	Welded, bright annealed
CNP	Inside bead removed, not annealed, pickled
CA	Inside bead removed, bright annealed

DIMENSIONAL TOLERANCES

The tubes are supplied on request, to the dimensional tolerances indicated in the standards. Otherwise the standard tolerances are followed.

Standard Tolerances

Outside diameter		Wall thickness	
D ≤ 114.3 mm	D4 +/- 0.5 % min. 0.10mm	T3	+/- 10% min. 0.20 mm
	D3 +/- 0.75 % min. 0.30mm		
D > 114.3 mm	D2 +/- 1%		

QUALITY MANAGMENT

The company has ISO 9001:2000 Quality Management in accordance of the requirements of the European Law. All products are certified according to PED 97/23/EU.



Welded Stainless Steel Tubes

Цевки од нерѓосувачки челик - INOX



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TING -INOX is company for production of Stainless Steel welded tubes.

ТИНГ-ИНОКС е фабрика за производство на цевки од нерѓосувачки челик-ИНОКС

Our products of tubes are the following:

Round tubes, Square tubes, Rectangular tubes

Нашите профили на цевки се следниве:

Кружни, Квадратни, Правоаголни

Tubes manufactured in TING-INOX can be used in diverse applications like Industrial purposes, Decorative and Ornamental, Dairy industry etc.

Намената на нашите производи е за употреба во Прехрамбената, Хемиската Индустија како и во Градежништво за декоративна употреба итн.



We use I class material with all mill certificates for our production delivered by certified 3.1 suppliers and approved in accordance with the International requirements for stainless steel.

Користиме секогаш прва класа на материјал со сите сертификати за квалитет во согласност со сите Интернационални закони за нерѓосувачки челик.



The welding method is TIG-with three electrodes in protection area of gas and without filling material.

Методот на заварување е со ТИГ постапка со три електроди во заштитна атмосфера на гас без додаток на материјал.

Standard lengths of tubes is 6 m other lengths on demand.

Должината е стандардна -6 метри но може и должина по избор.

ROUND TUBES

Table 1: Theoretical weight per metre in Kg

Outside diameter [mm]	Thickness [mm]						Outside diameter [mm]	Thickness [mm]					
	1	1.2	1.5	2	2.5	3		1	1.2	1.5	2	2.5	3
6	0.126	0.145					32	0.781	0.931	1.153	1.512	1.859	2.192
6.35	0.135	0.156					33.7	0.824	0.983	1.217	1.598	1.966	2.321
8	0.176	0.206					34	0.832	0.992	1.228	1.613	1.984	2.344
10	0.227	0.226					35	0.857	1.022	1.266	1.663	2.047	2.419
12	0.277	0.327					38	0.932	1.113	1.380	1.814	2.236	2.646
13	0.302	0.357	0.435				40	0.983	1.173	1.455	1.915	2.362	2.797
14	0.328	0.387	0.472				42.4	1.043	1.246	1.546	2.036	2.514	2.979
15	0.353	0.417	0.510				43	1.058	1.264	1.569	2.066	2.551	3.024
16	0.378	0.448	0.548	0.706			48.3	1.192	1.424	1.769	2.334	2.885	3.425
17.2	0.408	0.484	0.593	0.766			50	1.235	1.476	1.833	2.419	2.993	3.553
18	0.428	0.508	0.624	0.806			50.8	1.255	1.500	1.864	2.460	3.043	3.614
19	0.454	0.538	0.661	0.857			52	1.285	1.536	1.909	2.520	3.119	3.704
20	0.479	0.569	0.699	0.907			53	1.310	1.566	1.947	2.570	3.182	3.780
21.3	0.512	0.608	0.748	0.973	1.184		54	1.336	1.597	1.984	2.621	3.244	3.856
22	0.529	0.629	0.775	1.008	1.228		60.3	1.494	1.787	2.223	2.938	3.641	4.332
23	0.554	0.659	0.813	1.058	1.292		63.5	1.575	1.884	2.344	3.100	3.843	4.574
25	0.605	0.720	0.888	1.159	1.417	1.663	70	1.739	2.081	2.589	3.427	4.253	5.065
26.9	0.653	0.777	0.960	1.255	1.537	1.807	73	1.814	2.171	2.703	3.578	4.441	5.292
28.6	0.696	0.829	1.024	1.341	1.644	1.935	76.1	1.893	2.265	2.820	3.735	4.637	5.526
30	0.731	0.871	1.077	1.411	1.732	2.041	88.9	2.215	2.652	3.304	4.380	5.443	6.494

SQUARE & RECTANGULAR TUBES

Table 2: Theoretical weight per metre in Kg

[mm]	Thickness [mm]						[mm]	Thickness [mm]					
	1	1.2	1.5	2	2.5	3		1	1.2	1.5	2	2.5	3
10x10	0.296	0.349	0.424				25x10	0.536	0.637	0.785			
12x12	0.360	0.426	0.521				25x15	0.610	0.724	0.890			
15x15	0.453	0.539	0.661	0.856			28x12	0.615	0.732	0.903			
20x20	0.610	0.724	0.890	1.159			30x10	0.610	0.724	0.890			
25x25	0.771	0.917	1.129	1.475	1.846	2.177	30x15	0.696	0.829	1.024	1.341		
30x30	0.931	1.108	1.371	1.795	2.203	2.643	30x20	0.771	0.917	1.129	1.475	1.846	2.177
40x40	1.251	1.494	1.852	2.434	3.003	3.562	35x15	0.771	0.917	1.129	1.475	1.846	2.177
15x10	0.375	0.445	0.544				40x20	0.931	1.108	1.371	1.795	2.203	2.643
20x10	0.456	0.541	0.665				50x25	1.170	1.398	1.734	2.275	2.803	3.365
20x15	0.536	0.637	0.785										

The products shown in the tables are manufactured in accordance with European Manufacturing Standards in Stainless steel grades 1.4301, 1.4306, 1.4401, 1.4404.

SURFACE FINISHES

The surface finishes can be the following:
Brushed in grit:80-120-180-240-320-500-600-800
Polished in grit:320-400-500-600-800
Mirror Polished



LABORATORY

The raw material and after the final product-tube are tested in our own laboratory with all necessary instruments for testing of physical and chemical properties.

With this we guarantee the quality of our products.

