

BOILER AND HEATER TUBING



VILLACERO

TODO EN ACERO

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Steel pipe with longitudinal welding, manufactured by the hot reduction method, by means of which it acquires the conditions required by the National Standard NOM-B-137, as well as international ASTM-A-178; with standardized welding, it is also subjected to non-destructive tests, such as: UT and Hydrostatic Test that ensure its quality.

CHARACTERISTICS

- In bare steel, with diameters from 32 to 100 mm (1 ¼ "to 4") with beveled ends.
- Cut to the client's size (maximum 13 m).

USES AND APPLICATIONS

- Boilers.
- Heaters

TECHNICAL INFORMATION

Dimensions and characteristics NMX -B-137 (ASTM-A-178)

DESIGNATION		EXTERNAL DIAMETER		NOMINAL THICKNESS		HYDROSTATIC PRESSURE		WEIGHT	
mm	in	mm	in	mm	in	kg/cm ²	lb/in ²	kg/m	lb/pie
32	1 1/4	31.75	1.250	2.9	0.114	105	1493	2.06	1.41
40	1 1/2	38.10	1.500	2.9	0.114	140	1991	2.51	1.71
50	2	50.80	2.000	2.9	0.114	140	1991	3.42	2.53
		50.80	2.000	3.2	0.126	140	1991	3.76	2.55
58	2 1/4	57.15	2.250	2.9	0.114	175	2489	3.87	2.65
		57.15	2.250	3.2	0.126	175	2489	4.26	2.90
65	2 1/2	63.50	2.500	2.9	0.114	175	2489	4.33	2.91
		63.50	2.500	3.2	0.126	175	2489	4.76	3.20
80	3	76.20	3.000	2.9	0.114	175	2489	5.23	3.52
		76.20	3.000	3.2	0.126	175	2489	5.76	3.87
		76.20	3.000	4.0	0.156	175	2489	7.06	4.74
84	3 1/4	82.55	3.250	2.9	0.114	211	3000	5.69	3.82
		82.55	3.250	3.2	0.126	211	3000	6.26	4.21
		82.55	3.250	3.9	0.152	211	3000	7.49	5.03
		82.55	3.250	4.0	0.157	211	3000	7.73	5.19
90	3 1/2	88.90	3.500	2.9	0.114	211	3000	6.14	4.13
		88.90	3.500	3.2	0.126	211	3000	6.76	4.54
		88.90	3.500	3.9	0.152	211	3000	8.10	5.44
		88.90	3.500	4.0	0.157	211	3000	8.35	5.61
100	4	101.60	4.000	2.9	0.114	211	3000	7.05	4.74
		101.60	4.000	3.2	0.126	211	3000	7.77	5.22
		101.60	4.000	3.9	0.152	211	3000	9.31	6.25
		101.60	4.000	4.0	0.157	211	3000	9.60	6.45

Physical requirements

Minimum Tensile Strength kg / cm ² (lb/in ²)	3305 (47,000)
Minimum yield Point kg / cm ² (lb/in ²)	1828 (26,000)
% Minimum elongation in 2"	35

Chemical requirements

%	Grade A
Carbon	0.06-0.18
Manganese	0.27-0.63
Maximum phosphorus	0.035
Maximum sulfur	0.035



PROCESSES CERTIFIED
UNDER ISO 9001: 2015 STANDARD
ISO 2754- Plant TUNA



PROCESSES CERTIFIED
UNDER API Q1 ED. 9
Q1-2621- Plant TUNA



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