Dual Certified Hot Finished

EN 10255 / EN 10217-1

ÇAYIROVA BORU

		Wall thickness (mm)										
NB	OD (mm)	1,80	2.00	2.30	2.60	2.90	3.20	3.60	4.00	4.50	5.00	5.40
10	17.2	L2	L	M		H						
15	21.3		L2	L	M		H					
20	26.9			L&L2	M		H					
25	33.7				L2	L	M		H			
32	42.4				L2	L	M		H			
40	48.3					L&L2	M		H			
50	60.3					L2	L	M		H		
65	76.1						L&L2	M		H		
80	88.9						L&L2		M		H	
100	114.3							L&L2		M		H
125	139.7									L	M	H
150	165.1									L	M	H

Suggested Maximum Pressure Ratings

EN 10255 M / EN 10217-1 T= -20°C+60°C *		
OD (mm)	Wall Thickness (mm)	P (Bar)
21,3	2,6	229
26,9	2,6	182
33,7	3,2	179
42,4	3,2	142
48,3	3,2	125
60,3	3,6	112
76,1	3,6	89
88,9	4,0	85
114,3	4,5	74
139,7	5,0	67
165,1	5,0	57

EN 10255 H / EN 10217-1 T= -20°C+60°C *		
OD (mm)	Wall Thickness (mm)	P (Bar)
21,3	3,2	282
26,9	3,2	224
33,7	4,0	223
42,4	4,0	177
48,3	4,0	156
60,3	4,5	140
76,1	4,5	111
88,9	5,0	106
114,3	5,4	89
139,7	5,4	73
165,1	5,4	61

* For higher temperatures, please refer to our EN 10255 / EN 10217-2 catalogue

Note: Working Pressures are given for information and technical guidence. Installation, design, enviromental conditions, usage, assembly and maintenance may affect the performance and condition of the system.

Dual Certified Hot Finished Installation Pipes

EN 10255 / EN 10217-1

Çayırova Boru dual certified hot finished installation pipes are manufactured to ensure the requirements of engineering, industrial and construction pipework applications.

Raw Material:

High quality, fully killed and fine grain raw material.
Steel grade covering both **P235 TR1 (EN 10217-1)** and **S195 T (EN 10255)** requirements.
Suitable for galvanizing (Class 1 or Class 3)

Tolerances:

Precise and strict production tolerances complying with both **EN 10255** and **EN 10217-1** standards.

Testing methods:

Visual examination and dimensional inspection are carried out to meet both standards' requirements.

Online Non-Destructive Tests:

Tubes are inspected with the following procedures:

- Hydrostatic Test
- ET - Eddy Current – **EN ISO 10893-2**
- UT - Ultrasonic– **EN ISO 10893-11**

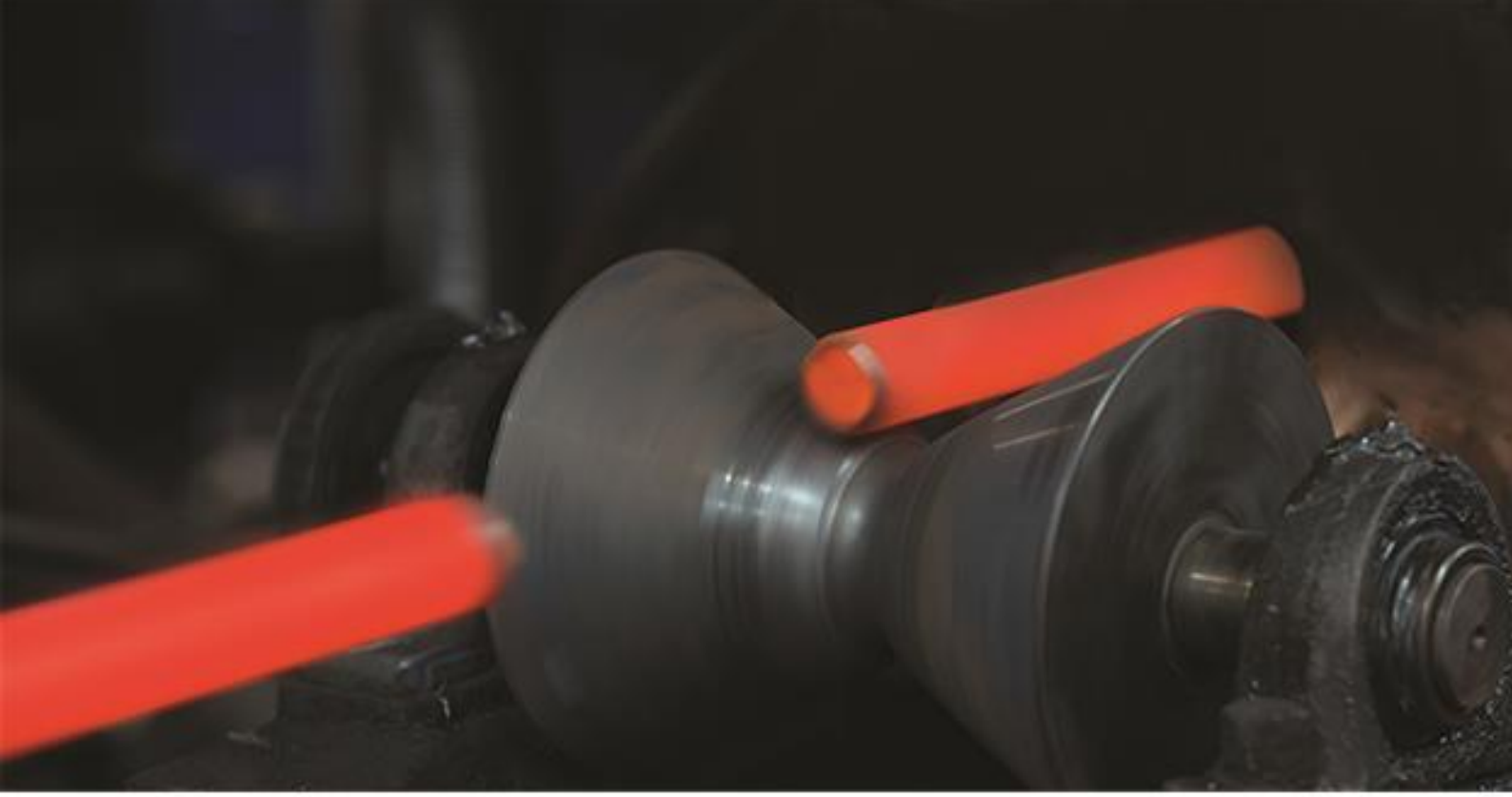
Destructive Tests:

- Flattening
- Bending
- Drift expansion

Laboratory Tests

Our in house laboratory carries out mechanical, chemical and other testing requirements, in addition to monitoring the in-line inspection results to ensure compliance with required standard.

- Chemical Analysis
- Mechanical Analysis



Heat Treatment:

Full body and Weld Seam heat treatment options. Normalizing at **900^0** degrees provides a uniform microstructure that leads to consistent yield and tensile properties and ensures the integrity of the weld. **HAZ (Heat Affected Zone) is fully normalised** to avoid stress and cracking.

End Finishes:

- **Plain Ends (Square cut or Bevelled according to customer requirements):** Always free from burrs with online clean end finishing.
- **Roll Grooved**
- **Screwed and Socketed (Threaded and Coupled)**

Coating Options:

- **Water Based Paint:** Available in **Red, Black** and **Grey** colours.

- **Powder Epoxy Coating:** Available in **Red** colour.

- **Hot Dip Galvanized:**

Acc. to **EN 10240** in A1, A2, B1, B2, options. Tubes are passivated after galvanization in order to prevent white rust.

Internal weld bead removal:

Available on demand for **33.7 mm** and larger dimensions.

Stenciling and Hard Die Stamping:
Acc. to standard's requirements and customized demands.

Half Randoms:
Available from **17,2 mm**
up to **165,1 mm**

MTC acc. to EN 10204 3.1 enables full traceability:

- CE Marking
- Regulation **(EU) No 305/2011**: Construction Products Regulation.
- Declaration of Performance

SUITABLE FOR:

- Bending
- Bending for galvanized tubes
- On site threading
- On site grooving
- Welding


ABUS

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