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# Seamless Boiler Tubes

## X20CrMoV11-1

We service your repair/emergency demands and new projects:

### Specification

- DIN 17175
- EN 10216-2

### Grade

- X20CrMoV12-1 1.4922
- X20CrMoV11-1 1.4922

### Size Range

OD: 38,0–114,3 mm

WT: 4,5– 20,0 mm

Length: 5,0– 13,0 m, more lengths on request  
with third party inspection acc. to EN 10204 3.2

### Steel Characteristics

- Ferritic martensitic steel with good properties for high temperature service
- Corrosion resistant at high temperatures
- Resistant to scaling up to 700°C
- Good workability and weldability
- Approved creep resistance in the range of 500°C - 630°C

### Use

- For superheaters, hot-steam tubing and heat exchangers
- For power plants according to Pressure Equipment Directive PED 97/23 EC



### Mechanical Properties

Rp0,2 min [MPa]	Rm [MPa]	A min [%]		CV min [J] at 20°C	
		long.	transv.	long.	transv.
490	690-840	17	14	40	27

### Chemical Composition [%]

C	Si	Mn	P max	S max	Cr	Mo	Ni	Al total	Cu	V
0,17- 0,23	0,15- 0,50	≤1,00	0,025	0,02	10,00- 12,50	0,80- 1,20	0,30- 0,80	≤0,040	≤0,30	0,25- 0,35

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