

Seamless and Welded Steel Pipe for Low-Temperature Service – ASTM A333

Application: construction of boilers, pipelines and equipments for low temperature service

Mechanical Properties

Grade	Yield Strength (Mpa)	Tensile Strength (Mpa)	Elongation (%)
Grade 1	≥ 205	≥ 380	35
Grade 6	≥ 240	≥ 415	30

Chemical Compositions (%)

Grade	C	Si	Mn	P	S	Cr	Mo	Cu	Ni	V
Grade 1	≤ 0.30	/	0.40-1.06	≤0.025	/	/	/	/	/	/
Grade 6	≤ 0.30	≥ 0.10	0.29-1.06	≤0.025	/	/	/	/	/	/

Strike Temperature Condition

Grade	The lowest temperature for strike test (°F)	The lowest temperature for strike test (°C)
Grade 1	- 50	- 45
Grade 6	- 50	- 45

Size:

- Outer Dimensions.: 19.05mm ~ 114.3mm
- Wall Thickness: 2 mm ~ 14 mm
- Length: max 16 meters

Protection:

- Black and bear
 - External varnished with black or clear lacquer
- Upon request, pipes ends are protected by plastic caps

Marking:

Pipes are supplied with marking according to standard and customer request. Marking is paint and/or die stenciled on the ends of pipes. The same data, as well as additional information per customer's request, is indicated on the bundle's tags.

Delivery:

Pipes are supplied in hexahedral bundles or round bundles tied with steel strip. Weight of bundle - up to 5000 kg upon request of customer. Each bundle is furnished with three tags.