E <u>sales@trupply.com</u> O 281.516.8100



A234 WPB

Description

ASTM A234 WPB is the Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service. Specifications

ASTM: A234 WPB

ASME: B16.9, B.11

NACE: MRO175

MSS: SP-83, SP-95

Chemical Composition%

Grade	с	Mn	Р	s	Si	Cr	Мо	Ni	Cu	Others
-	1	_	max	max	6	-	-	-	0	
WPB	0.3	0.29-1.06	0.05	0.058	0.1	0.4	0.15	0.4	0.4	V 0.08
(1,2,3,4,5)	max	-	-	-	min	max	max	max	max	max

- 1. Fittings made from bar or plate may have 0.35 max carbon.
- 2. Fittings made from forgings may have 0.35 max Carbon and 0.35 max Silicon with no min.
- 3. For each reduction of 0.01% below the specified Carbon maximum, an increase of 0.06% Manganese above the specified maximum will be permitted, up to a maximum of 1.35%.
- 4. The sum of Copper, Nickel, Niobium, and Molybdenum shall not exceed 1.00%.
- 5. The sum of Niobium and Molybdenum shall not exceed 0.32%.

Tensile Requirements

Tensile Strength: (KSI) = 60

Yield Strength: (KSI) = 35

(KSI converts to MPA {Megapascals} by multiplying by 6.895)

Typical Application

- Pressure Piping
- Pressure Vessel Fabrication