

A420 WPL6 Equal Tee Low Temperature CS ASME B16.9

ASTM A420 WPL6 Equal Tee is a low alloy carbon steel butt weld pipe fitting designed for low-temperature service piping systems. It is manufactured according to ASME B16.9 and widely used in oil & gas, LNG, petrochemical, power generation, and industrial piping systems.

Basic Information

Item	Details
Brand	C&N
Material	ASTM A420 WPL6 Carbon Steel
Type	Equal Tee
Connection	Butt Welded
Standard	ASME B16.9
Size Range	1/2" – 24"
Wall Thickness	SCH10, SCH20, SCH40, SCH60, SCH80, SCH160, XS, XXS
Surface	Black Painting, Sandblasting, Anti-rust Oil

ASME B16.9 Equal Tee Dimensions

NPS	DN	Center to End C (mm)	Outside Diameter D (mm)
1/2"	15	38	21.3
3/4"	20	38	26.7
1"	25	48	33.4
1-1/4"	32	57	42.2
1-1/2"	40	57	48.3
2"	50	64	60.3
2-1/2"	65	76	73.0
3"	80	86	88.9
4"	100	105	114.3
5"	125	124	141.3
6"	150	143	168.3
8"	200	178	219.1
10"	250	216	273.0
12"	300	254	323.9

Features / Characteristics

Excellent low-temperature impact toughness Manufactured according to ASME B16.9 standards Available in seamless and welded construction Suitable for cryogenic and pressure piping systems Excellent weldability and machinability Compatible with ASTM A333 Gr.6 pipes and ASTM A350 LF2 flanges

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Chemical Requirements

Element	Composition (%)
Carbon (C)	0.30 max
Manganese (Mn)	0.60–1.35
Phosphorus (P)	0.035 max
Sulfur (S)	0.040 max
Silicon (Si)	0.15–0.40

Mechanical Performance Requirements

Property	Requirement
Tensile Strength	415 MPa min
Yield Strength	240 MPa min
Elongation	22% min
Impact Test	Charpy V-Notch at -46°C
Heat Treatment	Normalized or Quenched & Tempered

Production Process

Raw Material Inspection → Cutting → Heating → Hot Forming → Shaping → Heat Treatment → Shot Blasting → Dimension Inspection → NDT Testing → Surface Coating → Marking → Packaging

Reference Standards

ASTM A420 / A420M ASME B16.9 ASME B16.25 MSS SP-75 ASTM A333 Grade 6 ASTM A350 LF2 Class 1

FAQ

Q1: What is A420 WPL6 Equal Tee used for?

It is mainly used in low-temperature and cryogenic piping systems for branch connections.

Q2: What standards are followed?

The fittings are manufactured according to ASTM A420 and ASME B16.9 standards.

Q3: What wall thicknesses are available?

SCH10, SCH20, SCH40, SCH60, SCH80, SCH160, XS, and XXS are available.

Q4: Is third-party inspection available?

Yes, SGS, BV, TUV, and other third-party inspections are supported.

Q5: What packaging is used for export?

Products are packed in export plywood cases or wooden pallets with protective caps.

Applications

Oil & Gas Pipelines LNG & Cryogenic Systems Petrochemical Plants Power Generation Industrial Fluid Transportation

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