

ASTM A234 Wp22 pipe fittings specification

We are a SA234 Wp22 elbow, Tee, reducer, caps, ASME B16.9 A234 Wp22 Pipe Fitting manufacturer in China, China ASTM A234 WP22 elbow suppliers ASTM/ASME A234/SA234 Wp22 Chrome Moly Pipe Fitting.

ASTM A234 WP22(ASME SA234 WP22) also known as $2\frac{1}{4}$ chrome ,which is Chrome Moly Pipe Fittings grade for high temperature services

ASTM A234 WP22 pipe fittings is ideal for use in long-term high-temperature projects like power plants, refineries, petrochemical plants and oilfield services.

A234 WP22 Pipe fittings is made of ASTM [A335 Gr P22](#) Seamless pipes,match with [A182 F22 Flanges](#),and A182 F22 forged pipe fittings in the pipeline connection.

- Manufacturing standard: **ASME B16.9** (Butt-weld fittings)
- Wall thickness as per **ASME B36.10M**
- Compatible piping: **ASTM A335 P22, ASTM A213 T22, SA-387 Gr. 22 plates**

ASTM A234 WP22 PIPE FITTINGS SPECIFICATION

Specifications : ANSI/ASME B16.9, B16.28, MSS-SP-43.

Standard : ASTM A234 / ASME SA234

Size : ½"NB to 48"NB in Sch 10s, 40s, 80s, 160s, XXS.

Schedules :Sch.40 to Sch.XXs

Type : Seamless / Welded

Size 1/2" NB TO 48" NB

Type Seamless / Welded / Fabricated

Bending Radius R=1D, 2D, 3D, 5D, 6D, 8D, 10D or Custom

Bending angle 15° , 30° , 45° , 60° , 90° , 135° , 180° .

A234-WP22 Elbow, Alloy Steel Pipe fittings for Moderate and High

Temperature Service

ASTM A234 WP22 PIPE FITTINGS CHEMICAL COMPOSITION

Grade	C	Mn	P	S	Si	Cr	Mo
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A234	0.05–	0.3–				2–	0.87–
WP22	0.15	0.6	≤0.04	≤0.04	≤0.5	2.5	1.13

ASTM A234 WP22 PIPE FITTINGS MECHANICAL PROPERTIES

Element	Tensile Strength	Yield Strength (0.2%Offset)	Elongation
A234 WP22	415–585	≥205	≥20

ASTM A234 WP22 HEAT TREATMENT

ASTM A234 WP22 (ASME SA234 WP22) fittings after shaping from an elevated temperature, shall be cooled down to a temperature below critical range under suitable conditions which preventing injurious defects caused by too rapid cooling, but in no case more rapidly than the cooling rate in still air. Referring standard in Section 7 of ASTM A960/A960M.

Fittings of grades A234 **WP22 Class 1**, **WP22 Class 2** shall be furnished with

- **Normalizing + Tempering**, or

- **Annealing, or**
- **Quenching + Tempering**

ASTM A234 WP22 Hardness requirement

Fittings of A234 WP22. grades—197 HBW maximum.

Material:

Alloy Steel Pipe fittings:

ASTM A234 WP22 Elbow,ASME B16.9

ASTM A234 WP22 Tee pipe fitting,

ASTM A234 WP22 reducer

ASTM A234 WP22 Bend

ASTM A234 WP22 Elbow LR,SR

ASTM A234 WP22 180deg Elbow,ASTM A234 WP22 Return bend

Marking:Standard/ As per request

Packing: Wooden case(Fumigation free) Or as per request

Inspection: In house and third party

Document: MTC EN10204 3.1 can be provided prior to shipment

ASTM A234 WP22 Elbows Testing & Certification:

- **Visual and Dimensional Inspection**
- **Chemical Analysis (per ASTM A234)**
- **Mechanical Testing (Tensile, Yield, Elongation)**
- **Hardness Testing (typically ≤ 197 HB) comply with NACE MR 0175 requirement**
- **NDT (UT, RT, PT) if specified**
- **PMI,100%**
- **Certified to EN 10204 3.1 / 3.2**



ASTM-A234-WP22-Elbow-Tee-Reducer-ASME-B16.9-Pipe-fittings

How to order our ASTM A234 WP22 ELBOWS?

ELB,90°,LR,SMLS,34",BW,WP22,XS,

DESCRIPTION : ELBOW

TYPE : 90° SEAMLESS OR SINGLE SEAM WELD

SIZE : 34"

LENGTH : 90° LONG RADIOUS

SCHEDULE : XS

CONNECTION : BEVEL END

MTL FINISH : STANDARD

MATERIAL TYPE: P22

ASME STD : ASME B16-9, A234 GR. WP22 CL.1

REQUIRED : MATERIAL TEST CERTIFIACTE TRACEABLE HEAT

NUMBER ON MATERIAL