



Quality and Certification Overview

Shaanxi Jiade Group Co Ltd — approvals, inspection bodies and the quality control sequence.

The quality assurance system covers the China special equipment manufacturing licence at TS grades A1, A2 and B, AD 2000 W0 German TUV certification, PED 2014/68/EU European pressure equipment certification and China Classification Society CCS certification, together with quality, environment and occupational health system certification. Material is approved by third party inspection agencies including DNV, BV, SGS, TUV, ABS, LR, GL, RINA, KR, NKK, AIB-VINCOTTE, CEIL, VELOSO and CCSI.

Works Approvals

- China special equipment manufacturing licence TS grades A1 A2 and B
- AD 2000 W0 German TUV certification
- PED 2014/68/EU European pressure equipment certification
- China Classification Society CCS certification
- Quality environment and occupational health system certification

Third Party Inspection Bodies

DNV, BV, SGS, TUV, ABS, LR, GL, PED, RINA, KR, NKK, AIB-VINCOTTE, CEIL, VELOSO, CCSI

Quality Control Sequence

Chemistry	Composition verified against the ordered specification before the heat is released.
Mechanical Test	Tensile and yield strength confirmed by test, with results recorded against the heat.
Pipe End Check	Camera and image processing identify collapsed pipe ends so the defective length is cropped before measurement.
Wall Thickness	Laser thickness gauge passed into the bore to detect wall thickness defects along the length.
Non Destructive Testing	Magnetic flux and ultrasonic inspection on the seamless route before marking and coating.
Dimensional Check	Outside diameter, wall, length, bolt circle and centre to face measured against the ordered standard.
Surface Inspection	Finish checked against the ordered condition from mill pickled through to No.8 mirror.
Documentation	Mill test certificate issued, with EN 10204 3.1 and third party inspection reports where ordered.

Production Equipment

- Seamless mill running the Mannesmann plug mill route from piercing to sizing
- Welded tube lines for round, square and rectangular section
- Hot and cold rolling for sheet and plate from 0.3 mm to 350 mm
- Bar rolling, drawing, peeling and bright annealing lines
- Forging and machining for flanges, rings and heavy blanks
- Pickling, passivation and polishing to 180, 240 and 320 grit plus No.8 mirror

Product Level Certification

Butt weld elbows	ISO 9001:2000, API, SGS
Butt weld tees	ISO 9001:2015, API Q1, EN 10204 3.1 certificate
904L bar	ISO 9001, third party inspection by SGS or BV

316L bar	MTC, CE, ISO, PED
Nickel 200 and 201 pipe	PED approved supply