



For casing and tubing, quality control is not only a factory step; it is the proof that each pipe joint can match the ordered grade, size, connection, drift, pressure requirement and service condition.

Inspection records make every joint traceable from pipe marking to heat number, MTC, dimensional check, NDT, hydrotest, drift test and packing list. Without this document chain, buyers may face receiving disputes, missing MTC review, failed drift inspection or delayed shipment release.

QA / Inspection Item	What It Checks	Proof in Document Package
Dimensional Inspection	OD, wall thickness, length, straightness, coupling dimensions	Dimensional report by batch or lot
Drift Test	Minimum internal clearance for tools and completion equipment	Drift record with API drift or special drift basis
Thread Inspection	Thread profile, taper, lead, stand-off, visual thread condition	Thread gauging / visual inspection report when specified
Hydrostatic Test	Leak-tightness and pressure integrity	Hydrotest record with pressure, hold time and result when required
NDT	Pipe-body defects, laminations, cracks or weld-related flaws where applicable	UT / EMI / MPI / other NDT reports per PO / ITP
Hardness Test	Sour-service or high-strength grade hardness control	Hardness record when required by grade or ITP
Mechanical Test	Yield strength, tensile strength, elongation and impact where required	MTC / mechanical test report
Traceability	Heat number, lot number, pipe marking and packing map	MTC + packing list + marking photos



Complete document chain:

pipe marking → heat number → MTC → mechanical test → NDT / hydrotest / drift test → packing list → shipment documents

Buyer value: This helps confirm that delivered casing and tubing match the approved PO, ITP and site receiving requirements.