

ASME SA 789 / ASME SA 789M Duplex Stainless Steel Seamless Pipes

ASME SA 789 / SA 789M covers seamless and welded ferritic/austenitic stainless steel tubing for general corrosive service, with particular emphasis on resistance to stress corrosion cracking and chloride-containing environments.

For seamless tube supply, common duplex and super duplex grades include UNS S31803, S32205, S32750, and S32760. These tubes are widely used in heat exchangers, offshore platforms, seawater systems, desalination plants, chemical processing, and marine applications.

Specification of ASME SA 789 Duplex Stainless Steel Seamless Pipes:

Item	Specification
Standard	ASME SA 789 / ASME SA 789M
Product Name	Duplex Stainless Steel Seamless Tubes
Product Type	Seamless and welded ferritic/austenitic stainless steel tubing
Material Type	Duplex stainless steel / Super duplex stainless steel
Common Grades	UNS S31803, UNS S32205, UNS S32750, UNS S32760
Manufacturing Process	Cold drawn / Cold rolled
Outside Diameter	6.0 mm – 127.0 mm
Wall Thickness	0.5 mm – 12.0 mm
Length	Up to 18 meters or as required

Item	Specification
Form	Straight tubes
Delivery Condition	Solution annealed
Surface Finish	Annealed and pickled, bright annealed
Ends	Plain ends
Testing	Chemical analysis, tensile test, hardness test, flattening test, flaring test, hydrostatic or nondestructive electric test, ferrite test
Inspection Documents	MTC, EN 10204 3.1 / 3.2 upon request
Application	Heat exchangers, condensers, offshore systems, seawater service, desalination plants

Grades of ASME SA 789 Duplex Stainless Steel Seamless Pipes:

UNS S31803

UNS S32205

UNS S32750

UNS S32760

Why Choose ASME SA 789 Duplex Stainless Steel Seamless Pipes?

- High strength compared with austenitic stainless steels
- Excellent resistance to chloride stress corrosion cracking
- Good resistance to pitting and crevice corrosion
- Suitable for seawater, offshore, and chemical service
- Seamless tubing for reliable performance under pressure
- Available with full inspection and traceability

Inspection & Tests of ASME SA 789 Duplex Stainless Steel Seamless Pipes:

Chemical analysis
Mechanical property testing
Hydrostatic or NDT testing
PMI testing
Ferrite content testing
Corrosion-related inspection upon request
EN 10204 3.1 / 3.2 certificate available

Application of ASME SA 789 Duplex Stainless Steel Seamless Pipes:

Heat exchanger tubing
Condenser tubing
Offshore and marine systems
Seawater cooling lines
Desalination plants
Chemical process equipment

Package of ASME SA213 / ASME SA213M Stainless Steel Seamless Pipes:

These stainless steel seamless pipes and tubes are typically packed in seaworthy export packaging to ensure safe transportation and long-distance delivery.

Depending on the product size and customer requirements, the pipes or tubes are bundled with protective straps, packed in wooden cases, plywood cases, or hexagonal bundles, with both ends protected by plastic caps where applicable.

Each package is clearly labeled with grade, size, standard, heat number, and shipment details for full traceability.

Waterproof wrapping, woven bags, and anti-rust protection can also be provided to ensure the materials arrive in good condition during ocean shipment and storage.