317L
UNS S31703

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DESCRIPTION

317L is a molybdenum bearing, low carbon content "L" grade austenitic stainless steel that provides improved corrosion resistance over 304L and 316L stainless steels. The low carbon provides resistance to sensitization during welding and other thermal processes. 317L has excellent corrosion resistance in a wide range of chemicals, especially in acidic chloride environments.

LIMITING CHEMICAL COMPOSITION (%)

C	CR	MN	MO	NI	P	S	SI
MAX 0.035	18.0-20.0	MAX 2.0	3.0-4.0	11.0-15.0	MAX 0.04	MAX 0.03	MAX 0.75

TYPICAL APPLICATIONS

- Flue gas desulfurization scrubber systems
- Chemical and petro-chemical processing
- Pulp and paper plants
- Food processing equipment
- Textile equipment

TENSILE REQUIREMENTS

TENSILE STRENGTH (KSI)	YIELD STRENGTH (KSI)
75	30

PRODUCT CAPABILITIES

J&J Alloys produces a wide selection of fittings, flanges, and custom components tailored to customer specifications and technical drawings. For custom inquiries or additional details, please contact your J&J Alloys sales representative.

PRODUCT	SIZE (NPS)	PRODUCT	SIZE (NPS)	PRODUCT	SIZE (NPS)
SW/THRD Couplings	1/8" - 8"	SW/THRD 90s	1/2" - 4"	BW Tees	1/2" - 10"
SW/THRD Half Couplings	1/8" - 8"	SW/THRD 90s (Block Pattern)	1/2" - 4"	BW LR/SR 90s (Block Pattern)	1/2" - 4"
THRD Plugs (Hex/Round/Square)	1/8" - 6"	SW/THRD Tees	1/2" - 4"	BW Cross (Block Pattern)	1/2" - 12"
THRD Hex Bushings	1/8" - 6"	SW/THRD Cross (Block Pattern)	1/2" - 4"	Pipe Nipples	1/4" - 8"
SW/THRD Inserts	1/8" - 4"	SW/THRD Caps	1/2" - 6"	Studding Outlets (Flat Bottom)	1/2" - 24"
BW/SW/THRD Unions	1/8" - 4"	BW Caps (Dome Shaped)	1/2" - 24"	ASME B16.5 (dims) Flanges	1/2" - 24"
Olets (TOL, SOL, WOL, EOL, LOL)	1/8" - 24"	MSS (Short) Stub Ends	1/2" - 60"	ASME B16.47 Flanges Series A&B	26" - 60"
Conc/Ecc Swages	1/2" - 8"	ASA (Long) Stub Ends	1/2" - 60"	Taper Bore BW 45s	1/2" - 30"
SW/THRD 45s	1/2" - 4"	BW Concentric Reducers	3/4" - 30"	Taper Bore BW 90s	1/2" - 30"
SW/THRD 45s (Block Pattern)	1/2" - 4"	BW Eccentric Reducers	3/4" - 24"	Taper Bore BW Tees	1/2" - 30"

NOTE: The information on this sheet have been compiled from a variety of sources, and should be considered as a general guide only. The information and data included are accurate to the best of our knowledge, and may be revised at any time without notice. J&J Alloys assumes no responsibility for the accuracy of this information.

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