

AL-6XN® TUBING & FITTINGS SPECIFICATIONS

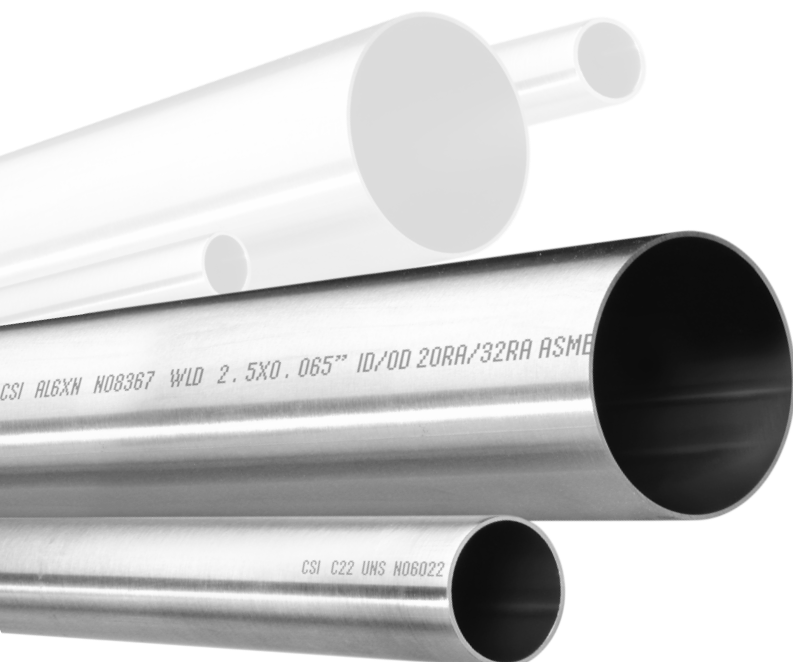
AL-6XN® TUBING SPECIFICATIONS

- Welded tubing in compliance with ASTM A270/A249/B676 and ASME SA249/SB676
- Tubing provided in random lengths, 20 ft. ± 1.0 in. is typical (not less than 17 ft. lengths)
- Full line stencil identification on tubing OD
- Plastic sleeved and capped on polished and electropolished tubing
- MTR according with EN 10204 3.1 with every order

For more specifications, visit csidesigns.com/products/superalloys

AL-6XN TUBING DIMENSIONS AND TOLERANCE

TUBING OD NOMINAL SIZE		OUTSIDE DIAMETER TOLERANCE		WALL THICKNESS NOMINAL SIZE		WALL THICKNESS TOLERANCE
IN	MM	IN	MM	IN	MM	
1/2	12.7	+/-0.005	+/-0.13	0.065	1.65	+/-10%
3/4	19.05	+/-0.005	+/-0.13	0.065	1.65	+/-10%
1	25.4	+/-0.005	+/-0.13	0.065	1.65	+/-10%
1-1/2	38.1	+/-0.008	+/-0.20	0.065	1.65	+/-10%
2	50.8	+/-0.008	+/-0.20	0.065	1.65	+/-10%
2-1/2	63.5	+/-0.010	+/-0.25	0.065	1.65	+/-10%
3	76.2	+/-0.010	+/-0.25	0.065	1.65	+/-10%
4	101.6	+/-0.015	+/-0.38	0.083	2.11	+/-10%



AL-6XN® TUBING & FITTINGS SPECIFICATIONS

AL-6XN FITTINGS SPECIFICATIONS

- Fittings comply with ASME BPE table DT-3-1

AL-6XN FITTINGS DIMENSIONS AND TOLERANCE

NOMINAL SIZE (IN)	OD (IN)	WALL THICKNESS (IN)	SQUARENESS FACE TO TANGENT, B	OFF ANGLE, O	EQUIVALENT ANGLE DEGREE	OFF PLANE, P	CENTERLINE RADIUS (CLR), R
1/2	±0.005	+0.005/-0.008	0.005	0.014	1.6	0.030	1.125
3/4	±0.005	+0.005/-0.008	0.005	0.018	1.4	0.030	1.125
1	±0.005	+0.005/-0.008	0.008	0.025	1.4	0.030	1.500
1-1/2	±0.008	+0.005/-0.008	0.008	0.034	1.3	0.050	2.250
2	±0.008	+0.005/-0.008	0.008	0.043	1.2	0.050	3.000
2-1/2	±0.010	+0.005/-0.008	0.010	0.054	1.2	0.050	3.750
3	±0.010	+0.005/-0.008	0.016	0.068	1.3	0.050	4.500
4	±0.015	+0.008/-0.010	0.016	0.086	1.3	0.060	6.000

GENERAL NOTES:
Tolerance on end-to-end and center-to-dimension E is ±0.050 in. (1.27 mm) for all fittings and process components depicted.
See ASME BPE table DT-3-2 for electropolished wall thickness tolerances.

