

NOMINAL OD	OUTSIDE DIAMETER	WALL THICKNESS	WALL THICKNESS AFTER EP	CONTROL PORTION TANGENT	SQUARENESS FACE TO TANGENT	OFF ANGLE	OFF PLANE	END to END CTR to END
.250	+/--.005	+003/--.004	+003/--.006	.750	.005	.009	.030	+/--.050
.375	+/--.005	+003/--.004	+003/--.006	.750	.005	.012	.030	+/--.050
.500	+/--.005	+005/--.008	+005/--.010	.750	.005	.014	.030	+/--.050
.750	+/--.005	+005/--.008	+005/--.010	.750	.005	.018	.030	+/--.050
1.000	+/--.005	+005/--.008	+005/--.010	.750	.008	.025	.030	+/--.050
1.250	+/--.008	+005/--.008	+005/--.010	.750	.008	.030	.030	+/--.050
1.500	+/--.008	+005/--.008	+005/--.010	.750	.008	.034	.050	+/--.050
2.000	+/--.008	+005/--.008	+005/--.010	.750	.008	.043	.050	+/--.050
2.500	+/--.010	+005/--.008	+005/--.010	.750	.010	.054	.050	+/--.050
3.000	+/--.010	+005/--.008	+005/--.010	.750	.016	.068	.050	+/--.050
4.000	+/--.015	+008/--.010	+008/--.012	.750	.016	.086	.060	+/--.050
6.000	+/--.030	+/--.015	+015/--.017	.750	.030	.135	.060	+/--.050

- A. For fittings depicted here, tolerance on **End-to-End** and **Center-to-End** dimensions is +/- .050
Tolerances for any fittings not depicted here, please contact us
- B. Tolerances for **Control Portion Tangent** are as depicted in the chart above with the exception of ATW Caps, Short Weld Ferrules, and ATW Short Reducers.

Additional Fittings Specifications

Nominal Size	Tube OD	Wall Thickness	Tangent	Centerline Radius +/-10%
1/4"	0.250	0.035	1.500	0.563
3/8"	0.375	0.035	1.500	1.125
1/2"	0.500	0.065	1.500	1.125
3/4"	0.750	0.065	1.500	1.125
1"	1.000	0.065	1.500	1.500
1-1/2"	1.500	0.065	1.500	2.250
2"	2.000	0.065	1.500	3.000
2-1/2"	2.500	0.065	1.500	3.750
3"	3.000	0.065	1.750	4.500
4"	4.000	0.083	2.000	6.000
6"	6.000	0.109	2.500	9.000

Surface Finishes

BPE Surface Designation	Finish Code	ID Surface Ra	OD Surface Ra
SF0	PX	Mill	Mill
SF1	PL	20 Ra	32 Ra
SF1	PC	20 Ra	Mill
SF2	P25	25 Ra	32 Ra
SF3	PT	32 Ra	32 Ra
SF4	PM	15 Ra EP	32 Ra
SF4	PD	15 Ra EP	Mill
SF5	PM20	20 Ra EP	32 Ra
SF6	PM25	25 Ra EP	32 Ra
***	PR	10 Ra EP	32 Ra

The standard OD finish is 32 Ra.
Other finish combinations available on request.