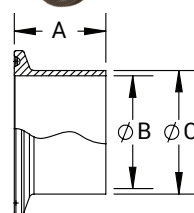


High Purity BioPharm Fittings

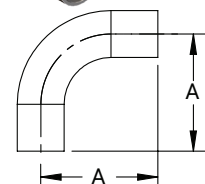
Automatic Weld Ferrules - TL14AM7

Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	PL Finish - SF1	PM Finish - SF4
1/2"	1.750	0.375	0.500	0.065	TL14AM7-050PL	TL14AM7-050PM
3/4"	1.750	0.625	0.750	0.065	TL14AM7-075PL	TL14AM7-075PM
1"	1.750	0.875	1.000	0.065	TL14AM7-100PL	TL14AM7-100PM
1-1/2"	1.750	1.375	1.500	0.065	TL14AM7-150PL	TL14AM7-150PM
2"	2.250	1.875	2.000	0.065	TL14AM7-200PL	TL14AM7-200PM
2-1/2"	2.250	2.375	2.500	0.065	TL14AM7-250PL	TL14AM7-250PM
3"	2.250	2.875	3.000	0.065	TL14AM7-300PL	TL14AM7-300PM
4"	2.250	3.834	4.000	0.083	TL14AM7-400PL	TL14AM7-400PM
6"	3.000	5.782	6.000	0.109	TL14AM7-600PL	TL14AM7-600PM

BPE Table DT-4.1.4-1
ASME BPE 2019

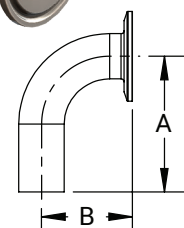
90° Weld Elbows - T2S

Tube O.D.	A (in)	Nominal Wall (in)	PL Finish - SF1	PM Finish - SF4
1/2"	3.000	0.065	T2S-050PL	T2S-050PM
3/4"	3.000	0.065	T2S-075PL	T2S-075PM
1"	3.000	0.065	T2S-100PL	T2S-100PM
1-1/2"	3.750	0.065	T2S-150PL	T2S-150PM
2"	4.750	0.065	T2S-200PL	T2S-200PM
2-1/2"	5.500	0.065	T2S-250PL	T2S-250PM
3"	6.250	0.065	T2S-300PL	T2S-300PM
4"	8.000	0.083	T2S-400PL	T2S-400PM
6"	11.500	0.109	T2S-600PL	T2S-600PM

BPE Table DT-4.1.1-1
ASME BPE 2019

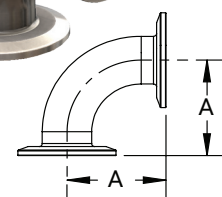
90° Clamp x Weld Elbows - T2CM

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	PL Finish - SF1	PM Finish - SF4
1/2"	3.000	1.625	0.065	T2CM-050PL	T2CM-050PM
3/4"	3.000	1.625	0.065	T2CM-075PL	T2CM-075PM
1"	3.000	2.000	0.065	T2CM-100PL	T2CM-100PM
1-1/2"	3.750	2.750	0.065	T2CM-150PL	T2CM-150PM
2"	4.750	3.500	0.065	T2CM-200PL	T2CM-200PM
2-1/2"	5.500	4.250	0.065	T2CM-250PL	T2CM-250PM
3"	6.250	5.000	0.065	T2CM-300PL	T2CM-300PM
4"	8.000	6.625	0.083	T2CM-400PL	T2CM-400PM
6"	11.500	10.500	0.109	T2CM-600PL	T2CM-600PM

BPE Table DT-4.1.1-2
ASME BPE 2019

90° Clamp x Clamp Elbows - T2CMP

Tube O.D.	A (in)	PL Finish - SF1	PM Finish - SF4
1/2"	1.625	T2CMP-050PL	T2CMP-050PM
3/4"	1.625	T2CMP-075PL	T2CMP-075PM
1"	2.000	T2CMP-100PL	T2CMP-100PM
1-1/2"	2.750	T2CMP-150PL	T2CMP-150PM
2"	3.500	T2CMP-200PL	T2CMP-200PM
2-1/2"	4.250	T2CMP-250PL	T2CMP-250PM
3"	5.000	T2CMP-300PL	T2CMP-300PM
4"	6.625	T2CMP-400PL	T2CMP-400PM
6"	10.500	T2CMP-600PL	T2CMP-600PM

BPE Table DT-4.1.1-3
ASME BPE 2019

NOTE: BPE 2019 Specifications

PL Finish - SF1

O.D. = 32Ra Mechanically Polished

I.D. = 20Ra Mechanically Polished

PM Finish - SF4

O.D. = 32Ra Mechanically Polished

I.D. = 15Ra Mechanically Polished and Electropolished