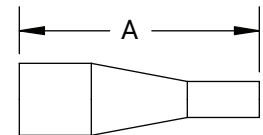


**High Purity BioPharm Fittings**  
**Weld x Weld Concentric Reducers - T31W**

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Tube O.D.	A (in)	PL Finish - SF1	PM Finish - SF4
3/4" x 1/2"	4.00	T31W-075050PL	T31W-075050PM
1" x 1/2"	4.50	T31W-100050PL	T31W-100050PM
1" x 3/4"	4.00	T31W-100075PL	T31W-100075PM
1-1/2" x 1/2"	5.50	T31W-150050PL	T31W-150050PM
1-1/2" x 3/4"	5.00	T31W-150075PL	T31W-150075PM
1-1/2" x 1"	5.00	T31W-150100PL	T31W-150100PM
2" x 1/2"	7.75	T31W-200050PL	T31W-200050PM
2" x 3/4"	7.25	T31W-200075PL	T31W-200075PM
2" x 1"	7.25	T31W-200100PL	T31W-200100PM
2" x 1-1/2"	5.25	T31W-200150PL	T31W-200150PM
2-1/2" x 1/2"	9.75	T31W-250050PL	T31W-250050PM
2-1/2" x 3/4"	9.25	T31W-250075PL	T31W-250075PM
2-1/2" x 1"	9.25	T31W-250100PL	T31W-250100PM
2-1/2" x 1-1/2"	7.25	T31W-250150PL	T31W-250150PM
2-1/2" x 2"	5.50	T31W-250200PL	T31W-250200PM
3" x 1"	11.25	T31W-300100PL	T31W-300100PM
3" x 1-1/2"	9.25	T31W-300150PL	T31W-300150PM
3" x 2"	7.50	T31W-300200PL	T31W-300200PM
3" x 2-1/2"	5.50	T31W-300250PL	T31W-300250PM
4" x 1"	15.50	T31W-400100PL	T31W-400100PM
4" x 1-1/2"	13.50	T31W-400150PL	T31W-400150PM
4" x 2"	11.75	T31W-400200PL	T31W-400200PM
4" x 2-1/2"	9.75	T31W-400250PL	T31W-400250PM
4" x 3"	7.75	T31W-400300PL	T31W-400300PM
6" x 3"	10.00	T31W-600300PL	T31W-600300PM
6" x 4"	10.00	T31W-600400PL	T31W-600400PM

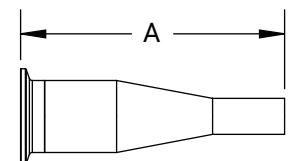


BPE Table DT-4.1.3-1(a)

**Clamp x Weld Concentric Reducers - T31M**

Tube O.D.	A (in)	PL Finish - SF1	PM Finish - SF4
3/4" x 1/2"	3.00	T31M-075050PL	T31M-075050PM
1" x 1/2"	3.50	T31M-100050PL	T31M-100050PM
1" x 3/4"	3.00	T31M-100075PL	T31M-100075PM
1-1/2" x 1/2"	4.50	T31M-150050PL	T31M-150050PM
1-1/2" x 3/4"	4.00	T31M-150075PL	T31M-150075PM
1-1/2" x 1"	4.00	T31M-150100PL	T31M-150100PM
2" x 1/2"	6.50	T31M-200050PL	T31M-200050PM
2" x 3/4"	6.00	T31M-200075PL	T31M-200075PM
2" x 1"	6.00	T31M-200100PL	T31M-200100PM
2" x 1-1/2"	4.00	T31M-200150PL	T31M-200150PM
2-1/2" x 1/2"	8.50	T31M-250050PL	T31M-250050PM
2-1/2" x 3/4"	8.00	T31M-250075PL	T31M-250075PM
2-1/2" x 1"	8.00	T31M-250100PL	T31M-250100PM
2-1/2" x 1-1/2"	6.00	T31M-250150PL	T31M-250150PM
2-1/2" x 2"	4.25	T31M-250200PL	T31M-250200PM
3" x 1"	10.00	T31M-300100PL	T31M-300100PM
3" x 1-1/2"	8.00	T31M-300150PL	T31M-300150PM
3" x 2"	6.25	T31M-300200PL	T31M-300200PM
3" x 2-1/2"	4.25	T31M-300250PL	T31M-300250PM
4" x 1"	14.13	T31M-400100PL	T31M-400100PM
4" x 1-1/2"	12.13	T31M-400150PL	T31M-400150PM
4" x 2"	10.38	T31M-400200PL	T31M-400200PM
4" x 2-1/2"	8.38	T31M-400250PL	T31M-400250PM
4" x 3"	6.38	T31M-400300PL	T31M-400300PM
6" x 3"	9.00	T31M-600300PL	T31M-600300PM
6" x 4"	9.00	T31M-600400PL	T31M-600400PM

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BPE Table DT-4.1.3-2(a)

NOTE: BPE 2016 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