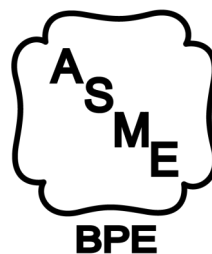




ASME BPE-2024 Tubes & Fittings

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**Customer Service
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PHARMA AND LIFE SCIENCE DIVISION

Supplying high purity components to the pharmaceutical industry demands excellent knowledge of the processes and documentation pertaining to GMP regulations and product quality. Together with our premium suppliers, we are focused on designers, contractors and end-users.

Our skilled team of engineers works closely with our supplier's engineers to fulfill customer's technical requests. Traceability, certification, documentation, and validation are ensured.

Trust "The Right Connection", Trust Dixon.

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Dixon Life Science Product Range

- NovAseptic Magnetic Mixers: GMP, USM, High Shear
- EXERGY Ultra Compact High Purity Heat Exchanger & POU
- Tank Outlet Valves
- Diaphragm, Ball, Butterfly, Others Process Valves
- Sanitary Safety Valves and Rapture Discs
- Sensors & Instrumentation for Food & Biopharma
- Process Control Valves
- Pressure Reducing Valves (PRV)
- Back Pressure Regulating Valves (BPRV)
- Clean Steam Traps, and Accessories
- Sampling Valves & Novaseptum GO
- Advanced Tank Cleaning Devices
- Bio-Pharmaceutical Fittings: ASME-BPE, DIN, ISO, DIN11864
- Hygienic Pipe Support/Holder
- Process Hoses & Tubing
- Sanitary Diaphragm and CIP Pumps
- Single-Use Bioprocess components ISO 14644 Class VII

ASME BPE INTRODUCTION

The American Society of Mechanical Engineers: Bioprocessing Equipment (ASME BPE) Standard was developed to aid in the design and construction of new fluid processing equipment used in the manufacture of pharmaceuticals and biopharmaceuticals, where a defined level of purity and bioburden control is required.

At the June 1989 Bioprocessing Equipment Standards Committee was formed and the first edition of this Standard was approved as an American National Standard on May 20, 1997.

WHAT DO THE REQUIREMENTS OF ASME BPE CONCERN ?

The ASME BPE Standard provides requirements for components, equipment, and systems when there is contact with the product, raw materials, or product intermediates during clinical or commercial manufacturing of molecules intended for human or animal medicinal applications.

It also applies to supporting systems that could directly or indirectly affect the clinical or commercial process [e.g., water-for-injection (WFI), clean steam, filtration, and intermediate product storage].

WHICH PRODUCTS MANUFACTURING IS THE ASME BPE INTENDED FOR ?

The Standard is intended for clinical and commercial manufacturing of pharmaceutical and biopharmaceutical products used for human and animal medicinal applications.

However, some of the principles, practices, and guidance may be used for research and development, scale-up operations, or other products where the control and reduction of microbial, particulate, and endotoxin or pyrogen contamination is considered important.

WHICH COMPONENTS, EQUIPMENT AND SYSTEMS ARE UNDER THE ASME BPE ?

This Standard provides requirements for components, equipment, and systems designed for multiuse processes that are subject to cleaning [e.g., clean-in-place (CIP), clean-out-of-place (COP)], sanitization and/or sterilization [e.g., steam-in-place (SIP)], and other operations used in the manufacturing of pharmaceuticals and biopharmaceuticals.

This Standard also provides requirements for single-use systems and components that are discarded after use in one manufacturing campaign.

This Standard may be used, in whole or in part, for other applications in which bioburden risk is a concern.

This Standard applies to:

- a. new system (and component) design and fabrication
- b. definition of system boundaries
- c. specific metallic, polymeric, and elastomeric (e.g., seals and gaskets) materials of construction
- d. component dimensions and tolerances
- e. surface finishes
- f. materials joining
- g. examinations, inspections, and testing
- h. certification

ASME BPE-2024 Table MM-2.1-1 Wrought Stainless Steels: Nominal Compositions (wt. %)

UNS Number ¹		UNS	EN	% C	% Mn	% Cr	% Ni	% Mo	PRE
Austenitic Stainless Steel									
S30400	...	...	0.07	2.00	0.10	18.0–20.0	8.0–11.0	...	...
...	1.4301	...	0.07	2.00	0.10	17.5–19.5	8.0–10.5	...	...
...	...	SUS304	0.08	2.00	...	18.0–20.0	8.0–10.5	...	...
S30403	...	...	0.030	2.00	0.10	18.0–20.0	8.0–12.0	...	...
...	1.4307	...	0.030	2.00	0.10	17.5–19.5	8.0–10.5	...	...
...	1.4306	...	0.030	2.00	0.10	18.0–20.0	10.0–13.0	...	...
...	...	SUS304L	0.030	2.00	...	18.0–20.0	9.0–13.0	...	...
S31600	...	...	0.08	2.00	0.10	16.0–18.0	10.0–14.0	2.00–3.00	...
...	1.4401	...	0.07	2.00	0.10	16.5–18.5	10.0–13.0	2.00–2.50	...
...	...	SUS316	0.08	2.00	...	16.0–18.0	10.0–14.0	2.00–3.00	...
S31603	...	...	0.030	2.00	0.10	16.0–18.0	10.0–14.0	2.00–3.00	...
...	1.4404	...	0.030	2.00	0.10	16.5–18.5	10.0–14.5	2.00–2.50	...
...	1.4435	...	0.030	2.00	0.10	17.0–19.0	12.5–15.0	2.50–3.00	...
...	...	SUS316L	0.030	2.00	...	16.0–18.0	12.0–15.0	2.0–3.0	...
Superaustenitic Stainless Steel									
N08904	...	...	0.020	2.00	0.10	19.0–23.0	23.0–28.0	4.0–5.0	1.0–2.0
...	1.4539	...	0.020	2.00	0.15	19.0–21.0	24.0–26.0	4.0–5.0	1.20–2.00
N08367	...	...	0.030	2.00	0.18–0.25	20.0–22.0	23.5–25.5	6.0–7.0	0.75
S31254	...	...	0.020	1.00	0.18–0.25	19.5–20.5	17.5–18.5	6.0–6.5	0.50–1.00
...	1.4547	...	0.020	1.00	0.18–0.25	19.5–20.5	17.5–18.5	6.0–7.0	0.50–1.00
N08926	...	...	0.020	2.00	0.15–0.25	19.0–21.0	24.0–26.0	6.0–7.0	0.5–1.5
...	1.4529	...	0.020	1.00	0.15–0.25	19.0–21.0	24.0–26.0	6.0–7.0	0.50–1.50
Duplex Stainless Steels									
S32101	...	...	0.040	4.00–6.00	0.20–0.25	21.0–22.0	1.35–1.70	0.10–0.80	0.10–0.80
...	1.4162	...	0.04	4.0–6.0	0.20–0.25	21.0–22.0	1.35–1.70	0.10–0.80	0.10–0.80
S32205	...	...	0.030	2.00	0.14–0.20	22.0–23.0	4.5–6.5	3.0–3.5	...
...	1.4462	...	0.030	2.00	0.10–0.22	21.0–23.0	4.5–6.5	2.50–3.5	...
S32750	...	...	0.030	sty.20	0.24–0.32	24.0–26.0	6.0–8.0	3.0–5.0	0.50
...	1.4410	...	0.030	2.00	0.24–0.35	24.0–26.0	6.0–8.0	3.0–4.5	...

1 For cross-referencing of the UNS numbers listed above to common alloy names, refer to SAE Metals and Alloys in the Unified Numbering System, latest edition.

GENERAL NOTES:

- (a) Maximum, unless range or minimum is indicated.
- (b) Values listed in this Table are primary elements only and are not complete chemical compositions as listed in specific product type material specifications. Alloy composition is typically at the low end of the ranges indicated above. Refer to appropriate product type material specification for complete material composition requirements.
- (c) Alloys listed between horizontal lines are not equivalent, but comparable.

ASME BPE-2024 Table MM-2.1-2 Wrought Nickel Alloys: Nominal Compositions (wt. %)

UNS Number ¹	EN Designation	JIS Designation	C	Cr	Ni	Mo	Cu	Other
N06625	...	...	0.1	20.0–23.0	58.0 min.	8.0–10.0	...	Fe: 5.0 max. (Nb + Ta): 3.15–4.15
...	2.4856	...	0.03–0.10	20.0–23.0	58.0 min.	8.0–10.0	0,5	Fe: 5.0 max. (Nb + Ta): 3.15–4.15 Ti: 0.40 max
...	...	NCF625	0.1	20.0–23.0	58.0 min.	8.0–10.0	...	Fe: 5.00 max. (Nb + Ta): 3.15–4.15 Ti: 0.40 max
N10276	...	...	0.01	14.5–16.5	Balance	15.0–17.0	...	W: 3.0–4.5 Fe: 4.0–7.0 Co: 2.5 max. Mn: 1.0 max.
...	2.4819	...	0.01	14.5–16.5	Balance	15.0–17.0	0,5	W: 3.0–4.5 Fe: 4.0–7.0 Co: 2.5 max. Mn: 1.0 max
...	...	NW0276	0.01	14.5–16.5	Balance	15.0–17.0	...	W: 3.00–4.50 Fe: 4.00–7.00 Co: 2.50 max. Mn: 1.00 max
N06022	...	...	0.015	20.0–22.5	Balance	12.5–14.5	...	W: 2.5–3.5 Fe: 2.0–6.0 Co: 2.5 max. Mn: 0.50 max
...	2.4602	...	0.01	20.0–22.5	Balance	12.5–14.5	...	W: 2.5–3.5 Fe: 2.0–6.0 Co: 2.5 max. Mn: 0.50 max
...	...	NW6022	0.015	20.0–22.5	Balance	12.5–14.5	...	W: 2.5–3.5 Fe: 2.0–6.0 Co: 2.5 max. Mn: 0.50 max

1 For cross-referencing of the UNS numbers listed above to common alloy names, refer to SAE Metals and Alloys in the Unified Numbering System, latest edition.

GENERAL NOTES:

- (a) Maximum, unless range or minimum is indicated.
- (b) Values listed in this Table are primary elements only and are not complete chemical compositions as listed in specific product type material specifications. Alloy composition is typically at the low end of the ranges indicated above. Refer to appropriate product type material specification for complete material composition requirements.
- (c) Alloys listed between horizontal lines are not equivalent, but comparable.

ASME BPE-2024 Table DT-2-1 Metallic Fittings: Rated Internal Working Pressure

Temperature		<3in.		3 in.		4 in.		6 in.	
°F	°C	psig	kPa	psig	kPa	psig	kPa	psig	kPa
100	38	200	1379	200	1379	200	1379	150	1034
200	93	200	1379	200	1379	200	1379	150	1034
300	149	188	1293	188	1293	188	1293	141	970
400	204	170	1173	170	1173	170	1173	128	880

GENERAL NOTES:

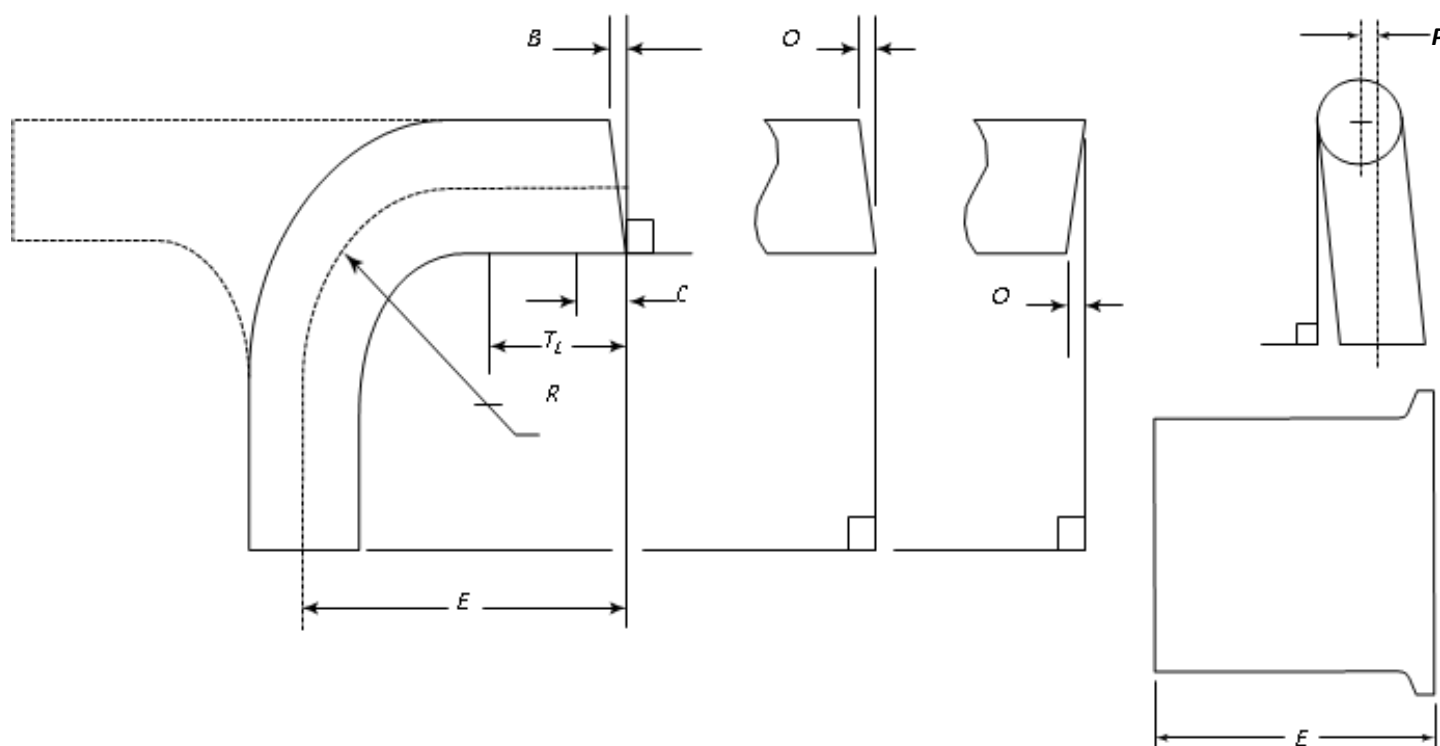
- (a) Manufacturers may publish higher pressure ratings; see DT-2.
- (b) Hygienic clamp connections shall meet criteria in DT-9.

ASME BPE-2024 Table SF-2.4.1-1 R_a Readings for Metallic Process Contact Surfaces

R _a Max.		
Mechanically Polished [Note (1)]		
Surface Designation	μin.	μm
SF0	No finish requirement	No finish requirement
SF1	20	0.51
SF2	25	0.64
SF3	30	0.76
Electropolished		
SF4	15	0.38
SF5	20	0.51
SF6	25	0.64

GENERAL NOTES:

- (a) All R_a readings are to be in accordance with ASME B46.1.
 - (b) All R_a readings are taken across the lay, wherever possible.
 - (c) No single R_a reading shall exceed the R_a max. value in this table.
 - (d) Other R_a readings are available, not to exceed values in this table.
- NOTE: (1) Or any other finishing method that meets the R_a max.



ASME BPE-2024 Final Tolerances - Polished Fittings and Process Components, Excluding Tube

Nominal Size (inch)	O.D. (mm)	Wall Thickness Manual Polished (mm)	Wall Thickness Electro polished (mm)	Squareness Face to Tangent B (mm)	Off Angle O (mm)	Equiv. Angle for O (deg)	Off Plane P (mm)	Centerline Radius (CLR), R (mm)
1/4"	+/- 0.13	+0.08/-0.10	+0.08/-0.15	0.13	0.23	2.1°	0.76	14.30
3/8"	+/- 0.13	+0.08/-0.10	+0.08/-0.15	0.13	0.30	1.8°	0.76	28.58
1/2"	+/- 0.13	+0.13/-0.20	+0.13/-0.25	0.13	0.36	1.6°	0.76	28.58
3/4"	+/- 0.13	+0.13/-0.20	+0.13/-0.25	0.13	0.46	1.4°	0.76	28.58
1"	+/- 0.13	+0.13/-0.20	+0.13/-0.25	0.13	0.64	1.4°	0.76	38.10
1" 1/2"	+/- 0.20	+0.13/-0.20	+0.13/-0.25	0.20	0.86	1.3°	1.27	57.15
2"	+/- 0.20	+0.13/-0.20	+0.13/-0.25	0.20	1.09	1.2°	1.27	76.20
2" 1/2	+/- 0.25	+0.13/-0.20	+0.13/-0.25	0.25	1.37	1.2°	1.27	95.25
3"	+/- 0.25	+0.13/-0.20	+0.13/-0.25	0.41	1.73	1.3°	1.27	114.30
4"	+/- 0.38	+0.20/-0.25	+0.20/-0.30	0.41	2.18	1.2°	1.52	152.40
6"	+/- 0.76	+0.38/-0.38	+0.38/-0.43	0.76	3.43	1.3°	1.52	228.60

GENERAL NOTES:

All these tolerances are defined in chapter DT-7 with reference to tables DT-3-1, DT-3-2 & DT-7.1-1 for fittings, and ASTM A269 & A270-S2 for tubes.

(a) Tolerance on end-to-end and center-to-end dimension E is ± 0.050 in. (1.27 mm) for all fittings and process components depicted. For those not depicted in this Standard, see manufacturer for standards.

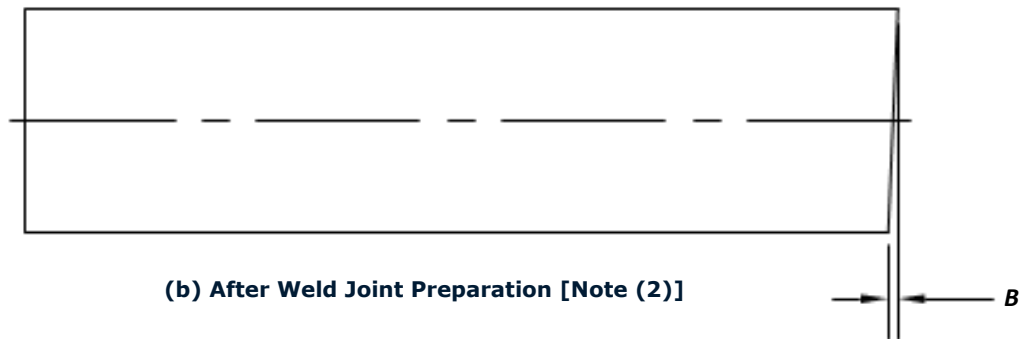
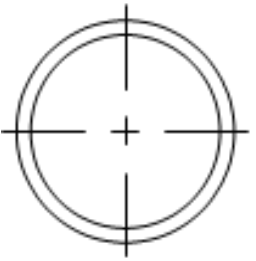
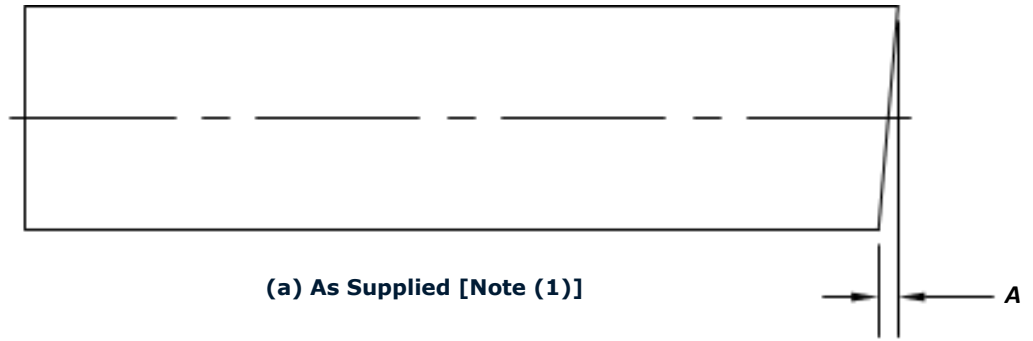
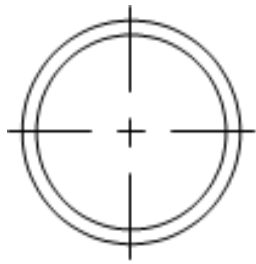
(b) See Table DT-3-2 for electropolished wall thickness tolerances.

(c) See DT-7 (Tolerances) for C control portion lengths.

(d) See Table DT-4.1-1 for TL tangent length dimensions.

(e) Tolerance for centerline radius (CLR) is $\pm 10\%$ of the nominal dimension (R).

(f) See DT-7.2 for tubing tolerances

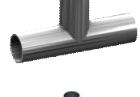
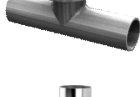


ASME BPE-2024 Table DT-7.2-1 Tubing End Square Cut Tolerances

Nominal Size (inch)	Square Cut Tolerances, Max			
	A		B	
	(in.)	(mm)	(in.)	(mm)
1/4"	0.005	0.13	0.005	0.13
3/8"	0.006	0.14	0.005	0.13
1/2"	0.008	0.20	0.005	0.13
3/4"	0.011	0.29	0.005	0.13
1"	0.015	0.38	0.008	0.20
1" 1/2"	0.022	0.57	0.008	0.20
2"	0.030	0.76	0.008	0.20
2" 1/2	0.038	0.95	0.010	0.25
3"	0.045	1.14	0.016	0.41
4"	0.060	1.52	0.016	0.41
6"	0.090	2.29	0.030	0.76

GENERAL NOTES:

- (1) Maximum deviations from squareness, A, for tube face to outside diameter.
- (2) Maximum deviations from squareness, B, for tube face to outside diameter.

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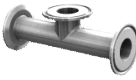
Product	DT Code	Description	Page
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Table: DT-4-1
Nominal O.D. Tubing Sizes

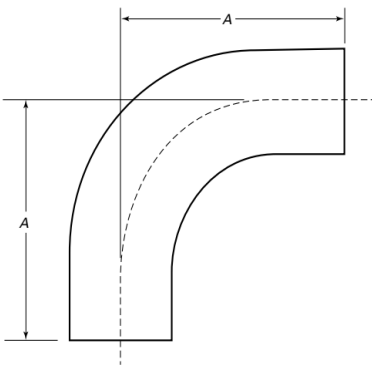


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	T270-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	T270-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	T270-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	T270-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	T270-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	T270-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	T270-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	T270-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	T270-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	T270-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	T270-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-1
Automatic Tube weld : 90° Elbow


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

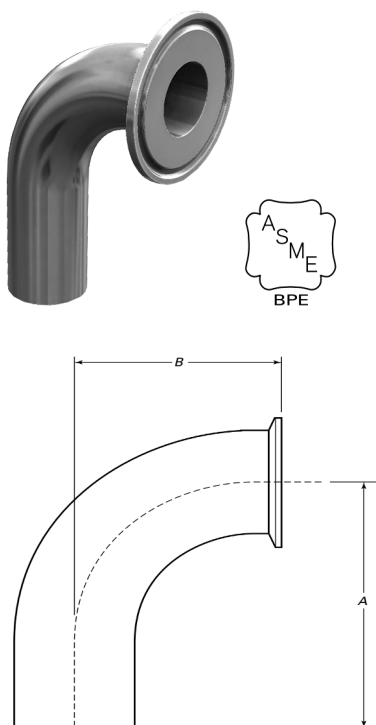
Nominal size	OD		ID		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	2,625	66,68	2,625	66,68	T2S-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	2,625	66,68	2,625	66,68	T2S-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	3,000	76,20	3,000	76,20	T2S-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	3,000	76,20	3,000	76,20	T2S-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	3,000	76,20	3,000	76,20	T2S-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	3,750	95,25	3,750	95,25	T2S-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	4,750	120,65	4,750	120,65	T2S-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	5,500	139,70	5,500	139,70	T2S-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	6,250	158,75	6,250	158,75	T2S-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	8,000	203,20	8,000	203,20	T2S-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	11,500	292,10	11,500	292,10	T2S-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-2

Automatic Tube weld : Hygienic Clamp Joint, 90° Elbow

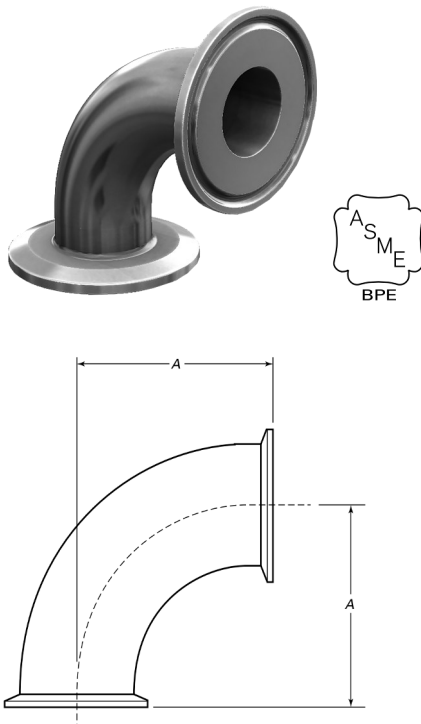


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		A		B		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	2,625	66,68	1,625	41,28	T2CM-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	2,625	66,68	1,625	41,28	T2CM-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	3,000	76,20	1,625	41,28	T2CM-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	3,000	76,20	1,625	41,28	T2CM-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	3,000	76,20	2,000	50,80	T2CM-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	3,750	95,25	2,750	69,85	T2CM-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	4,750	120,65	3,500	88,90	T2CM-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	5,500	139,70	4,250	107,95	T2CM-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	6,250	158,75	5,000	127,00	T2CM-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	8,000	203,20	6,625	168,28	T2CM-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	11,500	292,10	10,500	266,70	T2CM-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-3
Hygienic Clamp Joint : 90° Elbow


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

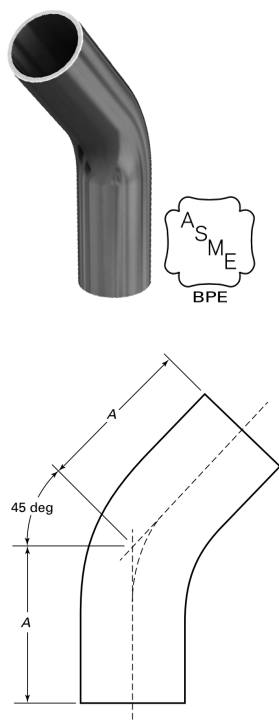
Nominal size	OD		ID		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	1,625	41,28	1,625	41,28	T2CMP-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	1,625	41,28	1,625	41,28	T2CMP-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	1,625	41,28	1,625	41,28	T2CMP-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	1,625	41,28	1,625	41,28	T2CMP-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,000	50,80	2,000	50,80	T2CMP-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	2,750	69,85	2,750	69,85	T2CMP-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	3,500	88,90	3,500	88,90	T2CMP-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	4,250	107,95	4,250	107,95	T2CMP-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	5,000	127,00	5,000	127,00	T2CMP-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	6,625	168,28	6,625	168,28	T2CMP-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	10,500	266,70	10,500	266,70	T2CMP-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-4

Automatic Tube weld : 45° Elbow



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

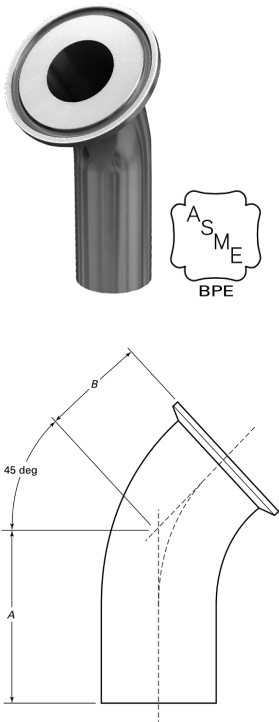
Nominal size	ID		OD		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	2,000	50,80	2,000	50,80	T2KS-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	2,000	50,80	2,000	50,80	T2KS-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	2,250	57,15	2,250	57,15	T2KS-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	2,250	57,15	2,250	57,15	T2KS-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,250	57,15	2,250	57,15	T2KS-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	2,500	63,50	2,500	63,50	T2KS-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	3,000	76,20	3,000	76,20	T2KS-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	3,375	85,73	3,375	85,73	T2KS-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	3,625	92,08	3,625	92,08	T2KS-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	4,500	114,30	4,500	114,30	T2KS-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	6,250	158,75	6,250	158,75	T2KS-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-5

Automatic Tube weld : Hygienic Clamp Joint 45° Elbow



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

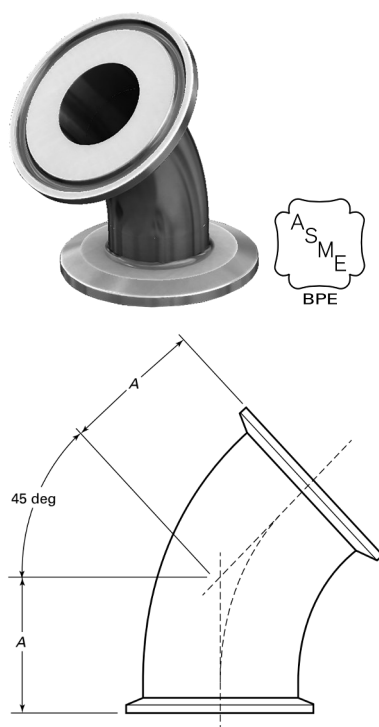
Nominal size	OD		ID		Wall thickness		A		B		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	2,000	50,80	1,000	25,40	T2KM-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	2,000	50,80	1,000	25,40	T2KM-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	2,250	57,15	1,000	25,40	T2KM-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	2,250	57,15	1,000	25,40	T2KM-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,250	57,15	1,125	28,58	T2KM-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	2,500	63,50	1,438	36,53	T2KM-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	3,000	76,20	1,750	44,45	T2KM-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	3,375	85,73	2,063	52,40	T2KM-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	3,625	92,08	2,375	60,33	T2KM-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	4,500	114,30	3,125	79,38	T2KM-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	6,250	158,75	5,250	133,35	T2KM-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-6

Hygienic Clamp Joint : 45° Elbow

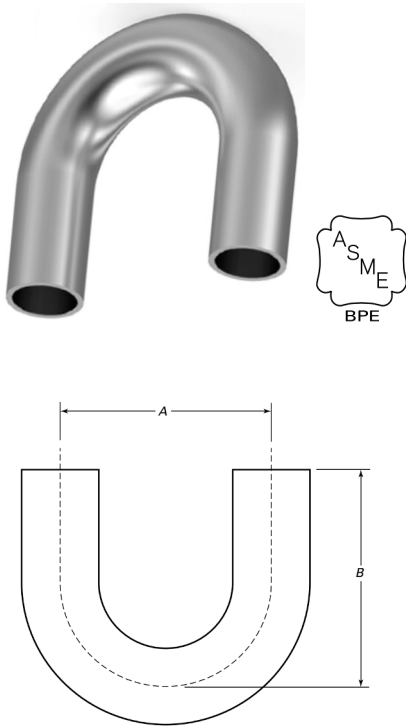


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	1,000	25,40	1,000	25,40	T2KMP-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	1,000	25,40	1,000	25,40	T2KMP-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	1,000	25,40	1,000	25,40	T2KMP-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	1,000	25,40	1,000	25,40	T2KMP-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	1,125	28,58	1,125	28,58	T2KMP-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	1,438	36,53	1,438	36,53	T2KMP-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	1,750	44,45	1,750	44,45	T2KMP-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	2,063	52,40	2,063	52,40	T2KMP-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	2,375	60,33	2,375	60,33	T2KMP-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	3,125	79,38	3,125	79,38	T2KMP-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	5,250	133,35	5,250	133,35	T2KMP-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-7
Automatic Tube weld : 180 ° Return Bend


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

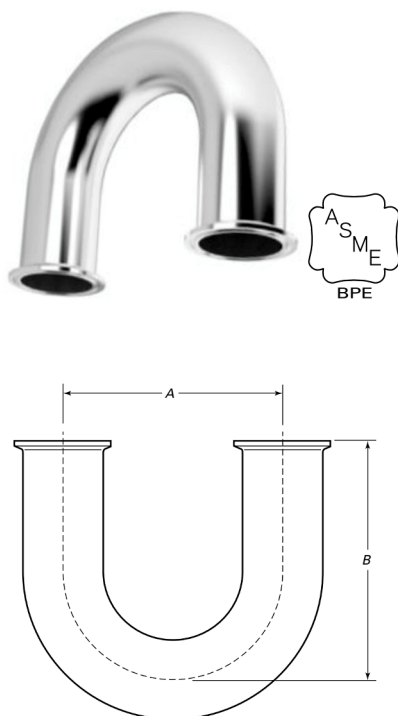
Nominal size	OD		ID		Wall thickness		A		B		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	4,500	114,30	2,625	66,68	T2WUL-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	4,500	114,30	2,625	66,68	T2WUL-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	4,500	114,30	3,000	76,20	T2WUL-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	4,500	114,30	3,000	76,20	T2WUL-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	3,000	76,20	3,000	76,20	T2WUL-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	4,500	114,30	4,500	114,30	T2WUL-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	6,000	152,40	5,000	127,00	T2WUL-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	7,500	190,50	5,750	146,05	T2WUL-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	9,000	228,60	6,500	165,10	T2WUL-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	12,000	304,80	8,500	215,90	T2WUL-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	18,000	457,20	11,500	292,10	T2WUL-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-8

Hygienic Clamp Joint : 180° Return Bend



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

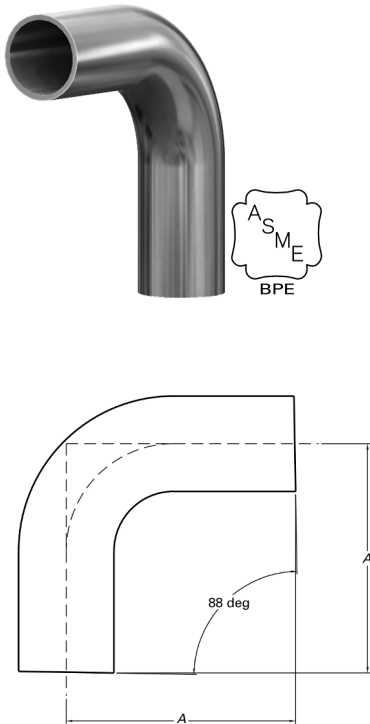
Nominal size	OD		ID		Wall thickness		A		B		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	4,500	114,30	3,125	79,38	T2WUMP-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	4,500	114,30	3,125	79,38	T2WUMP-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	4,500	114,30	3,500	88,90	T2WUMP-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	4,500	114,30	3,500	88,90	T2WUMP-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	3,000	76,20	3,500	88,90	T2WUMP-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	4,500	114,30	5,000	127,00	T2WUMP-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	6,000	152,40	5,500	139,70	T2WUMP-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	7,500	190,50	6,250	158,75	T2WUMP-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	9,000	228,60	7,000	177,80	T2WUMP-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	12,000	304,80	9,125	231,78	T2WUMP-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	18,000	457,20	13,000	330,20	T2WUMP-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-9

Automatic Tube weld : 88° Elbow



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

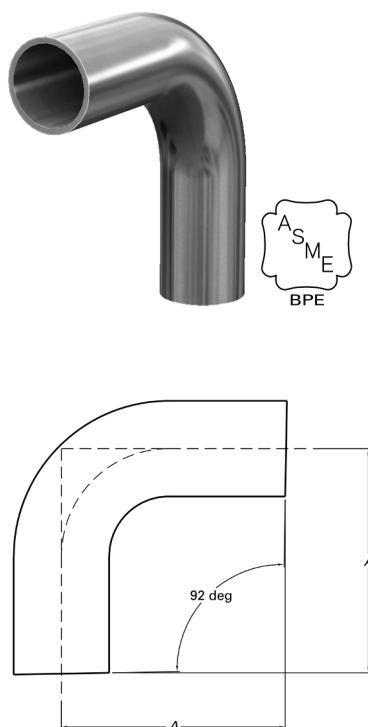
Nominal size	OD		ID		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	2,700	68,58	2,700	68,58	T2S88-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	2,700	68,58	2,700	68,58	T2S88-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	3,065	77,85	3,065	77,85	T2S88-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	3,065	77,85	3,065	77,85	T2S88-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	3,050	77,47	3,050	77,47	T2S88-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	3,800	96,52	3,800	96,52	T2S88-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	4,810	122,17	4,810	122,17	T2S88-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	5,560	141,22	5,560	141,22	T2S88-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	6,310	160,27	6,310	160,27	T2S88-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	8,065	204,85	8,065	204,85	T2S88-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	11,580	294,13	11,580	294,13	T2S88-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table: DT-4.1.1-10

Automatic Tube weld : 92° Elbow



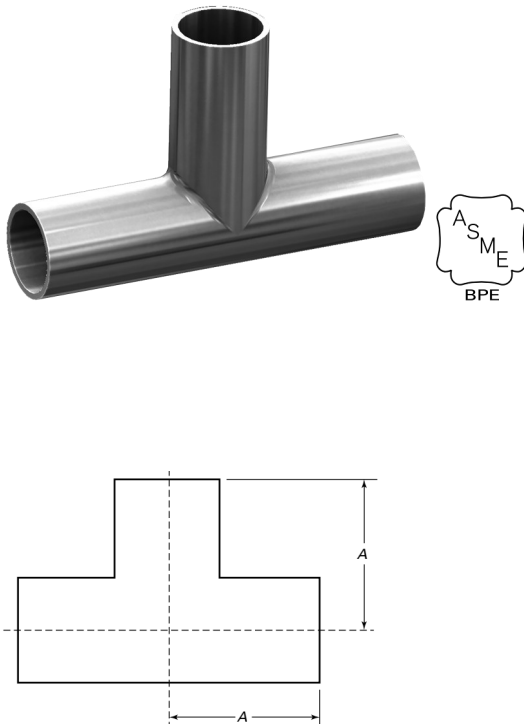
Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	2,530	64,26	2,530	64,26	T2S92-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	2,530	64,26	2,530	64,26	T2S92-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	2,930	74,42	2,930	74,42	T2S92-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	2,930	74,42	2,930	74,42	T2S92-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,950	74,93	2,950	74,93	T2S92-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	3,690	93,73	3,690	93,73	T2S92-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	4,690	119,13	4,690	119,13	T2S92-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	5,440	138,18	5,440	138,18	T2S92-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	6,190	157,23	6,190	157,23	T2S92-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	7,930	201,42	7,930	201,42	T2S92-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	11,410	289,81	11,410	289,81	T2S92-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-1
Automatic Tube Weld: Straight Tee



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

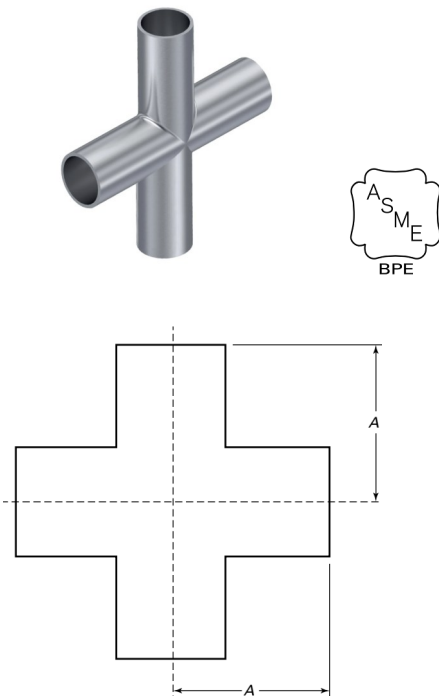
Nominal size	OD		ID		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	1,750	44,45	1,750	44,45	T7WWW-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	1,750	44,45	1,750	44,45	T7WWW-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	1,875	47,63	1,875	47,63	T7WWW-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	2,000	50,80	2,000	50,80	T7WWW-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,125	53,98	2,125	53,98	T7WWW-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	2,375	60,33	2,375	60,33	T7WWW-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	2,875	73,03	2,875	73,03	T7WWW-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	3,125	79,38	3,125	79,38	T7WWW-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	3,375	85,73	3,375	85,73	T7WWW-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	4,125	104,78	4,125	104,78	T7WWW-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	5,625	142,88	5,625	142,88	T7WWW-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-1

Automatic Tube Weld: Straight Cross

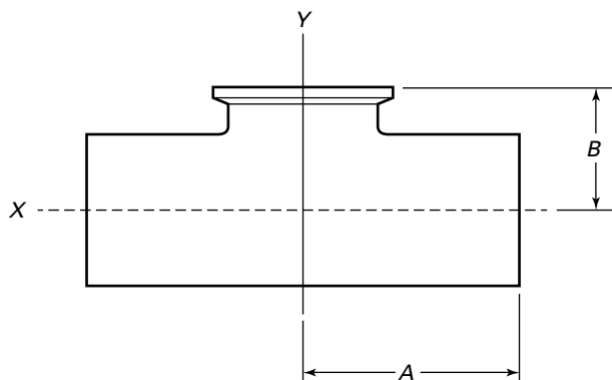
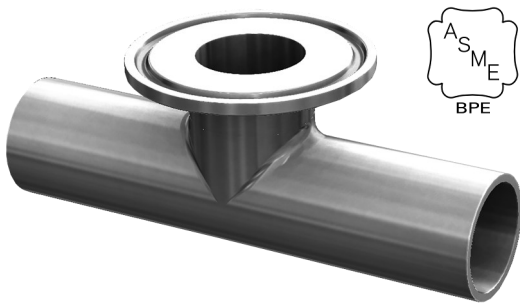


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	1,750	44,45	1,750	44,45	T9WWWW-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	1,750	44,45	1,750	44,45	T9WWWW-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	1,875	47,63	1,875	47,63	T9WWWW-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	2,000	50,80	2,000	50,80	T9WWWW-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,125	53,98	2,125	53,98	T9WWWW-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	2,375	60,33	2,375	60,33	T9WWWW-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	2,875	73,03	2,875	73,03	T9WWWW-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	3,125	79,38	3,125	79,38	T9WWWW-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	3,375	85,73	3,375	85,73	T9WWWW-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	4,125	104,78	4,125	104,78	T9WWWW-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	5,625	142,88	5,625	142,88	T9WWWW-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-2
Automatic Tube Weld: Short-Outlet Hygienic Clamp Joint Tee


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

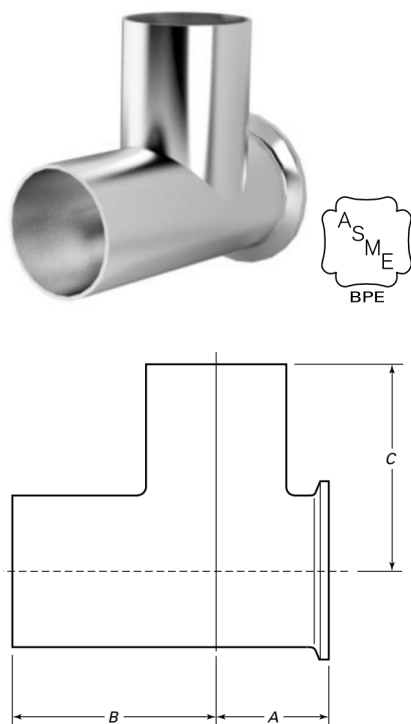
Nominal size	OD		ID		Wall thickness		A		B		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	1,750	44,45	1,000	25,40	T7WWMS-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	1,750	44,45	1,000	25,40	T7WWMS-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	1,875	47,63	1,000	25,40	T7WWMS-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	2,000	50,80	1,125	28,58	T7WWMS-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,125	53,98	1,125	28,58	T7WWMS-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	2,375	60,33	1,375	34,93	T7WWMS-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	2,875	73,03	1,625	41,28	T7WWMS-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	3,125	79,38	1,875	47,63	T7WWMS-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	3,375	85,73	2,125	53,98	T7WWMS-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	4,125	104,78	2,750	69,85	T7WWMS-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	5,625	142,88	4,625	117,48	T7WWMS-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-3

Hygienic Mechanical Joint: Short-Outlet Run Tee



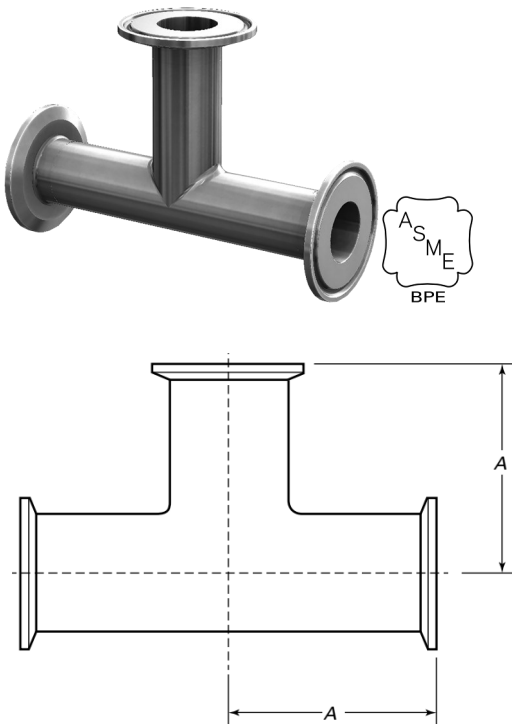
Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		A		B		C		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	0,875	22,23	1,750	44,45	1,750	44,45	T7WMPW-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	0,875	22,23	1,750	44,45	1,750	44,45	T7WMPW-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	0,875	22,23	1,875	47,63	1,875	47,63	T7WMPW-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	1,000	25,40	2,000	50,80	2,000	50,80	T7WMPW-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	1,125	28,58	2,125	53,98	2,125	53,98	T7WMPW-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	1,375	34,93	2,375	60,33	2,375	60,33	T7WMPW-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	1,625	41,28	2,875	73,03	2,875	73,03	T7WMPW-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	1,875	47,63	3,125	79,38	3,125	79,38	T7WMPW-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	2,125	53,98	3,375	85,73	3,375	85,73	T7WMPW-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	2,750	69,85	4,125	104,78	4,125	104,78	T7WMPW-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	4,625	117,48	5,625	142,88	5,625	142,88	T7WMPW-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-4
Hygienic Clamp Joint: Straight Tee



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

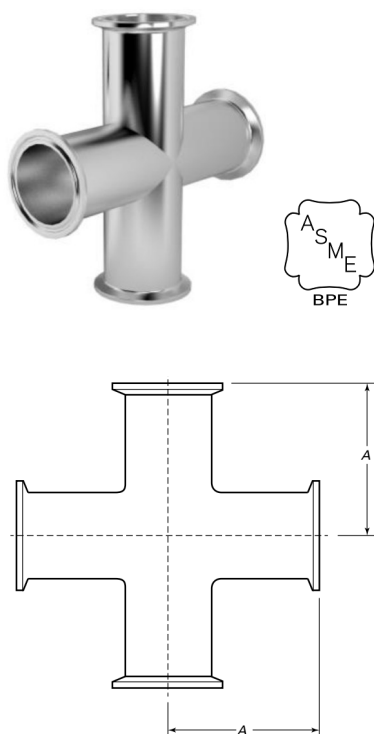
Nominal size	OD		ID		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	2,250	57,15	2,250	57,15	T7MP-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	2,250	57,15	2,250	57,15	T7MP-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	2,375	60,33	2,375	60,33	T7MP-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	2,500	63,50	2,500	63,50	T7MP-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,625	66,68	2,625	66,68	T7MP-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	2,875	73,03	2,875	73,03	T7MP-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	3,375	85,73	3,375	85,73	T7MP-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	3,625	92,08	3,625	92,08	T7MP-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	3,875	98,43	3,875	98,43	T7MP-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	4,750	120,65	4,750	120,65	T7MP-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	7,125	180,98	7,125	180,98	T7MP-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-4

Hygienic Clamp Joint: Straight Cross

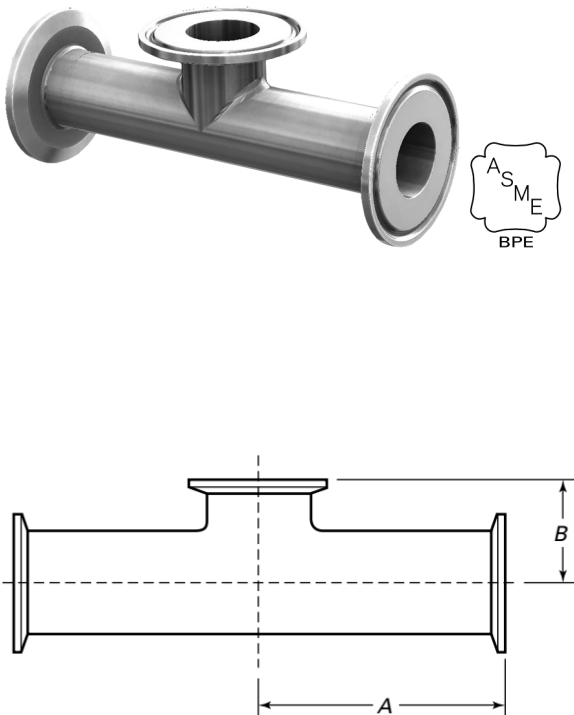


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		A		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	2,250	57,15	2,250	57,15	T9MP-025XX
3/8	0,375	9,53	0,340	7,75	0,035	0,89	2,250	57,15	2,250	57,15	T9MP-0375XX
1/2	0,500	12,70	0,435	9,40	0,065	1,65	2,375	60,33	2,375	60,33	T9MP-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	2,500	63,50	2,500	63,50	T9MP-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,625	66,68	2,625	66,68	T9MP-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	2,875	73,03	2,875	73,03	T9MP-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	3,375	85,73	3,375	85,73	T9MP-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	3,625	92,08	3,625	92,08	T9MP-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	3,875	98,43	3,875	98,43	T9MP-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	4,750	120,65	4,750	120,65	T9MP-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	7,125	180,98	7,125	180,98	T9MP-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-5
Hygienic Clamp Joint: Short-Outlet Tee


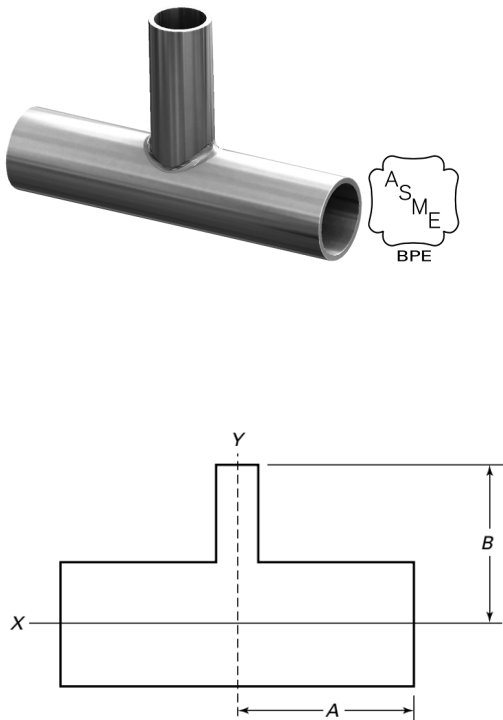
Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		A		B		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/2	0,500	12,70	0,435	9,40	0,065	1,65	2,375	60,33	1,000	25,40	T7MPS-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	2,500	63,50	1,125	28,58	T7MPS-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	2,625	66,68	1,125	28,58	T7MPS-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	2,875	73,03	1,375	34,93	T7MPS-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	3,375	85,73	1,625	41,28	T7MPS-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	3,625	92,08	1,875	47,63	T7MPS-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	3,875	98,43	2,125	53,98	T7MPS-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	4,750	120,65	2,750	69,85	T7MPS-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	7,125	180,98	4,625	117,48	T7MPS-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-6
Automatic Tube Weld: Reducing Tee



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Table DT-4.1.2-6

Automatic Tube Weld: Reducing Tee

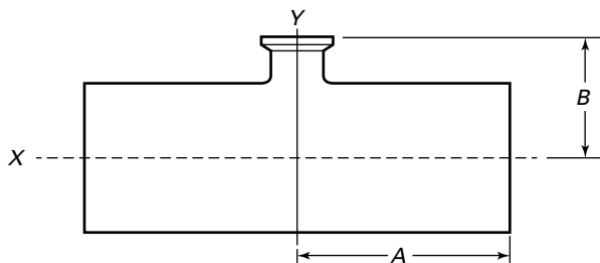
Nominal size		OD (X)		OD (Y)		A		B		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	1,750	44,45	1,750	44,45	T7RWWW-0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	1,875	47,63	1,875	47,63	T7RWWW-050025xx
1/2	3/8	0,500	12,70	0,375	9,53	1,875	47,63	1,875	47,63	T7RWWW-0500375xx
3/4	1/4	0,750	19,05	0,250	6,35	2,000	50,80	2,000	50,80	T7RWWW-075025xx
3/4	3/8	0,750	19,05	0,375	9,53	2,000	50,80	2,000	50,80	T7RWWW-0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	2,000	50,80	2,000	50,80	T7RWWW-075050xx
1	1/4	1,000	25,40	0,250	0,35	2,125	53,98	2,125	53,98	T7RWWW-100025xx
1	3/8	1,000	25,40	0,375	9,53	2,125	53,98	2,125	53,98	T7RWWW-1000375xx
1	1/2	1,000	25,40	0,500	12,70	2,125	53,98	2,125	53,98	T7RWWW-100050xx
1	3/4	1,000	25,40	0,750	19,05	2,125	53,98	2,125	53,98	T7RWWW-100075xx
1 1/2	1/2	1,500	38,10	0,500	12,70	2,375	60,33	2,375	60,33	T7RWWW-150050xx
1 1/2	3/4	1,500	38,10	0,750	19,05	2,375	60,33	2,375	60,33	T7RWWW-150075xx
1 1/2	1	1,500	38,10	1,000	25,40	2,375	60,33	2,375	60,33	T7RWWW-150100xx
2	1/2	2,000	50,80	0,500	12,70	2,875	73,03	2,625	66,68	T7RWWW-200050xx
2	3/4	2,000	50,80	0,750	19,05	2,875	73,03	2,625	66,68	T7RWWW-200075xx
2	1	2,000	50,80	1,000	25,40	2,875	73,03	2,625	66,68	T7RWWW-200100xx
2	1 1/2	2,000	50,80	1,500	38,10	2,875	73,03	2,625	66,68	T7RWWW-200150xx
2 1/2	1/2	2,500	63,50	0,500	12,70	3,125	79,38	2,875	73,03	T7RWWW-250050xx
2 1/2	3/4	2,500	63,50	0,750	19,05	3,125	79,38	2,875	73,03	T7RWWW-250075xx
2 1/2	1	2,500	63,50	1,000	25,40	3,125	79,38	2,875	73,03	T7RWWW-250100xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	3,125	79,38	2,875	73,03	T7RWWW-250150xx
2 1/2	2	2,500	63,50	2,000	50,80	3,125	79,38	2,875	73,06	T7RWWW-250200xx
3	1/2	3,000	76,20	0,500	12,70	3,375	85,73	3,125	79,38	T7RWWW-300050xx
3	3/4	3,000	76,20	0,750	19,05	3,375	85,73	3,125	79,38	T7RWWW-300075xx
3	1	3,000	76,20	1,000	25,40	3,375	85,73	3,125	79,38	T7RWWW-300100xx
3	1 1/2	3,000	76,20	1,500	38,10	3,375	85,73	3,125	79,38	T7RWWW-300150xx
3	2	3,000	76,20	2,000	50,80	3,375	85,73	3,125	79,38	T7RWWW-300200xx
3	2 1/2	3,000	76,20	2,500	63,50	3,375	85,73	3,125	79,38	T7RWWW-300250xx
4	1/2	4,000	101,60	0,500	12,70	4,125	104,78	3,625	92,08	T7RWWW-400050xx
4	3/4	4,000	101,60	0,750	19,05	4,125	104,78	3,625	92,08	T7RWWW-400075xx
4	1	4,000	101,60	1,000	25,40	4,125	104,78	3,625	92,08	T7RWWW-400100xx
4	1 1/2	4,000	101,60	1,500	38,10	4,125	104,78	3,625	92,08	T7RWWW-400150xx
4	2	4,000	101,60	2,000	50,80	4,125	104,78	3,875	98,43	T7RWWW-400200xx
4	2 1/2	4,000	101,60	2,500	63,50	4,125	104,78	3,875	98,43	T7RWWW-400250xx
4	3	4,000	101,60	3,000	76,20	4,125	104,78	3,750	98,43	T7RWWW-400300xx
6	1/2	6,000	152,40	0,500	12,70	5,625	142,88	4,625	117,48	T7RWWW-600050xx
6	3/4	6,000	152,40	0,750	19,05	5,625	142,88	4,625	117,48	T7RWWW-600075xx
6	1	6,000	152,40	1,000	25,40	5,625	142,88	4,625	117,48	T7RWWW-600100xx
6	1 1/2	6,000	152,40	1,500	38,10	5,625	142,88	4,625	117,48	T7RWWW-600150xx
6	2	6,000	152,40	2,000	50,80	5,625	142,88	4,875	123,83	T7RWWW-600200xx
6	2 1/2	6,000	152,40	2,500	63,50	5,625	142,88	4,875	123,83	T7RWWW-600250xx
6	3	6,000	152,40	3,000	76,20	5,625	142,88	4,875	123,83	T7RWWW-600300xx
6	4	6,000	152,40	4,000	101,60	5,625	142,88	5,125	130,18	T7RWWW-600400xx

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-7

Aut. Tube Weld: Short-Outlet Hygienic Clamp, Joint Reducing Tee



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Table DT-4.1.2-7

Aut. Tube Weld: Short-Outlet Hygienic Clamp, Joint Reducing Tee

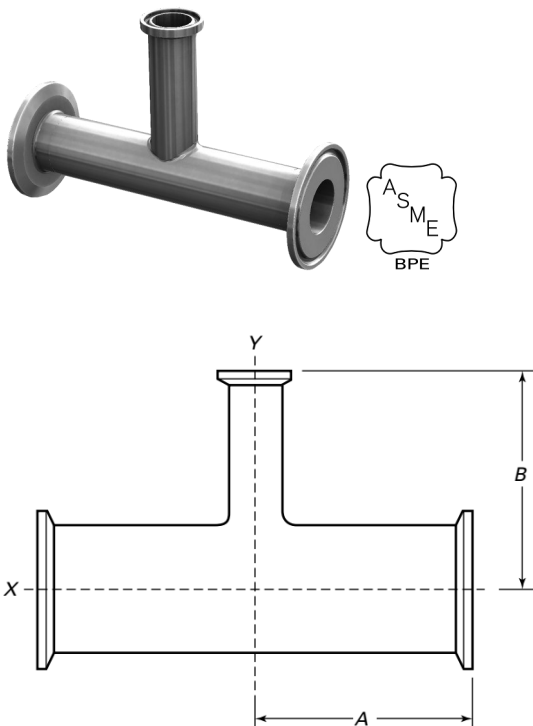
Nominal size		OD (X)		OD (Y)		A		B		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	1,750	44,45	1,000	25,40	T7RWWMS-0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	1,875	47,63	1,000	25,40	T7RWWMS-050025xx
1/2	3/8	0,500	12,70	0,375	9,53	1,875	47,63	1,000	25,40	T7RWWMS-0500375xx
3/4	1/4	0,750	19,05	0,250	6,35	2,000	50,80	1,000	25,40	T7RWWMS-075025xx
3/4	3/8	0,750	19,05	0,375	9,53	2,000	50,80	1,000	25,40	T7RWWMS-0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	2,000	50,80	1,000	25,40	T7RWWMS-075050xx
1	1/4	1,000	25,40	0,250	0,35	2,125	53,98	1,125	28,58	T7RWWMS-100025xx
1	3/8	1,000	25,40	0,375	9,53	2,125	53,98	1,125	28,58	T7RWWMS-1000375xx
1	1/2	1,000	25,40	0,500	12,70	2,125	53,98	1,125	28,58	T7RWWMS-100050xx
1	3/4	1,000	25,40	0,750	19,05	2,125	53,98	1,125	28,58	T7RWWMS-100075xx
1 1/2	1/2	1,500	38,10	0,500	12,70	2,375	60,33	1,375	34,93	T7RWWMS-150050xx
1 1/2	3/4	1,500	38,10	0,750	19,05	2,375	60,33	1,375	34,93	T7RWWMS-150075xx
1 1/2	1	1,500	38,10	1,000	25,40	2,375	60,33	1,375	34,93	T7RWWMS-150100xx
2	1/2	2,000	50,80	0,500	12,70	2,875	73,03	1,625	41,28	T7RWWMS-200050xx
2	3/4	2,000	50,80	0,750	19,05	2,875	73,03	1,625	41,28	T7RWWMS-200075xx
2	1	2,000	50,80	1,000	25,40	2,875	73,03	1,625	41,28	T7RWWMS-200100xx
2	1 1/2	2,000	50,80	1,500	38,10	2,875	73,03	1,625	41,28	T7RWWMS-200150xx
2 1/2	1/2	2,500	63,50	0,500	12,70	3,125	79,38	1,875	47,63	T7RWWMS-250050xx
2 1/2	3/4	2,500	63,50	0,750	19,05	3,125	79,38	1,875	47,63	T7RWWMS-250075xx
2 1/2	1	2,500	63,50	1,000	25,40	3,125	79,38	1,875	47,63	T7RWWMS-250100xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	3,125	79,38	1,875	47,63	T7RWWMS-250150xx
2 1/2	2	2,500	63,50	2,000	50,80	3,125	79,38	1,875	47,63	T7RWWMS-250200xx
3	1/2	3,000	76,20	0,500	12,70	3,375	85,73	2,125	53,98	T7RWWMS-300050xx
3	3/4	3,000	76,20	0,750	19,05	3,375	85,73	2,125	53,98	T7RWWMS-300075xx
3	1	3,000	76,20	1,000	25,40	3,375	85,73	2,125	53,98	T7RWWMS-300100xx
3	1 1/2	3,000	76,20	1,500	38,10	3,375	85,73	2,125	53,98	T7RWWMS-300150xx
3	2	3,000	76,20	2,000	50,80	3,375	85,73	2,125	53,98	T7RWWMS-300200xx
3	2 1/2	3,000	76,20	2,500	63,50	3,375	85,73	2,125	53,98	T7RWWMS-300250xx
4	1/2	4,000	101,60	0,500	12,70	4,125	104,78	2,625	66,68	T7RWWMS-400050xx
4	3/4	4,000	101,60	0,750	19,05	4,125	104,78	2,625	66,68	T7RWWMS-400075xx
4	1	4,000	101,60	1,000	25,40	4,125	104,78	2,625	66,68	T7RWWMS-400100xx
4	1 1/2	4,000	101,60	1,500	38,10	4,125	104,78	2,625	66,68	T7RWWMS-400150xx
4	2	4,000	101,60	2,000	50,80	4,125	104,78	2,625	66,68	T7RWWMS-400200xx
4	2 1/2	4,000	101,60	2,500	63,50	4,125	104,78	2,625	66,68	T7RWWMS-400250xx
4	3	4,000	101,60	3,000	76,20	4,125	104,78	2,625	66,68	T7RWWMS-400300xx
6	1/2	6,000	152,40	0,500	12,70	5,625	142,88	3,625	92,08	T7RWWMS-600050xx
6	3/4	6,000	152,40	0,750	19,05	5,625	142,88	3,625	92,08	T7RWWMS-600075xx
6	1	6,000	152,40	1,000	25,40	5,625	142,88	3,625	92,08	T7RWWMS-600100xx
6	1 1/2	6,000	152,40	1,500	38,10	5,625	142,88	3,625	92,08	T7RWWMS-600150xx
6	2	6,000	152,40	2,000	50,80	5,625	142,88	3,625	92,08	T7RWWMS-600200xx
6	2 1/2	6,000	152,40	2,500	63,50	5,625	142,88	3,625	92,08	T7RWWMS-600250xx
6	3	6,000	152,40	3,000	76,20	5,625	142,88	3,625	92,08	T7RWWMS-600300xx
6	4	6,000	152,40	4,000	101,60	5,625	142,88	3,750	95,25	T7RWWMS-600400xx

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-8

Hygienic Clamp Joint: Reducing Tee



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Table DT-4.1.2-8

Hygienic Clamp Joint: Reducing Tee

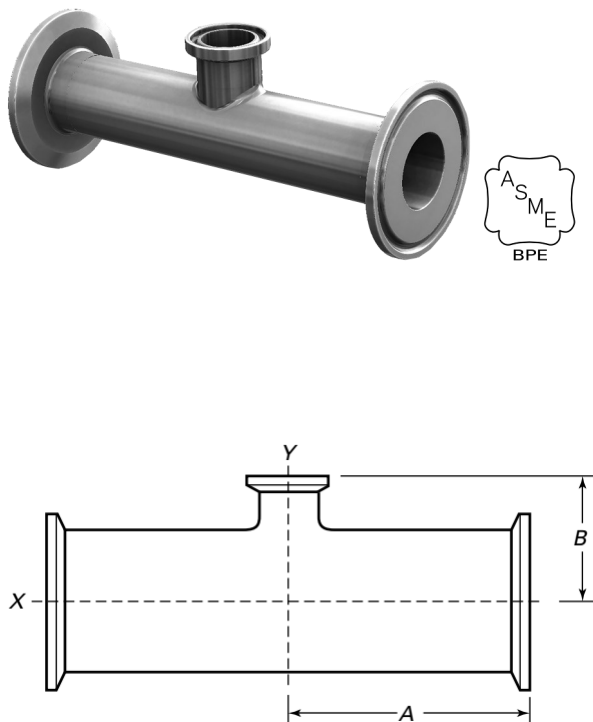
Nominal size		OD (X)		OD (Y)		A		B		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	2,250	57,15	2,250	57,15	T7RMP-0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	2,375	60,33	2,375	60,33	T7RMP-050025xx
1/2	3/8	0,500	12,70	0,375	9,53	2,375	60,33	2,375	60,33	T7RMP-0500375xx
3/4	1/4	0,750	19,05	0,250	6,35	2,500	63,50	2,500	63,50	T7RMP-075025xx
3/4	3/8	0,750	19,05	0,375	9,53	2,500	63,50	2,500	63,50	T7RMP-0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	2,500	63,50	2,500	63,50	T7RMP-075050xx
1	1/4	1,000	25,40	0,250	0,35	2,625	66,68	2,625	66,68	T7RMP-100025xx
1	3/8	1,000	25,40	0,375	9,53	2,625	66,68	2,625	66,68	T7RMP-1000375xx
1	1/2	1,000	25,40	0,500	12,70	2,625	66,68	2,625	66,68	T7RMP-100050xx
1	3/4	1,000	25,40	0,750	19,05	2,625	66,68	2,625	66,68	T7RMP-100075xx
1 1/2	1/2	1,500	38,10	0,500	12,70	2,875	73,03	2,875	73,03	T7RMP-150050xx
1 1/2	3/4	1,500	38,10	0,750	19,05	2,875	73,03	2,875	73,03	T7RMP-150075xx
1 1/2	1	1,500	38,10	1,000	25,40	2,875	73,03	2,875	73,03	T7RMP-150100xx
2	1/2	2,000	50,80	0,500	12,70	3,375	85,73	3,125	79,38	T7RMP-200050xx
2	3/4	2,000	50,80	0,750	19,05	3,375	85,73	3,125	79,38	T7RMP-200075xx
2	1	2,000	50,80	1,000	25,40	3,375	85,73	3,125	79,38	T7RMP-200100xx
2	1 1/2	2,000	50,80	1,500	38,10	3,375	85,73	3,125	79,38	T7RMP-200150xx
2 1/2	1/2	2,500	63,50	0,500	12,70	3,625	92,08	3,375	85,73	T7RMP-250050xx
2 1/2	3/4	2,500	63,50	0,750	19,05	3,625	92,08	3,375	85,73	T7RMP-250075xx
2 1/2	1	2,500	63,50	1,000	25,40	3,625	92,08	3,375	85,73	T7RMP-250100xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	3,625	92,08	3,375	85,73	T7RMP-250150xx
2 1/2	2	2,500	63,50	2,000	50,80	3,625	92,08	3,375	85,73	T7RMP-250200xx
3	1/2	3,000	76,20	0,500	12,70	3,875	98,43	3,625	92,08	T7RMP-300050xx
3	3/4	3,000	76,20	0,750	19,05	3,875	98,43	3,625	92,08	T7RMP-300075xx
3	1	3,000	76,20	1,000	25,40	3,875	98,43	3,625	92,08	T7RMP-300100xx
3	1 1/2	3,000	76,20	1,500	38,10	3,875	98,43	3,625	92,08	T7RMP-300150xx
3	2	3,000	76,20	2,000	50,80	3,875	98,43	3,625	92,08	T7RMP-300200xx
3	2 1/2	3,000	76,20	2,500	63,50	3,875	98,43	3,625	92,08	T7RMP-300250xx
4	1/2	4,000	101,60	0,500	12,70	4,750	120,65	4,125	104,78	T7RMP-400050xx
4	3/4	4,000	101,60	0,750	19,05	4,750	120,65	4,125	104,78	T7RMP-400075xx
4	1	4,000	101,60	1,000	25,40	4,750	120,65	4,125	104,78	T7RMP-400100xx
4	1 1/2	4,000	101,60	1,500	38,10	4,750	120,65	4,125	104,78	T7RMP-400150xx
4	2	4,000	101,60	2,000	50,80	4,750	120,65	4,375	111,13	T7RMP-400200xx
4	2 1/2	4,000	101,60	2,500	63,50	4,750	120,65	4,375	111,13	T7RMP-400250xx
4	3	4,000	101,60	3,000	76,20	4,750	120,65	4,375	111,13	T7RMP-400300xx
6	1/2	6,000	152,40	0,500	12,70	7,125	180,98	5,125	130,18	T7RMP-600050xx
6	3/4	6,000	152,40	0,750	19,05	7,125	180,98	5,125	130,18	T7RMP-600075xx
6	1	6,000	152,40	1,000	25,40	7,125	180,98	5,125	130,18	T7RMP-600100xx
6	1 1/2	6,000	152,40	1,500	38,10	7,125	180,98	5,125	130,18	T7RMP-600150xx
6	2	6,000	152,40	2,000	50,80	7,125	180,98	5,375	136,53	T7RMP-600200xx
6	2 1/2	6,000	152,40	2,500	63,50	7,125	180,98	5,375	136,53	T7RMP-600250xx
6	3	6,000	152,40	3,000	76,20	7,125	180,98	5,375	136,53	T7RMP-600300xx
6	4	6,000	152,40	4,000	101,60	7,125	180,98	5,750	146,05	T7RMP-600400xx

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-9

Hygienic Clamp Joint: Short-Outlet Reducing Tee



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Table DT-4.1.2-9

Hygienic Clamp Joint: Short-Outlet Reducing Tee

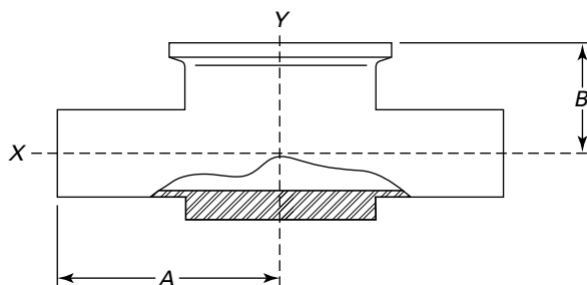
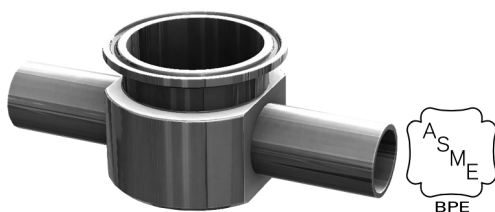
Nominal size		OD (X)		OD (Y)		A		B		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	2,250	57,15	1,000	25,40	T7RMPS-0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	2,375	60,33	1,000	25,40	T7RMPS-050025xx
1/2	3/8	0,500	12,70	0,375	9,53	2,375	60,33	1,000	25,40	T7RMSP-0500375xx
3/4	1/4	0,750	19,05	0,250	6,35	2,500	63,50	1,000	25,40	T7RMPS-075025xx
3/4	3/8	0,750	19,05	0,375	9,53	2,500	63,50	1,000	25,40	T7RMPS-0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	2,500	63,50	1,000	25,40	T7RMPS-075050xx
1	1/4	1,000	25,40	0,250	0,35	2,625	66,68	1,125	28,58	T7RMPS-100025xx
1	3/8	1,000	25,40	0,375	9,53	2,625	66,68	1,125	28,58	T7RMPS-1000375xx
1	1/2	1,000	25,40	0,500	12,70	2,625	66,68	1,125	28,58	T7RMPS-100050xx
1	3/4	1,000	25,40	0,750	19,05	2,625	66,68	1,125	28,58	T7RMPS-100075xx
1 1/2	1/2	1,500	38,10	0,500	12,70	2,875	73,03	1,375	34,93	T7RMPS-150050xx
1 1/2	3/4	1,500	38,10	0,750	19,05	2,875	73,03	1,375	34,93	T7RMPS-150075xx
1 1/2	1	1,500	38,10	1,000	25,40	2,875	73,03	1,375	34,93	T7RMPS-150100xx
2	1/2	2,000	50,80	0,500	12,70	3,375	85,73	1,625	41,28	T7RMPS-200050xx
2	3/4	2,000	50,80	0,750	19,05	3,375	85,73	1,625	41,28	T7RMPS-200075xx
2	1	2,000	50,80	1,000	25,40	3,375	85,73	1,625	41,28	T7RMPS-200100xx
2	1 1/2	2,000	50,80	1,500	38,10	3,375	85,73	1,625	41,28	T7RMPS-200150xx
2 1/2	1/2	2,500	63,50	0,500	12,70	3,625	92,08	1,875	47,63	T7RMPS-250050xx
2 1/2	3/4	2,500	63,50	0,750	19,05	3,625	92,08	1,875	47,63	T7RMPS-250075xx
2 1/2	1	2,500	63,50	1,000	25,40	3,625	92,08	1,875	47,63	T7RMPS-250100xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	3,625	92,08	1,875	47,63	T7RMPS-250150xx
2 1/2	2	2,500	63,50	2,000	50,80	3,625	92,08	1,875	47,63	T7RMPS-250200xx
3	1/2	3,000	76,20	0,500	12,70	3,875	98,43	2,125	53,98	T7RMPS-300050xx
3	3/4	3,000	76,20	0,750	19,05	3,875	98,43	2,125	53,98	T7RMPS-300075xx
3	1	3,000	76,20	1,000	25,40	3,875	98,43	2,125	53,98	T7RMPS-300100xx
3	1 1/2	3,000	76,20	1,500	38,10	3,875	98,43	2,125	53,98	T7RMPS-300150xx
3	2	3,000	76,20	2,000	50,80	3,875	98,43	2,125	53,98	T7RMPS-300200xx
3	2 1/2	3,000	76,20	2,500	63,50	3,875	98,43	2,125	53,98	T7RMPS-300250xx
4	1/2	4,000	101,60	0,500	12,70	4,750	120,65	2,625	66,68	T7RMPS-400050xx
4	3/4	4,000	101,60	0,750	19,05	4,750	120,65	2,625	66,68	T7RMPS-400075xx
4	1	4,000	101,60	1,000	25,40	4,750	120,65	2,625	66,68	T7RMPS-400100xx
4	1 1/2	4,000	101,60	1,500	38,10	4,750	120,65	2,625	66,68	T7RMPS-400150xx
4	2	4,000	101,60	2,000	50,80	4,750	120,65	2,625	66,68	T7RMPS-400200xx
4	2 1/2	4,000	101,60	2,500	63,50	4,750	120,65	2,625	66,68	T7RMPS-400250xx
4	3	4,000	101,60	3,000	76,20	4,750	120,65	2,625	66,68	T7RMPS-400300xx
6	1/2	6,000	152,40	0,500	12,70	7,125	180,98	3,625	92,08	T7RMPS-600050xx
6	3/4	6,000	152,40	0,750	19,05	7,125	180,98	3,625	92,08	T7RMPS-600075xx
6	1	6,000	152,40	1,000	25,40	7,125	180,98	3,625	92,08	T7RMPS-600100xx
6	1 1/2	6,000	152,40	1,500	38,10	7,125	180,98	3,625	92,08	T7RMPS-600150xx
6	2	6,000	152,40	2,000	50,80	7,125	180,98	3,625	92,08	T7RMPS-600200xx
6	2 1/2	6,000	152,40	2,500	63,50	7,125	180,98	3,625	92,08	T7RMPS-600250xx
6	3	6,000	152,40	3,000	76,20	7,125	180,98	3,625	92,08	T7RMPS-600300xx
6	4	6,000	152,40	4,000	101,60	7,125	180,98	3,750	95,25	T7RMPS-600400xx

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-10

Automatic Tube Weld: Instrument Tee



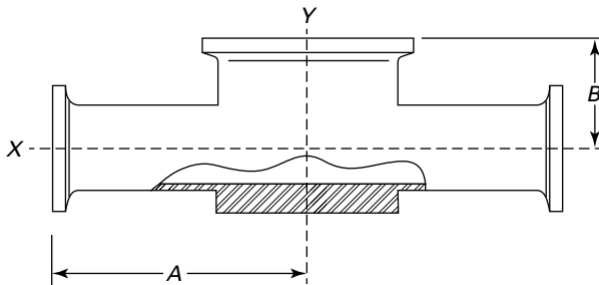
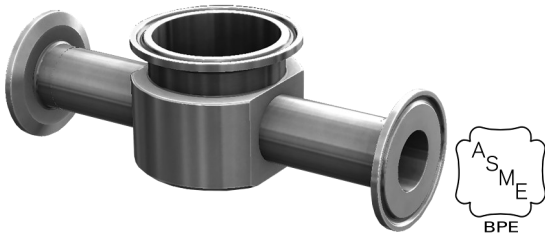
Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size		OD (X)		OD (Y)		A		B		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/2	1 1/2	0,500	12,70	1,500	38,10	2,500	63,50	0,875	22,23	T7IWWMS-050150xx
3/4	1 1/2	0,750	19,05	1,500	38,10	2,500	63,50	1,000	25,40	T7IWWMS-075150xx
1	1 1/2	1,000	25,40	1,500	38,10	2,500	63,50	1,125	28,58	T7IWWMS-100150xx
1/2	2	0,500	12,70	2,000	50,80	2,750	69,85	1,000	25,40	T7IWWMS-050200xx
3/4	2	0,750	19,05	2,000	50,80	2,750	69,85	1,125	28,58	T7IWWMS-075200xx
1	2	1,000	25,40	2,000	50,80	2,750	69,85	1,250	31,75	T7IWWMS-100200xx
1 1/2	2	1,500	38,10	2,000	50,80	2,750	69,85	1,500	38,10	T7IWWMS-150200xx

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.2-11
Hygienic Clamp Joint: Instrument Tee



Dimension	Acc. ASME BPE DT -3.1 1/4"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

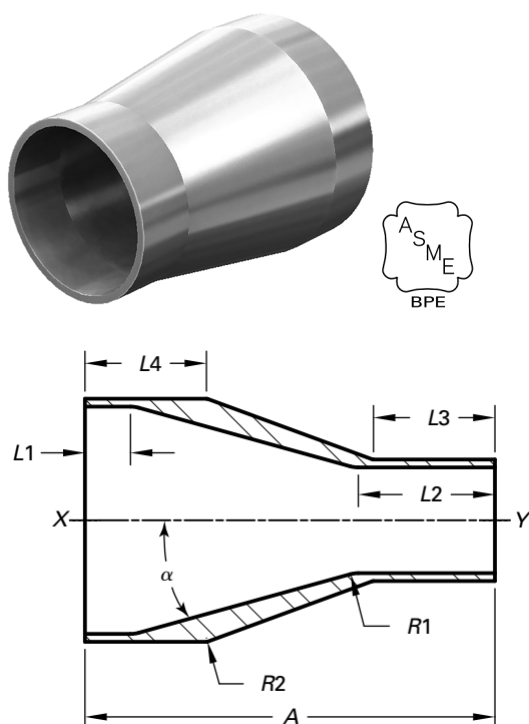
Nominal size		OD (X)		OD (Y)		A		B		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/2	1 1/2	0,500	12,70	1,500	38,10	3,000	76,20	0,875	22,23	T7IMPS-050150xx
3/4	1 1/2	0,750	19,05	1,500	38,10	3,000	76,20	1,000	25,40	T7IMPS-075150xx
1	1 1/2	1,000	25,40	1,500	38,10	3,000	76,20	1,125	28,58	T7IMPS-100150xx
1/2	2	0,500	12,70	2,000	50,80	3,250	82,55	1,000	25,40	T7IMPS-050200xx
3/4	2	0,750	19,05	2,000	50,80	3,250	82,55	1,125	28,58	T7IMPS-075200xx
1	2	1,000	25,40	2,000	50,80	3,250	82,55	1,250	31,75	T7IMPS-100200xx
1 1/2	2	1,500	38,10	2,000	50,80	3,250	82,55	1,500	38,10	T7IMPS-150200xx

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.3-1

Aut Tube Weld: Concentric Reducer



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

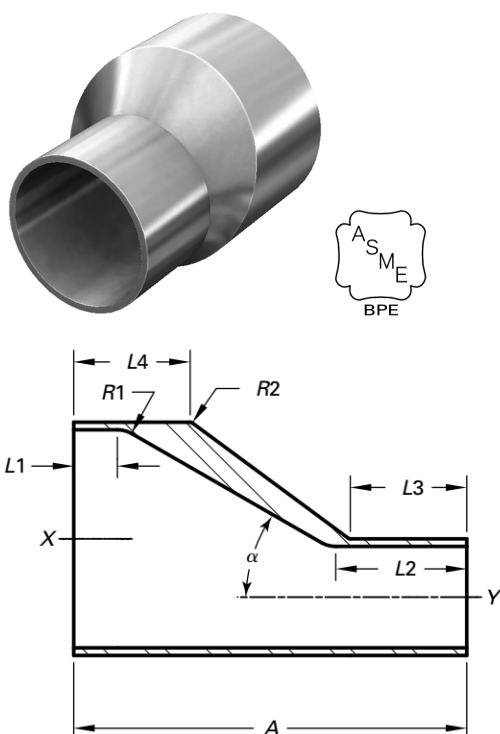
Nominal size		OD (X)		OD (Y)		A		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	1,625	41,28	2211CBB0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	1,875	47,63	2211CBB050025xx
1/2	3/8	0,500	12,70	0,375	9,53	1,875	47,63	2211CBB0500375xx
3/4	3/8	0,750	19,05	0,375	9,53	2,000	50,80	2211CBB0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	2,125	53,98	2211CBB075050xx
1	1/2	1,000	25,40	0,500	12,70	2,500	63,50	2211CBB100050xx
1	3/4	1,000	25,40	0,750	19,05	2,125	53,98	2211CBB100075xx
1 1/2	3/4	1,500	38,10	0,750	19,05	3,000	76,20	2211CBB150075xx
1 1/2	1	1,500	38,10	1,000	25,40	2,500	63,50	2211CBB150100xx
2	1	2,000	50,80	1,000	25,40	3,375	85,73	2211CBB200100xx
2	1 1/2	2,000	50,80	1,500	38,10	2,500	63,50	2211CBB200150xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	3,375	85,73	2211CBB250150xx
2 1/2	2	2,500	63,50	2,000	50,80	2,500	63,50	2211CBB250200xx
3	1 1/2	3,000	76,20	1,500	38,10	4,250	107,95	2211CBB300150xx
3	2	3,000	76,20	2,000	50,80	3,375	85,73	2211CBB300200xx
3	2 1/2	3,000	76,20	2,500	63,50	2,625	66,68	2211CBB300250xx
4	2	4,000	101,60	2,000	50,80	5,125	130,18	2211CBB400200xx
4	2 1/2	4,000	101,60	2,500	63,50	4,250	107,95	2211CBB400250xx
4	3	4,000	101,60	3,000	76,20	3,875	98,43	2211CBB400300xx
6	3	6,000	152,40	3,000	76,20	7,250	184,15	2211CBB600300xx
6	4	6,000	152,40	4,000	101,60	5,625	142,88	2211CBB600400xx

¹ XX = F1 - Mechanical polished SF1 - Ra max < 0.51 μm

XX = F4 - Electropolished SF4 - Ra max < 0.38 μ m

Table DT-4.1.3-1

Aut Tube Weld: Eccentric Reducer



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

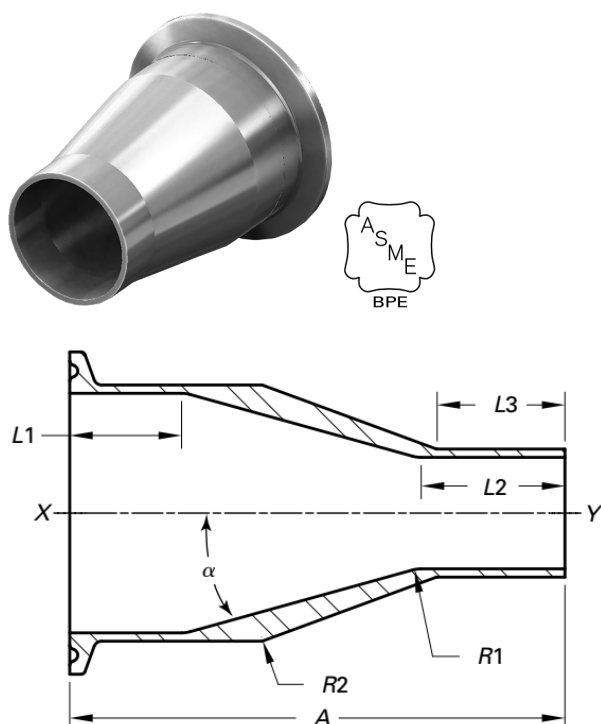
Nominal size		OD (X)		OD (Y)		A		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	1,625	41,28	2211EBB0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	1,875	47,63	2211EBB050025xx
1/2	3/8	0,500	12,70	0,375	9,53	1,875	47,63	2211EBB0500375xx
3/4	3/8	0,750	19,05	0,375	9,53	2,000	50,80	2211EBB0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	2,125	53,98	2211EBB075050xx
1	1/2	1,000	25,40	0,500	12,70	2,500	63,50	2211EBB100050xx
1	3/4	1,000	25,40	0,750	19,05	2,125	53,98	2211EBB100075xx
1 1/2	3/4	1,500	38,10	0,750	19,05	3,000	76,20	2211EBB150075xx
1 1/2	1	1,500	38,10	1,000	25,40	2,500	63,50	2211EBB150100xx
2	1	2,000	50,80	1,000	25,40	3,375	85,73	2211EBB200100xx
2	1 1/2	2,000	50,80	1,500	38,10	2,500	63,50	2211EBB200150xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	3,375	85,73	2211EBB250150xx
2 1/2	2	2,500	63,50	2,000	50,80	2,500	63,50	2211EBB250200xx
3	1 1/2	3,000	76,20	1,500	38,10	4,250	107,95	2211EBB300150xx
3	2	3,000	76,20	2,000	50,80	3,375	85,73	2211EBB300200xx
3	2 1/2	3,000	76,20	2,500	63,50	2,625	66,68	2211EBB300250xx
4	2	4,000	101,60	2,000	50,80	5,125	130,18	2211EBB400200xx
4	2 1/2	4,000	101,60	2,500	63,50	4,250	107,95	2211EBB400250xx
4	3	4,000	101,60	3,000	76,20	3,875	98,43	2211EBB400300xx
6	3	6,000	152,40	3,000	76,20	7,250	184,15	2211EBB600300xx
6	4	6,000	152,40	4,000	101,60	5,625	142,88	2211EBB600400xx

¹ XX = F1 - Mechanical polished SF1 - Ra max < 0.51 µm

XX = F4 - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.3-2

Hygienic Clamp Joint: Tube Weld Concentric Reducer



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

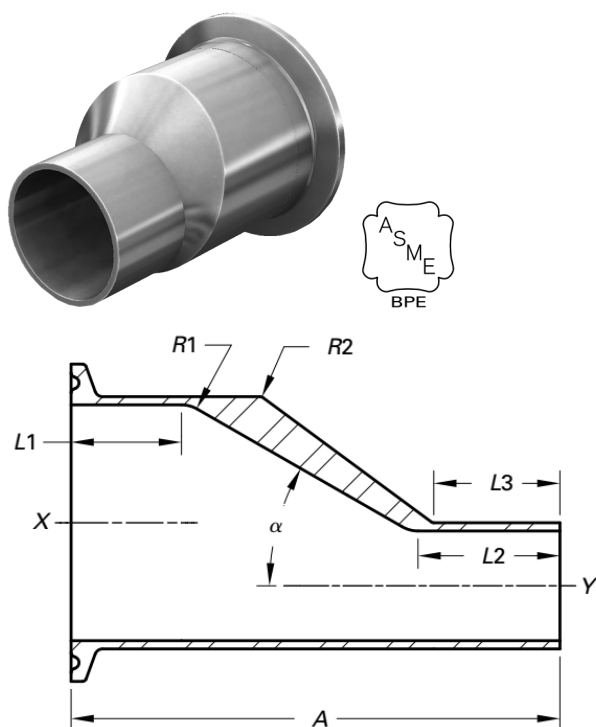
Nominal size		OD (X)		OD (Y)		A		TC (X)		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	2,125	53,98	0,984	25,00	2226CBB0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	2,375	60,33	0,984	25,00	2226CBB050025xx
1/2	3/8	0,500	12,70	0,375	9,53	2,375	60,33	0,984	25,00	2226CBB0500375xx
3/4	3/8	0,750	19,05	0,375	9,53	2,500	63,50	0,984	25,00	2226CBB0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	2,625	66,68	0,984	25,00	2226CBB075050xx
1	1/2	1,000	25,40	0,500	12,70	3,000	76,20	1,984	50,50	2226CBB100050xx
1	3/4	1,000	25,40	0,750	19,05	2,625	66,68	1,984	50,50	2226CBB100075xx
1 1/2	3/4	1,500	38,10	0,750	19,05	3,500	88,90	1,984	50,50	2226CBB150075xx
1 1/2	1	1,500	38,10	1,000	25,40	3,000	76,20	1,984	50,50	2226CBB150100xx
2	1	2,000	50,80	1,000	25,40	3,875	98,43	2,516	64,00	2226CBB200100xx
2	1 1/2	2,000	50,80	1,500	38,10	3,000	76,20	2,516	64,00	2226CBB200150xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	3,875	98,43	3,047	77,50	2226CBB250150xx
2 1/2	2	2,500	63,50	2,000	50,80	3,000	76,20	3,047	77,50	2226CBB250200xx
3	1 1/2	3,000	76,20	1,500	38,10	4,750	120,65	3,579	91,00	2226CBB300150xx
3	2	3,000	76,20	2,000	50,80	3,875	98,43	3,579	91,00	2226CBB300200xx
3	2 1/2	3,000	76,20	2,500	63,50	3,125	79,38	3,579	91,00	2226CBB300250xx
4	2	4,000	101,60	2,000	50,80	5,750	146,05	4,682	119,00	2226CBB400200xx
4	2 1/2	4,000	101,60	2,500	63,50	4,875	123,83	4,682	119,00	2226CBB400250xx
4	3	4,000	101,60	3,000	76,20	4,500	114,30	4,682	119,00	2226CBB400300xx
6	3	6,000	152,40	3,000	76,20	8,000	203,20	6,570	167,00	2226CBB600300xx
6	4	6,000	152,40	4,000	101,60	6,375	161,93	6,570	167,00	2226CBB600400xx

¹ XX = F1 - Mechanical polished SF1 - Ra max < 0.51 μm

XX = F4 - Electropolished SF4 - Ra max < 0.38 μm

Table DT-4.1.3-2

Hygienic Clamp Joint: Tube Weld Eccentric Reducer



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

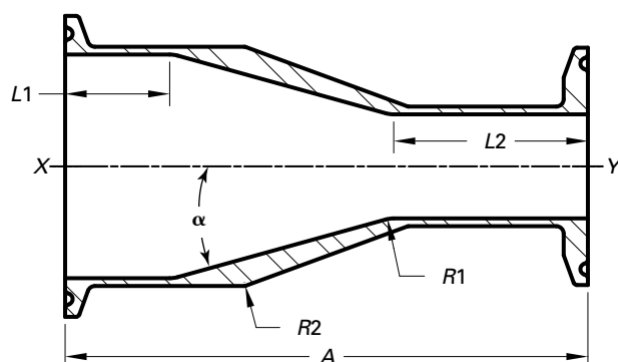
Nominal size		OD (X)		OD (Y)		A		TC (X)		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	2,125	53,98	0,984	25,00	2226EBB0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	2,375	60,33	0,984	25,00	2226EBB050025xx
1/2	3/8	0,500	12,70	0,375	9,53	2,375	60,33	0,984	25,00	2226EBB0500375xx
3/4	3/8	0,750	19,05	0,375	9,53	2,500	63,50	0,984	25,00	2226EBB0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	2,625	66,68	0,984	25,00	2226EBB075050xx
1	1/2	1,000	25,40	0,500	12,70	3,000	76,20	1,984	50,50	2226EBB100050xx
1	3/4	1,000	25,40	0,750	19,05	2,625	66,68	1,984	50,50	2226EBB100075xx
1 1/2	3/4	1,500	38,10	0,750	19,05	3,500	88,90	1,984	50,50	2226EBB150075xx
1 1/2	1	1,500	38,10	1,000	25,40	3,000	76,20	1,984	50,50	2226EBB150100xx
2	1	2,000	50,80	1,000	25,40	3,875	98,43	2,516	64,00	2226EBB200100xx
2	1 1/2	2,000	50,80	1,500	38,10	3,000	76,20	2,516	64,00	2226EBB200150xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	3,875	98,43	3,047	77,50	2226EBB250150xx
2 1/2	2	2,500	63,50	2,000	50,80	3,000	76,20	3,047	77,50	2226EBB250200xx
3	1 1/2	3,000	76,20	1,500	38,10	4,750	120,65	3,579	91,00	2226EBB300150xx
3	2	3,000	76,20	2,000	50,80	3,875	98,43	3,579	91,00	2226EBB300200xx
3	2 1/2	3,000	76,20	2,500	63,50	3,125	79,38	3,579	91,00	2226EBB300250xx
4	2	4,000	101,60	2,000	50,80	5,750	146,05	4,682	119,00	2226EBB400200xx
4	2 1/2	4,000	101,60	2,500	63,50	4,875	123,83	4,682	119,00	2226EBB400250xx
4	3	4,000	101,60	3,000	76,20	4,500	114,30	4,682	119,00	2226EBB400300xx
6	3	6,000	152,40	3,000	76,20	8,000	203,20	6,570	167,00	2226EBB600300xx
6	4	6,000	152,40	4,000	101,60	6,375	161,93	6,570	167,00	2226EBB600400xx

¹ XX = F1 - Mechanical polished SF1 - Ra max < 0.51 µm

XX = F4 - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.3-3

Hygienic Clamp Joint: Concentric Reducer



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

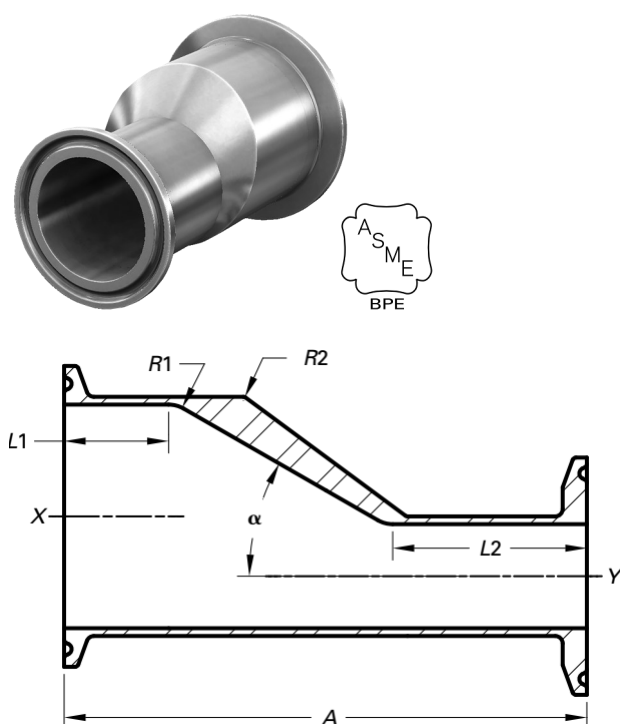
Nominal size		OD (X)		OD (Y)		A		TC (X)		TC (Y)		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	2,625	66,68	0,984	25,00	0,984	25,00	2221CBB0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	2,875	73,03	0,984	25,00	0,984	25,00	2221CBB050025xx
1/2	3/8	0,500	12,70	0,375	9,53	2,875	73,03	0,984	25,00	0,984	25,00	2221CBB0500375xx
3/4	3/8	0,750	19,05	0,375	9,53	3,000	76,20	0,984	25,00	0,984	25,00	2221CBB0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	3,125	79,38	0,984	25,00	0,984	25,00	2221CBB075050xx
1	1/2	1,000	25,40	0,500	12,70	3,500	88,90	1,984	50,50	0,984	25,00	2221CBB100050xx
1	3/4	1,000	25,40	0,750	19,05	3,125	79,38	1,984	50,50	0,984	25,00	2221CBB100075xx
1 1/2	3/4	1,500	38,10	0,750	19,05	4,000	101,60	1,984	50,50	0,984	25,00	2221CBB150075xx
1 1/2	1	1,500	38,10	1,000	25,40	3,500	88,90	1,984	50,50	1,984	50,50	2221CBB150100xx
2	1	2,000	50,80	1,000	25,40	4,375	111,13	2,516	64,00	1,984	50,50	2221CBB200100xx
2	1 1/2	2,000	50,80	1,500	38,10	3,500	88,90	2,516	64,00	1,984	50,50	2221CBB200150xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	4,375	111,13	3,047	77,50	1,984	50,50	2221CBB250150xx
2 1/2	2	2,500	63,50	2,000	50,80	3,500	88,90	3,047	77,50	2,516	64,00	2221CBB250200xx
3	1 1/2	3,000	76,20	1,500	38,10	5,250	133,35	3,579	91,00	1,984	50,50	2221CBB300150xx
3	2	3,000	76,20	2,000	50,80	4,375	111,13	3,579	91,00	2,516	64,00	2221CBB300200xx
3	2 1/2	3,000	76,20	2,500	63,50	3,625	92,08	3,579	91,00	3,047	77,50	2221CBB300250xx
4	2	4,000	101,60	2,000	50,80	6,250	158,75	4,682	119,00	2,516	64,00	2221CBB400200xx
4	2 1/2	4,000	101,60	2,500	63,50	5,375	136,53	4,682	119,00	3,047	77,50	2221CBB400250xx
4	3	4,000	101,60	3,000	76,20	5,000	127,00	4,682	119,00	3,579	91,00	2221CBB400300xx
6	3	6,000	152,40	3,000	76,20	8,500	215,90	6,570	167,00	3,579	91,00	2221CBB600300xx
6	4	6,000	152,40	4,000	101,60	7,000	177,80	6,570	167,00	4,682	119,00	2221CBB600400xx

¹ XX = F1 - Mechanical polished SF1 - Ra max < 0.51 µm

XX = F4 - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.3-3

Hygienic Clamp Joint: Eccentric Reducer



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

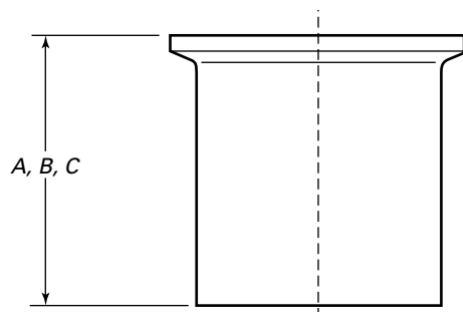
Nominal size		OD (X)		OD (Y)		A		TC (X)		TC (Y)		Part number ¹
X	Y	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
3/8	1/4	0,375	9,53	0,250	6,35	2,625	66,68	0,984	25,00	0,984	25,00	2221EBB0375025xx
1/2	1/4	0,500	12,70	0,250	6,35	2,875	73,03	0,984	25,00	0,984	25,00	2221EBB050025xx
1/2	3/8	0,500	12,70	0,375	9,53	2,875	73,03	0,984	25,00	0,984	25,00	2221EBB0500375xx
3/4	3/8	0,750	19,05	0,375	9,53	3,000	76,20	0,984	25,00	0,984	25,00	2221EBB0750375xx
3/4	1/2	0,750	19,05	0,500	12,70	3,125	79,38	0,984	25,00	0,984	25,00	2221EBB075050xx
1	1/2	1,000	25,40	0,500	12,70	3,500	88,90	1,984	50,50	0,984	25,00	2221EBB100050xx
1	3/4	1,000	25,40	0,750	19,05	3,125	79,38	1,984	50,50	0,984	25,00	2221EBB100075xx
1 1/2	3/4	1,500	38,10	0,750	19,05	4,000	101,60	1,984	50,50	0,984	25,00	2221EBB150075xx
1 1/2	1	1,500	38,10	1,000	25,40	3,500	88,90	1,984	50,50	1,984	50,50	2221EBB150100xx
2	1	2,000	50,80	1,000	25,40	4,375	111,13	2,516	64,00	1,984	50,50	2221EBB200100xx
2	1 1/2	2,000	50,80	1,500	38,10	3,500	88,90	2,516	64,00	1,984	50,50	2221EBB200150xx
2 1/2	1 1/2	2,500	63,50	1,500	38,10	4,375	111,13	3,047	77,50	1,984	50,50	2221EBB250150xx
2 1/2	2	2,500	63,50	2,000	50,80	3,500	88,90	3,047	77,50	2,516	64,00	2221EBB250200xx
3	1 1/2	3,000	76,20	1,500	38,10	5,250	133,35	3,579	91,00	1,984	50,50	2221EBB300150xx
3	2	3,000	76,20	2,000	50,80	4,375	111,13	3,579	91,00	2,516	64,00	2221EBB300200xx
3	2 1/2	3,000	76,20	2,500	63,50	3,625	92,08	3,579	91,00	3,047	77,50	2221EBB300250xx
4	2	4,000	101,60	2,000	50,80	6,250	158,75	4,682	119,00	2,516	64,00	2221EBB400200xx
4	2 1/2	4,000	101,60	2,500	63,50	5,375	136,53	4,682	119,00	3,047	77,50	2221EBB400250xx
4	3	4,000	101,60	3,000	76,20	5,000	127,00	4,682	119,00	3,579	91,00	2221EBB400300xx
6	3	6,000	152,40	3,000	76,20	8,500	215,90	6,570	167,00	3,579	91,00	2221EBB600300xx
6	4	6,000	152,40	4,000	101,60	7,000	177,80	6,570	167,00	4,682	119,00	2221EBB600400xx

¹ XX = F1 - Mechanical polished SF1 - Ra max < 0.51 µm

XX = F4 - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.4-1

Automatic Tube Weld: Ferrule type A

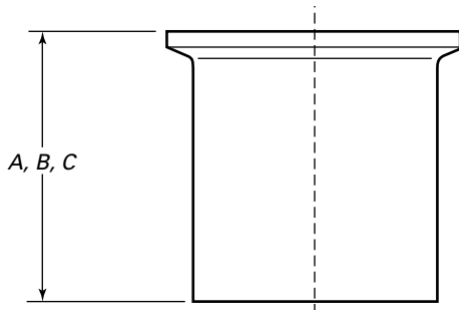


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		A		TC		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	1,750	44,45	0,984	25,00	TL14AM7-025xx
3/8	0,375	9,53	0,340	7,75	0,035	0,89	1,750	44,45	0,984	25,00	TL14AM7-0375xx
1/2	0,500	12,70	0,435	9,40	0,065	1,65	1,750	44,45	0,984	25,00	TL14AM7-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	1,750	44,45	0,984	25,00	TL14AM7-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	1,750	44,45	1,984	50,50	TL14AM7-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	1,750	44,45	1,984	50,50	TL14AM7-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	2,250	57,15	2,516	64,00	TL14AM7-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	2,250	57,15	3,047	77,50	TL14AM7-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	2,250	57,15	3,579	91,00	TL14AM7-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	2,250	57,15	4,682	119,00	TL14AM7-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	3,000	76,20	6,570	167,00	TL14AM7-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.4-1
Automatic Tube Weld: Ferrule type B


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

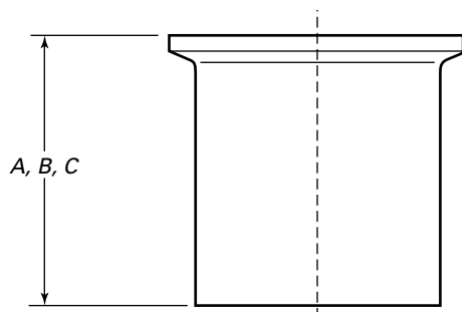
Nominal size	OD		ID		Wall thickness		B		TC		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	1,125	28,58	0,984	25,00	T14WMPL-025xx
3/8	0,375	9,53	0,340	7,75	0,035	0,89	1,125	28,58	0,984	25,00	T14WMPL-0375xx
1/2	0,500	12,70	0,435	9,40	0,065	1,65	1,125	28,58	0,984	25,00	T14WMPL-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	1,125	28,58	0,984	25,00	T14WMPL-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	1,125	28,58	1,984	50,50	T14WMPL-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	1,125	28,58	1,984	50,50	T14WMPL-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	1,125	28,58	2,516	64,00	T14WMPL-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	1,125	28,58	3,047	77,50	T14WMPL-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	1,125	28,58	3,579	91,00	T14WMPL-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	1,125	28,58	4,682	119,00	T14WMPL-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	1,500	38,10	6,570	167,00	T14WMPL-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.4-1

Automatic Tube Weld: Ferrule type C

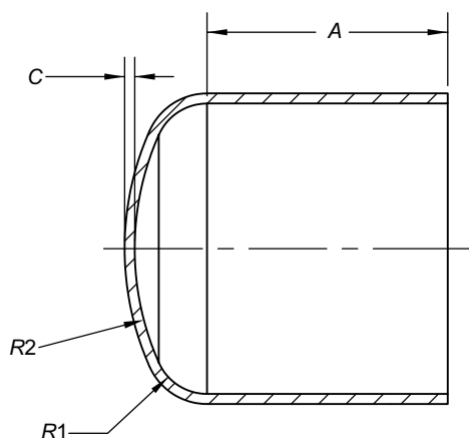


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		C		TC		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	0,500	12,70	0,984	25,00	T14WMP-025xx
3/8	0,375	9,53	0,340	7,75	0,035	0,89	0,500	12,70	0,984	25,00	T14WMP-0375xx
1/2	0,500	12,70	0,435	9,40	0,065	1,65	0,500	12,70	0,984	25,00	T14WMP-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	0,500	12,70	0,984	25,00	T14WMP-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	0,500	12,70	1,984	50,50	T14WMP-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	0,500	12,70	1,984	50,50	T14WMP-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	0,500	12,70	2,516	64,00	T14WMP-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	0,500	12,70	3,047	77,50	T14WMP-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	0,500	12,70	3,579	91,00	T14WMP-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	0,625	15,88	4,682	119,00	T14WMP-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	0,750	19,05	6,570	167,00	T14WMP-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.5-1
Automatic Tube Weld: Cap typ A


Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

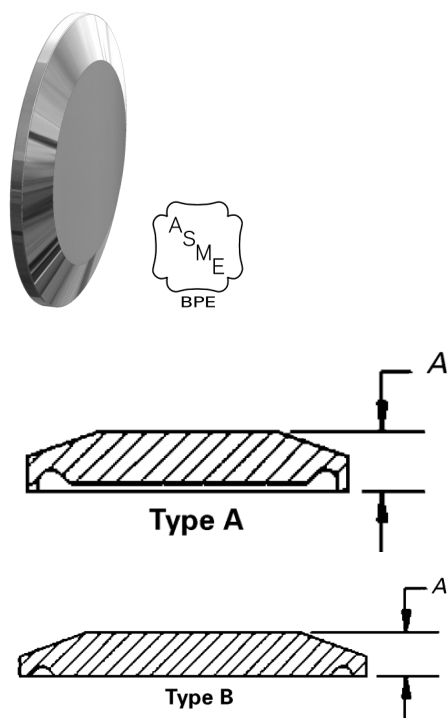
Nominal size ²	OD		ID		Wall thickness		A		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/2	0,500	12,70	0,435	9,40	0,065	1,65	1,500	38,10	T16W-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	1,500	38,10	T16W-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	1,500	38,10	T16W-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	1,500	38,10	T16W-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	1,500	38,10	T16W-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	1,500	38,10	T16W-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	1,750	44,45	T16W-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	2,000	50,80	T16W-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	2,500	63,50	T16W-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

Table DT-4.1.5-2

Hygienic Clamp Joint: Solid End Cap type A, B



Dimension	Acc. ASME BPE DT -3.1 ¼"(0.250inch x 0.035inch) to 6"(6.000inch x 0.109inch) 6.35mm x 0.89mm to 152.40mm x 2.77 mm
Material	ASTM 269/270 AISI316L EN1.4404 UNS S31603 Controlled sulphur content 0.005%-0.017% Other on request
Surface	SF1 and SF4 electro polished
Marking	Tubes and Fitting with Laser Marking Manufacturer Dixon ASME BPE Mark Material 316L Surface SF1 / SF4 Heat Number Imperial Dimension
Packaging	Each Fitting is capped,bagged and labeled in compliance with ASME BPE standard
Certificates	Each Fitting with material Certificate acc EN 10204-3.1

Nominal size	OD		ID		Wall thickness		A		TC		Part number ¹
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
1/4	0,250	6,35	0,215	4,57	0,035	0,89	0,187	4,75	0,984	25,00	T16AMP-025xx
3/8	0,375	9,53	0,340	7,75	0,035	0,89	0,187	4,75	0,984	25,00	T16AMP-0375xx
1/2	0,500	12,70	0,435	9,40	0,065	1,65	0,187	4,75	0,984	25,00	T16AMP-050XX
3/4	0,750	19,05	0,685	15,75	0,065	1,65	0,187	4,75	0,984	25,00	T16AMP-075XX
1	1,000	25,40	0,935	22,10	0,065	1,65	0,250	6,35	1,984	50,50	T16AMP-100XX
1 1/2	1,500	38,10	1,435	34,80	0,065	1,65	0,250	6,35	1,984	50,50	T16AMP-150XX
2	2,000	50,80	1,935	47,50	0,065	1,65	0,250	6,35	2,516	64,00	T16AMP-200XX
2 1/2	2,500	63,50	2,435	60,20	0,065	1,65	0,250	6,35	3,047	77,50	T16AMP-250XX
3	3,000	76,20	2,935	72,90	0,065	1,65	0,250	6,35	3,579	91,00	T16AMP-300XX
4	4,000	101,60	3,917	97,38	0,083	2,11	0,312	7,92	4,682	119,00	T16AMP-400XX
6	6,000	152,40	5,891	146,86	0,109	2,77	0,437	11,10	6,570	167,00	T16AMP-600XX

¹ XX = PL - Mechanical polished SF1 - Ra max < 0.51 µm

XX = PM - Electropolished SF4 - Ra max < 0.38 µm

² From 1/2 to 1—type A From 1 1/2 to 6 type B

Technische Angaben

Dixon Ultra High Purity Biopharm Fittings

Abmessungen

Imperial nach ASME BPE DT-3-1 1/4"(0,250 inch x 0,035 inch) bis 6" (6,000 inch x 0,109 inch) 6,35 mm x 0,89 mm bis 152,40 mm x 2,77 mm

Rohre und Bögen

nach ASME BPE , ASTM 269/270 Schwefel max 0.005 %-0.017% Rohrlänge 5900-6090 mm Orbital-schweisenden

Markierung

Dixon ASME BPE Oberflächengüte SF1 mechanisch poliert OD <0.8 micron / ID <0.5 micron SF4 mechanisch und elektropliert OD <0.8 micron / ID <0.375 micron EP Werkstoff AISI 316L/1.4404/ UNS S31603

Schmelznummer Dimension

3.1 nach DIN EN 10204 Dixon MTR COC

Dixon Qualitäts Sicherung

Sichtprüfung Endoskop Prüfung Rauheitsprotokoll

Alle Rohre und Fittings sind einzeln verpackt Endstücke sind mit farblich kodierten PE Kappen verschlossen

Blau SF1 Weiss SF4

Technical Description

Dixon Ultra High Purity Biopharm Fittings

Dimensions

Imperial acc ASME BPE DT - 3-1 1/4"(0,250 inch x 0,035 inch) to 6" (6,000 inch x 0,109 inch 6,35 mm x 0,89 mm to 152,40 mm x 2,77 mm

Tubes & Fittings

acc.to ASME BPE , ASTM 269/270 controlled sulphur content 0.005-0.017 % tubes length of 5900-6090 mm prepared for orbital welding

Marking

Dixon ASME BPE Surface SF1 mechanical polished OD <0.8 micron /ID < 0,5 micron SF4 mechanical and electropolished OD <0,8 micron/ ID <0,375micron EP Material AISI 316L / EN 1.4404 / UNS S31603

Heat number Dimension

3.1 acc DIN EN 10204 Dixon MTR COC

Dixon Quality Assurance

Visual inspection Endoscopic inspection Roughness protocol

All tubes and fittings single packed with color coded PE end caps

Blue SF1 White SF4



The Right Connection®

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ASME BPE-2024

Tubes & Fittings

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