



# WINTECH $\times$ BPE

HIGH-PURITY STAINLESS STEEL TUBING AND  
FITTINGS CRAFTED TO MOVE YOUR BUSINESS



## WELCOME TO WINTECH

If you're considering Winter Technologies for the first time, we're thrilled you're here. You're joining a decades-long family tradition of crafting high-purity stainless steel tubes and fittings. We've been fortunate enough to see our pipes deliver life-changing medicines, fuel booms in the semiconductor industry and even explore the surface of Mars.

We can't wait to help you solve your next BPE challenge.

**For returning partners and friends, welcome back. We're grateful for the opportunity to continue earning your business. A job well done has always been our best sales strategy.**

We believe ultra-clean stainless steel produced to BPE standards is as much a craft as it is a science. It's equal parts chemistry, expertise and customer service. We labor over every tube, fitting and order. Because when every product bears your family name, it means more.

**Sincerely,**

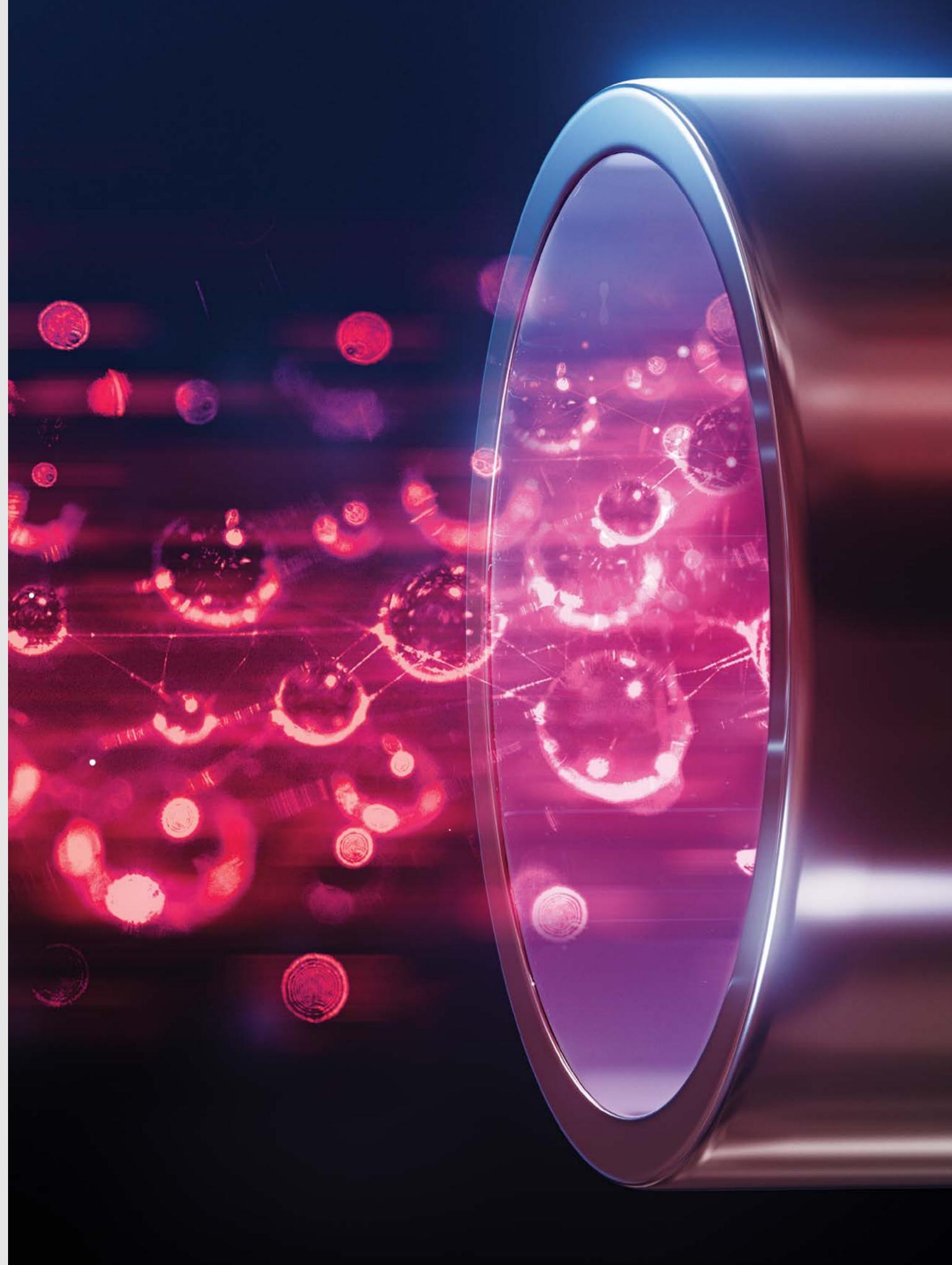
**The Winter family, on behalf of the entire WinTech team**

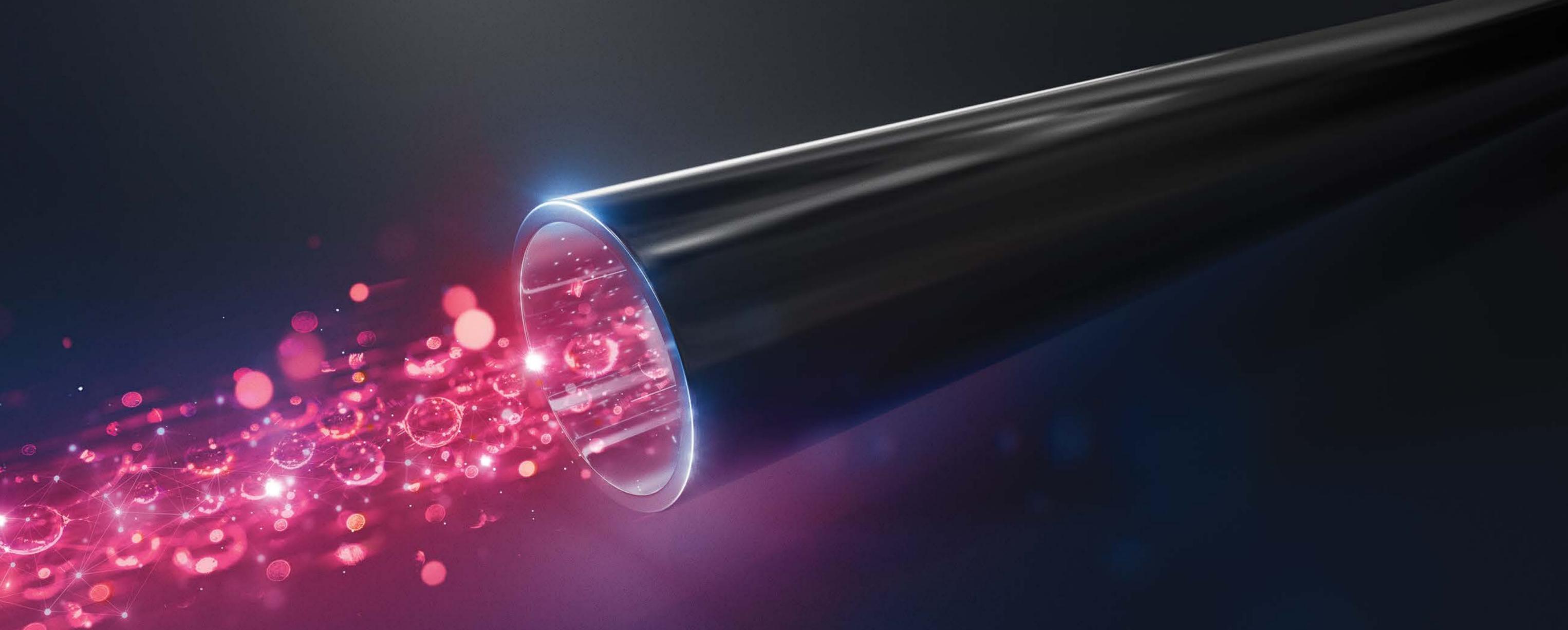
Tom Winter

Maddie Winter

Patrick Winter

Tommy Winter





CONSISTENT, SO YOU CAN  
CHANGE **EVERYTHING.**

At the end of this tube is a reaction. It's a fusion of chemistry and ideas that will move your business forward. Maybe it's even a breakthrough that will move us all.

Between here and there are plenty of important decisions and big challenges. Don't let the smallest imperfections get in the way. The team that helped shape the high-purity stainless steel industry is the same team that will craft, clean and polish the pipeline that's shaping yours.

We know where each tube goes.  
**Now let's find out where they lead.**

- 5 Inside WinTech
- 6 WinTech Expertise
- 8 Elbows
- 12 Tees + Crosses
- 24 Reducers
- 32 Tubes, Caps + Ferrules
- 36 Standards + Finishes

# EVERYTHING WE PUT IN, TO GET THE IMPURITIES OUT.

You'll find more than a flawless finish inside every WinTech tube and fitting. When we take on a project, we:

## PUT THE VALUE IN THE METAL.

As an independent company, we make decisions that are in the best interest of our customers and employees, not shareholders. In other words, we focus on what's best for the steel. Do it right. Get it right. And if it isn't, make it right.

## POLISH THE PLAN FIRST.

We inspect every detail of the project before treating a single piece of metal. With over 100 years of combined expertise and dedicated consultation, we help make sure there aren't any blemishes in our clients' plans or their pipes.

## FIND JOY IN THE CRAFT.

We love having a problem to solve. From small, everyday improvements to ideas that can change a category, we help our customers solve their manufacturing and system challenges. If a solution isn't readily available, we create one. That's how our team developed the ability to electropolish coils and remains one of the few in the industry to offer this service.

## WORK WITH THE BEST, MAKE IT BETTER.

The expectations we set for the stainless steel that leaves our doors is mirrored by our expectations of the raw materials that come in. When you source your metal with WinTech, we only work with tubing mills and partners who share our standards of quality and service.

## TREAT PEOPLE TO THE HIGHEST STANDARDS.

The BPE specifications are exacting. The finish tolerances are precise. Yet, the business of high-purity stainless steel depends on something that deserves even more care and attention than a tube or a fitting: relationships. Those we have with our clients, coworkers and partners will move more than any pipe ever can.



# CLEAN FROM START TO FINISH

WE CAN HELP DESIGN AND FABRICATE A NEW APPLICATION, OR POLISH AND REFURBISH AN EXISTING SYSTEM.



## ELECTROPOLISHING

### Smooth on a microscopic level.

A mechanically polished surface appears uniform, but isn't. Microscopic peaks and valleys create a breeding ground for contaminants, increasing the likelihood of corrosion.

Electropolishing removes as much as 90% of the surface area compared to the same part polished mechanically, leaving an ultra-clean, virtually featureless surface. The brighter, more reflective metal also offers functional advantages:

- Superior corrosion and erosion resistance, deburring and reduced product adhesion
- Improved flow characteristics
- Reduced friction, fouling, plugging, scaling and buildup
- Improved fatigue strength and materials stress relief

### Process benefits:

- Treat materials that are too fragile to be tumbled or mechanically polished
- Polish areas that are inaccessible by other methods
- Enhance cleanability, requiring less time and effort for sanitization

### COIL ELECTROPOLISHING

WinTech is one of the few companies with the capability to electropolish coils, a technology developed by the WinTech team to help:

- Provide a longer, continuous run without joints or seams
- Avoid potential impurities due to welding and other high-temperature operations

After tubing produced to BPE standards is electropolished, it is rinsed with de-ionized water, then passivated in a nitric acid solution to remove film and ensure a high-quality, chromium-enriched coating.



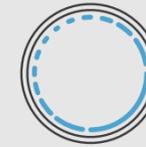
## PICKLING

### Clean without a trace of high-heat impurity.

Welding and other high-temperature operations draw chromium to the surface of stainless steel, where it oxidizes. This creates a film, called scale, and leaves the exterior metal layers with insufficient chromium, diminishing corrosion resistance.

Pickling is a cleaning process that addresses both issues, chemically de-scaling the metal while removing the thin chromium-deficient outer layer.

Pickling is often used in preparation for additional processing such as passivation or electropolishing.



## PASSIVATION

### Corrosion resistant with an invisible layer of protection.

Stainless steel passivates naturally, but production often requires accelerating that process. Machining and fabrication deposit surface contaminants such as free iron, oxide scale and rust. If left untreated, these can lead to premature deterioration and decreased performance.

Acid passivation removes impurities and facilitates formation of a thin, transparent, protective oxide coating that increases corrosion resistance.



## CLEAN FOR OXYGEN SERVICE (CFOS)

### Protected from contamination and re-contamination.

In highly-combustible, oxygen-rich environments, even the tiniest impurity can create a serious hazard. Let's make sure that what's been cleaned stays that way.



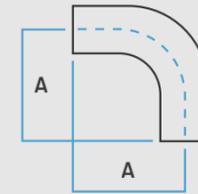
# ELBOWS

Progress isn't always a straight line.  
There will be twists and turns.  
Make them flawless.

- 9 90° Elbows
- 10 45° Elbows
- 11 88°, 92° Elbows

## ATW 90° ELBOW

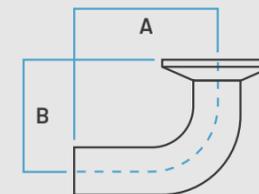
Automatic Tube Weld



PART NO.	O.D.	A - Inch (mm)
DT-07-00025	0.25"	2.625 (66.68)
DT-07-00038	0.375"	2.625 (66.68)
DT-07-00050	0.5"	3.000 (76.20)
DT-07-00075	0.75"	3.000 (76.20)
DT-07-00100	1.0"	3.000 (76.20)
DT-07-00150	1.5"	3.750 (95.25)
DT-07-00200	2.0"	4.750 (120.65)
DT-07-00250	2.5"	5.500 (139.70)
DT-07-00300	3.0"	6.250 (158.75)
DT-07-00400	4.0"	8.000 (203.20)
DT-07-00600	6.0"	11.500 (292.10)

## ATW x HCJ 90° ELBOW

Automatic Tube Weld  
x Hygienic Clamp Joint

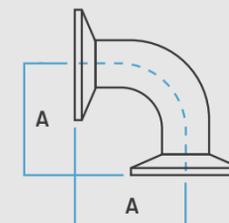


PART NO.	O.D.	A - Inch (mm)	B - Inch (mm)
DT-12-00025	0.25"	2.625 (66.68)	1.625 (41.28)
DT-12-00038	0.375"	2.625 (66.68)	1.625 (41.28)
DT-12-00050	0.5"	3.000 (76.20)	1.625 (41.28)
DT-12-00075	0.75"	3.000 (76.20)	1.625 (41.28)
DT-12-00100	1.0"	3.000 (76.20)	2.000 (50.80)
DT-12-00150	1.5"	3.750 (95.25)	2.750 (69.85)
DT-12-00200	2.0"	4.750 (120.65)	3.500 (88.90)
DT-12-00250	2.5"	5.500 (139.70)	4.250 (107.95)
DT-12-00300	3.0"	6.250 (158.75)	5.000 (127.00)
DT-12-00400	4.0"	8.000 (203.20)	6.625 (168.28)
DT-12-00600	6.0"	11.500 (292.10)	10.500 (266.70)

Also available in 88° and 92° upon request.

## HCJ 90° ELBOW

Hygienic Clamp Joint

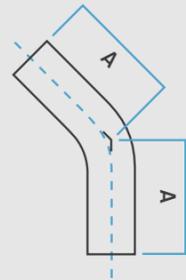


PART NO.	O.D.	A - Inch (mm)
DT-16-0025	0.25"	1.625 (41.28)
DT-16-0038	0.375"	1.625 (41.28)
DT-16-0050	0.5"	1.625 (41.28)
DT-16-0075	0.75"	1.625 (41.28)
DT-16-0100	1.0"	2.000 (50.80)
DT-16-0150	1.5"	2.750 (69.85)
DT-16-0200	2.0"	3.500 (88.90)
DT-16-0250	2.5"	4.250 (107.95)
DT-16-0300	3.0"	5.000 (127.00)
DT-16-0400	4.0"	6.625 (168.28)
DT-16-0600	6.0"	10.500 (266.70)

Also available in 88° and 92° upon request.

### ATW 45° ELBOW

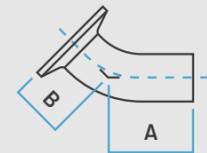
Automatic Tube Weld



PART NO.	O.D.	A-Inch (mm)
DT-08-00025	0.25"	2.000 (50.80)
DT-08-00038	0.375"	2.000 (50.80)
DT-08-00050	0.5"	2.250 (57.15)
DT-08-00075	0.75"	2.250 (57.15)
DT-08-00100	1.0"	2.250 (57.15)
DT-08-00150	1.5"	2.500 (63.50)
DT-08-00200	2.0"	3.000 (76.20)
DT-08-00250	2.5"	3.375 (85.73)
DT-08-00300	3.0"	3.625 (92.08)
DT-08-00400	4.0"	4.500 (114.30)
DT-08-00600	6.0"	6.250 (158.75)

### ATW x HCJ 45° ELBOW

Automatic Tube Weld  
x Hygienic Clamp Joint



PART NO.	O.D.	A-Inch (mm)	B-Inch (mm)
DT-13-00025	0.25"	2.000 (50.80)	1.000 (25.40)
DT-13-00038	0.375"	2.000 (50.80)	1.000 (25.40)
DT-13-00050	0.5"	2.250 (57.15)	1.000 (25.40)
DT-13-00075	0.75"	2.250 (57.15)	1.000 (25.40)
DT-13-00100	1.0"	2.250 (57.15)	1.125 (28.58)
DT-13-00150	1.5"	2.500 (63.50)	1.438 (36.53)
DT-13-00200	2.0"	3.000 (76.20)	1.750 (44.45)
DT-13-00250	2.5"	3.375 (85.73)	2.063 (52.40)
DT-13-00300	3.0"	3.625 (92.08)	2.375 (60.33)
DT-13-00400	4.0"	4.500 (114.30)	3.125 (79.38)
DT-13-00600	6.0"	6.250 (158.75)	5.250 (133.35)

### HCJ 45° ELBOW

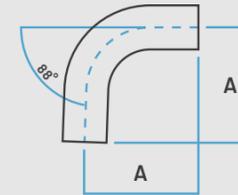
Hygienic Clamp Joint



PART NO.	O.D.	A-Inch (mm)
DT-17-0025	0.25"	1.000 (25.40)
DT-17-0038	0.375"	1.000 (25.40)
DT-17-0050	0.50"	1.000 (25.40)
DT-17-0075	0.75"	1.000 (25.40)
DT-17-0100	1.0"	1.125 (28.58)
DT-17-0150	1.5"	1.438 (36.53)
DT-17-0200	2.0"	1.750 (44.45)
DT-17-0250	2.5"	2.063 (52.40)
DT-17-0300	3.0"	2.375 (60.33)
DT-17-0400	4.0"	3.125 (79.38)
DT-17-0600	6.0"	5.250 (133.35)

### ATW 88° ELBOW

Automatic Tube Weld

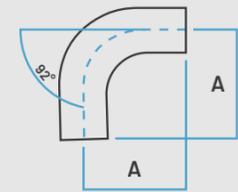


PART NO.	O.D.	A-Inch (mm)
DT-07-00025-88	0.25"	2.700 (68.58)
DT-07-00038-88	0.375"	2.700 (68.58)
DT-07-00050-88	0.5"	3.065 (77.85)
DT-07-00075-88	0.75"	3.065 (77.85)
DT-07-00100-88	1.0"	3.050 (77.47)
DT-07-00150-88	1.5"	3.800 (96.52)
DT-07-00200-88	2.0"	4.810 (122.17)
DT-07-00250-88	2.5"	5.560 (141.22)
DT-07-00300-88	3.0"	6.310 (160.27)
DT-07-00400-88	4.0"	8.065 (204.85)
DT-07-00600-88	6.0"	11.580 (294.13)

Also available in ATW x HCJ, and HCJ upon request.

### ATW 92° ELBOW

Automatic Tube Weld



PART NO.	O.D.	A-Inch (mm)
DT-07-00025-92	0.25"	2.530 (64.26)
DT-07-00038-92	0.375"	2.530 (64.26)
DT-07-00050-92	0.5"	2.930 (74.42)
DT-07-00075-92	0.75"	2.930 (74.42)
DT-07-00100-92	1.0"	2.950 (74.93)
DT-07-00150-92	1.5"	3.690 (93.73)
DT-07-00200-92	2.0"	4.690 (119.13)
DT-07-00250-92	2.5"	5.440 (138.18)
DT-07-00300-92	3.0"	6.190 (157.23)
DT-07-00400-92	4.0"	7.930 (201.42)
DT-07-00600-92	6.0"	11.410 (289.81)

Also available in ATW x HCJ, and HCJ upon request.

# TEES + CROSSES

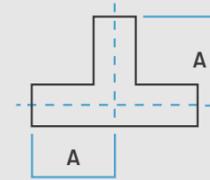
When the best direction for your business is multiple directions at once, we'll help you keep each path clean and clear.

- 13 Equal Tees
- 14 Short + Long Outlet Tees
- 16 Reducing Tees
- 21 Crosses



## ATW EQUAL TEE

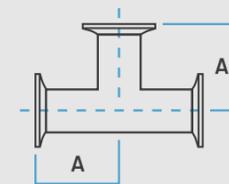
Automatic Tube Weld



PART NO.	O.D.	A-Inch (mm)
DT-09-T-00025	0.25"	1.750 (44.45)
DT-09-T-00038	0.375"	1.750 (44.45)
DT-09-T-00050	0.5"	1.875 (47.63)
DT-09-T-00075	0.75"	2.000 (50.80)
DT-09-T-00100	1.0"	2.125 (54.98)
DT-09-T-00150	1.5"	2.375 (60.33)
DT-09-T-00200	2.0"	2.875 (73.03)
DT-09-T-00250	2.5"	3.125 (79.38)
DT-09-T-00300	3.0"	3.375 (85.73)
DT-09-T-00400	4.0"	4.125 (104.78)
DT-09-T-00600	6.0"	5.625 (142.88)

## HCJ EQUAL TEE

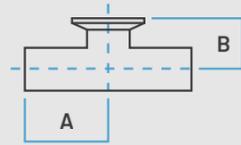
Hygienic Clamp Joint



PART NO.	O.D.	A-Inch (mm)
DT-18-T-0025	0.25"	2.250 (57.15)
DT-18-T-0038	0.375"	2.250 (57.15)
DT-18-T-0050	0.5"	2.375 (60.33)
DT-18-T-0075	0.75"	2.500 (63.50)
DT-18-T-0100	1.0"	2.625 (66.68)
DT-18-T-0150	1.5"	2.875 (73.03)
DT-18-T-0200	2.0"	3.375 (85.73)
DT-18-T-0250	2.5"	3.625 (92.08)
DT-18-T-0300	3.0"	3.875 (98.43)
DT-18-T-0400	4.0"	4.750 (120.65)
DT-18-T-0600	6.0"	7.125 (180.98)

### ATW x HCJ SHORT OUTLET TEE

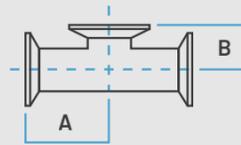
Automatic Tube Weld  
x Hygienic Clamp Joint



PART NO.	O.D.	A-Inch (mm)	B-Inch (mm)
DT-15-00025	0.25"	1.750 (44.45)	1.000 (25.40)
DT-15-00038	0.375"	1.750 (44.45)	1.000 (25.40)
DT-15-00050	0.5"	1.875 (47.63)	1.000 (25.40)
DT-15-00075	0.75"	2.000 (50.80)	1.125 (28.58)
DT-15-00100	1.0"	2.125 (53.98)	1.125 (28.58)
DT-15-00150	1.5"	2.375 (60.33)	1.375 (34.93)
DT-15-00200	2.0"	2.875 (73.03)	1.625 (41.28)
DT-15-00250	2.5"	3.125 (79.38)	1.875 (47.63)
DT-15-00300	3.0"	3.375 (85.73)	2.125 (53.98)
DT-15-00400	4.0"	4.125 (104.78)	2.750 (69.85)
DT-15-00600	6.0"	5.625 (142.88)	4.625 (117.48)

### HCJ SHORT OUTLET TEE

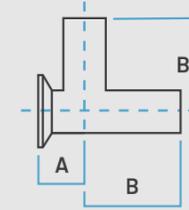
Hygienic Clamp Joint



PART NO.	O.D.	A-Inch (mm)	B-Inch (mm)
DT-27-0050	0.5"	2.375 (60.33)	1.000 (25.40)
DT-27-0075	0.75"	2.500 (63.50)	1.125 (28.58)
DT-27-0100	1.0"	2.625 (66.68)	1.125 (28.58)
DT-27-0150	1.5"	2.875 (73.03)	1.375 (34.93)
DT-27-0200	2.0"	3.375 (85.73)	1.625 (41.28)
DT-27-0250	2.5"	3.625 (92.08)	1.875 (47.63)
DT-27-0300	3.0"	3.875 (98.43)	2.125 (53.98)
DT-27-0400	4.0"	4.750 (120.65)	2.750 (69.85)
DT-27-0600	6.0"	7.125 (180.98)	4.625 (117.48)

### ATW x HCJ SHORT OUTLET RUN TEE

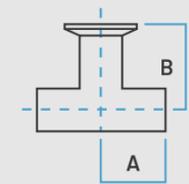
Automatic Tube Weld  
x Hygienic Clamp Joint



PART NO.	O.D.	A-Inch (mm)	B-Inch (mm)
DT-25-00025	0.25"	0.875 (22.23)	1.750 (44.45)
DT-25-00038	0.375"	0.875 (22.23)	1.750 (44.45)
DT-25-00050	0.5"	0.875 (22.23)	1.875 (47.63)
DT-25-00075	0.75"	1.000 (25.40)	2.000 (50.80)
DT-25-00100	1.0"	1.125 (28.58)	2.125 (53.98)
DT-25-00150	1.5"	1.375 (34.93)	2.875 (73.03)
DT-25-00200	2.0"	1.625 (41.28)	2.375 (73.03)
DT-25-00250	2.5"	1.875 (47.63)	3.125 (79.38)
DT-25-00300	3.0"	2.125 (53.98)	3.375 (85.73)
DT-25-00400	4.0"	2.750 (69.85)	4.125 (104.78)
DT-25-00600	6.0"	4.625 (117.48)	5.625 (142.88)

### ATW x HCJ LONG OUTLET TEE

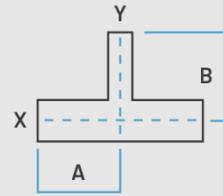
Automatic Tube Weld  
x Hygienic Clamp Joint



PART NO.	O.D.	A-Inch (mm)	B-Inch (mm)
DT-15-LO-00025	0.25"	1.750 (44.45)	2.250 (57.15)
DT-15-LO-00038	0.375"	1.750 (44.45)	2.250 (57.15)
DT-15-LO-00050	0.5"	1.875 (47.63)	2.375 (60.33)
DT-15-LO-00075	0.75"	2.000 (50.80)	2.500 (63.50)
DT-15-LO-00100	1.0"	2.125 (53.98)	2.625 (66.68)
DT-15-LO-00150	1.5"	2.375 (60.33)	2.875 (73.03)
DT-15-LO-00200	2.0"	2.875 (73.03)	3.375 (85.73)
DT-15-LO-00250	2.5"	3.125 (79.38)	3.625 (92.08)
DT-15-LO-00300	3.0"	3.375 (85.73)	3.875 (98.43)
DT-15-LO-00400	4.0"	4.125 (104.78)	4.750 (120.65)
DT-15-LO-00600	6.0"	5.625 (142.88)	7.125 (180.98)

### ATW REDUCING TEE

Automatic Tube Weld

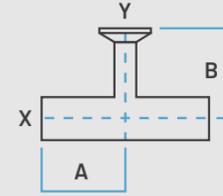


PART NO.	O.D. X	O.D. Y	A-Inch (mm)	B-Inch (mm)
DT-10-03825	0.375"	0.25"	1.750 (44.45)	1.750 (44.45)
DT-10-05025	0.5"	0.25"	1.875 (47.63)	1.875 (47.63)
DT-10-05038	0.5"	0.375"	1.875 (47.63)	1.875 (47.63)
DT-10-07525	0.75"	0.25"	2.000 (50.80)	2.000 (50.80)
DT-10-07538	0.75"	0.375"	2.000 (50.80)	2.000 (50.80)
DT-10-07550	0.75"	0.5"	2.000 (50.80)	2.000 (50.80)
DT-10-01025	1.0"	0.25"	2.125 (53.98)	2.125 (53.98)
DT-10-01038	1.0"	0.375"	2.125 (53.98)	2.125 (53.98)
DT-10-01050	1.0"	0.5"	2.125 (53.98)	2.125 (53.98)
DT-10-01075	1.0"	0.75"	2.125 (53.98)	2.125 (53.98)
DT-10-01550	1.5"	0.5"	2.375 (60.33)	2.375 (60.33)
DT-10-01575	1.5"	0.75"	2.375 (60.33)	2.375 (60.33)
DT-10-01510	1.5"	1.0"	2.375 (60.33)	2.375 (60.33)
DT-10-02050	2.0"	0.5"	2.875 (73.03)	2.625 (66.68)
DT-10-02075	2.0"	0.75"	2.875 (73.03)	2.625 (66.68)
DT-10-02010	2.0"	1.0"	2.875 (73.03)	2.625 (66.68)
DT-10-02015	2.0"	1.5"	2.875 (73.03)	2.625 (66.68)
DT-10-02550	2.5"	0.5"	3.125 (79.38)	2.875 (73.03)
DT-10-02575	2.5"	0.75"	3.125 (79.38)	2.875 (73.03)
DT-10-02510	2.5"	1.0"	3.125 (79.38)	2.875 (73.03)
DT-10-02515	2.5"	1.5"	3.125 (79.38)	2.875 (73.03)
DT-10-02520	2.5"	2.0"	3.125 (79.38)	2.875 (73.03)
DT-10-03050	3.0"	0.5"	3.375 (85.73)	3.125 (79.38)
DT-10-03075	3.0"	0.75"	3.375 (85.73)	3.125 (79.38)
DT-10-03010	3.0"	1.0"	3.375 (85.73)	3.125 (79.38)
DT-10-03015	3.0"	1.5"	3.375 (85.73)	3.125 (79.38)
DT-10-03020	3.0"	2.0"	3.375 (85.73)	3.125 (79.38)
DT-10-03025	3.0"	2.5"	3.375 (85.73)	3.125 (79.38)
DT-10-04050	4.0"	0.5"	4.125 (104.78)	3.625 (92.08)
DT-10-04075	4.0"	0.75"	4.125 (104.78)	3.625 (92.08)
DT-10-04010	4.0"	1.0"	4.125 (104.78)	3.625 (92.08)
DT-10-04015	4.0"	1.5"	4.125 (104.78)	3.625 (92.08)
DT-10-04020	4.0"	2.0"	4.125 (104.78)	3.875 (98.43)
DT-10-04025	4.0"	2.5"	4.125 (104.78)	3.875 (98.43)
DT-10-04030	4.0"	3.0"	4.125 (104.78)	3.875 (98.43)
DT-10-06020	6.0"	2.0"	5.625 (142.88)	4.875 (123.83)
DT-10-06025	6.0"	2.5"	5.625 (142.88)	4.875 (123.83)
DT-10-06030	6.0"	3.0"	5.625 (142.88)	4.875 (123.83)
DT-10-06040	6.0"	4.0"	5.625 (142.88)	5.125 (130.18)

Additional sizes available upon request.

### ATW x HCJ LONG OUTLET REDUCING TEE

Automatic Tube Weld  
x Hygienic Clamp Joint

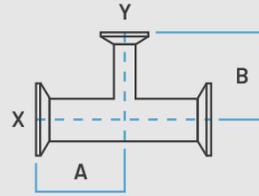


PART NO.	O.D. X	O.D. Y	A-Inch (mm)	B-Inch (mm)
DT-14-LO-03825	0.375"	0.25"	1.750 (44.45)	2.250 (57.15)
DT-14-LO-05025	0.5"	0.25"	1.875 (47.63)	2.375 (60.33)
DT-14-LO-05038	0.5"	0.375"	1.875 (47.63)	2.375 (60.33)
DT-14-LO-07525	0.75"	0.25"	2.000 (50.80)	2.500 (63.50)
DT-14-LO-07538	0.75"	0.375"	2.000 (50.80)	2.500 (63.50)
DT-14-LO-07550	0.75"	0.5"	2.000 (50.80)	2.500 (63.50)
DT-14-LO-01025	1.0"	0.25"	2.125 (53.98)	2.625 (66.68)
DT-14-LO-01038	1.0"	0.375"	2.125 (53.98)	2.625 (66.68)
DT-14-LO-01050	1.0"	0.5"	2.125 (53.98)	2.625 (66.68)
DT-14-LO-01075	1.0"	0.75"	2.125 (53.98)	2.625 (66.68)
DT-14-LO-01550	1.5"	0.5"	2.375 (60.33)	2.875 (73.03)
DT-14-LO-01575	1.5"	0.75"	2.375 (60.33)	2.875 (73.03)
DT-14-LO-01510	1.5"	1.0"	2.375 (60.33)	2.875 (73.03)
DT-14-LO-02050	2.0"	0.5"	2.875 (73.03)	3.125 (79.38)
DT-14-LO-02075	2.0"	0.75"	2.875 (73.03)	3.125 (79.38)
DT-14-LO-02010	2.0"	1.0"	2.875 (73.03)	3.125 (79.38)
DT-14-LO-02015	2.0"	1.5"	2.875 (73.03)	3.125 (79.38)
DT-14-LO-02550	2.5"	0.5"	3.125 (79.38)	3.375 (85.73)
DT-14-LO-02575	2.5"	0.75"	3.125 (79.38)	3.375 (85.73)
DT-14-LO-02510	2.5"	1.0"	3.125 (79.38)	3.375 (85.73)
DT-14-LO-02515	2.5"	1.5"	3.125 (79.38)	3.375 (85.73)
DT-14-LO-02520	2.5"	2.0"	3.125 (79.38)	3.375 (85.73)
DT-14-LO-03050	3.0"	0.5"	3.375 (85.73)	3.625 (92.08)
DT-14-LO-03075	3.0"	0.75"	3.375 (85.73)	3.625 (92.08)
DT-14-LO-03010	3.0"	1.0"	3.375 (85.73)	3.625 (92.08)
DT-14-LO-03015	3.0"	1.5"	3.375 (85.73)	3.625 (92.08)
DT-14-LO-03020	3.0"	2.0"	3.375 (85.73)	3.625 (92.08)
DT-14-LO-03025	3.0"	2.5"	3.375 (85.73)	3.625 (92.08)
DT-14-LO-04050	4.0"	0.5"	4.125 (104.78)	4.125 (104.78)
DT-14-LO-04075	4.0"	0.75"	4.125 (104.78)	4.125 (104.78)
DT-14-LO-04010	4.0"	1.0"	4.125 (104.78)	4.125 (104.78)
DT-14-LO-04015	4.0"	1.5"	4.125 (104.78)	4.125 (104.78)
DT-14-LO-04020	4.0"	2.0"	4.125 (104.78)	4.375 (111.13)
DT-14-LO-04025	4.0"	2.5"	4.125 (104.78)	4.375 (111.13)
DT-14-LO-04030	4.0"	3.0"	4.125 (104.78)	4.375 (111.13)
DT-14-LO-06020	6.0"	2.0"	5.625 (142.88)	5.375 (136.53)
DT-14-LO-06025	6.0"	2.5"	5.625 (142.88)	5.375 (136.53)
DT-14-LO-06030	6.0"	3.0"	5.625 (142.88)	5.375 (136.53)
DT-14-LO-06040	6.0"	4.0"	5.625 (142.88)	5.750 (146.05)

Additional sizes available upon request.

### HCJ REDUCING TEE

Hygienic Clamp Joint

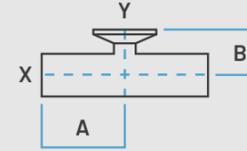


PART NO.	O.D. X	O.D. Y	A-Inch (mm)	B-Inch (mm)
DT-19-R-03825	0.375"	0.25"	2.250 (57.15)	2.250 (57.15)
DT-19-R-05025	0.5"	0.25"	2.375 (60.33)	2.375 (60.33)
DT-19-R-05038	0.5"	0.375"	2.375 (60.33)	2.375 (60.33)
DT-19-R-07525	0.75"	0.25"	2.500 (63.50)	2.500 (63.50)
DT-19-R-07538	0.75"	0.375"	2.500 (63.50)	2.500 (63.50)
DT-19-R-07550	0.75"	0.5"	2.500 (63.50)	2.500 (63.50)
DT-19-R-01025	1.0"	0.25"	2.625 (66.68)	2.625 (66.68)
DT-19-R-01038	1.0"	0.375"	2.625 (66.68)	2.625 (66.68)
DT-19-R-01050	1.0"	0.5"	2.625 (66.68)	2.625 (66.68)
DT-19-R-01075	1.0"	0.75"	2.625 (66.68)	2.625 (66.68)
DT-19-R-01550	1.5"	0.5"	2.875 (73.03)	2.875 (73.03)
DT-19-R-01575	1.5"	0.75"	2.875 (73.03)	2.875 (73.03)
DT-19-R-01510	1.5"	1.0"	2.875 (73.03)	2.875 (73.03)
DT-19-R-02050	2.0"	0.5"	3.375 (85.73)	3.125 (79.38)
DT-19-R-02075	2.0"	0.75"	3.375 (85.73)	3.125 (79.38)
DT-19-R-02010	2.0"	1.0"	3.375 (85.73)	3.125 (79.38)
DT-19-R-02015	2.0"	1.5"	3.375 (85.73)	3.125 (79.38)
DT-19-R-02550	2.5"	0.5"	3.625 (92.08)	3.375 (85.73)
DT-19-R-02575	2.5"	0.75"	3.625 (92.08)	3.375 (85.73)
DT-19-R-02510	2.5"	1.0"	3.625 (92.08)	3.375 (85.73)
DT-19-R-02515	2.5"	1.5"	3.625 (92.08)	3.375 (85.73)
DT-19-R-02520	2.5"	2.0"	3.625 (92.08)	3.375 (85.73)
DT-19-R-03050	3.0"	0.5"	3.875 (98.43)	3.625 (92.08)
DT-19-R-03075	3.0"	0.75"	3.875 (98.43)	3.625 (92.08)
DT-19-R-03010	3.0"	1.0"	3.875 (98.43)	3.625 (92.08)
DT-19-R-03015	3.0"	1.5"	3.875 (98.43)	3.625 (92.08)
DT-19-R-03020	3.0"	2.0"	3.875 (98.43)	3.625 (92.08)
DT-19-R-03025	3.0"	2.5"	3.875 (98.43)	3.625 (92.08)
DT-19-R-04050	4.0"	0.5"	4.750 (120.65)	4.125 (104.78)
DT-19-R-04075	4.0"	0.75"	4.750 (120.65)	4.125 (104.78)
DT-19-R-04010	4.0"	1.0"	4.750 (120.65)	4.125 (104.78)
DT-19-R-04015	4.0"	1.5"	4.750 (120.65)	4.125 (104.78)
DT-19-R-04020	4.0"	2.0"	4.750 (120.65)	4.375 (111.13)
DT-19-R-04025	4.0"	2.5"	4.750 (120.65)	4.375 (111.13)
DT-19-R-04030	4.0"	3.0"	4.750 (120.65)	4.375 (111.13)
DT-19-R-06020	6.0"	2.0"	7.125 (180.98)	5.375 (136.53)
DT-19-R-06025	6.0"	2.5"	7.125 (180.98)	5.375 (136.53)
DT-19-R-06030	6.0"	3.0"	7.125 (180.98)	5.375 (136.53)
DT-19-R-06040	6.0"	4.0"	7.125 (180.98)	5.750 (146.05)

Additional sizes available upon request.

### ATW x HCJ SHORT OUTLET REDUCING TEE

Automatic Tube Weld  
x Hygienic Clamp Joint

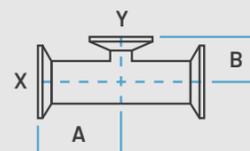


PART NO.	O.D. X	O.D. Y	A-Inch (mm)	B-Inch (mm)
DT-14-03825	0.375"	0.25"	1.750 (44.45)	1.000 (25.40)
DT-14-05025	0.5"	0.25"	1.875 (47.63)	1.000 (25.40)
DT-14-05038	0.5"	0.375"	1.875 (47.63)	1.000 (25.40)
DT-14-07525	0.75"	0.25"	2.000 (50.80)	1.000 (25.40)
DT-14-07538	0.75"	0.375"	2.000 (50.80)	1.000 (25.40)
DT-14-07550	0.75"	0.5"	2.000 (50.80)	1.000 (25.40)
DT-14-01025	1.0"	0.25"	2.125 (53.98)	1.125 (28.58)
DT-14-01038	1.0"	0.375"	2.125 (53.98)	1.125 (28.58)
DT-14-01050	1.0"	0.5"	2.125 (53.98)	1.125 (28.58)
DT-14-01075	1.0"	0.75"	2.125 (53.98)	1.125 (28.58)
DT-14-01550	1.5"	0.5"	2.375 (60.33)	1.375 (34.93)
DT-14-01575	1.5"	0.75"	2.375 (60.33)	1.375 (34.93)
DT-14-01510	1.5"	1.0"	2.375 (60.33)	1.375 (34.93)
DT-14-02050	2.0"	0.5"	2.875 (73.03)	1.625 (41.28)
DT-14-02075	2.0"	0.75"	2.875 (73.03)	1.625 (41.28)
DT-14-02010	2.0"	1.0"	2.875 (73.03)	1.625 (41.28)
DT-14-02015	2.0"	1.5"	2.875 (73.03)	1.625 (41.28)
DT-14-02550	2.5"	0.5"	3.125 (79.38)	1.875 (47.63)
DT-14-02575	2.5"	0.75"	3.125 (79.38)	1.875 (47.63)
DT-14-02510	2.5"	1.0"	3.125 (79.38)	1.875 (47.63)
DT-14-02515	2.5"	1.5"	3.125 (79.38)	1.875 (47.63)
DT-14-02520	2.5"	2.0"	3.125 (79.38)	1.875 (47.63)
DT-14-03050	3.0"	0.5"	3.375 (85.73)	2.125 (53.98)
DT-14-03075	3.0"	0.75"	3.375 (85.73)	2.125 (53.98)
DT-14-03010	3.0"	1.0"	3.375 (85.73)	2.125 (53.98)
DT-14-03015	3.0"	1.5"	3.375 (85.73)	2.125 (53.98)
DT-14-03020	3.0"	2.0"	3.375 (85.73)	2.125 (53.98)
DT-14-03025	3.0"	2.5"	3.375 (85.73)	2.125 (53.98)
DT-14-04050	4.0"	0.5"	4.125 (104.78)	2.625 (66.68)
DT-14-04075	4.0"	0.75"	4.125 (104.78)	2.625 (66.68)
DT-14-04010	4.0"	1.0"	4.125 (104.78)	2.625 (66.68)
DT-14-04015	4.0"	1.5"	4.125 (104.78)	2.625 (66.68)
DT-14-04020	4.0"	2.0"	4.125 (104.78)	2.625 (66.68)
DT-14-04025	4.0"	2.5"	4.125 (104.78)	2.625 (66.68)
DT-14-04030	4.0"	3.0"	4.125 (104.78)	2.625 (66.68)
DT-14-06020	6.0"	2.0"	5.625 (142.88)	3.625 (92.08)
DT-14-06025	6.0"	2.5"	5.625 (142.88)	3.625 (92.08)
DT-14-06030	6.0"	3.0"	5.625 (142.88)	3.625 (92.08)
DT-14-06040	6.0"	4.0"	5.625 (142.88)	3.750 (95.25)

Additional sizes available upon request.

### HCJ SHORT OUTLET REDUCING TEE

Hygienic Clamp Joint

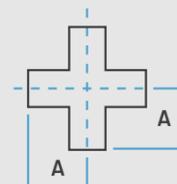


PART NO.	O.D. X	O.D. Y	A-Inch (mm)	B-Inch (mm)
DT-20-03825	0.375"	0.25"	2.250 (57.15)	1.000 (25.40)
DT-20-05025	0.5"	0.25"	2.375 (60.33)	1.000 (25.40)
DT-20-05038	0.5"	0.375"	2.375 (60.33)	1.000 (25.40)
DT-20-07525	0.75"	0.25"	2.500 (63.50)	1.000 (25.40)
DT-20-07538	0.75"	0.375"	2.500 (63.50)	1.000 (25.40)
DT-20-07550	0.75"	0.5"	2.500 (63.50)	1.000 (25.40)
DT-20-01025	1.0"	0.25"	2.625 (66.68)	1.125 (28.58)
DT-20-01038	1.0"	0.375"	2.625 (66.68)	1.125 (28.58)
DT-20-01050	1.0"	0.5"	2.625 (66.68)	1.125 (28.58)
DT-20-01075	1.0"	0.75"	2.625 (66.68)	1.125 (28.58)
DT-20-01550	1.5"	0.5"	2.875 (73.03)	1.375 (34.93)
DT-20-01575	1.5"	0.75"	2.875 (73.03)	1.375 (34.93)
DT-20-01510	1.5"	1.0"	2.875 (73.03)	1.375 (34.93)
DT-20-02050	2.0"	0.5"	3.375 (85.73)	1.625 (41.28)
DT-20-02075	2.0"	0.75"	3.375 (85.73)	1.625 (41.28)
DT-20-02010	2.0"	1.0"	3.375 (85.73)	1.625 (41.28)
DT-20-02015	2.0"	1.5"	3.375 (85.73)	1.625 (41.28)
DT-20-02550	2.5"	0.5"	3.625 (92.08)	1.875 (47.63)
DT-20-02575	2.5"	0.75"	3.625 (92.08)	1.875 (47.63)
DT-20-02510	2.5"	1.0"	3.625 (92.08)	1.875 (47.63)
DT-20-02515	2.5"	1.5"	3.625 (92.08)	1.875 (47.63)
DT-20-02520	2.5"	2.0"	3.625 (92.08)	1.875 (47.63)
DT-20-03050	3.0"	0.5"	3.875 (98.43)	2.125 (53.98)
DT-20-03075	3.0"	0.75"	3.875 (98.43)	2.125 (53.98)
DT-20-03010	3.0"	1.0"	3.875 (98.43)	2.125 (53.98)
DT-20-03015	3.0"	1.5"	3.875 (98.43)	2.125 (53.98)
DT-20-03020	3.0"	2.0"	3.875 (98.43)	2.125 (53.98)
DT-20-03025	3.0"	2.5"	3.875 (98.43)	2.125 (53.98)
DT-20-04050	4.0"	0.5"	4.750 (120.65)	2.625 (66.68)
DT-20-04075	4.0"	0.75"	4.750 (120.65)	2.625 (66.68)
DT-20-04010	4.0"	1.0"	4.750 (120.65)	2.625 (66.68)
DT-20-04015	4.0"	1.5"	4.750 (120.65)	2.625 (66.68)
DT-20-04020	4.0"	2.0"	4.750 (120.65)	2.625 (66.68)
DT-20-04025	4.0"	2.5"	4.750 (120.65)	2.625 (66.68)
DT-20-04030	4.0"	3.0"	4.750 (120.65)	2.625 (66.68)
DT-20-06020	6.0"	2.0"	7.125 (180.98)	3.625 (92.08)
DT-20-06025	6.0"	2.5"	7.125 (180.98)	3.625 (92.08)
DT-20-06030	6.0"	3.0"	7.125 (180.98)	3.625 (92.08)
DT-20-06040	6.0"	4.0"	7.125 (180.98)	3.750 (95.25)

Additional sizes available upon request.

### ATW CROSS

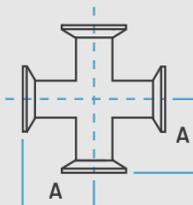
Automatic Tube Weld



PART NO.	O.D.	A-Inch (mm)
DT-09-C-00025	0.25"	1.750 (44.45)
DT-09-C-00038	0.375"	1.750 (44.45)
DT-09-C-00050	0.5"	1.875 (47.63)
DT-09-C-00075	0.75"	2.000 (50.80)
DT-09-C-00100	1.0"	2.125 (53.98)
DT-09-C-00150	1.5"	2.375 (60.33)
DT-09-C-00200	2.0"	2.875 (73.03)
DT-09-C-00250	2.5"	3.125 (79.38)
DT-09-C-00300	3.0"	3.375 (85.73)
DT-09-C-00400	4.0"	4.125 (104.78)
DT-09-C-00600	6.0"	5.625 (142.88)

### HCJ CROSS

Hygienic Clamp Joint



PART NO.	O.D.	A-Inch (mm)
DT-18-C-0025	0.25"	2.250 (57.15)
DT-18-C-0038	0.375"	2.250 (57.15)
DT-18-C-0050	0.5"	2.375 (60.33)
DT-18-C-0075	0.75"	2.500 (63.50)
DT-18-C-0100	1.0"	2.625 (66.68)
DT-18-C-0150	1.5"	2.875 (73.03)
DT-18-C-0200	2.0"	3.375 (85.73)
DT-18-C-0250	2.5"	3.625 (92.08)
DT-18-C-0300	3.0"	3.875 (98.43)
DT-18-C-0400	4.0"	4.750 (120.65)
DT-18-C-0600	6.0"	7.125 (180.98)



IT'S MORE  
THAN  
TUBES AND  
FITTINGS.

IT'S AN  
INNOVATION  
PIPELINE.

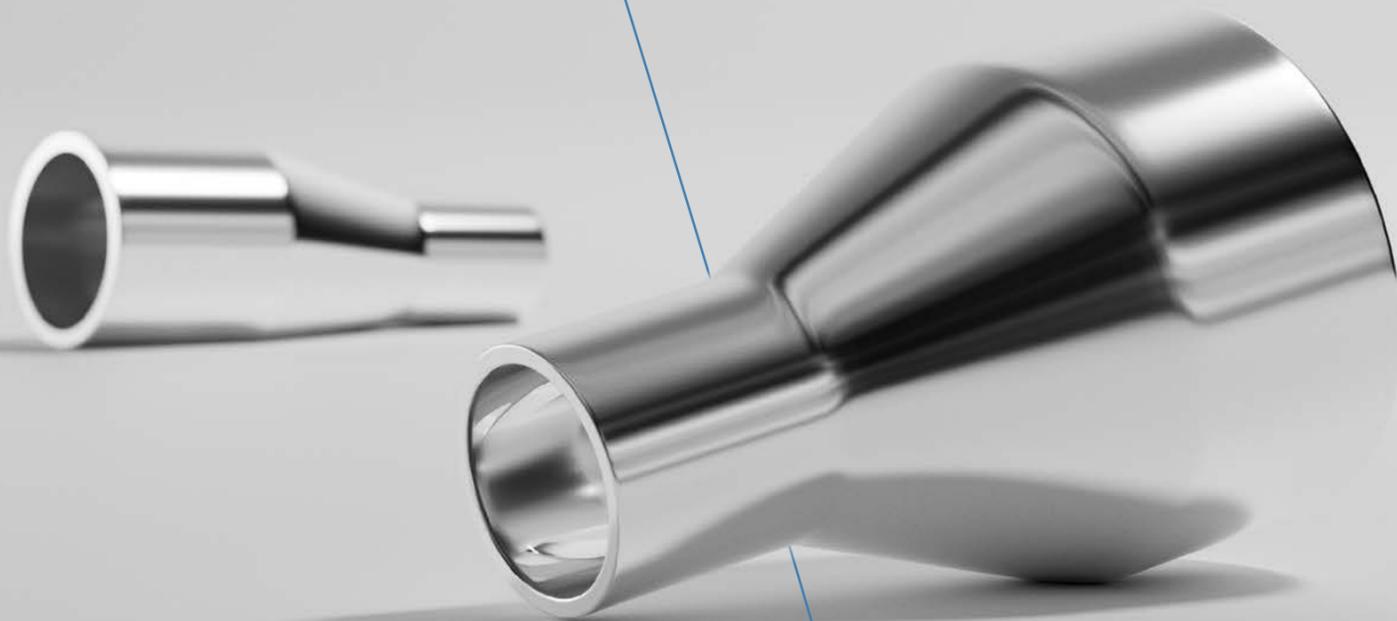
The population is aging, healthcare demand is rising and the world needs the ideas that are running through your pipes. Let's make sure nothing tiny stands in the way of something huge.



# REDUCERS

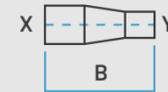
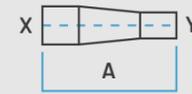
The focus narrows and the pressure builds.  
This part of your journey has to be perfect.

- 25 Concentric Reducers
- 28 Eccentric Reducers



## ATW CONCENTRIC REDUCER

Automatic Tube Weld

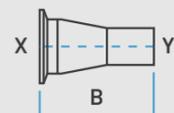
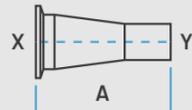


PART NO.	O.D. X	O.D. Y	A - Inch (mm)
DT-11-C-03825	0.375"	0.25"	3.250 (82.55)
DT-11-C-05025	0.5"	0.25"	3.250 (82.55)
DT-11-C-05038	0.5"	0.375"	3.250 (82.55)
DT-11-C-07538	0.75"	0.375"	3.250 (82.55)
DT-11-C-07550	0.75"	0.5"	4.000 (101.60)
DT-11-C-01050	1.0"	0.5"	4.500 (114.30)
DT-11-C-01075	1.0"	0.75"	4.000 (101.60)
DT-11-C-01575	1.5"	0.75"	5.000 (127.00)
DT-11-C-01510	1.5"	1.0"	5.000 (127.00)
DT-11-C-02010	2.0"	1.0"	7.250 (184.15)
DT-11-C-02015	2.0"	1.5"	5.250 (133.35)
DT-11-C-02515	2.5"	1.5"	7.250 (184.15)
DT-11-C-02520	2.5"	2.0"	5.500 (139.70)
DT-11-C-03015	3.0"	1.5"	9.250 (234.95)
DT-11-C-03020	3.0"	2.0"	7.500 (190.50)
DT-11-C-03025	3.0"	2.5"	5.500 (139.70)
DT-11-C-04020	4.0"	2.0"	11.750 (298.45)
DT-11-C-04025	4.0"	2.5"	9.750 (247.65)
DT-11-C-04030	4.0"	3.0"	7.750 (196.85)
DT-11-C-06030	6.0"	3.0"	10.000 (254.00)
DT-11-C-06040	6.0"	4.0"	10.000 (254.00)
PART NO.	O.D. X	O.D. Y	B - Inch (mm)
DT-11-C-03825-B	0.375"	0.25"	1.625 (41.28)
DT-11-C-05025-B	0.5"	0.25"	1.875 (47.63)
DT-11-C-05038-B	0.5"	0.375"	1.875 (47.63)
DT-11-C-07538-B	0.75"	0.375"	2.000 (50.80)
DT-11-C-07550-B	0.75"	0.5"	2.125 (53.98)
DT-11-C-01050-B	1.0"	0.5"	2.500 (63.50)
DT-11-C-01075-B	1.0"	0.75"	2.125 (53.98)
DT-11-C-01575-B	1.5"	0.75"	3.000 (76.20)
DT-11-C-01510-B	1.5"	1.0"	2.500 (63.50)
DT-11-C-02010-B	2.0"	1.0"	3.375 (85.73)
DT-11-C-02015-B	2.0"	1.5"	2.500 (63.50)
DT-11-C-02515-B	2.5"	1.5"	3.375 (85.73)
DT-11-C-02520-B	2.5"	2.0"	2.500 (63.50)
DT-11-C-03015-B	3.0"	1.5"	4.250 (107.95)
DT-11-C-03020-B	3.0"	2.0"	3.375 (85.73)
DT-11-C-03025-B	3.0"	2.5"	2.625 (66.68)
DT-11-C-04020-B	4.0"	2.0"	5.125 (130.18)
DT-11-C-04025-B	4.0"	2.5"	4.250 (107.95)
DT-11-C-04030-B	4.0"	3.0"	3.875 (98.43)
DT-11-C-06030-B	6.0"	3.0"	7.250 (184.15)
DT-11-C-06040-B	6.0"	4.0"	5.625 (142.88)

Additional sizes available upon request.

### HCJ x ATW CONCENTRIC REDUCER

Hygienic Clamp Joint  
x Automatic Tube Weld

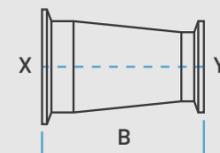
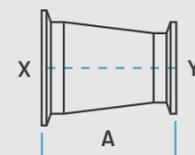


PART NO.	O.D. X	O.D. Y	A – Inch (mm)
DT-26-C-07550	0.75"	0.5"	3.000 (76.20)
DT-26-C-01050	1.0"	0.5"	4.000 (101.60)
DT-26-C-01075	1.0"	0.75"	3.000 (76.20)
DT-26-C-01550	1.5"	0.5"	3.500 (88.90)
DT-26-C-01575	1.5"	0.75"	4.000 (101.60)
DT-26-C-02010	2.0"	1.0"	6.000 (152.40)
DT-26-C-02015	2.0"	1.5"	4.000 (101.60)
DT-26-C-02515	2.5"	1.5"	6.000 (152.40)
DT-26-C-02520	2.5"	2.0"	4.250 (107.95)
DT-26-C-03015	3.0"	1.5"	8.000 (203.20)
DT-26-C-03020	3.0"	2.0"	6.250 (158.75)
DT-26-C-03025	3.0"	2.5"	4.250 (107.95)
DT-26-C-04020	4.0"	2.0"	10.375 (263.53)
DT-26-C-04025	4.0"	2.5"	8.375 (212.73)
DT-26-C-04030	4.0"	3.0"	6.375 (161.93)
DT-26-C-06030	6.0"	3.0"	9.000 (228.60)
DT-26-C-06040	6.0"	4.0"	9.000 (228.60)
PART NO.	O.D. X	O.D. Y	B – Inch (mm)
DT-26-C-03825-B	0.375"	0.25"	2.125 (53.98)
DT-26-C-05025-B	0.5"	0.25"	2.375 (60.33)
DT-26-C-05038-B	0.5"	0.375"	2.375 (60.33)
DT-26-C-07538-B	0.75"	0.375"	2.500 (63.50)
DT-26-C-07550-B	0.75"	0.5"	2.625 (66.68)
DT-26-C-01050-B	1.0"	0.5"	3.000 (76.20)
DT-26-C-01075-B	1.0"	0.75"	2.625 (66.68)
DT-26-C-01575-B	1.5"	0.75"	3.500 (88.90)
DT-26-C-01510-B	1.5"	1.0"	3.000 (76.20)
DT-26-C-02010-B	2.0"	1.0"	3.875 (98.43)
DT-26-C-02015-B	2.0"	1.5"	3.000 (76.20)
DT-26-C-02515-B	2.5"	1.5"	3.875 (98.43)
DT-26-C-02520-B	2.5"	2.0"	3.000 (76.20)
DT-26-C-03015-B	3.0"	1.5"	4.750 (120.65)
DT-26-C-03020-B	3.0"	2.0"	3.875 (98.43)
DT-26-C-03025-B	3.0"	2.5"	3.125 (79.38)
DT-26-C-04020-B	4.0"	2.0"	5.750 (146.05)
DT-26-C-04025-B	4.0"	2.5"	4.875 (123.83)
DT-26-C-04030-B	4.0"	3.0"	4.500 (114.30)
DT-26-C-06030-B	6.0"	3.0"	8.000 (203.20)
DT-26-C-06040-B	6.0"	4.0"	6.375 (161.93)

Additional sizes available upon request.

### HCJ CONCENTRIC REDUCER

Hygienic Clamp Joint

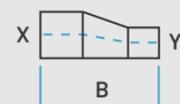
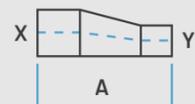


PART NO.	O.D. X	O.D. Y	A – Inch (mm)
DT-21-C-07550	0.75"	0.5"	2.000 (50.80)
DT-21-C-01050	1.0"	0.5"	2.500 (63.50)
DT-21-C-01075	1.0"	0.75"	2.000 (50.80)
DT-21-C-01575	1.5"	0.75"	3.000 (76.20)
DT-21-C-01510	1.5"	1.0"	3.000 (76.20)
DT-21-C-02010	2.0"	1.0"	5.000 (127.00)
DT-21-C-02015	2.0"	1.5"	3.000 (76.20)
DT-21-C-02515	2.5"	1.5"	5.000 (127.00)
DT-21-C-02520	2.5"	2.0"	3.000 (76.20)
DT-21-C-03015	3.0"	1.5"	7.000 (177.80)
DT-21-C-03020	3.0"	2.0"	5.000 (127.00)
DT-21-C-03025	3.0"	2.5"	3.000 (76.20)
DT-21-C-04020	4.0"	2.0"	9.125 (231.78)
DT-21-C-04025	4.0"	2.5"	7.125 (180.98)
DT-21-C-04030	4.0"	3.0"	5.125 (130.18)
DT-21-C-06030	6.0"	3.0"	7.500 (190.50)
DT-21-C-06040	6.0"	4.0"	7.625 (193.68)
PART NO.	O.D. X	O.D. Y	B – Inch (mm)
DT-21-C-03825-B	0.375"	0.25"	2.625 (66.68)
DT-21-C-05025-B	0.5"	0.25"	2.875 (73.03)
DT-21-C-05038-B	0.5"	0.375"	2.875 (73.03)
DT-21-C-07538-B	0.75"	0.375"	3.000 (76.20)
DT-21-C-07550-B	0.75"	0.5"	3.125 (79.38)
DT-21-C-01050-B	1.0"	0.5"	3.500 (88.90)
DT-21-C-01075-B	1.0"	0.75"	3.125 (79.38)
DT-21-C-01575-B	1.5"	0.75"	4.000 (101.60)
DT-21-C-01510-B	1.5"	1.0"	3.500 (88.90)
DT-21-C-02010-B	2.0"	1.0"	4.375 (111.13)
DT-21-C-02015-B	2.0"	1.5"	3.500 (88.90)
DT-21-C-02515-B	2.5"	1.5"	4.375 (111.13)
DT-21-C-02520-B	2.5"	2.0"	3.500 (88.90)
DT-21-C-03015-B	3.0"	1.5"	5.250 (133.35)
DT-21-C-03020-B	3.0"	2.0"	4.375 (111.13)
DT-21-C-03025-B	3.0"	2.5"	3.625 (92.08)
DT-21-C-04020-B	4.0"	2.0"	6.250 (158.75)
DT-21-C-04025-B	4.0"	2.5"	5.375 (136.53)
DT-21-C-04030-B	4.0"	3.0"	5.000 (127.00)
DT-21-C-06030-B	6.0"	3.0"	8.500 (215.90)
DT-21-C-06040-B	6.0"	4.0"	7.000 (177.80)

Additional sizes available upon request.

## ATW ECCENTRIC REDUCER

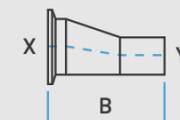
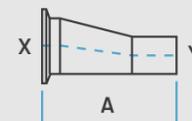
Automatic Tube Weld



PART NO.	O.D. X	O.D. Y	A – Inch (mm)
DT-11-E-03825	0.375"	0.25"	4.000 (101.60)
DT-11-E-05025	0.5"	0.25"	4.000 (101.60)
DT-11-E-05038	0.5"	0.375"	4.000 (101.60)
DT-11-E-07538	0.75"	0.375"	4.000 (101.60)
DT-11-E-07550	0.75"	0.5"	4.000 (101.60)
DT-11-E-01050	1.0"	0.5"	4.500 (114.30)
DT-11-E-01075	1.0"	0.75"	4.000 (101.60)
DT-11-E-01575	1.5"	0.75"	5.000 (127.00)
DT-11-E-01510	1.5"	1.0"	5.000 (127.00)
DT-11-E-02010	2.0"	1.0"	7.250 (184.15)
DT-11-E-02015	2.0"	1.5"	5.250 (133.35)
DT-11-E-02515	2.5"	1.5"	7.250 (184.15)
DT-11-E-02520	2.5"	2.0"	5.500 (139.70)
DT-11-E-03015	3.0"	1.5"	9.250 (234.95)
DT-11-E-03020	3.0"	2.0"	7.500 (190.50)
DT-11-E-03025	3.0"	2.5"	5.500 (139.70)
DT-11-E-04020	4.0"	2.0"	11.750 (298.45)
DT-11-E-04025	4.0"	2.5"	9.750 (247.65)
DT-11-E-04030	4.0"	3.0"	7.750 (196.85)
DT-11-E-06030	6.0"	3.0"	9.750 (247.65)
DT-11-E-06040	6.0"	4.0"	10.000 (254.00)
PART NO.	O.D. X	O.D. Y	B – Inch (mm)
DT-11-E-03825-B	0.375"	0.25"	1.625 (41.28)
DT-11-E-05025-B	0.5"	0.25"	1.875 (47.63)
DT-11-E-05038-B	0.5"	0.375"	1.875 (47.63)
DT-11-E-07538-B	0.75"	0.375"	2.000 (50.80)
DT-11-E-07550-B	0.75"	0.5"	2.125 (53.98)
DT-11-E-01050-B	1.0"	0.5"	2.500 (63.50)
DT-11-E-01075-B	1.0"	0.75"	2.125 (53.98)
DT-11-E-01575-B	1.5"	0.75"	3.000 (76.20)
DT-11-E-01510-B	1.5"	1.0"	2.500 (63.50)
DT-11-E-02010-B	2.0"	1.0"	3.375 (85.73)
DT-11-E-02015-B	2.0"	1.5"	2.500 (63.50)
DT-11-E-02515-B	2.5"	1.5"	3.375 (85.73)
DT-11-E-02520-B	2.5"	2.0"	2.500 (63.50)
DT-11-E-03015-B	3.0"	1.5"	4.250 (107.95)
DT-11-E-03020-B	3.0"	2.0"	3.375 (85.73)
DT-11-E-03025-B	3.0"	2.5"	2.625 (66.68)
DT-11-E-04020-B	4.0"	2.0"	5.125 (130.18)
DT-11-E-04025-B	4.0"	2.5"	4.250 (107.95)
DT-11-E-04030-B	4.0"	3.0"	3.875 (98.43)
DT-11-E-06030-B	6.0"	3.0"	7.250 (184.15)
DT-11-E-06040-B	6.0"	4.0"	5.625 (142.88)

## HCJ x ATW ECCENTRIC REDUCER

Hygienic Clamp Joint  
x Automatic Tube Weld

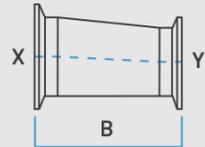
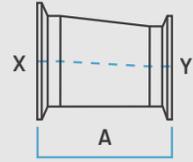


PART NO.	O.D. X	O.D. Y	A – Inch (mm)
DT-26-E-07550	0.75"	0.5"	3.000 (76.20)
DT-26-E-01050	1.0"	0.5"	4.000 (101.60)
DT-26-E-01075	1.0"	0.75"	3.000 (76.20)
DT-26-E-01550	1.5"	0.5"	3.500 (88.90)
DT-26-E-01575	1.5"	0.75"	4.000 (101.60)
DT-26-E-02010	2.0"	1.0"	6.000 (152.40)
DT-26-E-02015	2.0"	1.5"	4.000 (101.60)
DT-26-E-02515	2.5"	1.5"	6.000 (152.40)
DT-26-E-02520	2.5"	2.0"	4.250 (107.95)
DT-26-E-03015	3.0"	1.5"	8.000 (203.20)
DT-26-E-03020	3.0"	2.0"	6.250 (158.75)
DT-26-E-03025	3.0"	2.5"	4.250 (107.95)
DT-26-E-04020	4.0"	2.0"	10.375 (263.53)
DT-26-E-04025	4.0"	2.5"	8.375 (212.73)
DT-26-E-04030	4.0"	3.0"	6.375 (161.93)
DT-26-E-06030	6.0"	3.0"	9.000 (228.60)
DT-26-E-06040	6.0"	4.0"	9.000 (228.60)
PART NO.	O.D. X	O.D. Y	B – Inch (mm)
DT-26-E-03825-B	0.375"	0.25"	2.125 (53.98)
DT-26-E-05025-B	0.5"	0.25"	2.375 (60.33)
DT-26-E-05038-B	0.5"	0.375"	2.375 (60.33)
DT-26-E-07538-B	0.75"	0.375"	2.500 (63.50)
DT-26-E-07550-B	0.75"	0.5"	2.625 (66.68)
DT-26-E-01050-B	1.0"	0.5"	3.000 (76.20)
DT-26-E-01075-B	1.0"	0.75"	2.625 (66.68)
DT-26-E-01575-B	1.5"	0.75"	3.500 (88.90)
DT-26-E-01510-B	1.5"	1.0"	3.000 (76.20)
DT-26-E-02010-B	2.0"	1.0"	3.875 (98.43)
DT-26-E-02015-B	2.0"	1.5"	3.000 (76.20)
DT-26-E-02515-B	2.5"	1.5"	3.875 (98.43)
DT-26-E-02520-B	2.5"	2.0"	3.000 (76.20)
DT-26-E-03015-B	3.0"	1.5"	4.750 (120.65)
DT-26-E-03020-B	3.0"	2.0"	3.875 (98.43)
DT-26-E-03025-B	3.0"	2.5"	3.125 (79.38)
DT-26-E-04020-B	4.0"	2.0"	5.750 (146.05)
DT-26-E-04025-B	4.0"	2.5"	4.875 (123.83)
DT-26-E-04030-B	4.0"	3.0"	4.500 (114.30)
DT-26-E-06030-B	6.0"	3.0"	8.000 (203.20)
DT-26-E-06040-B	6.0"	4.0"	6.375 (161.93)

Additional sizes available upon request.

# HCJ ECCENTRIC REDUCER

Hygienic Clamp Joint



PART NO.	O.D. X	O.D. Y	A – Inch (mm)
DT-21-E-07550	0.75"	0.5"	2.000 (50.80)
DT-21-E-01050	1.0"	0.5"	2.500 (63.50)
DT-21-E-01075	1.0"	0.75"	2.000 (50.80)
DT-21-E-01575	1.5"	0.75"	3.000 (76.20)
DT-21-E-01510	1.5"	1.0"	3.000 (76.20)
DT-21-E-02010	2.0"	1.0"	5.000 (127.00)
DT-21-E-02015	2.0"	1.5"	3.000 (76.20)
DT-21-E-02515	2.5"	1.5"	5.000 (127.00)
DT-21-E-02520	2.5"	2.0"	3.000 (76.20)
DT-21-E-03015	3.0"	1.5"	7.000 (177.80)
DT-21-E-03020	3.0"	2.0"	5.000 (127.00)
DT-21-E-03025	3.0"	2.5"	3.000 (76.20)
DT-21-E-04020	4.0"	2.0"	9.125 (231.78)
DT-21-E-04025	4.0"	2.5"	7.125 (180.98)
DT-21-E-04030	4.0"	3.0"	5.125 (130.18)
DT-21-E-06030	6.0"	3.0"	7.625 (193.68)
DT-21-E-06040	6.0"	4.0"	7.625 (193.68)
PART NO.	O.D. X	O.D. Y	B – Inch (mm)
DT-21-E-03825-B	0.375"	0.25"	2.625 (66.68)
DT-21-E-05025-B	0.5"	0.25"	2.875 (73.03)
DT-21-E-05038-B	0.5"	0.375"	2.875 (73.03)
DT-21-E-07538-B	0.75"	0.375"	3.000 (76.20)
DT-21-E-07550-B	0.75"	0.5"	3.125 (79.38)
DT-21-E-01050-B	1.0"	0.5"	3.500 (88.90)
DT-21-E-01075-B	1.0"	0.75"	3.125 (79.38)
DT-21-E-01575-B	1.5"	0.75"	4.000 (101.60)
DT-21-E-01510-B	1.5"	1.0"	3.500 (88.90)
DT-21-E-02010-B	2.0"	1.0"	4.375 (111.13)
DT-21-E-02015-B	2.0"	1.5"	3.500 (88.90)
DT-21-E-02515-B	2.5"	1.5"	4.375 (111.13)
DT-21-E-02520-B	2.5"	2.0"	3.500 (88.90)
DT-21-E-03015-B	3.0"	1.5"	5.250 (133.35)
DT-21-E-03020-B	3.0"	2.0"	4.375 (111.13)
DT-21-E-03025-B	3.0"	2.5"	3.625 (92.08)
DT-21-E-04020-B	4.0"	2.0"	6.250 (158.75)
DT-21-E-04025-B	4.0"	2.5"	5.375 (136.53)
DT-21-E-04030-B	4.0"	3.0"	5.000 (127.00)
DT-21-E-06030-B	6.0"	3.0"	8.500 (215.90)
DT-21-E-06040-B	6.0"	4.0"	7.000 (177.80)

Additional sizes available upon request.



**STRONG RELATIONSHIPS  
MOVE MORE THAN  
ANY PIPE EVER CAN.**

The most important part of our business has little to do with electricity or nitric acid. The care and attention we give to our clients, partners and employees makes a real difference in the finished product.



### ASME BPE TUBE



PART NO.	O.D.	A-Inch (mm)	B-Inch (mm)
DT-01-0025	0.25"	0.250 (6.35)	0.035 (0.89)
DT-01-0038	0.375"	0.375 (9.53)	0.035 (0.89)
DT-01-0050	0.5"	0.500 (12.70)	0.065 (1.65)
DT-01-0075	0.75"	0.750 (19.05)	0.065 (1.65)
DT-01-0100	1.0"	1.000 (25.40)	0.065 (1.65)
DT-01-0150	1.5"	1.500 (38.10)	0.065 (1.65)
DT-01-0200	2.0"	2.000 (50.80)	0.065 (1.65)
DT-01-0250	2.5"	2.500 (63.50)	0.065 (1.65)
DT-01-0300	3.0"	3.000 (76.20)	0.065 (1.65)
DT-01-0400	4.0"	4.000 (101.60)	0.083 (2.11)
DT-01-0600	6.0"	6.000 (152.40)	0.109 (2.77)

# TUBES, CAPS + FERRULES

Is it a tube or the path to better nutrition, better health, or even a cure? Let's find out where your pipes lead.

33 Tubes

34 Caps

35 Ferrules

## SOLID END CAP

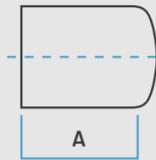


PART NO.	O.D.	A-Inch (mm)
CAP-0050/0075	0.5"/0.75"	0.187 (4.75)
CAP-0100/0150	1.0"/1.5"	0.250 (6.35)
CAP-0200	2.0"	0.250 (6.35)
CAP-0250	2.5"	0.250 (6.35)
CAP-0300	3.0"	0.250 (6.35)
CAP-0400	4.0"	0.312 (7.92)
CAP-0600	6.0"	0.437 (11.10)

Additional sizes available upon request.

## ATW CAP

Automatic Tube Weld

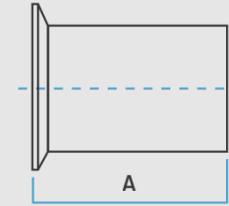


PART NO.	O.D.	A-Inch (mm)
DT-30-0050	0.5"	1.500 (38.10)
DT-30-0075	0.75"	1.500 (38.10)
DT-30-0100	1.0"	1.500 (38.10)
DT-30-0150	1.5"	1.500 (38.10)
DT-30-0200	2.0"	1.500 (38.10)
DT-30-0250	2.5"	1.500 (38.10)
DT-30-0300	3.0"	1.750 (44.45)
DT-30-0400	4.0"	2.000 (50.80)
DT-30-0600	6.0"	2.500 (63.50)

Additional sizes available upon request.

## ATW LONG FERRULE

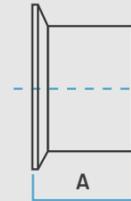
Automatic Tube Weld



PART NO.	O.D.	A-Inch (mm)
DT-22-0025	0.25"	1.750 (44.45)
DT-22-0038	0.375"	1.750 (44.45)
DT-22-0050	0.5"	1.750 (44.45)
DT-22-0075	0.75"	1.750 (44.45)
DT-22-0100	1.0"	1.750 (44.45)
DT-22-0150	1.5"	1.750 (44.45)
DT-22-0200	2.0"	2.250 (57.15)
DT-22-0250	2.5"	2.250 (57.15)
DT-22-0300	3.0"	2.250 (57.15)
DT-22-0400	4.0"	2.250 (57.15)
DT-22-0600	6.0"	3.000 (76.20)

## ATW SHORT FERRULE

Automatic Tube Weld



PART NO.	O.D.	A-Inch (mm)
DT-22-S-0025	0.25"	0.500 (12.70)
DT-22-S-0038	0.375"	0.500 (12.70)
DT-22-S-0050	0.5"	0.500 (12.70)
DT-22-S-0075	0.75"	0.500 (12.70)
DT-22-S-0100	1.0"	0.500 (12.70)
DT-22-S-0150	1.5"	0.500 (12.70)
DT-22-S-0200	2.0"	0.500 (12.70)
DT-22-S-0250	2.5"	0.500 (12.70)
DT-22-S-0300	3.0"	0.500 (12.70)
DT-22-S-0400	4.0"	0.625 (15.88)
DT-22-S-0600	6.0"	0.750 (19.05)

# A HIGH BAR FOR TUBES

As an independent company with our family name on the door, the highest standards tend to be our own.

## STANDARDS + CERTIFICATIONS

WinTech tubes and fittings produced to BPE specifications are in accordance with ASTM and ASME standards for manufacturing processes, testing, tolerances and surface finishes. Surface finishes are measured to [ANSI B46.1](#) standards, meeting or exceeding the requirements of ASME-BPE surface standards [SF1](#) and [SF4](#).

### ANNEALING

WinTech stainless steel produced to BPE specifications is hydrogen bright annealed in line to 1900 degrees F (1040° C) minimum and rapidly quenched.

### PACKAGING

As a final step to ensure purity standards, each tube or fitting is capped and individually bagged.

### MARKING

WinTech tubing produced for BPE applications is line-stenciled with ASME-BPE surface designation, OD, wall, ASTM/ASME specifications, manufacturer, grade and heat number.



## SURFACE FINISHES + CONVERSIONS

POLISH COMBINATION CODE	INTERNAL (ID) SURFACE		EXTERNAL (OD) SURFACE			ASME BPE SURFACE DESIGNATION	
	MAX SURFACE ROUGHNESS		SURFACE FINISH	MAX SURFACE ROUGHNESS			SURFACE FINISH
	$\mu$ -in	$\mu$ -m		$\mu$ -in	$\mu$ -m		
3/PC	20	0.5	Mechanical Polish			Unpolished	SF1
7/PL	20	0.5	Mechanical Polish	32	0.8	Mechanical Polish	SF1
3/PD	15	0.375	Mechanical Polish & Electropolish			Unpolished	SF4
7/PM	15	0.375	Mechanical Polish & Electropolish	32	0.8	Mechanical Polish	SF4

STANDARD GRIT	Ra		RMS	
	$\mu$ -in	$\mu$ -m	$\mu$ -in	$\mu$ -m
150 grit	27-32	0.68-0.80	30-35	0.76-0.89
180 grit	18-23	0.46-0.58	20-25	0.51-0.64
240 grit	14-18	0.34-0.46	15-20	0.38-0.51
320 grit	8-10	0.21-0.25	9-11	0.23-0.28

Note: All Ra readings are taken across the lay. The average Ra is derived from readings taken at four cross sections approximately 90° apart. Other Ra readings available if agreed upon between vendor and owner/user. No single reading exceeding Ra max.

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