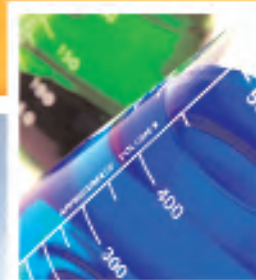




VNE



Fittings Product Catalog



CLAMP FITTINGS

PAGE 1-24

Clamp Specifications.....	2
Clamp Industry Cross - Reference.....	3
Clamp Elbows.....	4-6
Clamp Tees.....	6
Clamp Cross.....	7
Clamp Ferrules.....	7-10
Clamp Adapters.....	10-13
Clamp Caps.....	13-14
Clamp Gaskets.....	14
Clamps.....	14-16
Clamp PSI Ratings.....	16-17
Clamp Lateral & True Y.....	17
Clamp Reducing Lateral.....	18
Clamp Adapter Reducers.....	18-22
Clamp Schedule 5 & 10 Ferrules,Caps, Clamps,Gaskets, & PSI Ratings.....	22-24

WELD FITTINGS

PAGE 25-40

Weld Specifications.....	26
Weld Industry Cross - Reference.....	27
Weld Elbows.....	28-31
Weld Tees.....	31-36
Weld Crosses, Stub Ends & Caps.....	36
Weld Lateral, True Y & Reducing Lateral.....	37
Weld Reducers.....	38-40
Weld Adapters.....	40

BEVEL SEAT & JOHN PERRY FITTINGS

PAGE 41-56

Bevel Seat Specifications.....	42
Bevel Seat Industry Cross - Reference.....	43
Bevel Seat Elbows.....	44-45
Bevel Seat Tees.....	45
Bevel Seat Crosses & Hex Union Nuts.....	46
Bevel Seat Ferrules.....	46-49
Bevel Seat Caps.....	49
Bevel Seat Adapters.....	50-51
Bevel Seat Reducers.....	52-54
John Perry Ferrules, & Caps.....	55-56

E-LINE FITTINGS

PAGE 57-76

E-Line Specifications.....	58
E-Line Industry Cross - Reference.....	59
E-Line Elbows.....	60-61
E-Line Tees.....	61-62
E-Line Crosses.....	63
E-Line Ferrules.....	63-64
E-Line Adapters.....	64-65
E-Line Weld Ferrules.....	65
E-Line Adapters.....	65-68
E-Line Caps, Laterals, True Y, Gaskets & Clamps.....	69-70
E-Line Clamp PSI Ratings.....	71
E-Line Reducers.....	71-73

E-LINE FITTINGS (cont.)

PAGE 57-76

E-Line Schedule 5 (T316L), Short Welding Ferrules.....	74
E-Line Schedule 5 (T316L), Caps.....	74
E-Line Schedule 5 (T316L), Long Welding Ferrules.....	75
E-Line Schedule 5 (T316L), Clamps.....	75
E-Line EQ-Line.....	76

UNPOLISHED TUBE OD FITTINGS

PAGE 77-84

Unpolished Tube OD Specifications.....	78
Unpolished Tube OD Elbows.....	79-80
Unpolished Tube OD Tees.....	80-81
Unpolished Tube OD Crosses.....	81
Unpolished Tube OD Type A Stud with Grooves.....	81
Unpolished Tube OD Type B Stud End Less Grooves.....	82
Unpolished Tube OD Caps.....	82
Unpolished Tube OD Adapters.....	82
Unpolished Tube OD Laterals & True Y.....	83
Unpolished Tube OD Reducers.....	83-84
Unpolished Tube OD Flange & Rubber Hose Barb Blank.....	84

Miscellaneous

European Din Specifications.....	86
European Din Nut & Gaskets.....	87
European Din Ferrules & Caps.....	88
European Din X Inch Weld Ferrules.....	89
Pipe Hanger Specifications.....	90
Pipe Hangers.....	91
Speciality Products.....	92

Additional Products.....	93
--------------------------	----

Affiliations.....	94
-------------------	----



Clamp Fittings



CLAMP FITTINGS....

Clamp Style Fittings are most popular for easy assembly and breakdown of process lines and equipment. VNE offers Clamp Fittings in T304 and T316L materials in 1/2" through 12" sizes.

Gaskets for Clamp Fittings are available in several different materials, Buna-N, EPDM, Silicone, Tef-Steel®, Teflon®, and Viton®. Lightweight and heavy-duty clamps complete the unions. VNE's Clamp Fittings meet all 3A requirements.

CLAMP FITTING SPECIFICATIONS....

Size Range: 1/2" OD through 12" OD

Materials: T304
T316L

Finish: No. 7 - ID & OD
No. 5 - OD only
No. 3 - ID only
No. 1 - unpolished

ORDERING SPECIFICATIONS....

Specify:

- Quantity
- Product description or Part No.
- Size
- Material Type
- Polish Requirements

LIMITED WARRANTY....

VNE Corporation products are warranted to be free from defects in material and workmanship for a period of one year from the date of shipment. Any product that proves to be defective shall be repaired or replaced at the option of VNE, providing it has been used as recommended and in strict accordance with recognized piping practices, and that has not been subject to extraordinary service, such as encountered under severe corrosive or abrasive conditions.

VNE makes no warranties, express or implied, other than those listed above.

VNE shall not be liable for any consequential, indirect, incidental or contingent damages.

VNE CORPORATION

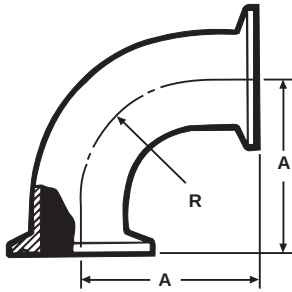
P.O. Box 1698 • 1149 Barberry Drive • Janesville, WI 53547

TEL: 608-756-4930 • FAX: 608-756-3643 • 1-800-356-1111 • Web site: vnestainless.com

CLAMP TYPE

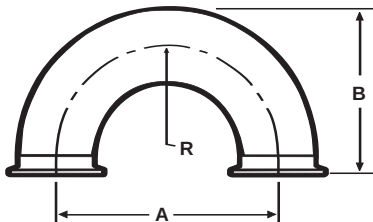
VNE	TRI-CLOVER	WAUKESHA	G & H	JENSEN
EG2C	2CMP	2CMP	GC2C	JC2
EGLC31CC	2CMP-31MP	2CMP-31MP	GC2C-31	JC2-J31
EG2FPR	2FMP-14	2FMP-14	GC2F-14	JC2-14
EG2WU	-----	-----	GC2WU	J2WU
EG2FTR	2FMP-15	2FMP-15	GC2F-15	JC2-15
EG2K	2KMP	2KMP	GC2K	JC2K
EG7	7MP	7MP	GC7	JC7
EG7R	7RMP	7RMP	GC7R	JC7R
EG9	9MP	9MP	GC9	JC9
EG13	13MHLA	-----	GH13FAH	K13LH
13MHHM	13MHHM	13MHHM	GC13LAH	JC13HC
13MHP	13MHP	13MHP	13MHP	JC13HP
EG14HT	14MPHT	14MPHT	GC14AHT	JC14AHT
EG14W	14MPW	14MPW	GC14W	JC14H
EG14WL	14WLMP	14WLMP	GC14WL	JC14
EG14AM7	L14AM7	L14AM7	GC14AC	JC14AM7
EG2CS	14WMP	14WMP	GC2CS	JC14X
EG14RT	14MPHR	14MPHR	GC14AHR	JC14AHR
EG16A	16AMP	16AMP	GC16A	JC16
EG17PR	17MP-14	17MP-14	GC17PC	JC17-14
EG17TR	17MP-15	17MP-15	GC17TC	JC17-15
EG21	21MP	21MP	GC21	JC21
EG22	22MP	22MP	GC22	JC22
EG31R	31RMP	31RMP	GC31R	JC31R
EG31CC	31-14MP	31-14MP	GC31CC	JC31
EG32CC	32-14MP	32-14MP	GC32CC	JC32
EG31PC	31PMP	31PMP	GC31PC	J14-C31
EG32PC	32PMP	32PMP	GC32PC	J14-C32
EG31CP	31MPP	31MPP	GC31CP	JC31-14
EG32CP	32MPP	32MPP	GC32CP	JC32-14
EG31TC	31TMP	31TMP	GC31TC	J15-C31
EG32TC	32TMP	32TMP	GC32TC	J15-C32
EG31CT	31MPT	31MPT	GC31CT	JC31-15
EG32CT	32MPT	32MPT	GC32CT	JC32-15
EG40	40MPU	40MPU	GC40	JC40N
EG40T	40MPG	40MPG	GC40T	JC40T
EG45BY	45BYMP	45BYMP	GC45SH	-----
45C	B45MP	45HMP	-----	45HC
EG23B	23BMP	23BMP	GC23B	JC23B
EG28A	28AMP	28AMP	GC28A	JC28A
EG28B	28BMP	28BMP	GC28B	JC28B

EG2C - 90° ELBOW



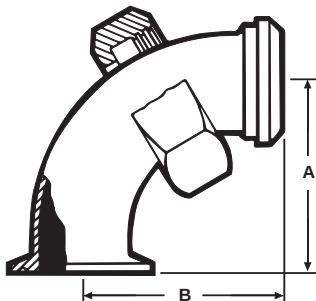
Size Tube OD	A	R
1	2.000	1.500
1 1/2	2.750	2.250
2	3.500	3.000
2 1/2	4.250	3.750
3	5.000	4.500
4	6.625	6.000
6	9.875	9.000
8	12.937	12.000

EG2WU - CLAMP 180° U-BEND



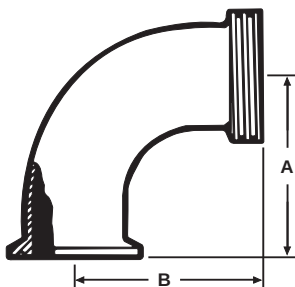
Size Tube OD	A	B	R
1/2	1.500	1.500	0.750
3/4	2.250	2.000	1.125
1	3.000	2.500	1.500
1 1/4	3.750	3.000	1.875
1 1/2	4.500	3.500	2.250
2	6.000	4.500	3.000
2 1/2	7.500	5.500	3.750
3	9.000	6.500	4.500
4	12.000	8.625	6.000
6	18.000	12.875	9.000

EG2FPR - 90° ELBOW



Size Tube OD	A	B
1	2.000	2.875
1 1/2	2.750	2.968
2	3.500	3.718
2 1/2	4.250	4.593
3	5.000	5.406
4	6.625	7.218

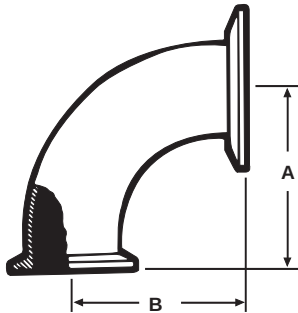
EG2FTR - 90° ELBOW



Size Tube OD	A	B
1	2.000	2.187
1 1/2	2.750	2.968
2	3.500	3.718
2 1/2	4.250	4.593
3	5.000	5.406
4	6.625	7.218

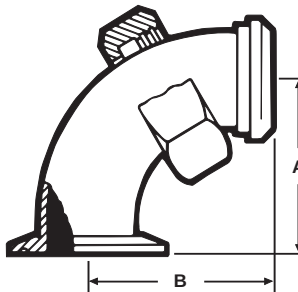
**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

EG2C31CC - 90° REDUCING ELBOW (Non-Tapered)



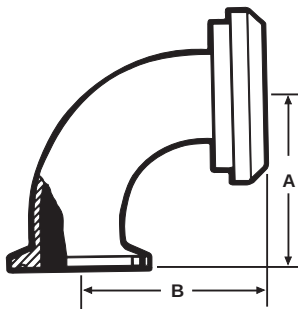
Size Tube OD	A	B
2 x 1	2.000	2.000
2 x 1 1/2	2.750	2.750
2 1/2 x 1 1/2	2.750	2.750
2 1/2 x 2	3.500	3.500
3 x 1 1/2	2.750	2.750
3 x 2	3.500	3.500
3 x 2 1/2	4.250	4.250
4 x 2 1/2	4.250	4.375
4 x 3	5.000	5.125
6 x 4	6.625	6.875

EG231-FPR 90° REDUCING ELBOW (Non-Tapered)



Size Tube OD	A	B
2 x 1	2.000	2.187
2 x 1 1/2	2.750	2.968
2 1/2 x 1 1/2	2.750	2.968
2 1/2 x 2	3.500	3.718
3 x 1 1/2	2.750	2.968
3 x 2	3.500	3.718
3 x 2 1/2	4.250	4.593
4 x 2 1/2	4.375	4.593
4 x 3	5.125	5.406

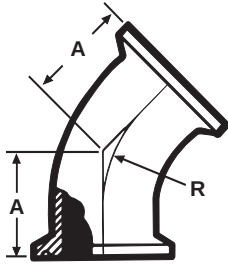
EG2C31PR - 90° REDUCING ELBOW (Non-Tapered)



Size Tube OD	A	B
2 x 1	2.000	2.250
2 x 1 1/2	2.750	3.000
2 1/2 x 1 1/2	2.750	3.031
2 1/2 x 2	3.500	3.781
3 x 1 1/2	2.750	3.593
3 x 2	3.500	3.843
3 x 2 1/2	4.250	4.593
4 x 2 1/2	4.250	4.687
4 x 3	5.000	5.437

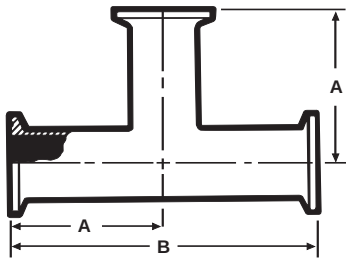
Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.

EG2K - 45° ELBOW



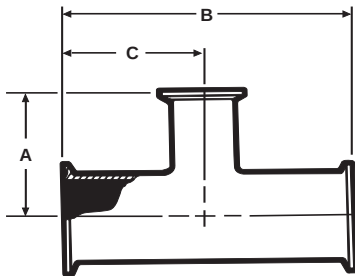
Size Tube OD	A	R
1	1.125	1.500
1 1/2	1.437	2.250
2	1.750	3.000
2 1/2	2.062	3.750
3	2.375	4.500
4	3.125	6.000
6	4.625	9.000
8	5.312	12.000

EG7 - TEE



Size Tube OD	A	B
1	2.375	4.750
1 1/2	2.750	5.500
2	3.500	7.000
2 1/2	3.500	7.000
3	3.750	7.500
4	4.500	9.000
6	6.500	13.000
8	9.937	19.875

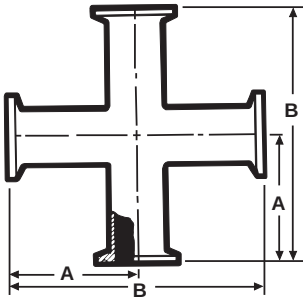
EG7R - REDUCING TEE



Size Tube OD	A	B	C
1 1/2 x 1	1.875	4.312	2.156
2 x 1	2.125	5.125	2.562
2 x 1 1/2	2.406	5.125	2.562
2 1/2 x 1 1/2	2.656	5.687	2.843
2 1/2 x 2	2.812	5.687	2.843
3 x 1 1/2	2.906	6.187	3.093
3 x 2	3.062	6.187	3.093
3 x 2 1/2	3.093	6.187	3.093
4 x 2	3.593	8.125	4.062
4 x 2 1/2	3.593	8.125	4.062
4 x 3	3.593	8.125	4.062
6 x 3	6.125	13.000	6.500
6 x 4	6.250	13.000	6.500

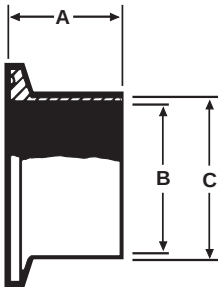
**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

EG9 - CROSS



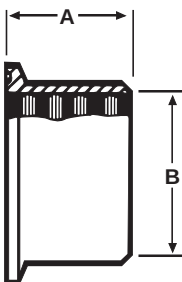
Size Tube OD	A	B
1	2.375	4.750
1 1/2	2.750	5.500
2	3.500	7.000
2 1/2	3.500	7.000
3	3.750	7.500
4	4.500	9.000
6	8.875	17.340

EG14AM7 - WELDING FERRULE



Size Tube OD	A	B	C
1/2	2.000	0.370	0.500
3/4	2.000	0.620	0.750
1	1.125	0.870	1.000
1 1/2	1.125	1.370	1.500
1 1/4	1.125	1.120	1.250
2	1.125	1.870	2.000
2 1/2	1.125	2.370	2.500
3	1.125	2.870	3.000
4	1.125	3.834	4.000
5	1.500	4.782	5.000
6	1.500	5.780	6.000
8	1.500	7.782	8.000
10	1.500	9.732	10.000
12	1.500	11.732	12.000

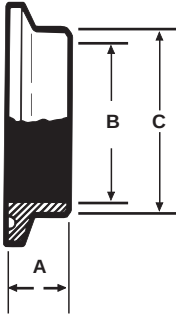
EG14R - RECESSLESS FERRULE (Expanding)



Size Tube OD	A	B
1	0.750	1.000
1 1/2	1.125	1.500
2	1.312	2.000
2 1/2	1.375	2.500
3	1.437	3.000
4	1.500	4.000

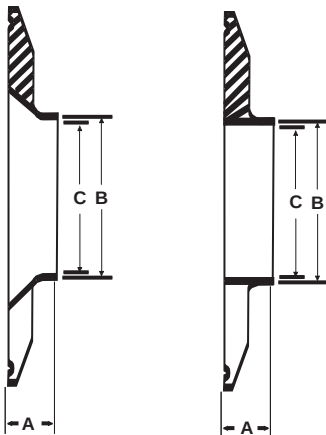
Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.

EG2CS - SHORT WELDING FERRULE



Size Tube OD	A	B
1/4	0.500	0.120
3/8	0.500	0.245
1/2	0.500	0.370
5/8	0.500	0.495
3/4	0.500	0.620
1	0.500	0.870
1 1/4	0.500	1.120
1 1/2	0.500	1.370
2	0.500	1.870
2 1/2	0.500	2.370
3	0.500	2.870
4	0.625	3.834
5	0.750	4.780
6	0.875	5.780
8	0.937	7.782
10	0.937	9.732
12	0.937	11.732

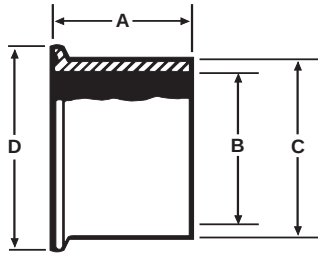
EG2CS31D / EG2CS31 - SHORT REDUCING CLAMP FERRULES



Size Tube OD	A	B	C
1 x 1/2	0.500	0.500	0.370
1 x 3/4	0.500	0.750	0.620
1 1/2 x 1	0.500	1.000	0.870
2 x 1	0.500	1.000	0.870
2 x 1 1/2	0.500	1.500	1.370
2 1/2 x 1 1/2	0.500	1.500	1.370
2 1/2 x 2	0.500	2.000	1.870
3 x 1	0.500	1.000	0.870
3 x 1 1/2	0.500	1.500	1.370
3 x 2	0.500	2.000	1.870
3 x 2 1/2	0.500	2.500	2.370
4 x 1 1/2	0.625	1.500	1.370
4 x 2	0.625	2.000	1.870
4 x 2 1/2	0.625	2.500	2.370
4 x 3	0.625	3.000	2.870
6 x 4	0.870	4.000	3.834

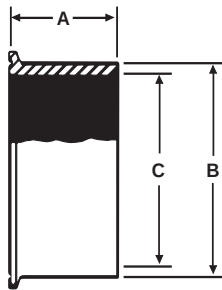
**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

EG14W - TANK WELDING FERRULE



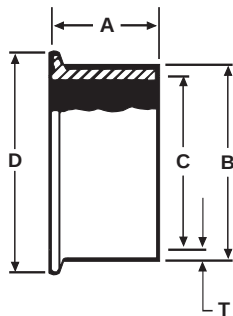
Size Tube OD	A	B	C	D
1	1.625	0.870	1.160	1.984
1 1/2	1.625	1.370	1.676	1.984
2	1.750	1.870	2.192	2.516
2 1/2	1.750	2.370	2.708	3.047
3	1.812	2.870	3.224	3.579
4	2.125	3.834	4.256	4.682
6	4.250	5.782	6.500	6.570

EG14W-C6L - ASME CODED TANK FERRULE



Size Tube OD	A	B	C
1	1.625	1.160	0.870
1 1/2	1.625	1.676	1.370
2	1.750	2.192	1.870
2 1/2	1.750	2.708	2.370
3	1.812	3.224	2.870
4	2.125	4.256	3.834
6	4.250	6.500	5.782

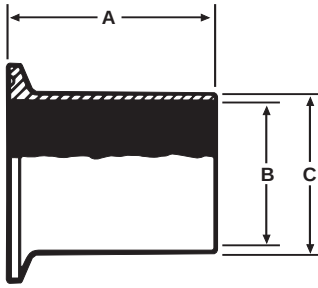
EG14WSL-C6L - ASME CODED TANK FERRULE LONG



Size Tube OD	A	B	C	D	Nom. Wall (T)
1	2.500	1.160	0.870	1.984	0.129
1 1/2	2.500	1.676	1.370	1.984	0.153
2	2.500	2.192	1.870	2.516	0.161
2 1/2	3.500	2.708	2.370	3.047	0.169
3	4.500	3.224	2.870	3.579	0.177
4	4.500	4.256	3.834	4.682	0.211
6	6.250	6.500	5.782	6.570	0.359

Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.

EG14WL - TANK WELDING FERRULE



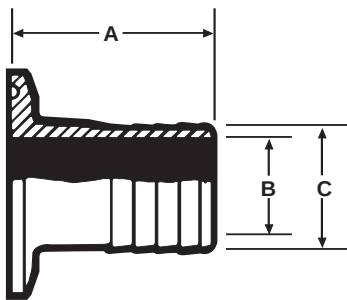
Size Tube OD	A	B	C
1	3.000	0.870	1.000
1 1/2	3.000	1.370	1.500
2	3.000	1.870	2.000
2 1/2	3.000	2.370	2.500
3	4.000	2.870	3.000
4	4.000	3.834	4.000
6	6.000	5.782	6.000
8	6.000	7.782	8.000
10	6.000	9.730	10.000
12	6.000	11.730	12.000

EG14RT - RUBBER HOSE ADAPTER



Size Tube OD	
1/2	CONTACT VNE FOR DIMENSIONS
3/4	
1	
1 1/4	
1 1/2	
2	
2 1/2	
3	
4	
6	

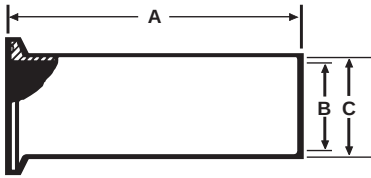
EG14RT - RUBBER HOSE ADAPTER REDUCER (T316L)



Size Tube OD	A	B	C
1 x 1/2	2.000	0.370	0.500
1 x 3/4	2.000	0.620	0.750
1 1/2 x 1 1/4	3.500	1.120	1.250
2 x 1	3.500	0.870	1.000
2 x 1 1/2	3.500	1.370	1.500
2 1/2 x 2	3.500	1.870	2.000
3 x 2	3.500	1.870	2.000
3 x 2 1/2	3.500	2.370	2.500
4 x 2 1/2	3.625	2.370	2.500
4 x 3	3.625	3.870	3.000

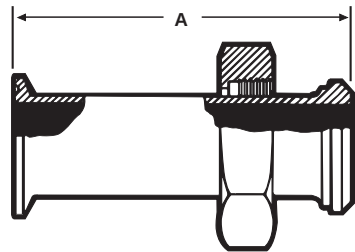
**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

EG14HT - TYGON HOSE ADAPTER



Size Tube OD	A	B	C
1	4.500	0.870	1.000
1 1/2	4.500	1.370	1.500
2	4.500	1.870	2.000
2 1/2	4.500	2.370	2.500
3	4.500	2.870	3.000
4	4.625	3.834	4.000

EG17PR - ADAPTER



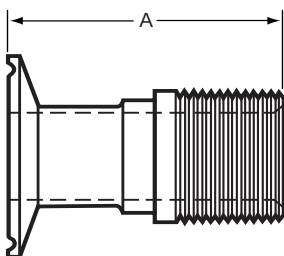
Size Tube OD	A
1	2.500
1 1/2	2.625
2	2.625
2 1/2	2.875
3	2.875
4	2.875

EG17TR - ADAPTER



Size Tube OD	A
1	1.187
1 1/2	1.187
2	1.218
2 1/2	1.343
3	1.437
4	2.125

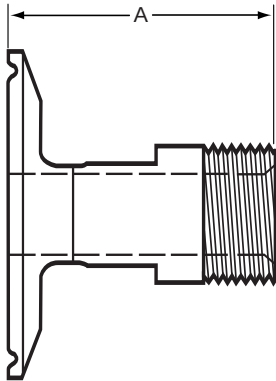
EG21 - MALE ADAPTER (N.P.T. Pipe Threads)



Size Tube OD	A
1	2.875
1 1/4	2.875
1 1/2	2.875
2	2.937
2 1/2	3.437
3	3.625
4	3.812
6	4.875

Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.

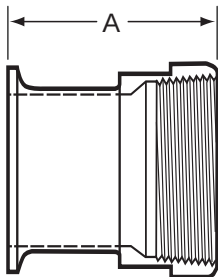
EG21-6L - MALE ADAPTER REDUCING (T316L)



Size Tube OD	A
3/4 x 1/2	See MaxPure Catalog - TEG21
1 x 1/2	2.125
1 x 3/4	2.125
1 1/2 x 1/2	2.125
1 1/2 x 3/4	2.125
1 1/2 x 1 1/4	2.250
2 x 1	2.250
2 x 1 1/4	2.250
2 x 1 1/2	2.250
2 1/2 x 1 1/2	2.250
2 1/2 x 2	2.312
3 x 1 1/2	2.250
3 x 2	2.312
3 x 2 1/2	2.812
4 x 2	2.312
4 x 2 1/2	2.812
4 x 3	3.000
6 x 4	3.062

Sanitary end dimension listed first.

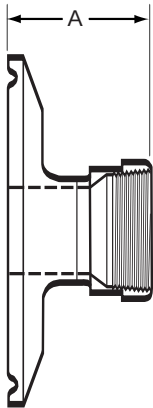
EG22 - FEMALE ADAPTER (N.P.T. Pipe Threads)



Size Tube OD	A
1	2.250
1 1/4	2.562
1 1/2	2.562
2	2.562
2 1/2	2.750
3	2.937
4	3.750

**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

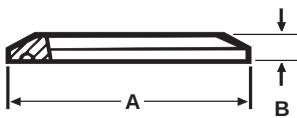
EG22 - FEMALE ADAPTER REDUCING (T316L)



Size Tube OD	A
3/4 x 1/2	See MaxPure Catalog - TEG22
1 x 1/2	1.625
1 x 3/4	1.625
1 1/2 x 1/2	1.625
1 1/2 x 3/4	1.625
1 1/2 x 1 1/4	2.560
2 x 1	1.625
2 x 1 1/4	1.927
2 x 1 1/2	1.937
2 1/2 x 1 1/2	1.937
2 1/2 x 2	1.937
3 x 1 1/2	1.937
3 x 2	1.937
3 x 2 1/2	2.125
4 x 2	2.062
4 x 2 1/2	2.250
4 x 3	2.437

Sanitary end dimension listed first.

EG16A - SOLID END CAP



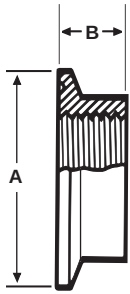
Size Tube OD	A	B
1/2 & 3/4	0.992	0.200
1 & 1 1/2	1.984	0.250
2	2.516	0.250
2 1/2	3.047	0.250
3	3.579	0.250
4	4.682	0.312
5	5.692	0.385
6	6.570	0.437
8	8.570	0.437
10	10.570	0.562
12	12.570	0.625

1 1/2" caps are used on both 1" and 1 1/2" lines.

3/4" caps are used on both 1/2" & 3/4" lines.

**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

EG23B-6L - CLAMP THERMOMETER CAPS (T316L)



Size Tube OD	A	B
*1	1.984	0.625
1 1/2	1.984	0.625
2	2.516	0.625
2 1/2	3.047	0.625
3	3.579	0.625
4	4.682	0.625

*STD - 1/2 FNPT. All others 3/4" FNPT

Note: Other tap sizes are available.

GASKETS



Gasket Materials	Part Number	Flange Type
Buna N	EG40	EG40F
EPDM	EG40E	EG40FE
Teflon	EG40T	
Viton®	EG40V	EG40FV
Silicone	EG40S	EG40FS
TEF-Steel	EG40TS	

Envelope Type

Teflon with EPDM Filler

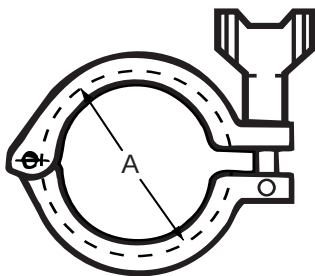
EG40GR

Teflon with Viton Filler

EG40GRV

Available in 1/2" to 12" sizes.

13MHM - HEAVY DUTY CLAMP

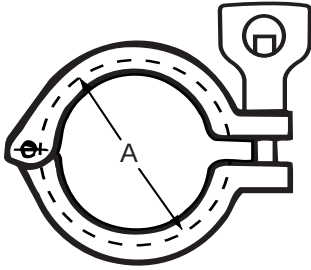


Size Tube OD	A
3/4	1.125
1 1/2	2.122
2	2.654
2 1/2	3.185
3	3.717
4	4.820
5	5.817
6	6.695
8	8.695
10	10.695
12*	12.695

* 12" Clamp is a two piece design using two wingnuts and no hinge.

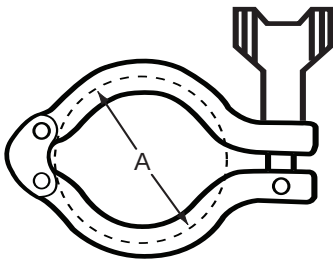
**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

13MHMH-H - HEAVY DUTY CLAMP (Wing nut With Hole)



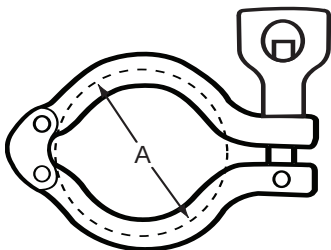
Size Tube OD	A
3/4	1.125
1 & 1 1/2	2.122
2	2.654
2 1/2	3.185
3	3.717
4	4.820
5	5.817
6	6.695
8	8.695
10	10.695
12	12.695

13MHMD - DOUBLE HINGED HEAVY DUTY CLAMP



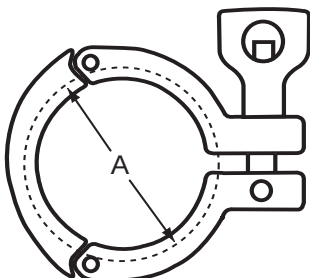
Size Tube OD	A
1 1/2	2.122
2	2.654
2 1/2	3.185
3	3.717
4	4.820

13MHMD - H - DOUBLE HINGED HEAVY DUTY CLAMP



Size Tube OD	A
1 1/2	2.122
2	2.654
2 1/2	3.185
3	3.717
4	4.820

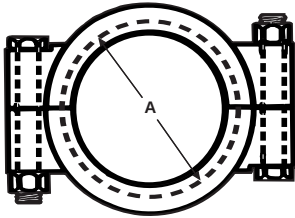
13MHHS - THREE PIECE HEAVY DUTY CLAMP



Size Tube OD	A
1 1/2	2.122
2	2.654
2 1/2	3.185
3	3.717
4	4.820

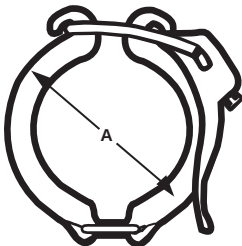
Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.

13MHP - HIGH PRESSURE CLAMP



Size Tube OD	A
3/4	1.125
1 1/2	2.046
2	2.578
2 1/2	3.110
3	3.640
4	4.744
6	6.632

EG13 - HINGED CLAMP - (Light Duty)



Size Tube OD	A
1 1/2	2.142
2	2.653
2 1/2	3.205
3	3.740
4	4.803

*PSI SERVICE RATINGS FOR SANITARY STAINLESS STEEL CLAMPS

Size Tube OD	13MHM / 13MHM - H		13MHMD / 13MHMD - H	
	@70°F	@250°F	@70°F	@250°F
3/4"	1500	1200		
1 1/2"	500	250	500	250
2"	450	250	450	250
2 1/2"	400	200	400	200
3"	350	150	350	150
4"	200	125	200	125
5"	175	100		
6"	150	75		
8"	100	50		
10"	40	30		
12"	30	25		

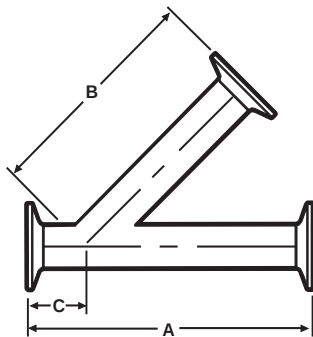
**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

*PSI SERVICE RATINGS FOR SANITARY STAINLESS STEEL CLAMPS

Size Tube OD	13MHHS		13MHP		EG13	
	@70°F	@250°F	@70°F	@250°F	@70°F	@250°F
3/4"			1500	1200		
1 1/2"	600	300	1500	1200	150	125
2"	550	275	1000	800	150	125
2 1/2"	450	225	1000	800	150	125
3"	350	160	1000	800	150	125
4"	250	150	1000	800	150	125
5"						
6"			300	200		
8"						
10"						
12"						

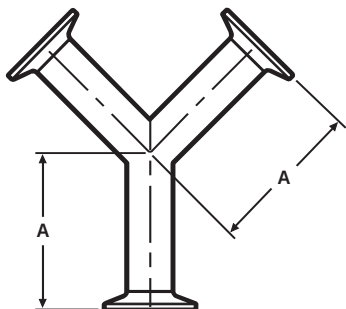
*Service ratings are based upon hydrostatic tests using Standard Molded Buna-N gasket material with proper expansion of ferules, joint assembly, and the absence of shock pressure. All ratings systems are dependent upon related components in the system and proper installation.

EG28A - 45° CLAMP LATERAL



Size Tube OD	A	B	C
1	7.000	5.500	1.500
1 1/2	8.375	6.687	1.687
2	9.625	7.625	2.125
2 1/2	11.125	9.000	2.000
3	11.750	9.375	2.375
4	14.062	11.375	2.687
6	18.875	15.375	4.375

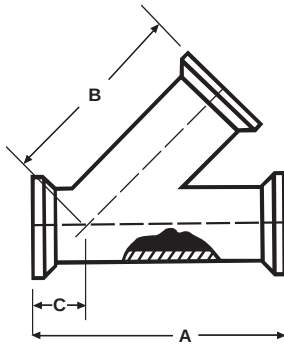
EG28B - CLAMP TRUE Y



Size Tube OD	A
1	3.500
1 1/2	3.500
2	4.500
2 1/2	5.500
3	6.500
4	8.625
6	8.875

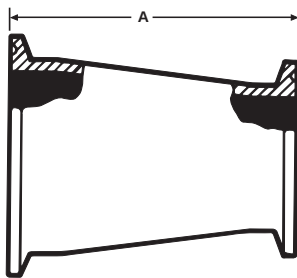
**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

EG28RA - 45° CLAMP REDUCING LATERAL



Size Tube OD	A	B	C
1 1/2 x 1	8.375	5.062	1.375
2 x 1	9.625	5.500	1.625
2 x 1 1/2	9.625	5.500	1.625
2 1/2 x 1	11.125	6.875	2.125
2 1/2 x 1 1/2	11.125	6.875	2.125
2 1/2 x 2	11.125	6.875	2.125
3 x 1	11.750	8.250	2.500
3 x 1 1/2	11.750	8.250	2.500
3 x 2	11.750	8.250	2.500
3 x 2 1/2	11.750	8.250	2.500
4 x 1	14.062	10.000	3.000
4 x 1 1/2	14.062	10.000	3.000
4 x 2	14.062	10.000	3.000
4 x 2 1/2	14.062	10.000	3.000
4 x 3	14.062	10.000	3.00

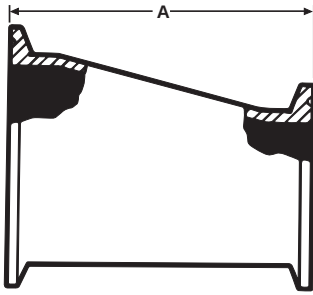
EG31CC - CONCENTRIC REDUCER



Size Tube OD	A
3/4 x 1/2	2.000
1 x 1/2	2.000
1 x 3/4	2.000
1 1/2 x 1/2	3.000
1 1/2 x 3/4	3.000
1 1/2 x 1	3.000
1 1/2 x 1 1/4	2.000
2 x 1	5.000
2 x 1 1/4	2.000
2 x 1 1/2	3.000
2 1/2 x 1	7.000
2 1/2 x 1 1/2	5.000
2 1/2 x 2	3.000
3 x 1 1/2	7.000
3 x 2	5.000
3 x 2 1/2	3.000
4 x 2	9.125
4 x 2 1/2	7.125
4 x 3	5.125
6 x 3	6.875
6 x 4	7.000

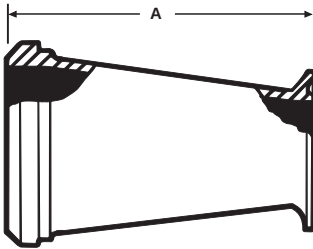
**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

EG32CC - ECCENTRIC REDUCER



Size Tube OD	A
3/4 x 1/2	2.000
1 x 1/2	3.000
1 x 3/4	2.000
1 1/2 x 1/2	5.000
1 1/2 x 3/4	4.000
1 1/2 x 1	3.000
1 1/2 x 1 1/4	2.000
2 x 1	5.000
2 x 1 1/4	2.000
2 x 1 1/2	3.000
2 1/2 x 1	7.000
2 1/2 x 1 1/2	5.000
2 1/2 x 2	3.000
3 x 1 1/2	7.000
3 x 2	5.000
3 x 2 1/2	3.000
4 x 2	9.125
4 x 2 1/2	7.125
4 x 3	5.125
6 x 3	6.875
6 x 4	7.000

EG31PC - ADAPTER REDUCER (Concentric)

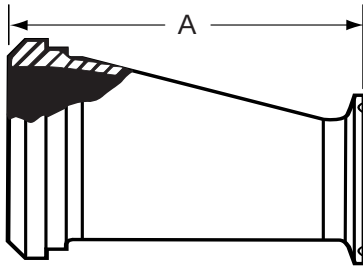


Size Tube OD	A
*1 1/2 x 1	3.187
2 x 1	5.218
2 x 1 1/2	3.218
2 1/2 x 1 1/2	5.343
2 1/2 x 2	3.343
3 x 2	5.437
3 x 2 1/2	3.437
4 x 2 1/2	7.500
4 x 3	5.500

*Hex nut furnished

Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.

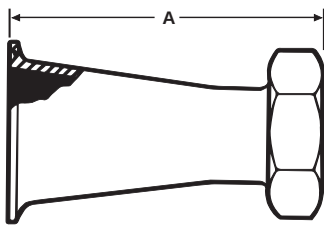
EG32PC - ADAPTER REDUCER (Eccentric)



Size Tube OD	A
*1 1/2 x 1	3.187
2 x 1	5.218
2 x 1 1/2	3.218
2 1/2 x 1 1/2	5.343
2 1/2 x 2	3.343
3 x 2	5.437
3 x 2 1/2	3.437
4 x 2 1/2	7.500
4 x 3	5.500

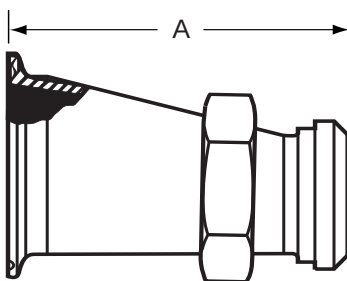
*Hex nut furnished

EG31CP - ADAPTER REDUCER (Concentric)



Size Tube OD	A
1 1/2 x 1	3.875
2 x 1	5.875
2 x 1 1/2	4.000
2 1/2 x 1 1/2	6.000
2 1/2 x 2	4.000
3 x 2	6.000
3 x 2 1/2	4.250
4 x 2 1/2	8.378
4 x 3	6.378

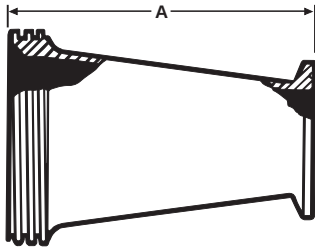
EG32CP - ADAPTER REDUCER (Eccentric)



Size Tube OD	A
1 1/2 x 1	3.875
2 x 1	5.875
2 x 1 1/2	4.000
2 1/2 x 1 1/2	6.000
2 1/2 x 2	4.000
3 x 2	6.000
3 x 2 1/2	4.250
4 x 2 1/2	8.378
4 x 3	6.378

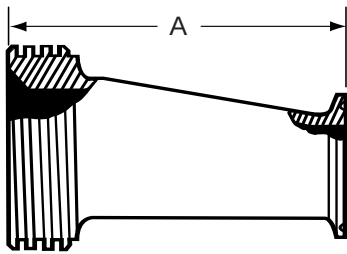
**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**

EG31TC - ADAPTER REDUCER (Concentric)



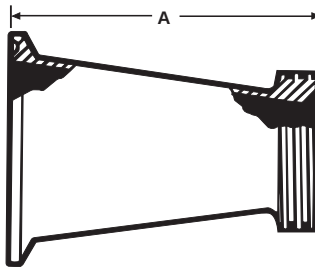
Size Tube OD	A
1 1/2 x 1	3.187
2 x 1	5.218
2 x 1 1/2	3.218
2 1/2 x 1 1/2	5.343
2 1/2 x 2	3.343
3 x 2	5.437
3 x 2 1/2	3.437
4 x 2 1/2	7.500
4 x 3	5.500

EG32TC - ADAPTER REDUCER (Eccentric)



Size Tube OD	A
1 1/2 x 1	3.187
2 x 1	5.218
2 x 1 1/2	3.218
2 1/2 x 1 1/2	5.343
2 1/2 x 2	3.343
3 x 2	5.437
3 x 2 1/2	3.437
4 x 2 1/2	7.500
4 x 3	5.500

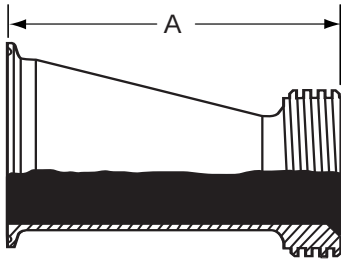
EG31CT - ADAPTER REDUCER (Concentric)



Size Tube OD	A
1 1/2 x 1	3.187
2 x 1	5.187
2 x 1 1/2	3.187
2 1/2 x 1 1/2	5.187
2 1/2 x 2	3.218
3 x 1 1/2	7.187
3 x 2	5.218
3 x 2 1/2	3.343
4 x 2	9.343
4 x 2 1/2	7.468
4 x 3	5.562

Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.

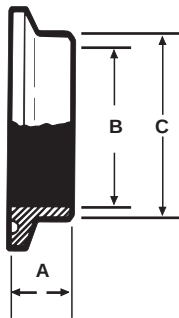
EG32CT - ADAPTER REDUCER (Eccentric)



Size Tube OD	A
1 1/2 x 1	3.187
2 x 1	5.187
2 x 1 1/2	3.187
2 1/2 x 1 1/2	5.187
2 1/2 x 2	3.218
3 x 1 1/2	7.187
3 x 2	5.218
3 x 2 1/2	3.343
4 x 2	9.343
4 x 2 1/2	7.468
4 x 3	5.562

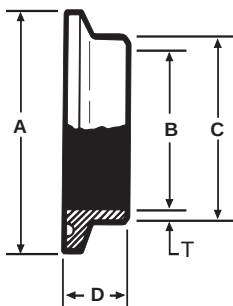
CLAMP FITTINGS SCHEDULE 5 & 10

EG2CS-5-6L - FERRULE



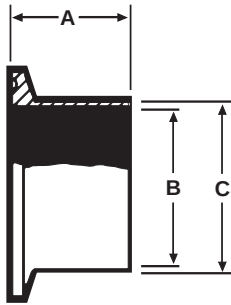
Size Pipe	A	B	C	Nom. Wall
1	0.500	1.185	1.315	0.065
1 1/2	0.500	1.770	1.900	0.065
2	0.500	2.245	2.375	0.065
2 1/2	0.500	2.709	2.875	0.083
3	0.500	3.334	3.500	0.083
4	0.625	4.334	4.500	0.083

EG2CS-10-6L - FERRULE



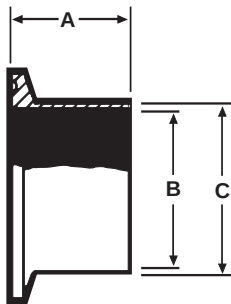
Size Pipe	A	B	C	D	Nom. Wall
1/2	1.984	0.674	0.840	0.500	0.083
3/4	1.984	0.884	1.050	0.500	0.083
1	1.984	1.097	1.315	0.500	0.109
1 1/2	2.516	1.682	1.900	0.500	0.109
2	3.047	2.157	2.375	0.500	0.109
2 1/2	3.579	2.635	2.875	0.500	0.120
3	4.125	3.260	3.500	0.500	0.120
4	5.125	4.260	4.500	0.625	0.120

EG14AM7-5-6L - FERRULE



Size Pipe	A	B	C	Nom. Wall
1	1.125	1.185	1.315	0.065
1 1/2	1.125	1.770	1.900	0.065
2	1.125	2.245	2.375	0.065
2 1/2	1.125	2.709	2.875	0.083
3	1.125	3.334	3.500	0.083
4	1.125	4.334	4.500	0.083

EG14AM7-10-6L - FERRULE



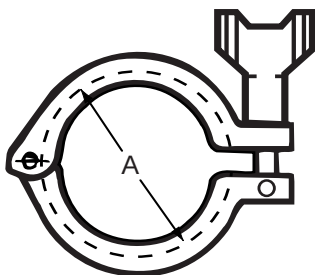
Size Pipe	A	B	C	Nom. Wall
1	1.125	1.097	1.315	0.109
1 1/2	1.125	1.682	1.900	0.109
2	1.125	2.157	2.375	0.109
2 1/2	1.125	2.635	2.875	0.120
3	1.125	3.260	3.500	0.120
4	1.125	4.260	4.500	0.120

EG16A-5-6L - CAP



Size Pipe	A	B
1	1.984	0.250
1 1/2	2.516	0.250
2	3.047	0.250
2 1/2	3.579	0.250
3	4.125	0.250
4	5.125	0.250

13MHM-5 - CLAMP



Size Pipe	A
1	2.122
1 1/2	2.654
2	3.185
2 1/2	3.717
3	4.250
4	5.250

*PSI SERVICE RATINGS FOR SANITARY STAINLESS STEEL CLAMPS

Pipe Size	13MHHM	
	@70°F	@250°F
1"	500	250
1 1/2"	450	250
2"	400	200
2 1/2"	350	150
3"	250	135
4"	175	100

GASKETS



Gasket Materials	Part Number
Buna N	EG40-5-SIZE
Teflon	EG40T-5-SIZE
Viton	EG40V-5-SIZE
Silicone	EG40S-5-SIZE
EPDM	EG40E-5-SIZE

Available in 1" to 4" sizes.

**Note: One inch fittings take 1 1/2" clamps.
Fractional fittings take 3/4" clamps.**



Weld Fittings



WELD FITTINGS....

Weld Fittings are used on permanent installations where process piping and equipment can be cleaned in place (CIP) and removal from the system is not required. Weld Fittings are offered in nominal tube sizes 1/2" through 8" in T304 and T316L materials. Uniform wall thickness for 1/2" through 3" sizes measure .065 (16 ga). In 4" size, wall thickness measures .083 (14 ga), 6" and 8" .109 (12 ga).

VNE offers Polished ID and OD Fittings for immediate shipment. Other polished combinations may be ordered. Our Weld Fittings meet all 3A requirements.

WELD FITTING SPECIFICATIONS....

Size Range: 1/2" OD through 8" OD

Materials: T304
T316L

Finish: No. 7 - ID & OD
No. 5 - OD only
No. 3 - ID only
No. 1 - unpolished

ORDERING SPECIFICATIONS....

Specify:

- Quantity
- Product description or Part No.
- Size
- Material Type
- Polish Requirements

LIMITED WARRANTY....

VNE Corporation products are warranted to be free from defects in material and workmanship for a period of one year from the date of shipment. Any product that proves to be defective shall be repaired or replaced at the option of VNE, providing it has been used as recommended and in strict accordance with recognized piping practices, and that has not been subject to extraordinary service, such as encountered under severe corrosive or abrasive conditions.

VNE makes no warranties, express or implied, other than those listed above.

VNE shall not be liable for any consequential, indirect, incidental or contingent damages.

VNE CORPORATION

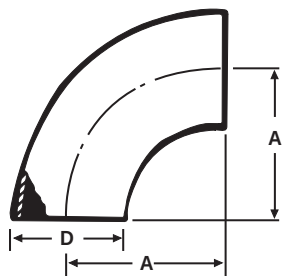
P.O. Box 1698 • 1149 Barberry Drive • Janesville, WI 53547

TEL: 608-756-4930 • FAX: 608-756-3643 • 1-800-356-1111 • Web site: vnestainless.com

WELD FITTINGS

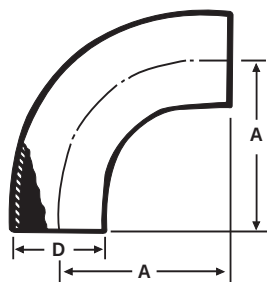
VNE	TRI-CLOVER	WAUKESHA	G & H	JENSEN
E2S	L2S	2CW	G2S	J2S
E2C	L2CM	2CKW	G2C	J2CM
E2T	L2C	2TW	G2T	J2C
E2F	L2F	2FW	G2F	J2F
E2KS	L2KS	2KW	G2KS	J2KS
E2KC	L2KM	2KKW	G2KC	J2KM
E2KT	L2K	2KT	G2KT	J2K
E2KP	L2P	2KP	G2KP	J2P
E2WU	L2WU	2WU	G2WU	J2WU
E7WWW	L7WWW	7W	G7WWW	J7WWW
E7WWC	L7WWM	7WWK	G7WWC	J7WWM
E7WWT	L7WWT	7WWT	G7WWT	J7WWT
E7WCW	L7WMW	7WKW	G7WCW	J7WMW
E7WTW	L7WTW	7WTW	G7WTW	J7WTW
E7WCC	L7WMM	7WKK	G7WCC	J7WMM
E7WTT	L7WTT	7WTT	G7WTT	J7WTT
E7CCW	L7MMW	7KKW	G7CCW	J7MMW
E7TTW	L7TTW	7TTW	G7TTW	J7TTW
E7RWWW	L7RWWW	7WR	G7RWWW	J7RWWW
E9WWWWW	L9WWWWW	9W	G9WWWWW	J9WWWWW
E31WW	L31	31W	G31	J31
E32WW	L32	32W	G32	J32
E28WA	L28WA	28WA	G28WA	J28WA
E28WB	L28WB	28WB	G28WB	J28WB

2WCL - 90° ELBOW SHORT TANGENT



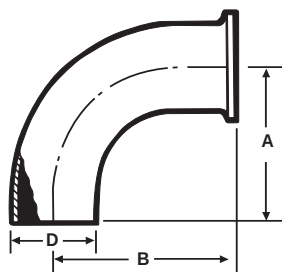
Size Tube OD	A	D	Nom. Wall
1	1.500	1.000	0.065
1 1/4	1.875	1.250	0.065
1 1/2	2.250	1.500	0.065
2	3.000	2.000	0.065
2 1/2	3.750	2.500	0.065
3	4.500	3.000	0.065
4	6.000	4.000	0.083
6	9.000	6.000	0.109
8	12.000	8.000	0.109

E2S - 90° ELBOW



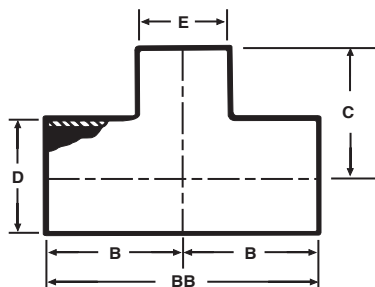
Size Tube OD	A	D	Nom. Wall
1	2.062	1.000	0.065
1 1/2	2.937	1.500	0.065
2	4.062	2.000	0.065
2 1/2	5.187	2.500	0.065
3	6.312	3.000	0.065
4	8.312	4.000	0.083

E2C - 90° ELBOW



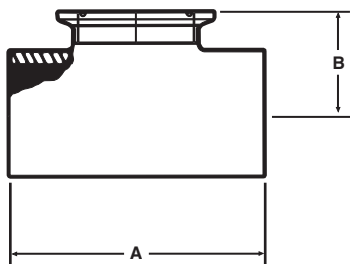
Size Tube OD	A	B	D	Nom. Wall
1	2.062	2.562	1.000	0.065
1 1/2	2.935	3.437	1.500	0.065
2	4.062	4.562	2.000	0.065
2 1/2	5.187	5.687	2.500	0.065
3	6.312	6.812	3.000	0.065
4	8.312	8.937	4.000	0.083
6	9.000	9.875	6.000	0.109

E7RWWW - REDUCING TEE



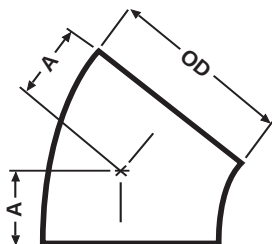
Size Tube OD	B	BB	C	Nom. Wall
1 1/2 x 1	1.650	3.312	1.375	0.065
2 x 1	2.060	4.125	1.625	0.065
2 x 1 1/2	2.060	4.125	1.906	0.065
2 1/2 x 1	2.340	4.687	1.875	0.065
2 1/2 x 1 1/2	2.340	4.687	2.150	0.065
2 1/2 x 2	2.340	4.687	2.312	0.065
3 x 1	2.590	5.187	2.125	0.065
3 x 1 1/2	2.590	5.187	2.400	0.065
3 x 2	2.590	5.187	2.562	0.065
3 X 2 1/2	2.590	5.187	2.590	0.065
4 x 1 1/2	3.430	6.875	4.906	0.083 x 0.065
4 x 2	3.430	6.875	3.090	0.083 x 0.065
4 x 2 1/2	3.430	6.875	3.090	0.083 x 0.065
4 x 3	3.590	6.875	3.090	0.083 x 0.065
6 x 2	5.625	11.250	5.625	0.109 x 0.065
6 x 3	5.625	11.250	5.625	0.109 x 0.065
6 x 4	5.625	11.250	5.625	0.109 x 0.083

E7WWCS - SHORT CLAMP BRANCH TEE - See TE7WWCS



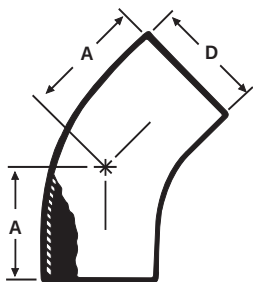
Size Tube OD	A	B	Nom. Wall
1	4.250	1.125	.065
1 1/2	4.750	1.375	.065
2	5.750	1.625	.065
2 1/2	6.250	1.875	.065
3	6.750	2.125	.065
4	8.250	2.750	.083
6	11.250	4.625	.109

E2WK - 45° ELBOW SHORT TANGENT



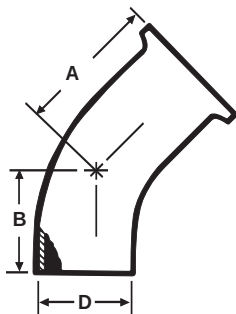
Size Tube OD	A	Nom. Wal
1	0.625	0.065
1 1/4	0.781	0.065
1 1/2	0.937	0.065
2	1.250	0.065
2 1/2	1.562	0.065
3	1.875	0.065
4	2.500	0.083
6	3.750	0.109
8	5.000	0.109

E2KS - 45° ELBOW



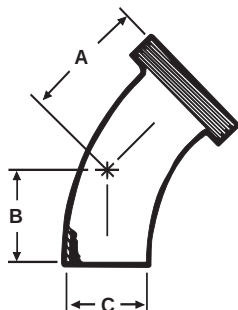
Size Tube OD	A	D	Nom. Wall
1	1.187	1.000	0.065
1 1/2	1.625	1.500	0.065
2	2.312	2.000	0.065
2 1/2	3.000	2.500	0.065
3	3.687	3.000	0.065
4	4.812	4.000	0.083

E2KC - 45° ELBOW



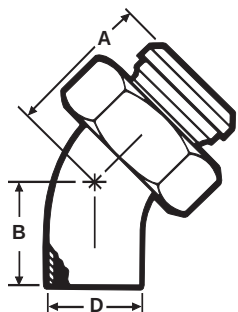
Size Tube OD	A	B	D	Nom. Wall
1	1.687	1.187	1.000	0.065
1 1/2	2.125	1.625	1.500	0.065
2	2.812	2.312	2.000	0.065
2 1/2	3.500	3.000	2.500	0.065
3	4.187	3.687	3.000	0.065
4	5.437	4.812	4.000	0.083
6	4.625	3.750	6.000	0.109

E2KT - 45° ELBOW



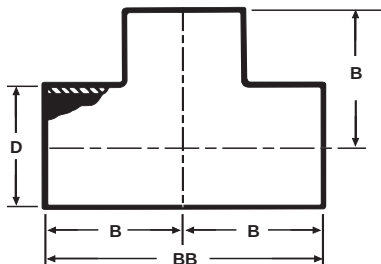
Size Tube OD	A	B	C	Nom. Wall
1	1.875	1.187	1.000	0.065
1 1/2	2.343	1.625	1.500	0.065
2	3.031	2.312	2.000	0.065
2 1/2	3.843	3.000	2.500	0.065
3	4.593	3.687	3.000	0.065
4	6.031	4.812	4.000	0.083

E2KP - 45° ELBOW



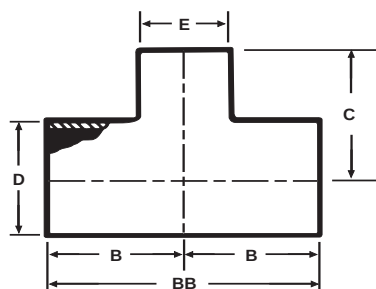
Size Tube OD	A	B	D	Nom. Wall
1	1.875	1.187	1.000	0.065
1 1/2	2.343	1.625	1.500	0.065
2	3.031	2.312	2.000	0.065
2 1/2	3.843	3.000	2.500	0.065
3	4.593	3.687	3.000	0.065
4	6.031	4.812	4.000	0.083

E7WWW - TEE



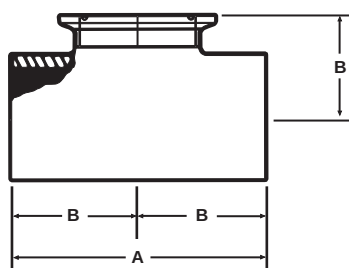
Size Tube OD	B	BB	D	Nom. Wall
1	1.125	2.250	1.000	0.065
1 1/4	2.250	3.312	1.250	0.065
1 1/2	1.656	3.312	1.500	0.065
2	2.062	4.125	2.000	0.065
2 1/2	2.343	4.687	2.500	0.065
3	2.593	5.187	3.000	0.065
4	3.437	6.875	4.000	0.083
6	5.625	11.250	6.000	0.109
8	7.000	14.000	8.000	0.109

E7RWWW - REDUCING TEE



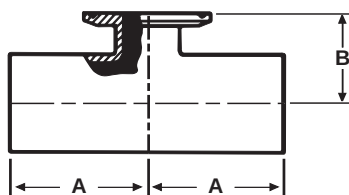
Size Tube OD	B	BB	C	D	E	Nom. Wall
1 1/2 x 1	1.656	3.312	1.375	1.500	1.000	0.065
1 1/2 x 1 1/4	2.250	3.312	2.250	1.500	1.250	0.065
2 x 1	2.062	4.125	1.906	2.000	1.000	0.065
2 x 1 1/2	2.062	4.125	1.906	2.000	1.500	0.065
2 1/2 x 1	2.343	4.687	3.125	2.500	1.000	0.065
2 1/2 x 1 1/2	2.343	4.687	3.125	2.500	1.500	0.065
2 1/2 x 2	2.343	4.687	2.312	2.500	2.000	0.065
3 x 1	2.593	5.187	2.906	3.000	1.000	0.065
3 x 1 1/2	2.593	5.187	2.906	3.000	1.500	0.065
3 x 2	2.593	5.187	2.562	3.000	2.000	0.065
3 X 2 1/2	2.593	5.187	2.562	3.000	2.500	0.065
4 x 1 1/2	3.437	6.875	4.906	4.000	1.500	0.083 x 0.065
4 x 2	3.437	6.875	5.062	4.000	2.000	0.083 x 0.065
4 x 2 1/2	3.437	6.875	5.093	4.000	2.500	0.083 x 0.065
4 x 3	3.437	6.875	5.093	4.000	3.000	0.083 x 0.065
6 x 2	5.625	11.250	5.625	6.000	2.000	0.109 x 0.065
6 x 3	5.625	11.250	5.625	6.000	3.000	0.109 x 0.065
6 x 4	5.625	11.250	5.625	6.000	4.000	0.109 x 0.083

E7WWCS - SHORT CLAMP BRANCH TEE



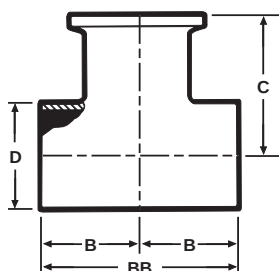
Size Tube OD	A	B	Nom. Wall
1	4.250	2.125	.065
1 1/2	4.750	2.375	.065
2	5.750	2.875	.065
2 1/2	6.250	3.125	.065
3	6.750	3.375	.065
4	8.250	4.125	.083
6	11.250	5.625	.109

E7RWWCS - REDUCING SHORT CLAMP BRANCH TEE



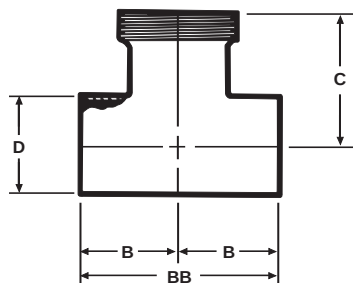
Size Tube OD	A	B	Nom. Wall
3/4 x 1/2	2.000	1.000	0.065
1 x 1/2	2.120	1.120	0.065
1 x 3/4	2.120	1.120	0.065
1 1/2 x 1/2	2.370	1.370	0.065
1 1/2 x 3/4	2.370	1.370	0.065
1 1/2 x 1	2.370	1.370	0.065
2 x 1/2	2.870	1.620	0.065
2 x 3/4	2.870	1.620	0.065
2 x 1	2.870	1.620	0.065
2 x 1 1/2	2.870	1.620	0.065
2 1/2 x 1/2	3.120	1.870	0.065
2 1/2 x 3/4	3.120	1.870	0.065
2 1/2 x 1	3.120	1.870	0.065
2 1/2 x 1 1/2	3.120	1.870	0.065
2 1/2 x 2	3.120	1.870	0.065
3 x 1/2	3.370	2.120	0.065
3 x 3/4	3.370	2.120	0.065
3 x 1	3.370	2.120	0.065
3 x 1 1/2	3.370	2.120	0.065
3 x 2	3.370	2.120	0.065
3 x 2 1/2	3.370	2.120	0.065
4 x 1/2	4.120	2.620	0.083
4 x 3/4	4.120	2.620	0.083
4 x 1	4.120	2.620	0.083
4 x 1 1/2	4.120	2.620	0.083
4 x 2	4.120	2.620	0.083
4 x 2 1/2	4.120	2.620	0.083
4 x 3	4.120	2.620	0.083
6 x 4	5.630	3.750	0.109

E7WWC - TEE WELD X WELD X CLAMP



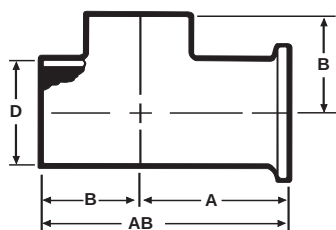
Size Tube OD	B	BB	C	D	Nom. Wall
1	1.125	2.250	1.625	1.000	0.065
1 1/2	1.656	3.312	2.156	1.500	0.065
2	2.062	4.125	2.562	2.000	0.065
2 1/2	2.343	4.687	2.843	2.500	0.065
3	2.593	5.187	3.093	3.000	0.065
4	3.625	7.250	4.656	4.000	0.083
6	5.625	11.250	6.500	6.000	0.109

E7WWT - TEE WELD X WELD X THREAD



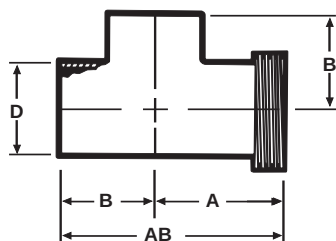
Size Tube OD	B	BB	C	D	Nom. Wall
1	1.125	2.250	1.812	1.000	0.065
1 1/2	1.656	3.312	2.375	1.500	0.065
2	2.062	4.125	2.781	2.000	0.065
2 1/2	2.343	4.687	3.187	2.500	0.065
3	2.593	5.187	3.500	3.000	0.065
4	3.625	7.250	4.656	4.000	0.083

E7WCW - TEE WELD X CLAMP X WELD



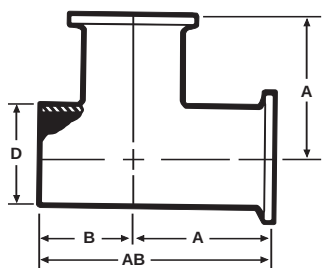
Size Tube OD	A	B	AB	D	Nom. Wall
1	1.625	1.125	2.750	1.000	0.065
1 1/2	2.156	1.656	3.812	1.500	0.065
2	2.562	2.062	4.625	2.000	0.065
2 1/2	2.843	2.343	5.187	2.500	0.065
3	3.093	2.593	5.687	3.000	0.065
4	4.250	3.625	7.875	4.000	0.083
6	6.500	5.625	12.125	6.000	0.109

E7WTW - TEE THREADED ONE END - WELD X THREAD X WELD



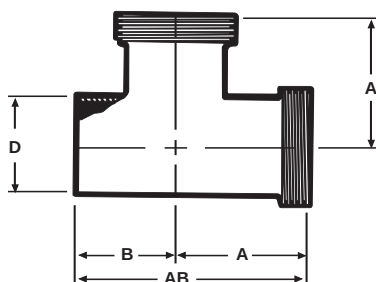
Size Tube OD	A	B	AB	D	Nom. Wall
1	1.812	1.125	2.937	1.000	0.065
1 1/2	2.375	1.656	4.031	1.500	0.065
2	2.781	2.062	4.843	2.000	0.065
2 1/2	3.187	2.343	5.531	2.500	0.065
3	3.500	2.593	6.093	3.000	0.065
4	4.656	3.625	8.281	4.000	0.083

E7WCC - TEE WELD X CLAMP X CLAMP



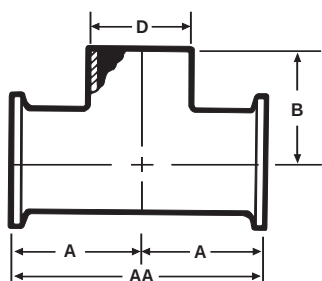
Size Tube OD	A	B	AB	D	Nom. Wall
1	1.625	1.125	2.750	1.000	0.065
1 1/2	2.156	1.656	3.812	1.500	0.065
2	2.562	2.062	4.625	2.000	0.065
2 1/2	2.843	2.343	5.187	2.500	0.065
3	3.093	2.593	5.687	3.000	0.065
4	4.250	3.625	7.875	4.000	0.083
6	6.500	5.625	12.125	6.000	0.109

E7WTT - TEE WELD X THREAD X THREAD



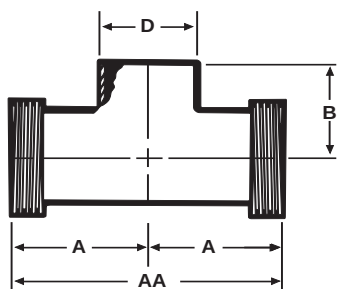
Size Tube OD	A	B	AB	D	Nom. Wall
1	1.812	1.125	2.937	1.000	0.065
1 1/2	2.375	1.656	4.031	1.500	0.065
2	2.781	2.062	4.843	2.000	0.065
2 1/2	3.187	2.343	5.531	2.500	0.065
3	3.500	2.593	6.093	3.000	0.065
4	4.656	3.625	8.281	4.000	0.083

E7CCW - TEE CLAMP X CLAMP X WELD



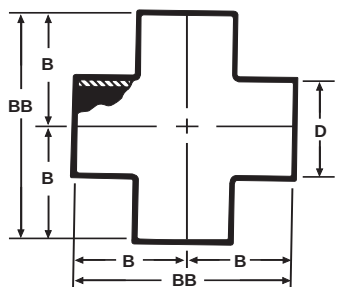
Size Tube OD	A	AA	B	D	Nom. Wall
1	1.625	3.250	1.125	1.000	0.065
1 1/2	2.562	4.312	1.656	1.500	0.065
2	2.562	5.125	2.062	2.000	0.065
2 1/2	2.843	5.687	2.343	2.500	0.065
3	3.093	6.187	2.593	3.000	0.065
4	4.250	8.500	3.625	4.000	0.083
6	6.500	13.000	5.625	6.000	0.109

E7TTW - TEE THREAD X THREAD X WELD



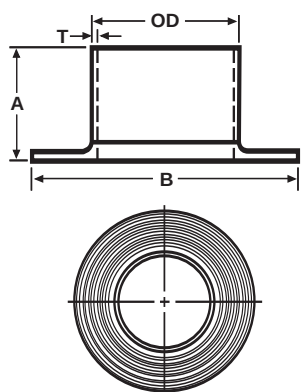
Size Tube OD	A	AA	B	D	Nom. Wall
1	1.812	3.625	1.125	1.000	0.065
1 1/2	2.375	4.750	1.656	1.500	0.065
2	2.781	5.562	2.062	2.000	0.065
2 1/2	3.187	6.375	2.343	2.500	0.065
3	3.500	7.000	2.593	3.000	0.065
4	4.656	9.312	3.625	4.000	0.083

E9WWW - CROSS



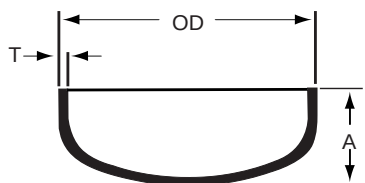
Size Tube OD	B	BB	D	Nom. Wall
1	1.125	2.250	1.000	.065
1 1/2	1.656	3.312	1.500	.065
2	2.062	4.125	2.000	.065
2 1/2	2.343	4.687	2.500	.065
3	2.593	5.187	3.000	.065
4	3.437	6.875	4.000	.083
6	5.625	11.250	6.000	.109

E14WA - TYPE A STUB END WITH GROOVES



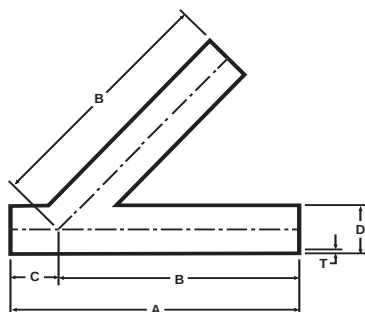
Size Tube OD	A	B	Nom. Wall (T)
1/2	1.375	1.625	0.065
3/4	1.375	1.687	0.065
1	1.625	2.000	0.065
1 1/4	1.625	2.500	0.065
1 1/2	1.750	2.875	0.065
2	1.500	3.625	0.065
2 1/2	2.000	4.125	0.065
3	2.000	5.000	0.065
4	2.625	6.187	0.083
6	3.000	8.500	0.109

E16W - WELD CAP



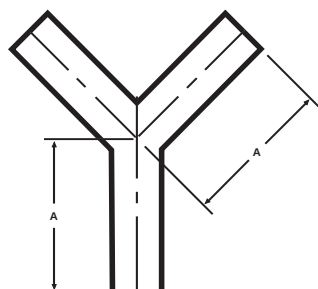
Size Tube OD	A	Nom. Wall (T)
1	0.375	0.065
1 1/4	0.500	0.065
1 1/2	0.562	0.065
2	0.750	0.065
2 1/2	1.000	0.065
3	1.250	0.065
4	1.500	0.083
6	Contact VNE for dimensions	

E28WA - 45° LATERAL



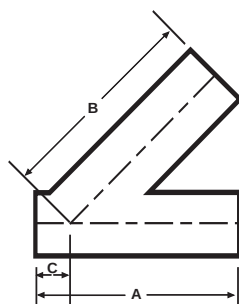
Size Tube OD	A	B	C	D	Nom. Wall (T)
1	6.000	5.000	1.000	1.000	0.065
1 1/2	7.375	6.187	1.187	1.500	0.065
2	8.625	7.125	1.500	2.000	0.065
2 1/2	10.125	8.500	1.625	2.500	0.065
3	10.750	8.875	1.875	3.000	0.065
4	12.812	10.750	2.062	4.000	0.083
6	18.000	14.500	3.500	6.000	0.109

E28WB - TRUE Y



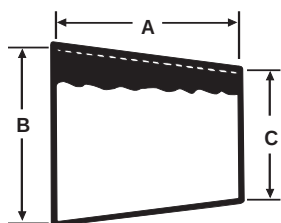
Size Tube OD	A	Nom. Wall
1	3.000	0.065
1 1/2	3.000	0.065
2	4.000	0.065
2 1/2	5.000	0.065
3	6.000	0.065
4	8.000	0.083
6	8.000	0.109

E28RWA - 45° REDUCING LATERAL



Size Tube OD	A	B	C	Nom. Wall
1 1/2 x 1	7.375	6.187	1.187	0.065
2 x 1	8.625	7.125	1.625	0.065
2 x 1 1/2	8.625	7.125	1.625	0.065
2 1/2 x 1	10.125	8.500	1.500	0.065
2 1/2 x 1 1/2	10.125	8.500	1.500	0.065
2 1/2 x 2	10.125	8.500	1.500	0.065
3 x 1	10.750	8.875	1.875	0.065
3 x 1 1/2	10.750	8.875	1.875	0.065
3 x 2	10.750	8.875	1.875	0.065
3 x 2 1/2	10.750	8.875	1.875	0.065
4 x 1	12.812	10.750	2.062	0.083 x .065
4 x 1 1/2	12.812	10.750	2.062	0.083 x .065
4 x 2	12.812	10.750	2.062	0.083 x .065
4 x 2 1/2	12.812	10.750	2.062	0.083 x .065
4 x 3	12.812	10.750	2.062	0.083 x .065

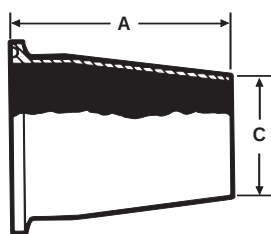
E31WW - CONCENTRIC REDUCER



Size Tube OD	A	B	C	Nom. Wall
3/4 x 1/2	*	0.750	0.500	0.065
1 x 1/2	*	1.000	0.500	0.065
1 x 3/4	*	1.000	0.750	0.065
1 1/2 x 1/2	*	1.500	0.500	0.065
1 1/2 x 3/4	*	1.500	0.750	0.065
1 1/2 x 1	2.000	1.500	1.000	0.065
1 1/2 x 1 1/4	1.000	1.500	1.250	0.065
2 x 1	4.000	2.000	1.000	0.065
2 x 1 1/4	3.000	2.000	1.250	0.065
2 x 1 1/2	2.000	2.000	1.500	0.065
2 1/2 x 1 1/2	4.000	2.500	1.500	0.065
2 1/2 x 2	2.000	2.500	2.000	0.065
3 x 1 1/2	6.000	3.000	1.500	0.065
3 x 2	4.000	3.000	2.000	0.065
3 x 2 1/2	2.000	3.000	2.500	0.065
4 x 2	8.000	4.000	2.000	0.083 x .065
4 x 2 1/2	6.000	4.000	2.500	0.083 x .065
4 x 3	4.000	4.000	3.000	0.083 x .065
6 x 2	5.500	6.000	2.000	0.109 x .065
6 x 3	5.500	6.000	3.000	0.109 x .083
6 x 4	5.500	6.000	4.000	0.109 x .083

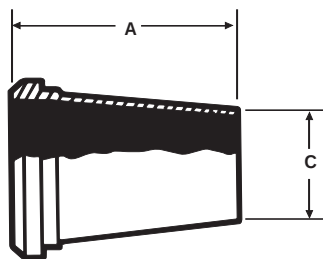
* Contact VNE for dimensions.

E31CW - CONCENTRIC REDUCER CLAMP X WELD



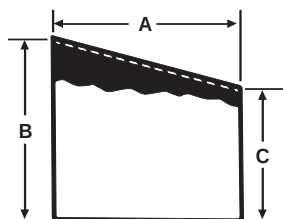
Size Tube OD	A	C	Nom. Wall
1 1/2 x 1	2.500	1.000	0.065
2 x 1 1/2	2.500	1.500	0.065
2 1/2 x 1 1/2	4.500	1.500	0.065
2 1/2 x 2	2.500	2.000	0.065
3 x 2	4.500	2.000	0.065
3 x 2 1/2	2.500	2.500	0.065
4 x 2	8.625	2.000	0.065
4 x 2 1/2	6.625	2.500	0.065
4 x 3	4.625	3.000	0.065
6 x 4	6.375	4.000	0.083

E31PW - CONCENTRIC REDUCER PLAIN BEVEL X WELD



Size Tube OD	A	C	Nom. Wall
1 1/2 x 1	2.687	1.000	0.065
2 x 1 1/2	2.718	1.500	0.065
2 1/2 x 1 1/2	4.843	1.500	0.065
2 1/2 x 2	2.843	2.000	0.065
3 x 2	4.937	2.000	0.065
3 x 2 1/2	2.937	2.500	0.065
4 x 2	9.000	2.000	0.065
4 x 2 1/2	7.000	2.500	0.065
4 x 3	5.000	3.000	0.065

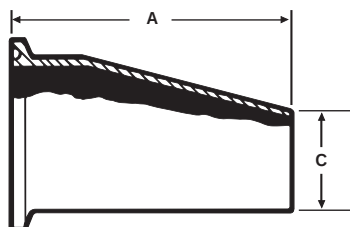
E32WW - ECCENTRIC REDUCER



Size Tube OD	A	B	C	Nom. Wall
3/4 x 1/2	*	0.750	0.500	0.065
1 x 1/2	*	1.000	0.500	0.065
1 x 3/4	*	1.000	0.750	0.065
1 1/2 x 1/2	*	1.500	0.500	0.065
1 1/2 x 3/4	*	1.500	0.750	0.065
1 1/2 x 1	2.000	1.500	1.000	0.065
1 1/2 x 1 1/4	1.000	1.500	1.250	0.065
2 x 1	4.000	2.000	1.250	0.065
2 x 1 1/4	3.000	2.000	1.250	0.065
2 x 1 1/2	2.000	2.000	1.500	0.065
2 1/2 x 1 1/2	4.000	2.500	1.500	0.065
2 1/2 x 2	2.000	2.500	2.000	0.065
3 x 2	4.000	3.000	2.000	0.065
3 x 2 1/2	2.000	3.000	2.500	0.065
4 x 2	8.000	4.000	2.000	0.083 x .065
4 x 2 1/2	6.000	4.000	2.500	0.083 x .065
4 x 3	4.000	4.000	3.000	0.083 x .065
6 x 2	5.500	6.000	2.000	0.109 x .065
6 x 3	5.500	6.000	3.000	0.109 x .083
6 x 4	5.500	6.000	4.000	0.109 x .083

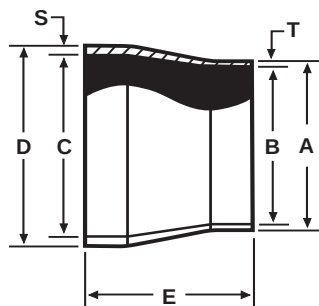
* Contact VNE for dimensions.

E32CW - ECCENTRIC REDUCER CLAMP X WELD



Size Tube OD	A	C	Nom. Wall
1 1/2 X 1	2.500	1.000	0.065
2 x 1 1/2	2.500	1.500	0.065
2 1/2 x 1 1/2	4.500	1.500	0.065
2 1/2 x 2	2.500	2.000	0.065
3 x 2	4.500	2.000	0.065
3 x 2 1/2	2.500	2.500	0.065
4 x 2	8.625	2.000	0.065
4 x 2 1/2	6.625	2.500	0.065
4 x 3	4.625	3.000	0.065
6 x 4	6.375	4.000	0.083

E17WW-6L - TUBE X PIPE ADAPTER



Size Tube OD	A	B	SCH5 C	SCH10 C	SCH40 C	D
1/2	0.500	0.370	0.710	0.674	0.622	0.840
3/4	0.750	0.620	0.920	0.884	0.824	1.050
1	1.000	0.870	1.185	1.097	1.049	1.315
1 1/2	1.500	1.370	1.770	1.682	1.610	1.900
2	2.000	1.870	2.245	2.157	2.067	2.375
2 1/2	2.500	2.370	2.709	2.635	2.469	2.875
3	3.000	2.870	3.334	3.260	3.068	3.500
4	4.000	3.834	4.334	4.260	4.026	4.500
6	6.000	5.782	6.407	6.357	6.065	6.625

Size Tube OD	E	T	SCH5 S	SCH10 S	SCH40 S	
1/2	1.000	0.065	0.065	0.083	0.109	
3/4	1.000	0.065	0.065	0.083	0.113	
1	1.000	0.065	0.065	0.109	0.133	
1 1/2	1.500	0.065	0.065	0.109	0.145	
2	1.500	0.065	0.065	0.109	0.154	
2 1/2	1.500	0.065	0.083	0.120	0.203	
3	2.000	0.065	0.083	0.120	0.216	
4	2.000	0.083	0.083	0.120	0.237	
6	3.000	0.109	0.109	0.134	0.280	

SEALING FITTINGS



**Bevel Seat Fittings
John Perry Fittings**



BEVEL SEAT FITTINGS....

Bevel Seat Fittings are used on process equipment and piping to ensure rigidity of the system. Bevel Seat Unions consist of a Threaded Bevel Ferrule mated with a Plain Bevel Ferrule. Both are offered in T304 and T316L material. Hex Union Nuts made of only T304 material are used to complete the union. Gaskets for VNE's Bevel Seat Unions are not required for positive shut-off. However, gaskets may be purchased upon request.

VNE's Bevel Seat Fittings meet all 3A requirements and are available in 1" through 4" sizes.

BEVEL SEAT SPECIFICATIONS....

Size Range: 1" OD through 4" OD

Materials: T304
T316L

Finish: No. 7 - ID & OD
No. 5 - OD only
No. 3 - ID only
No. 1 - unpolished

ORDERING SPECIFICATIONS....

Specify:

- Quantity
- Product description or Part No.
- Size
- Material Type
- Polish Requirements

LIMITED WARRANTY....

VNE Corporation products are warranted to be free from defects in material and workmanship for a period of one year from the date of shipment. Any product that proves to be defective shall be repaired or replaced at the option of VNE, providing it has been used as recommended and in strict accordance with recognized piping practices, and that has not been subject to extraordinary service, such as encountered under severe corrosive or abrasive conditions.

VNE makes no warranties, express or implied, other than those listed above.

VNE shall not be liable for any consequential, indirect, incidental or contingent damages.

VNE CORPORATION

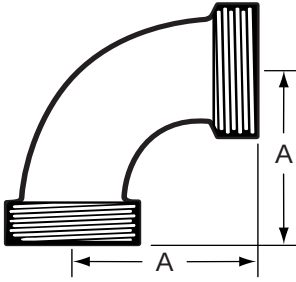
P.O. Box 1698 • 1149 Barberry Drive • Janesville, WI 53547

TEL: 608-756-4930 • FAX: 608-756-3643 • 1-800-356-1111 • Web site: vnestainless.com

BEVEL SEAT TYPE

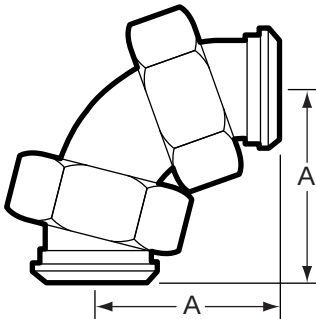
VNE	TRI-CLOVER	WAUKESHA	G & H	JENSEN
2C	2C	2C	2C	2C
2E	2E	2E	2E	2E
2F	2F	2F	2F	2F
2F-31	2F-31	2F-31	2F-31	2F-31
2K	2K	2K	2K	2K
2P	2P	2P	2P	2P
7	7	7	7	7
7A	7A	7A	7A	7A
7B	7B	7B	7B	7B
9	9	9	9	9
9A	9A	9A	9A	9A
13H	13H	13H	13H	13H
14	14	14	14	14
14A	L14A7	14A	G14A	14A
14AHR	14AHR	14AHR	14AHR	14AHR
14AHT	14AHT	14AHT	14AHT	14AHT
14R	14R	14R	14R	14R
14W	14W	14W	14W	14W
14-22	14-22	14-22	14-22	14-18
14WL	14WL	14WL	14WL	14WL
14-19	14-19	21F	21F	14-19
14PR	14PRF	14RW	S2FS	14++
15	15	15	15	15
15TR	15TRF	15RW	S2CS	15++
15A	L15A7	15A	G15A	15A
15AHR	15AHR	15AHR	15AHR	15AHR
15AHT	15AHT	15AHT	15AHT	15AHT
15R	15R	15R	15R	15R
15W	15W	15W	15W	15W
15WL	15WL	15WL	15WL	15WL
16A	16A	16A	16A	16A
21	21	21	21	21
23B	23B	23B	23B	23B
22	22	22	22	22
31TT	31TT	31TT	31TT	31TT
31TP	31TP	31TP	31TP	31TP
31-14F	31-14F	31-14F	31-14F	31-14F
31-15F	31-15F	31-15F	31-15F	31-15F
32-14F	32-14F	32-14F	32-14F	32-14F
32-15F	32-15F	32-15F	32-15F	32-15F

2C - 90° ELBOW THREADED



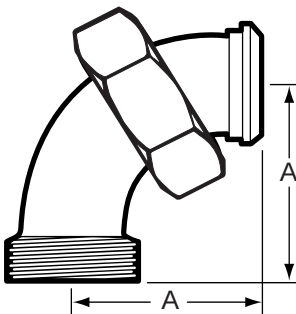
Size Tube OD	A
1	2.187
1 1/2	2.937
2	3.718
2 1/2	4.593
3	5.437
4	7.000

2E - 90° ELBOW BEVEL SEAT WITH 13H NUT



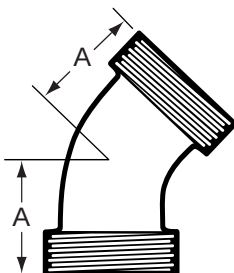
Size Tube OD	A
1	2.000
1 1/2	2.875
2	3.718
2 1/2	4.843
3	5.906
4	8.062

2F - 90° ELBOW THREADED X 13H NUT



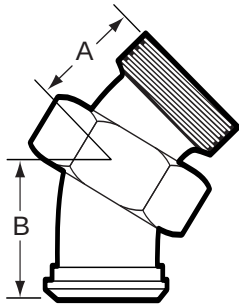
Size Tube OD	A
1	2.000
1 1/2	2.875
2	3.718
2 1/2	4.843
3	5.906
4	8.062

2K - 45° ELBOW THREADED



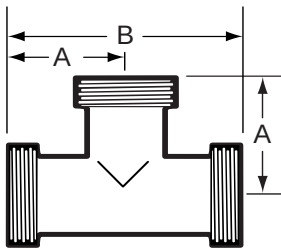
Size Tube OD	A
1	2.000
1 1/2	2.312
2	2.687
2 1/2	3.250
3	3.750
4	4.500

2P - 45° ELBOW 13H NUT X THREAD



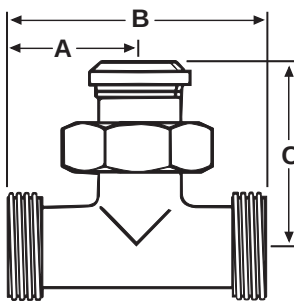
Size Tube OD	A	B
1	1.312	2.000
1 1/2	1.625	2.437
2	1.937	2.750
2 1/2	2.375	3.312
3	2.812	3.625
4	3.500	4.250

7 - TEE ALL ENDS THREADED



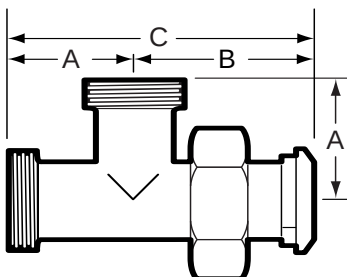
Size Tube OD	A	B
1	1.812	3.625
1 1/2	2.375	4.750
2	2.781	5.437
2 1/2	3.187	6.375
3	3.500	7.000
4	4.656	9.312

7A - TEE THREADED X THREADED X 13H NUT



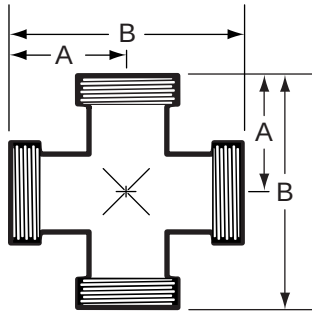
Size Tube OD	A	B	C
1	1.812	3.625	2.500
1 1/2	2.375	4.750	3.125
2	2.781	5.437	3.562
2 1/2	3.187	6.375	4.062
3	3.500	7.000	4.312
4	4.656	9.312	5.375

7B - TEE THREADED X 13H NUT X THREADED



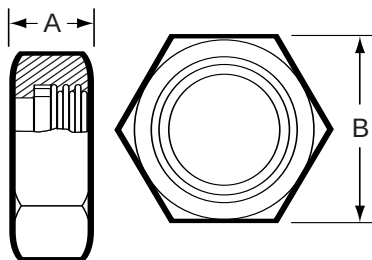
Size Tube OD	A	B	C
1	1.182	2.500	4.313
1 1/2	2.375	3.125	5.500
2	2.781	3.562	6.343
2 1/2	3.187	4.062	7.250
3	3.500	4.312	7.812
4	4.656	5.375	10.031

9 - CROSS THREADED



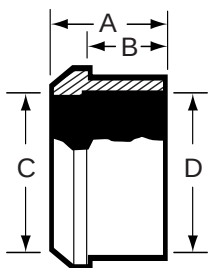
Size Tube OD	A	B
1	1.812	3.625
1 1/2	2.375	4.750
2	2.781	5.437
2 1/2	3.187	6.375
3	3.500	7.000
4	4.656	9.312

13H - HEX UNION NUT



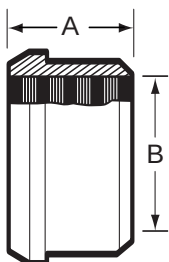
Size Tube OD	A	B
1	0.906	1.812
1 1/2	0.968	2.406
2	1.062	3.000
2 1/2	1.187	3.593
3	1.281	4.187
4	1.500	5.437

14 - PLAIN RECESSED FERRULE (T316L Material Only)



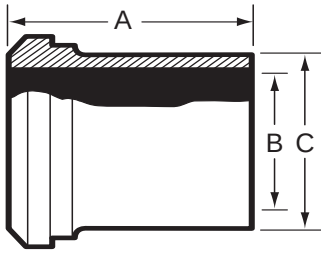
Size Tube OD	A	B	C	D
1	0.750	0.500	0.870	1.000
1 1/2	0.875	0.625	1.370	1.500
2	0.968	0.687	1.870	2.000
2 1/2	1.062	0.750	2.370	2.500
3	1.125	0.812	2.870	3.000
4	1.250	0.812	3.834	4.000

14R - PLAIN RECESSLESS FERRULE (Expanding)



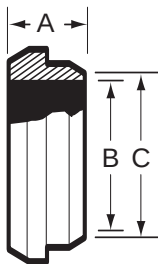
Size Tube OD	A	B
1	0.750	1.000
1 1/2	1.125	1.500
2	1.312	2.000
2 1/2	1.375	2.500
3	1.437	3.000
4	1.500	4.000

14A - PLAIN WELDING FERRULE



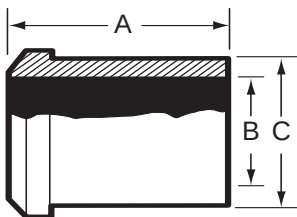
Size Tube OD	A	B	C
1	1.375	0.870	1.000
1 1/2	1.500	1.370	1.500
2	1.500	1.870	2.000
2 1/2	1.750	2.370	2.500
3	1.750	2.870	3.000
4	1.750	3.834	4.000

14PR - SHORT PLAIN WELDING FERRULE



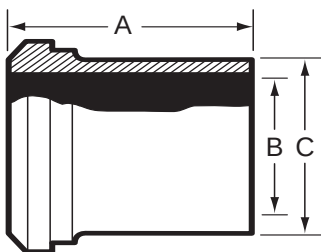
Size Tube OD	A	B	C
1	0.687	0.870	1.000
1 1/2	0.687	1.370	1.500
2	0.718	1.870	2.000
2 1/2	0.843	2.370	2.500
3	0.937	2.870	3.000
4	1.000	3.834	4.000

14W - TANK WELDING PLAIN FERRULE



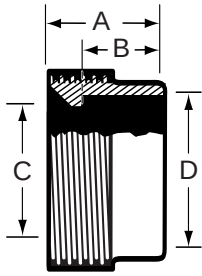
Size Tube OD	A	B	C
1	2.375	0.870	1.156
1 1/2	2.531	1.370	1.671
2	2.781	1.870	2.187
2 1/2	3.062	2.370	2.703
3	3.531	2.870	3.218
4	4.312	3.834	4.250

14WL - LONG PLAIN WELDING FERRULE



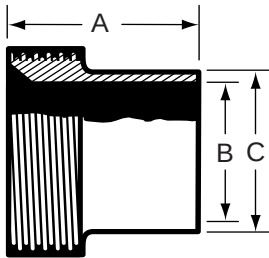
Size Tube OD	A	B	C
1	2.000	0.870	1.000
1 1/2	2.250	1.370	1.500
2	2.500	1.870	2.000
2 1/2	2.750	2.370	2.500
3	3.000	2.870	3.000
4	4.000	3.834	4.000

15 - THREADED RECESSED FERRULE (T316L Material Only)



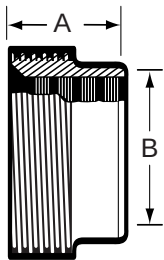
Size Tube OD	A	B	C	D
1	1.187	0.500	0.870	1.000
1 1/2	0.875	0.625	1.370	1.500
2	1.031	0.687	1.870	2.000
2 1/2	1.125	0.750	2.370	2.500
3	1.250	0.812	2.870	3.000
4	1.375	0.937	3.834	4.000

15A - THREADED WELDING FERRULE



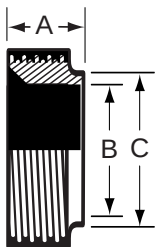
Size Tube OD	A	B	C
1	1.375	0.870	1.000
1 1/2	1.500	1.370	1.500
2	1.500	1.870	2.000
2 1/2	1.750	2.370	2.500
3	1.750	2.870	3.000
4	1.750	3.834	4.000

15R - THREADED RECESSLESS FERRULE (Expanding)



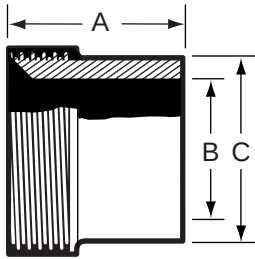
Size Tube OD	A	B
1	0.812	1.000
1 1/2	1.125	1.500
2	1.375	2.000
2 1/2	1.500	2.500
3	1.625	3.000
4	1.625	4.000

15TR - SHORT THREADED WELDING FERRULE



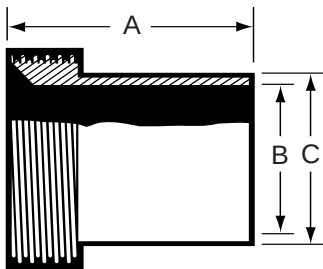
Size Tube OD	A	B	C
1	0.687	0.870	1.000
1 1/2	0.687	1.370	1.500
2	0.718	1.870	2.000
2 1/2	0.843	2.370	2.500
3	0.937	2.870	3.000
4	1.000	3.834	4.000

15W - TANK WELDING FERRULE



Size Tube OD	A	B	C
1	1.500	0.870	1.250
1 1/2	1.625	1.370	1.750
2	1.750	1.870	2.312
2 1/2	1.750	2.370	2.875
3	1.812	2.870	3.375
4	2.125	3.834	4.250

15WL - LONG WELDING FERRULE



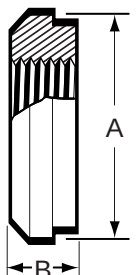
Size Tube OD	A	B	C
1	2.000	0.870	1.000
1 1/2	2.250	1.370	1.500
2	2.500	1.870	2.000
2 1/2	2.750	2.370	2.500
3	3.000	2.870	3.000
4	4.000	3.834	4.000

16A - PLAIN CAP



Size Tube OD	A	B
1	1.312	0.468
1 1/2	1.843	0.562
2	2.375	0.625
2 1/2	2.906	0.656
3	3.437	0.718
4	4.500	0.812

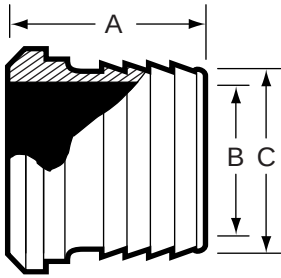
23B - TAPPED THERMOMETER CAP



Size Tube OD	A	B
*1	1.312	0.468
1 1/2	1.843	0.562
2	2.375	0.625
2 1/2	2.906	0.656
3	3.437	0.718
4	4.500	0.812

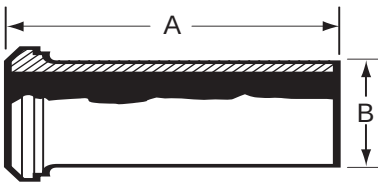
*1" Standard 1/2" FNPT. All others 3/4".

14AHR - RUBBER HOSE ADAPTER



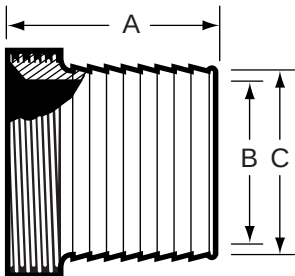
Size Tube OD	A	B	C
1	1.687	0.870	1.000
1 1/2	1.687	1.370	1.500
2	2.312	1.870	2.000
2 1/2	2.343	2.370	2.000
3	3.500	2.870	3.000
4	4.000	3.834	4.000

14AHT - TYGON HOSE ADAPTER



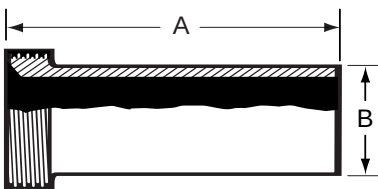
Size Tube OD	A	B
1	4.687	1.000
1 1/2	4.718	1.500
2	4.718	2.000
2 1/2	4.843	2.500
3	4.906	3.000
4	5.218	4.000

15AHR - THREADED RUBBER HOSE ADAPTER



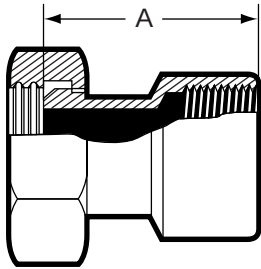
Size Tube OD	A	B	C
1	1.687	0.870	1.000
1 1/2	1.687	1.370	1.500
2	2.312	1.870	2.000
2 1/2	2.343	2.370	2.000
3	3.500	2.870	3.000
4	4.000	3.834	4.000

15AHT - THREADED TYGON HOSE ADAPTER



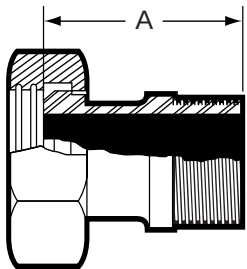
Size Tube OD	A	B
1	4.687	1.000
1 1/2	4.718	1.500
2	4.718	2.000
2 1/2	4.843	2.500
3	4.906	3.000
4	5.218	4.000

14-22 - ADAPTER 13H NUT X FNPT



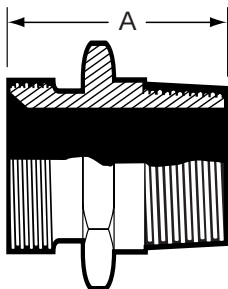
Size Tube OD	A
1	2.500
1 1/2	2.937
2	2.937
2 1/2	3.375
3	3.562
4	3.750

14-19 - ADAPTER 13H NUT X MNPT



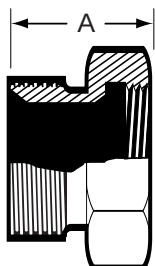
Size Tube OD	A
1	3.125
1 1/2	3.250
2	3.312
2 1/2	4.062
3	4.250
4	4.312

21 - ADAPTER ACME THREAD X MNPT



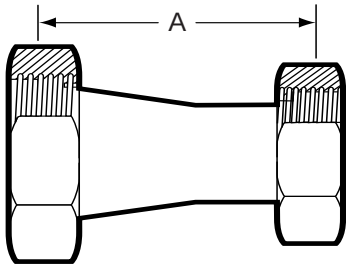
Size Tube OD	A
1	2.437
1 1/2	2.437
2	2.531
2 1/2	3.156
3	3.406
4	3.593

22 - ADAPTER ACME THREAD X FNPT



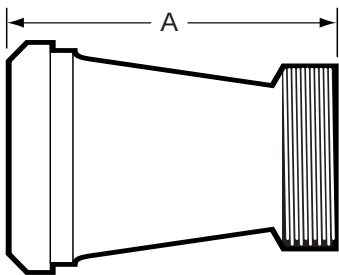
Size Tube OD	A
1	1.937
1 1/2	2.156
2	2.156
2 1/2	2.468
3	2.718
4	3.031

31-14F - CONCENTRIC REDUCER 13H X 13H



Size Tube OD	A
1 1/2 x 1	4.062
2 x 1	6.093
2 x 1 1/2	4.218
2 1/2 x 1 1/2	6.343
2 1/2 x 2	4.343
3 x 2	6.437
3 x 2 1/2	4.687
4 x 2 1/2	8.750
4 x 3	6.750

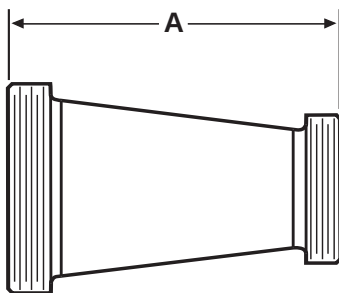
31-15F - CONCENTRIC REDUCER PLAIN BEVEL X THREAD



Size Tube OD	A
*1 1/2 x 1	3.375
2 x 1	5.406
2 x 1 1/2	3.406
2 1/2 x 1 1/2	5.531
2 1/2 x 2	3.562
3 x 2	5.656
3 x 2 1/2	3.781
4 x 2 1/2	7.843
4 x 3	5.937

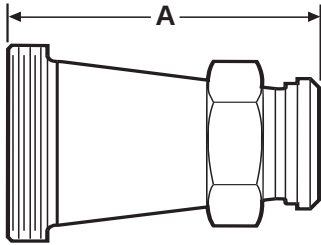
*Hex Nut included.

31TT - CONCENTRIC REDUCER THREAD X THREAD



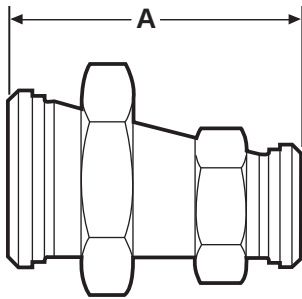
Size Tube OD	A
1 1/2 x 1	3.375
2 x 1	5.406
2 x 1 1/2	3.406
2 1/2 x 1 1/2	5.531
2 1/2 x 2	3.562
3 x 2	5.656
3 x 2 1/2	3.781
4 x 2 1/2	7.843
4 x 3	5.937

31TP - CONCENTRIC REDUCER THREAD X 13H NUT



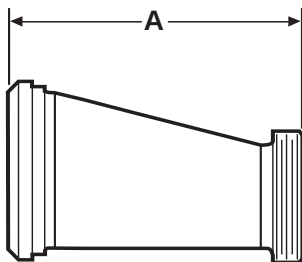
Size Tube OD	A
1 1/2 x 1	4.062
2 x 1	6.093
2 x 1 1/2	4.218
2 1/2 x 1 1/2	6.343
2 1/2 x 2	4.343
3 x 2	6.437
3 x 2 1/2	4.687
4 x 2	10.500
4 x 2 1/2	8.750
4 x 3	6.750

32-14F - ECCENTRIC REDUCER 13H NUT X 13H NUT



Size Tube OD	A
1 1/2 x 1	4.062
2 x 1	6.093
2 x 1 1/2	4.218
2 1/2 x 1 1/2	6.143
2 1/2 x 2	4.343
3 x 2	6.437
3 x 2 1/2	4.687
4 x 2	10.500
4 x 2 1/2	8.750
4 x 3	6.750

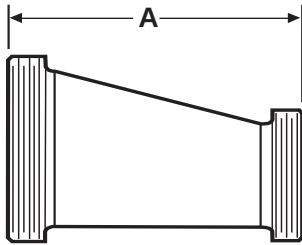
32-15F - ECCENTRIC REDUCER PLAIN BEVEL X THREAD



Size Tube OD	A
*1 1/2 x 1	3.375
2 x 1	5.406
2 x 1 1/2	3.406
2 1/2 x 1 1/2	5.531
2 1/2 x 2	3.562
3 x 2	5.656
3 x 2 1/2	3.781
4 x 2	9.718
4 x 2 1/2	7.843
4 x 3	5.937

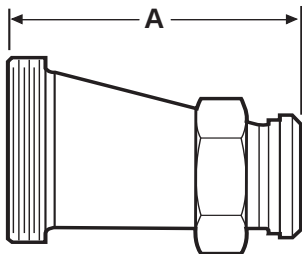
*Hex Nut included.

32TT - ECCENTRIC REDUCER THREAD X THREAD



Size Tube OD	A
1 1/2 x 1	3.375
2 x 1	5.406
2 x 1 1/2	3.406
2 1/2 x 1 1/2	5.531
2 1/2 x 2	3.562
3 x 2	5.656
3 x 2 1/2	3.781
4 x 2	9.718
4 x 2 1/2	7.843
4 x 3	5.937

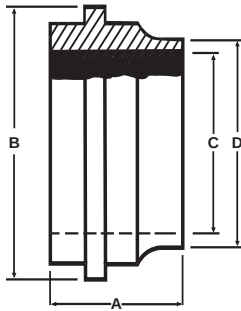
32TP - ECCENTRIC REDUCER THREAD X 13H NUT



Size Tube OD	A
1 1/2 x 1	4.062
2 x 1	6.093
2 x 1 1/2	4.218
2 1/2 x 1 1/2	6.343
2 1/2 x 2	4.343
3 x 2	6.437
3 x 2 1/2	4.687
4 x 2	10.500
4 x 2 1/2	8.750
4 x 3	6.750

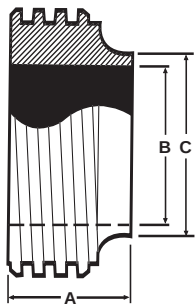
JOHN PERRY (T316L Material Only)

14PRJP - SHORT PLAIN WELDING FERRULE



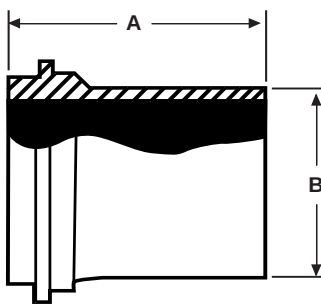
Size Tube OD	A	B	C	D
1	0.643	1.316	0.870	1.000
1 1/2	0.643	1.848	1.370	1.500
2	0.710	2.380	1.870	2.000
2 1/2	0.807	2.912	2.370	2.500
3	0.807	3.444	2.870	3.000
4	1.009	4.508	3.834	4.000

15TRJP - SHORT THREAD WELDING FERRULE



Size Tube OD	A	B	C
1	0.625	0.870	1.000
1 1/2	0.625	1.370	1.500
2	0.684	1.870	2.000
2 1/2	0.743	2.370	2.500
3	0.806	2.870	3.000
4	0.900	3.834	4.000

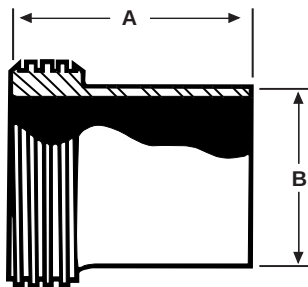
14AJP - LONG PLAIN WELDING FERRULE



Size Tube OD	A	B
1	1.375	1.000
1 1/2	1.500	1.500
2	1.500	2.000
2 1/2	1.750	2.500
3	1.750	3.000
4	1.750	4.000

JOHN PERRY (T316L Material Only)

15AJP - LONG THREAD WELDING FERRULE



Size Tube OD	A	B
1	1.375	1.000
1 1/2	1.500	1.500
2	1.500	2.000
2 1/2	1.750	2.500
3	1.750	3.000
4	1.750	4.000

16AJP - CAP



Size Tube OD	A	B
1	1.125	0.468
1 1/2	1.656	0.500
2	2.187	0.531
2 1/2	2.656	0.594
3	3.187	0.625
4	4.187	0.625



E-Line Fittings



E-LINE FITTINGS....

E-Line Fittings have a male and female interface construction to ensure rigidity of your system.

VNE offers E-Line Fittings in sizes 1" through 6" in T304 and T316L material. VNE offers Polished ID and OD Fittings for immediate shipment. Other polished combinations may be ordered.

Gaskets for E-Line Fittings are available in several different materials, Buna-N, EPDM, Teflon®, Silicone, and Viton.

E-LINE FITTING SPECIFICATIONS....

Size Range: 1" OD through 6" OD

Materials: T304
T316L

Finish: No. 7 - ID & OD
No. 5 - OD only
No. 3 - ID only
No. 1 - unpolished

ORDERING SPECIFICATIONS....

Specify:

- Quantity
- Product description or Part No.
- Size
- Material Type
- Polish Requirements

LIMITED WARRANTY....

VNE Corporation products are warranted to be free from defects in material and workmanship for a period of one year from the date of shipment. Any product that proves to be defective shall be repaired or replaced at the option of VNE, providing it has been used as recommended and in strict accordance with recognized piping practices, and that has not been subject to extraordinary service, such as encountered under severe corrosive or abrasive conditions.

VNE makes no warranties, express or implied, other than those listed above.

VNE shall not be liable for any consequential, indirect, incidental or contingent damages.

VNE CORPORATION

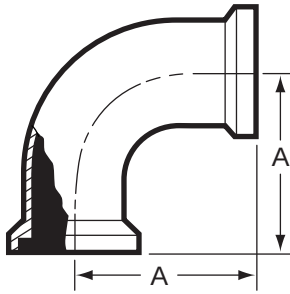
P.O. Box 1698 • 1149 Barberry Drive • Janesville, WI 53547

TEL: 608-756-4930 • FAX: 608-756-3643 • 1-800-356-1111 • Web site: vnestainless.com

E-LINE TYPE

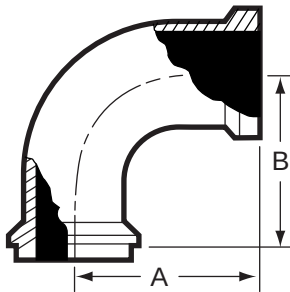
VNE	ROBERT JAMES	ANDRON	WAUKESHA	G & H
E2CI	RJ2CZ	----	2CI	HDI-2C
E2FI	RJ2FZ	----	2FI	HDI-2F
E2EI	----	----	2EI	HDI-2E
E2KI	RJ2KZ	----	2KI	HDI-2K
E2PI	RJ2PZ	----	2PI	HDI-2P
E7I	RJ7Z	----	7I	HDI-7
E7AI	RJ7AZ	----	7AI	----
E7EI	RJ7EZ	----	7EI	----
E7BI	RJ7BZ	----	7BI	----
E9I	RJ9Z	----	9I	----
E13IS	RJ13ZS	----	13IS	HDI-13-UD
E13IU	RJ13Z	----	13IU	HDI-13-U
E14WI	RJ14WZ	AY14WI	14WI	14WH
E15WI	RJ15WZ	AY15WI	15WI	15WH
E14WLI	RJ14WLZ	AY14WLI	14WLI	14WLH
E15WLI	RJ15WLZ	AY15WLI	15WLI	15WLH
E14HRI	RJ14HRZ	AY14AHR	14HRI	----
E14HTI	RJ14HTZ	AY14AHT	14HTI	----
E15HRI	RJ15HRZ	AY15AHR	15HRI	----
E15HTI	RJ15HTZ	AY15AHT	15HTI	----
E17-14I-15I	RJ17-14Z-15Z	----	17-14I-15I	----
E17-15I-15I	RJ17-15Z-15Z	----	17-15I-15I	----
E17-14I-14I	RJ17-14Z-14Z	----	17-14I-14I	----
E17-14I-14	RJ17-14Z-14	----	17-14I-14	----
E17-14I-14MP	RJ17-14Z-14MP	----	17-14I-14MP	----
E17-14I-15	RJ17-14Z-15	----	17-14I-15	----
E17-15I-14	RJ17-15Z-14	----	17-15I-14	----
E17-15I-15	RJ17-15Z-15	----	17-15I-15I	----
E17-15I-14MP	RJ17-15Z-14MP	----	17-15I-14MP	----
E21I-14I	RJ21-14Z	----	21FI-14I	----
E21I-15I	RJ21-15Z	----	21F1-15I	----
E22I-14I	RJ22-14Z	----	22FI-14I	----
E22I-15I	RJ22-15Z	----	22FI-15I	----
E16AI-14I	RJ16AZ-14Z	AY16AI-14I	16AI-14I	HDI-16A-14
E16AI-15I	RJ16AZ-15Z	AY16AI-15I	16AI-15I	HDI-16A-15
E31I-14I	RJ31Z-14Z	----	31I-14FI	HDI-31-14F
E31I-15I	RJ31Z-15Z	----	31I-15FI	HDI-31-15F
E31I-15I-14I	RJ31Z-15Z-14Z	----	----	----
E31I-15I-15I	RJ31Z-15Z-15Z	----	----	----
E32I-14I	RJ32Z-14Z	----	32I-14FI	HDI-32-14F
E32I-15I	RJ32Z-15Z	----	32I-15FI	HDI-32-15F

E2CI - 90° ELBOW FEMALE X FEMALE



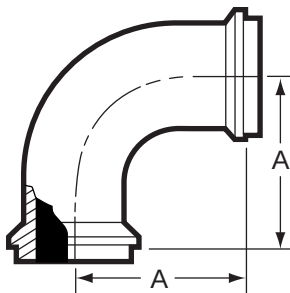
Size Tube OD	A
1	2.281
1 1/2	3.182
2	4.031
2 1/2	4.906
3	5.718
4	7.343
6	10.125

E2FI - 90° ELBOW MALE X FEMALE



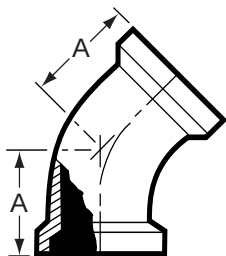
Size Tube OD	A	B
1	2.281	2.093
1 1/2	3.187	3.000
2	4.031	3.781
2 1/2	4.906	4.593
3	5.718	5.406
4	7.343	7.031
6	10.125	9.187

E2EI - 90° ELBOW MALE X MALE



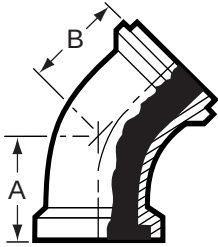
Size Tube OD	A
1	2.093
1 1/2	3.000
2	3.781
2 1/2	4.593
3	5.406
4	7.031
6	9.187

E2KI - 45° ELBOW FEMALE X FEMALE



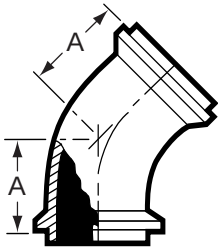
Size Tube OD	A
1	1.406
1 1/2	1.875
2	2.281
2 1/2	2.718
3	3.093
4	3.843
6	4.875

E2PI - 45° ELBOW FEMALE X MALE



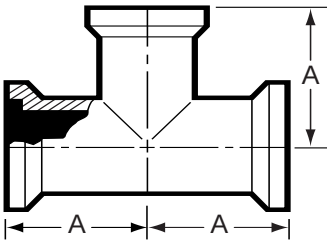
Size Tube OD	A	B
1	1.406	1.218
1 1/2	1.875	1.687
2	2.281	2.031
2 1/2	2.718	2.406
3	3.093	2.781
4	3.843	3.531
6	4.875	4.562

E2HI - 45° ELBOW MALE X MALE



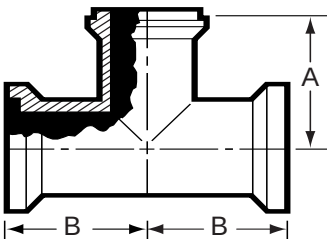
Size Tube OD	A
1	1.218
1 1/2	1.687
2	2.031
2 1/2	2.406
3	2.781
4	3.531
6	4.562

E7I - TEE ALL ENDS FEMALE



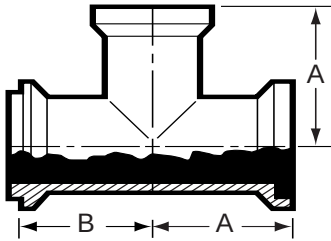
Size Tube OD	A
1	1.875
1 1/2	2.593
2	3.062
2 1/2	3.468
3	3.812
4	4.968
6	6.750

E7AI - TEE FEMALE X FEMALE X MALE



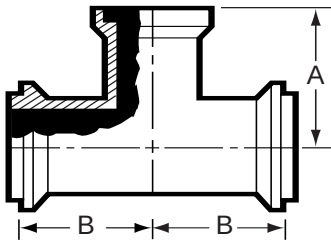
Size Tube OD	A	B
1	1.687	1.875
1 1/2	2.406	2.593
2	2.812	3.062
2 1/2	3.156	3.468
3	3.500	3.812
4	4.656	4.968
6	6.437	6.750

E7BI - TEE MALE X FEMALE X FEMALE



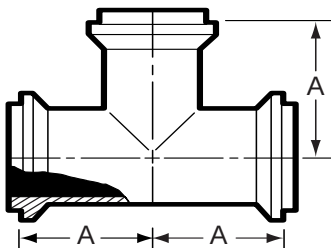
Size Tube OD	A	B
1	1.875	1.687
1 1/2	2.593	2.406
2	3.062	2.812
2 1/2	3.468	3.156
3	3.812	3.500
4	4.968	4.656
6	6.750	6.437

E7EI - TEE MALE X MALE X FEMALE



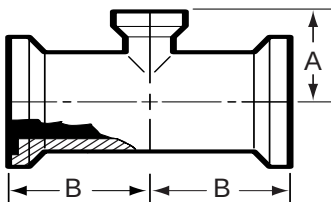
Size Tube OD	A	B
1	1.875	1.687
1 1/2	2.593	2.406
2	3.062	2.812
2 1/2	3.468	3.156
3	3.812	3.500
4	4.968	4.656
6	6.750	6.437

E7HI - TEE ALL ENDS MALE



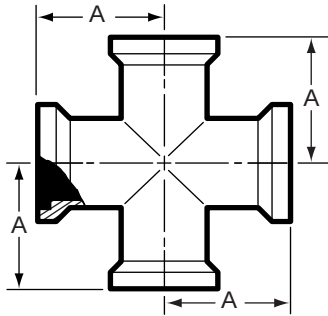
Size Tube OD	A
1	1.687
1 1/2	2.406
2	2.812
2 1/2	3.156
3	3.500
4	4.656
6	6.437

E7RI - REDUCING TEE ALL ENDS FEMALE



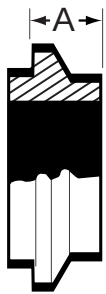
Size Tube OD	A	B
1 1/2 x 1	2.156	2.593
2 x 1	3.093	4.031
2 x 1 1/2	2.718	3.062
2 1/2 x 1 1/2	4.156	4.000
2 1/2 x 2	3.312	3.500
3 x 2	3.562	3.812
3 x 2 1/2	3.750	3.812
4 x 2	5.031	5.218
4 x 2 1/2	4.906	5.218
4 x 3	4 3/84 29/32	5.218
6 x 3	6.843	6.750
6 x 4	6.968	6.750

E9I - CROSS ALL ENDS FEMALE



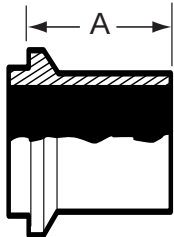
Size Tube OD	A
1	1.875
1 1/2	2.593
2	3.062
2 1/2	3.468
3	3.812
4	4.968
6	6.750

E14WI - SHORT MALE WELDING FERRULE



Size Tube OD	A
1	0.593
1 1/2	0.750
2	0.781
2 1/2	0.843
3	0.906
4	1.031
6	0.812

E14WLI - LONG MALE WELDING FERRULE



Size Tube OD	A
1	1.563
1 1/2	1.843
2	2.062
2 1/2	2.187
3	2.375
4	2.687
6	3.812

E15WI - SHORT FEMALE WELDING FERRULE



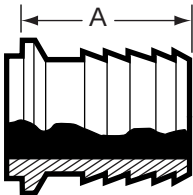
Size Tube OD	A
1	0.781
1 1/2	0.937
2	1.031
2 1/2	1.156
3	1.218
4	1.343
6	1.125

E15WLI - LONG FEMALE WELDING FERRULE



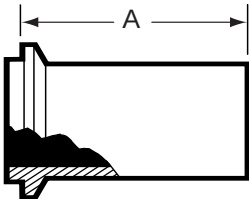
Size Tube OD	A
1	1.750
1 1/2	2.031
2	2.312
2 1/2	2.500
3	2.687
4	3
6	4

E14HRI - MALE RUBBER HOSE ADAPTER



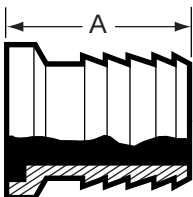
Size Tube OD	A
1	3.562
1 1/2	3.750
2	3.750
2 1/2	3.812
3	3.875
4	4.062
6	8.812

E14HTI - MALE TYGON HOSE ADAPTER



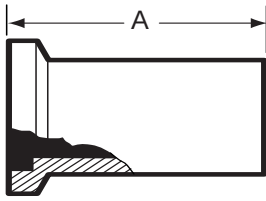
Size Tube OD	A
1	4.062
1 1/2	4.281
2	4.500
2 1/2	4.812
3	5.062
4	5.187

E15HRI - FEMALE RUBBER HOSE ADAPTER



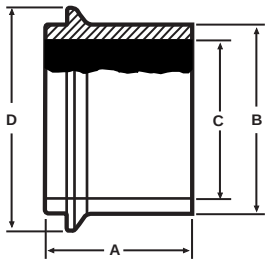
Size Tube OD	A
1	3.750
1 1/2	3.937
2	4.062
2 1/2	4.125
3	4.187
4	4.375
6	9.125

E15HTI - FEMALE TYGON HOSE ADAPTER



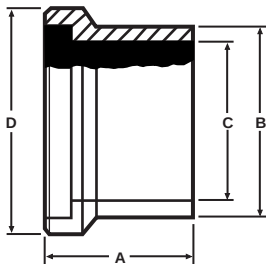
Size Tube OD	A
1	4.250
1 1/2	4.468
2	4.750
2 1/2	5.125
3	5.375
4	5.500

E14WHI - MALE WELD FERRULE



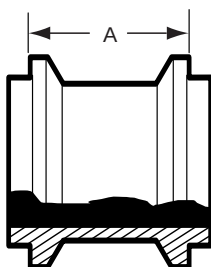
Size Tube OD	A	B	C	D
1	1.625	1.160	0.870	2.000
1 1/2	1.625	1.687	1.370	2.008
2	1.750	2.250	1.870	2.648
2 1/2	1.750	2.708	2.370	3.317
3	1.812	3.313	2.870	3.868
4	2.125	4.250	3.834	4.882

E15WHI - FEMALE WELD FERRULE



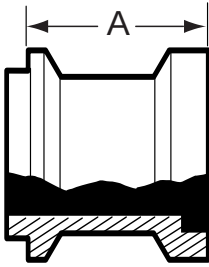
Size Tube OD	A	B	C	D
1	1.625	1.160	0.870	2.000
1 1/2	1.625	1.687	1.370	2.008
2	1.750	2.250	1.870	2.648
2 1/2	1.750	2.708	2.370	3.317
3	1.812	3.313	2.870	3.868
4	2.125	4.250	3.834	4.882

E17-14I-14I - ADAPTER BOTH ENDS MALE



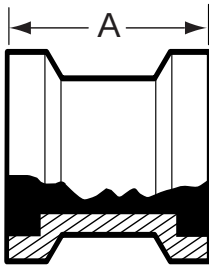
Size Tube OD	A
1	1.187
1 1/2	1.500
2	1.562
2 1/2	1.687
3	1.812
4	2.062
6	1.625

E17-14I-15I - ADAPTER MALE X FEMALE



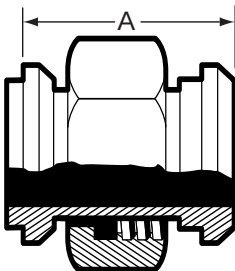
Size Tube OD	A
1	1.375
1 1/2	1.687
2	1.812
2 1/2	1.937
3	2.125
4	2.375
6	1.937

E17-15I-15I - ADAPTER BOTH ENDS FEMALE



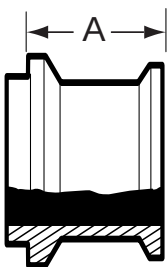
Size Tube OD	A
1	1.562
1 1/2	1.875
2	2.062
2 1/2	2.312
3	2.437
4	2.687
6	2.250

E17-14I-14-ADAPTER MALE X 13H NUT



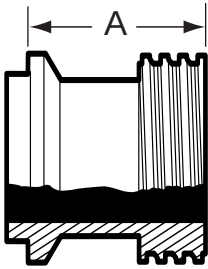
Size Tube OD	A
1	1.968
1 1/2	2.250
2	2.250
2 1/2	2.562
3	2.687
4	2.812

E17-14I-14MP - ADAPTER MALE X CLAMP



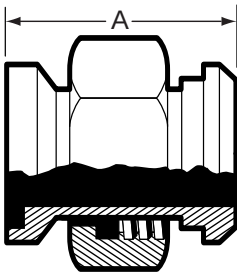
Size Tube OD	A
1	1.093
1 1/2	1.250
2	1.250
2 1/2	1.312
3	1.406
4	1.656
6	1.687

E17-14I-15 - ADAPTER MALE X ACME THREAD



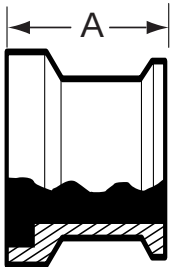
Size Tube OD	A
1	1.031
1 1/2	1.468
2	1.500
2 1/2	1.687
3	1.812
4	2.062

E17-15I-14 - ADAPTER FEMALE X 13H NUT



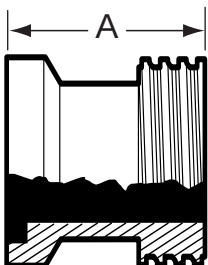
Size Tube OD	A
1	2.156
1 1/2	2.437
2	2.500
2 1/2	2.875
3	3.000
4	3.093

E17-15I-14MP - ADAPTER FEMALE X CLAMP



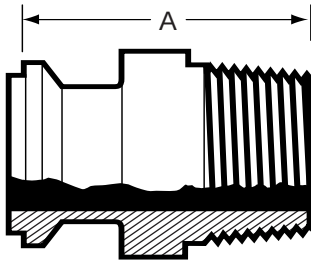
Size Tube OD	A
1	1.281
1 1/2	1.437
2	1.500
2 1/2	1.625
3	1.718
4	1.968
6	2.000

E17-15I-15 - ADAPTER FEMALE X ACME THREAD



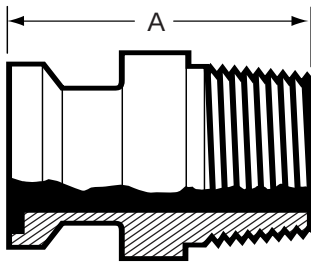
Size Tube OD	A
1	1.562
1 1/2	1.656
2	1.750
2 1/2	2.000
3	2.125
4	2.375

E21I-14I - ADAPTER MALE X MNPT



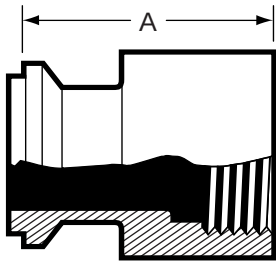
Size Tube OD	A
1	2.343
1 1/2	2.500
2	2.593
2 1/2	3.125
3	3.406
4	3.593
6	4.812

E21I-15I - ADAPTER FEMALE X MNPT



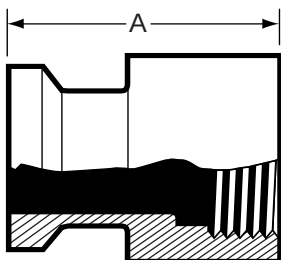
Size Tube OD	A
1	2.531
1 1/2	2.687
2	2.843
2 1/2	3.437
3	3.718
4	3.906
6	5.125

E22I-14I - ADAPTER MALE X FNPT



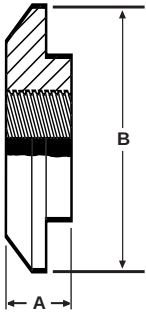
Size Tube OD	A
1	1.687
1 1/2	2.187
2	2.218
2 1/2	2.437
3	2.718
4	3.031

E22I-15I - ADAPTER FEMALE X FNPT



Size Tube OD	A
1	1.906
1 1/2	2.375
2	2.468
2 1/2	2.781
3	3.031
4	3.343

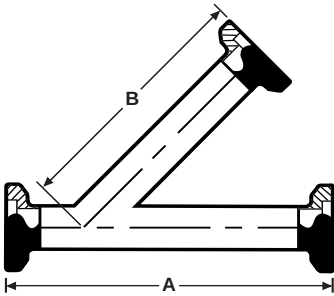
E23BI - THERMOMETER CAP



Size Tube OD	A	B
*1	0.500	2.000
1 1/2	0.500	2.000
2	0.562	2.625
2 1/2	0.750	3.312
3	0.750	3.875
4	0.750	4.875

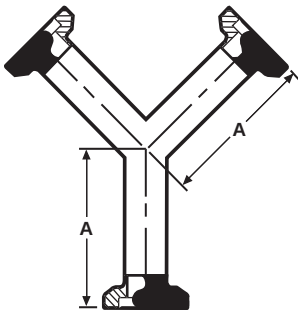
*STD 1/2" FNPT. All others 3/4" FNPT.

E28AI - LATERAL ALL ENDS FEMALE



Size Tube OD	A	B
1	7.562	5.781
1 1/2	9.250	7.125
2	10.687	8.156
2 1/2	12.437	9.656
3	13.187	10.093
4	15.500	12.093
6	19.125	15.625

E28BI - TRUE Y ALL ENDS FEMALE



Size Tube OD	A
1	3.781
1 1/2	3.937
2	5.031
2 1/2	6.156
3	7.218
4	9.343
6	9.125

E16AI-14I - MALE END CAP



Size Tube OD	A	B
1	2.000	0.500
1 1/2	2.000	0.500
2	2.625	0.562
2 1/2	3.312	0.750
3	3.875	0.750
4	4.875	0.750
6	7.500	0.875

E16AI-15I - FEMALE END CAP



Size Tube OD	A	B
1	2.000	0.500
1 1/2	2.000	0.500
2	2.625	0.687
2 1/2	3.312	0.750
3	3.875	0.750
4	4.875	0.750
6	7.500	0.750

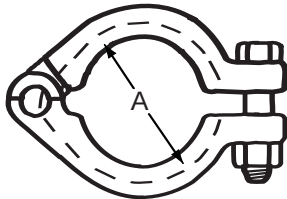
GASKETS



Gasket Materials	Part Number
Buna N	E40IH
EPDM	E40IE
Teflon	E40IT
Viton®	E40IV
Silicone	E40IS

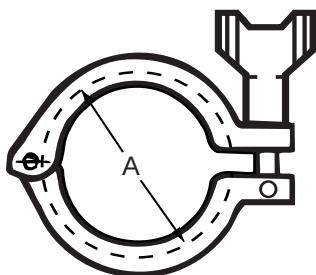
Available in 1" to 6" sizes.

E13IU - BOLTED CLAMP



Size Tube OD	A
1	2.122
1 1/2	2.122
2	2.800
2 1/2	3.500
3	4.060
4	5.000
6	7.625

E13IS - HEAVY DUTY CLAMP



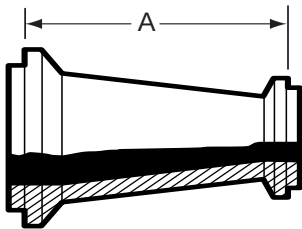
Size Tube OD	A
1	2.122
1 1/2	2.122
2	2.800
2 1/2	3.500
3	4.060
4	5.000
6	7.625

*PSI SERVICE RATINGS FOR SANITARY STAINLESS STEEL CLAMPS

Size Tube OD	E13IU		E13IS	
	@70°F	@250°F	@70°F	@250°F
1" & 1 1/2"	500	250	500	250
2"	450	250	450	250
2 1/2"	400	200	400	200
3"	350	150	350	150
4"	200	125	200	125
6"	150	75	150	75

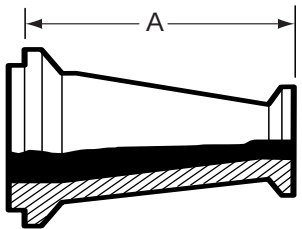
*Service ratings are based upon hydrostatic tests using Standard Molded Buna-N gasket material with proper expansion of ferrules, joint assembly, and the absence of shock pressure. All ratings systems are dependent upon related components in the system and proper installation.

E31I-14I - CONCENTRIC REDUCER MALE X MALE



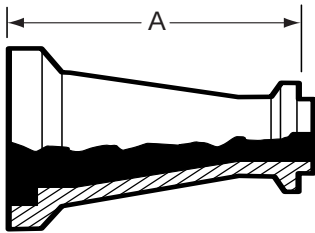
Size Tube OD	A
1 1/2 x 1	3.343
2 x 1	5.375
2 x 1 1/2	3.500
2 1/2 x 1 1/2	5.593
2 1/2 x 2	3.562
3 x 1 1/2	7.656
3 x 2	5.625
3 x 2 1/2	3.750
4 x 2	9.812
4 x 2 1/2	7.875
4 x 3	5.937
6 x 3	7.218
6 x 4	7.343

E31I-14I-15I - CONCENTRIC REDUCER MALE X FEMALE



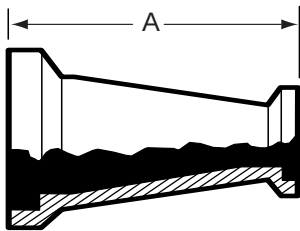
Size Tube OD	A
1 1/2 x 1	3.531
2 x 1	5.562
2 x 1 1/2	3.718
2 1/2 x 1 1/2	5.781
2 1/2 x 2	4.875
3 x 1 1/2	7.843
3 x 2	5.937
3 x 2 1/2	4.062
4 x 2	10.062
4 x 2 1/2	8.187
4 x 3	6.250
6 x 3	7.406
6 x 4	7.875

E31I-15I-14I - CONCENTRIC REDUCER FEMALE X MALE



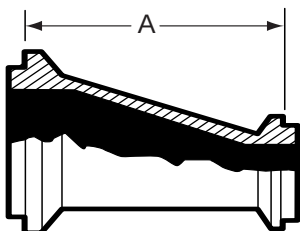
Size Tube OD	A
1 1/2 x 1	3.531
2 x 1	5.625
2 x 1 1/2	3.781
2 1/2 x 1 1/2	5.906
2 1/2 x 2	3.937
3 x 1 1/2	7.968
3 x 2	6.000
3 x 2 1/2	4.062
4 x 2	10.125
4 x 2 1/2	8.187
4 x 3	6.250
6 x 3	7.531
6 x 4	7.656

E31I-15I - CONCENTRIC REDUCER BOTH ENDS FEMALE



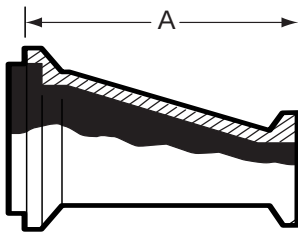
Size Tube OD	A
1 1/2 x 1	3.718
2 x 1	5.812
2 x 1 1/2	3.968
2 1/2 x 1 1/2	6.093
2 1/2 x 2	4.187
3 x 1 1/2	8.156
3 x 2	6.250
3 x 2 1/2	4.375
4 x 2	10.375
4 x 2 1/2	8.500
4 x 3	6.562
6 x 3	7.843
6 x 4	7.968

E32I-14I - ECCENTRIC REDUCER MALE X MALE



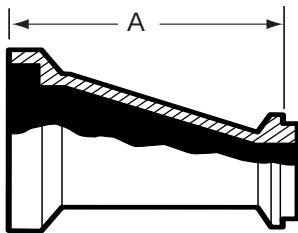
Size Tube OD	A
1 1/2 x 1	3.343
2 x 1	5.375
2 x 1 1/2	3.500
2 1/2 x 1 1/2	5.593
2 1/2 x 2	3.562
3 x 1 1/2	7.656
3 x 2	5.625
3 x 2 1/2	3.750
4 x 2	9.812
4 x 2 1/2	7.875
4 x 3	5.937
6 x 3	7.218
6 x 4	7.968

E32I-14I-15I - ECCENTRIC REDUCER MALE X FEMALE



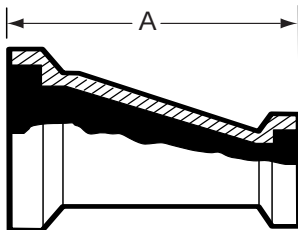
Size Tube OD	A
1 1/2 x 1	3.531
2 x 1	5.562
2 x 1 1/2	3.718
2 1/2 x 1 1/2	5.781
2 1/2 x 2	4.875
3 x 1 1/2	7.843
3 x 2	5.937
3 x 2 1/2	4.062
4 x 2	10.062
4 x 2 1/2	8.187
4 x 3	6.250
6 x 3	7.406
6 x 4	7.875

E32I-15I-14I - ECCENTRIC REDUCER FEMALE X MALE



Size Tube OD	A
1 1/2 x 1	3.531
2 x 1	5.625
2 x 1 1/2	3.781
2 1/2 x 1 1/2	5.906
2 1/2 x 2	3.937
3 x 1 1/2	7.968
3 x 2	6.000
3 x 2 1/2	4.062
4 x 2	10.125
4 x 2 1/2	8.187
4 x 3	6.250
6 x 3	7.531
6 x 4	7.656

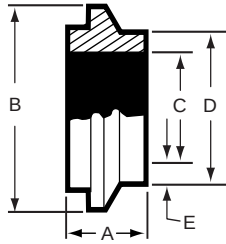
E32I-15I - ECCENTRIC REDUCER BOTH ENDS FEMALE



Size Tube OD	A
1 1/2 x 1	3.718
2 x 1	5.812
2 x 1 1/2	3.968
2 1/2 x 1 1/2	6.093
2 1/2 x 2	4.187
3 x 1 1/2	8.156
3 x 2	6.250
3 x 2 1/2	4.375
4 x 2	10.375
4 x 2 1/2	8.500
4 x 3	6.585
6 x 3	7.687
6 x 4	8.000

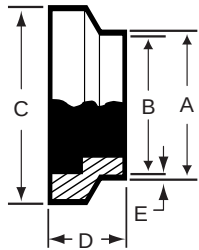
SCHEDULE 5 - (T316L)

E14WI-5 - SHORT MALE WELDING FERRULE



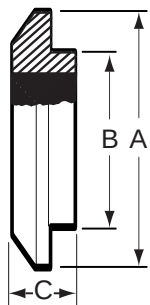
Size Pipe	A	B	C	D	E
1	0.945	2.000	1.185	1.315	0.065
1 1/2	1.024	2.648	1.770	1.900	0.065
2	1.142	3.317	2.245	2.375	0.065
2 1/2	1.220	3.868	2.709	2.875	0.083
3	1.343	4.882	3.334	3.500	0.083
4	1.343	5.882	4.334	4.500	0.083

E15WI-5 - SHORT FEMALE WELDING FERRULE



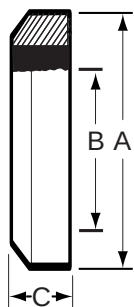
Size Pipe	A	B	C	D	E
1	1.315	1.185	2.000	0.945	0.065
1 1/2	1.900	1.770	2.648	1.024	0.065
2	2.375	2.245	3.317	1.142	0.065
2 1/2	2.875	2.709	3.868	1.220	0.083
3	3.500	3.334	4.882	1.343	0.083
4	4.500	4.334	5.882	1.343	0.083

E16AI-14I-5 - MALE END CAP



Size Pipe	A	B	C
1	2.000	1.751	0.500
1 1/2	2.648	2.244	0.585
2	3.317	2.746	0.750
2 1/2	3.868	3.307	0.750
3	4.882	4.295	0.750
4	5.882	5.295	0.750

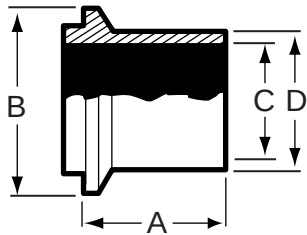
E16AI-15I-5 - FEMALE END CAP



Size Pipe	A	B	C
1	2.000	1.772	0.500
1 1/2	2.684	2.264	0.687
2	3.317	2.766	0.750
2 1/2	3.868	3.327	0.750
3	4.882	4.311	0.750
4	5.882	5.311	0.750

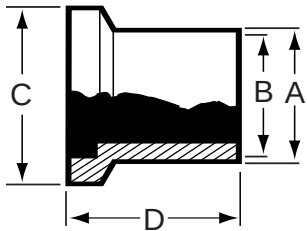
SCHEDULE 5 - (T316L)

E14WLI-5 - LONG MALE WELDING FERRULE



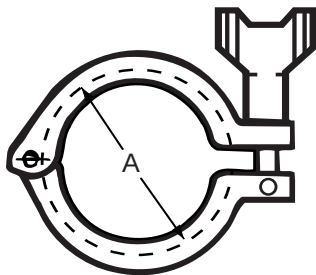
Size Pipe	A	B	C	D
1	1.562	2.000	1.185	1.315
1 1/2	1.843	2.648	1.770	1.900
2	2.062	3.317	2.245	2.375
2 1/2	1.562	3.868	2.709	2.875
3	1.562	4.882	3.334	3.500
4	1.562	5.882	4.334	4.500

E15WLI-5 - LONG FEMALE WELDING FERRULE



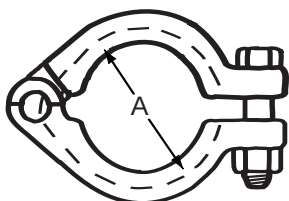
Size Pipe	A	B	C	D
1	1.315	1.185	2.000	1.750
1 1/2	1.900	1.770	2.648	2.031
2	2.375	2.245	3.317	2.312
2 1/2	2.875	2.370	3.868	2.500
3	3.500	2.870	4.882	2.687
4	4.500	3.834	5.882	3.000

E13IS-5 - HEAVY DUTY CLAMP - T304



Size Pipe	A
1	2.122
1 1/2	2.800
2	3.500
2 1/2	4.060
3	5.000
4	6.130

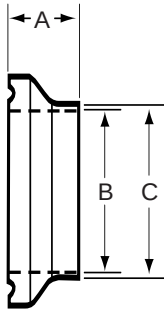
E13IU-5 - CLAMP BOLTED - T304



Size Pipe	A
1	2.122
1 1/2	2.800
2	3.500
2 1/2	4.060
3	5.000
4	6.130

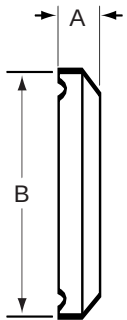
EQ - LINE

E14WQ-6L (T316L Material Only)



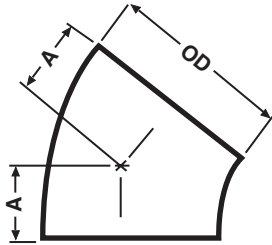
Size Tube OD	A	B	C
1	0.531	0.870	1.000
1 1/2	0.563	1.370	1.500
2	0.813	1.870	2.000
2 1/2	0.938	2.370	2.500
3	0.938	2.870	3.000
4	1.000	3.834	4.000

E16AQ-14Q



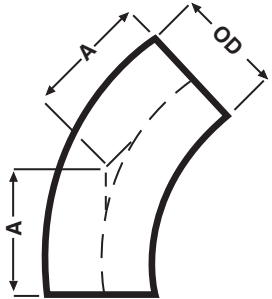
Size Tube OD	A	B
1	0.313	2.000
1 1/2	0.313	2.000
2	0.438	2.648
2 1/2	0.500	3.313
3	0.500	3.870
4	0.625	4.870

V2WK - 45° ELBOW LESS TANGENTS



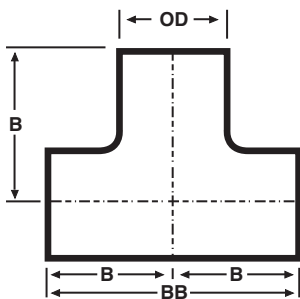
Size Tube OD	A	Nom. Wall
1/2	0.312	0.065
3/4	0.468	0.065
1	0.625	0.065
1 1/4	0.781	0.065
1 1/2	0.937	0.065
2	1.250	0.065
2 1/2	1.562	0.065
3	1.875	0.065
4	2.500	0.083
6	3.750	0.109
8	5.000	0.109

V2KS - 45° ELBOW WITH TANGENTS



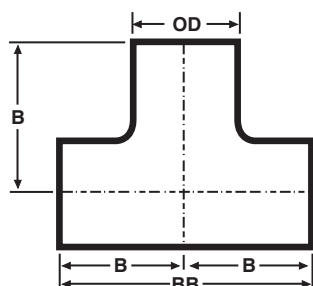
Size Tube OD	A	Nom. Wall
1	1.187	0.065
1 1/2	1.625	0.065
2	2.312	0.065
2 1/2	3.000	0.065
3	3.687	0.065
4	4.812	0.083

V7W - LONG TEE



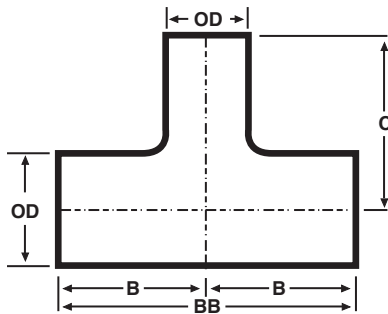
Size Tube OD	B	BB	Nom. Wall
1/2	CONTACT VNE		
3/4			
1	1.875	3.750	0.065
1 1/2	2.250	4.500	0.065
1 1/4	2.250	4.500	0.065
2	3.000	6.000	0.065
2 1/2	3.000	6.000	0.065
3	3.250	6.500	0.065
4	3.875	7.750	0.083
6	5.625	11.250	0.109
8	7.000	14.000	0.109

V7WWW - SHORT TEE



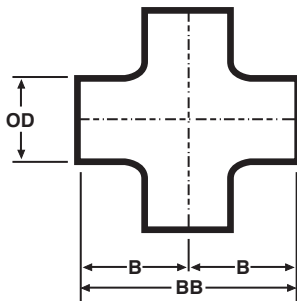
Size Tube OD	B	BB	Nom. Wall
1	1.125	2.250	0.065
1 1/2	1.656	3.312	0.065
2	2.062	4.125	0.065
2 1/2	2.343	4.687	0.065
3	2.593	5.187	0.065
4	3.430	6.870	0.083
6	5.625	11.250	0.109
8	7.000	14.000	0.109

V7WR - REDUCING TEE



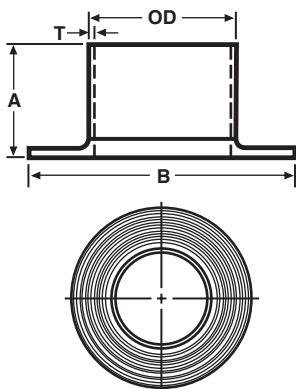
Size Tube OD	BB	C	B	Nom. Wall
3/4 x 1/2	CONTACT VNE			0.065
1 x 1/2				0.065
1 x 3/4				0.065
1 1/2 x 1/2				0.065
1 1/2 x 3/4				0.065
1 1/2 x 1	4.500	2.125	2.250	0.065
1 1/2 x 1 1/4	4.500	2.250	2.250	0.065
2 x 1	6.000	2.375	3.000	0.065
2 x 1 1/4	6.000	2.500	3.000	0.065
2 x 1 1/2	6.000	2.500	3.000	0.065
2 1/2 x 1 1/2	6.000	3.250	3.000	0.065
2 1/2 x 2	6.000	3.250	3.000	0.065
3 x 1 1/2	6.500	3.000	3.250	0.065
3 x 2	6.500	3.500	3.250	0.065
3 x 2 1/2	6.500	3.250	3.250	0.065
4 x 2	7.750	4.000	3.875	0.083
4 x 2 1/2	7.750	3.750	3.875	0.083
4 x 3	7.750	3.750	3.875	0.083
6 x 2	11.250	5.625	5.625	0.109
6 x 3	11.250	5.625	5.625	0.109
6 x 4	11.250	5.625	5.625	0.109

V9W - CROSS



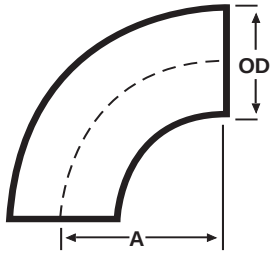
Size Tube OD	B	BB	Nom. Wall
1/2	CONTACT VNE		0.065
3/4			0.065
1	1.875	3.750	0.065
1 1/2	2.250	4.500	0.065
1 1/4	2.250	4.500	0.065
2	3.000	6.000	0.065
2 1/2	3.000	6.000	0.065
3	3.250	6.500	0.065
4	3.875	7.750	0.083
6	5.625	11.250	0.109

V14WA - TYPE A STUB END WITH GROOVES



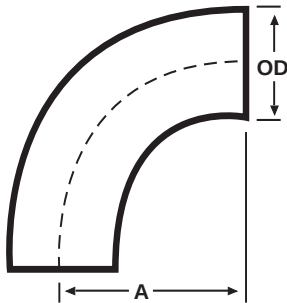
Size Tube OD	A	B	Nom. Wall (T)
1/2	1.375	1.625	0.065
3/4	1.375	1.687	0.065
1	1.625	2.000	0.065
1 1/4	1.375	2.500	0.065
1 1/2	1.750	2.875	0.065
2	1.500	3.625	0.065
2 1/2	2.000	4.125	0.065
3	2.250	5.000	0.065
4	2.625	6.187	0.083
6	3.000	8.500	0.109

V2WC - 90° ELBOW LESS TANGENTS



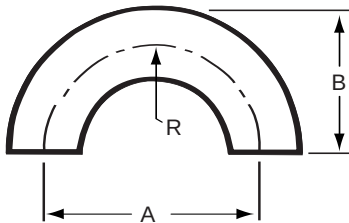
Size Tube OD	A	Nom. Wall
1/2	0.750	0.065
3/4	1.125	0.065
1	1.500	0.065
1 1/4	1.875	0.065
1 1/2	2.250	0.065
2	3.000	0.065
2 1/2	3.750	0.065
3	4.500	0.065
4	6.000	0.083
6	9.000	0.109
8	12.000	0.109

V2S - 90° ELBOW WITH TANGENTS



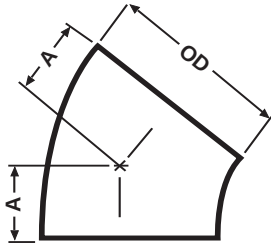
Size Tube OD	A	Nom. Wall
1	2.062	0.065
1 1/2	2.937	0.065
2	4.062	0.065
2 1/2	5.187	0.065
3	6.312	0.065
4	8.312	0.083

V2WU - 180° U BEND



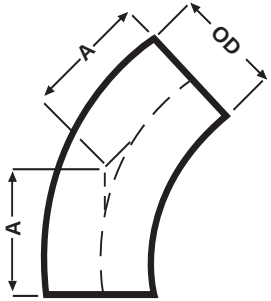
Size Tube OD	A	B	C	R	Nom. Wall
1/2	1.500	1.000	0.500	0.750	0.065
3/4	2.250	1.500	0.750	1.125	0.065
1	3.000	2.000	1.000	1.500	0.065
1 1/4	3.750	2.500	1.250	1.875	0.065
1 1/2	4.500	3.000	1.500	2.250	0.065
2	6.000	4.000	2.000	3.000	0.065
2 1/2	7.500	5.000	2.500	3.750	0.065
3	9.000	6.000	3.000	4.500	0.065
4	12.000	8.000	4.000	6.000	0.083
6	18.000	12.000	6.000	9.000	0.109

V2WK - 45° ELBOW LESS TANGENTS



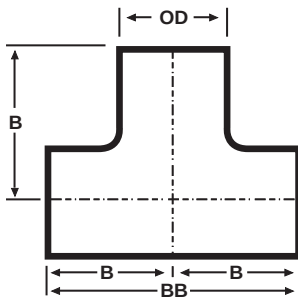
Size Tube OD	A	Nom. Wall
1/2	0.312	0.065
3/4	0.468	0.065
1	0.625	0.065
1 1/4	0.781	0.065
1 1/2	0.937	0.065
2	1.250	0.065
2 1/2	1.562	0.065
3	1.875	0.065
4	2.500	0.083
6	3.750	0.109
8	5.000	0.109

V2KS - 45° ELBOW WITH TANGENTS



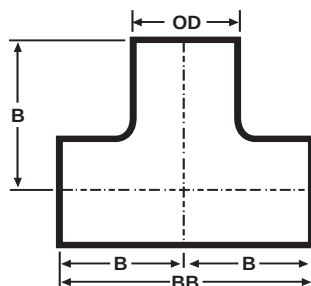
Size Tube OD	A	Nom. Wall
1	1.187	0.065
1 1/2	1.625	0.065
2	2.312	0.065
2 1/2	3.000	0.065
3	3.687	0.065
4	4.812	0.083

V7W - LONG TEE



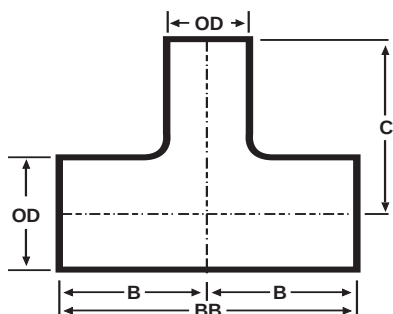
Size Tube OD	B	BB	Nom. Wall
1/2	CONTACT VNE		
3/4			
1	1.875	3.750	0.065
1 1/2	2.250	4.500	0.065
1 1/4	2.250	4.500	0.065
2	3.000	6.000	0.065
2 1/2	3.000	6.000	0.065
3	3.250	6.500	0.065
4	3.875	7.750	0.083
6	5.625	11.250	0.109
8	7.000	14.000	0.109

V7WWW - SHORT TEE



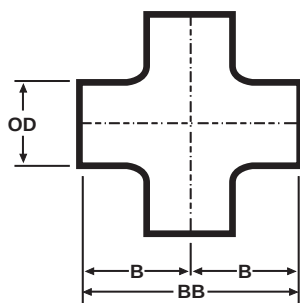
Size Tube OD	B	BB	Nom. Wall
1	1.125	2.250	0.065
1 1/2	1.656	3.312	0.065
2	2.062	4.125	0.065
2 1/2	2.343	4.687	0.065
3	2.593	5.187	0.065
4	3.625	7.250	0.083

V7WR - REDUCING TEE



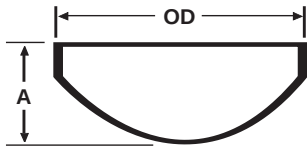
Size Tube OD	BB	C	B	Nom. Wall
3/4 x 1/2	CONTACT VNE			0.065
1 x 1/2				0.065
1 x 3/4				0.065
1 1/2 x 1/2				0.065
1 1/2 x 3/4				0.065
1 1/2 x 1	4.500	2.125	2.250	0.065
1 1/2 x 1 1/4	4.500	2.250	2.250	0.065
2 x 1	6.000	2.375	3.000	0.065
2 x 1 1/4	6.000	2.500	3.000	0.065
2 x 1 1/2	6.000	2.500	3.000	0.065
2 1/2 x 1 1/2	6.000	3.250	3.000	0.065
2 1/2 x 2	6.000	3.250	3.000	0.065
3 x 1 1/2	6.500	3.000	3.250	0.065
3 x 2	6.500	3.500	3.250	0.065
3 x 2 1/2	6.500	3.250	3.250	0.065
4 x 2	7.750	4.000	3.875	0.083
4 x 2 1/2	7.750	3.750	3.875	0.083
4 x 3	7.750	3.750	3.875	0.083
6 x 2	11.250	5.625	5.625	0.109
6 x 3	11.250	5.625	5.625	0.109
6 x 4	11.250	5.625	5.625	0.109

V9W - CROSS



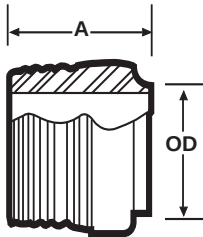
Size Tube OD	B	BB	Nom. Wall
1/2	CONTACT VNE		0.065
3/4			0.065
1	1.875	3.750	0.065
1 1/2	2.250	4.500	0.065
1 1/4	2.250	4.500	0.065
2	3.000	6.000	0.065
2 1/2	3.000	6.000	0.065
3	3.250	6.500	0.065
4	3.875	7.750	0.083
6	5.625	11.250	0.109

V16W - WELD CAP



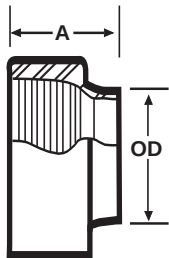
Size Tube OD	A	Nom. Wall
1/2	0.250	0.065
3/4	0.312	0.065
1	0.375	0.065
1 1/4	0.500	0.065
1 1/2	0.562	0.065
2	0.750	0.065
2 1/2	1.000	0.065
3	1.250	0.065
4	1.500	0.083
6	Contact VNE for dimensions	
8		

19WB - MALE NPT X WELD ADAPTER



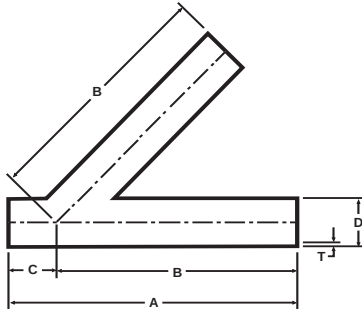
Size Tube OD	A	Nom. Wall
1/2	1.625	0.065
3/4	1.625	0.065
1	1.750	0.065
1 1/4	1.750	0.065
1 1/2	1.750	0.065
2	1.812	0.065
2 1/2	2.312	0.065
3	2.500	0.065
4	2.562	0.083
6	4.000	0.109

22WB - FEMALE NPT X WELD ADAPTER



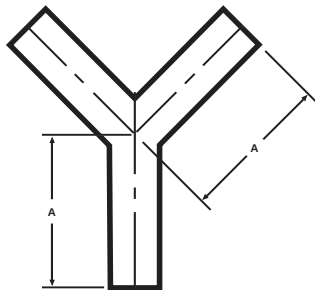
Size Tube OD	A	Nom. Wall
1/2	1.125	0.065
3/4	1.125	0.065
1	1.125	0.065
1 1/4	1.437	0.065
1 1/2	1.437	0.065
2	1.437	0.065
2 1/2	1.625	0.065
3	1.812	0.065
4	2.000	0.083

V28WA - 45° LATERAL



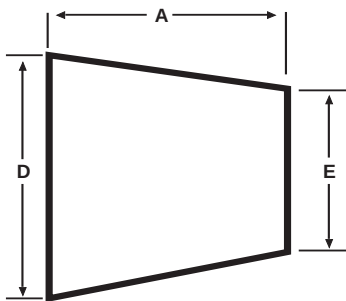
Size Tube OD	A	B	C	D	Nom. Wall (T)
1	6.000	5.000	1.000	1.000	0.065
1 1/2	7.375	6.187	1.187	1.500	0.065
2	8.625	7.125	1.500	2.000	0.065
2 1/2	10.125	8.500	1.625	2.500	0.065
3	10.750	8.875	1.875	3.000	0.065
4	12.812	10.750	2.062	4.000	0.083
6	18.000	14.500	3.500	6.000	0.109

V28WB - TRUE Y



Size Tube OD	A
1	3.000
1 1/2	3.000
2	4.000
2 1/2	5.000
3	6.000
4	8.000
6	8.000

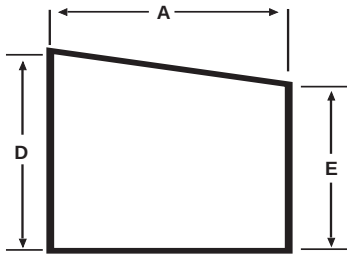
V31W - CONCENTRIC REDUCER



Size Tube OD D x E	A	Nom. Wall
3/4 x 1/2	*	0.065
1 x 1/2	*	0.065
1 x 3/4	*	0.065
1 1/2 x 1/2	*	0.065
1 1/2 x 3/4	*	0.065
1 1/2 x 1	2.000	0.065
1 1/2 x 1 1/4	1.000	0.065
2 x 1	4.000	0.065
2 x 1 1/4	3.000	0.065
2 x 1 1/2	2.000	0.065
2 1/2 x 1 1/2	4.000	0.065
2 1/2 x 2	2.000	0.065
3 x 1 1/2	6.000	0.065
3 x 2	4.000	0.065
3 x 2 1/2	2.000	0.065
4 x 2	8.000	0.083 x 0.065
4 x 2 1/2	6.000	0.083 x 0.065
4 x 3	4.000	0.083 x 0.065
6 x 3	5.500	0.109 x 0.083
6 x 4	5.500	0.109 x 0.083

* Contact Factory for Exact Dimensions.

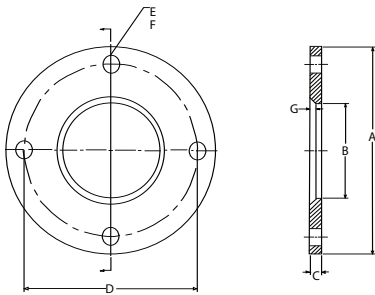
V32W - ECCENTRIC REDUCER



Size Tube OD D x E	A	Nom. Wall
3/4 x 1/2	*	0.065
1 x 1/2	*	0.065
1 x 3/4	*	0.065
1 1/2 x 1/2	*	0.065
1 1/2 x 3/4	*	0.065
1 1/2 x 1	2.000	0.065
1 1/2 x 1 1/4	1.000	0.065
2 x 1	4.000	0.065
2 x 1 1/4	3.000	0.065
2 x 1 1/2	2.000	0.065
2 1/2 x 1 1/2	4.000	0.065
2 1/2 x 2	2.000	0.065
3 x 1 1/2	6.000	0.065
3 x 2	4.000	0.065
3 x 2 1/2	2.000	0.065
4 x 2	8.000	0.083 x 0.065
4 x 2 1/2	6.000	0.083 x 0.065
4 x 3	4.000	0.083 x 0.065
6 x 3	5.500	0.109 x 0.083
6 x 4	5.500	0.109 x 0.083

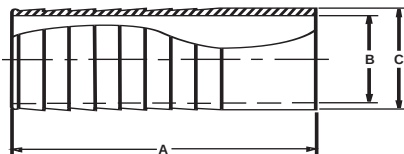
* Contact VNE for Exact Dimensions.

E38SL - SLIP ON FLANGE



Size Tube OD	A	B	C	D	E	F	G
1/2	3.500	0.56	0.375	2.375	0.625	4.000	0.188
3/4	3.875	0.81	0.375	2.075	0.625	4.000	0.188
1	4.025	1.06	0.375	3.125	0.625	4.000	0.188
1 1/2	5.000	1.56	0.375	3.875	0.625	4.000	0.188
2	6.000	2.06	0.4375	4.075	0.075	4.000	0.219
2 1/2	7.000	2.56	0.4375	5.500	0.075	4.000	0.219
3	7.500	3.06	0.500	6.000	0.075	4.000	0.250
4	9.000	4.06	0.500	7.500	0.075	8.000	0.250
6	11.00	6.06	0.813	9.500	0.875	8.000	0.250

V14RH - 6L B/W Rubber Hose Barb Blank #1



Size Tube OD	A	B	C
1/4	1.500	0.120	0.250
5/16	1.500	0.182	0.312
3/8	1.500	0.250	0.375
1/2	1.500	0.375	0.500
5/8	1.500	0.495	0.625
3/4	1.500	0.620	0.750
1	3.000	0.870	1.000
1 1/4	3.000	1.120	1.250
1 1/2	3.000	1.370	1.500
2	3.000	1.870	2.000
2 1/2	3.000	2.370	2.500
3	3.000	2.870	3.000



Miscellaneous



European Din Connections....

VNE's European Din Connections are available in Inch-Size Tube O.D. Weld Neck. Now inch size tubing can be utilized on projects requiring Din Connections, where in the past metric tubing had to be purchased.

VNE stocks welding ferrules - both male (threaded) and female (plain) - along with the standard DIN nut and gasket to complete the union in T304. T316 ferrules are available upon request.

EUROPEAN DIN SPECIFICATIONS....

Product: Din Connection x Din Weld Connection
Fully Metric Din Fittings

Size Range: Din 10 - Din 100

Materials: T304 & T316

Finish: #7 ID / OD Polish

ORDERING SPECIFICATIONS....

25-KURZ-NW10
(Din male threaded ferrule size 10, T304)

35-KURZ-6-NW10
(Din female plain ferrule size 10, T316)

EUROPEAN DIN SPECIFICATIONS....

Product: Din Connection X Inch Weld
Connection

Size Range: 1" - 4"

Materials: T304 & T316

Finish: #7 ID / OD Polish

ORDERING SPECIFICATIONS....

2SRW-25 X 1.0
(Din male threaded ferrule x size 1" weld connection, T304)

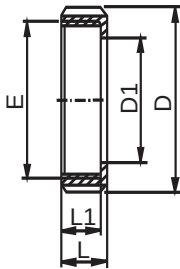
3SRW-6-25X1.0
(Din female plain ferrule x size 1" weld connection, T316)

VNE CORPORATION

P.O. Box 1698 • 1149 Barberry Drive • Janesville, WI 53547

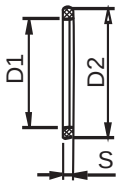
TEL: 608-756-4930 • FAX: 608-756-3643 • 1-800-356-1111 • Web site: vnestainless.com

4-NUT-NW-(SIZE) (304 ONLY)



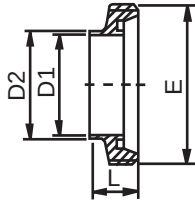
Size (DN)	D	D1	E	L	L1
10	38	19	Rd 28 x 1/8"	18	15
15	44	25	Rd 34 x 1/8"	18	15
20	54	31	Rd x 44 x 1/6"	20	17
25	63	36	Rd 52 x 1/6"	21	18
32	70	42	Rd 58 x 1/6"	21	18
40	78	49	Rd 65 x 1/6"	21	18
50	92	62	Rd 78 x 1/6"	22	19
65	112	80	Rd 95 x 1/6"	25	21
75/3	120	86.5	Rd 104 x 1/6"	29	25
80	127	94	Rd 110 x 1/4"	29	25
100	148	115	Rd 130 x 1/4"	31	26
125	178	138	Rd 160 x 1/4"	35	30
150	210	164	Rd 190 x 1/4"	40	34
200	260	215	Rd 240 x 1/4"	44	38

5-RING NW (SIZE) BUNA, 5A-RING NW (SIZE) EPDM, 5B- RING NW (SIZE) SILICONE



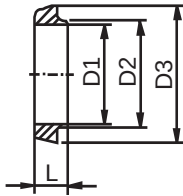
Size (DN)	D1	D2	S
10	12	20	4.5
15	18	26	4.5
20	23	33	4.5
25	30	40	5
32	36	46	5
40	42	52	5
50	54	64	5
65	71	81	5
75/3	78	88	5
80	85	95	5
100	104	114	6
125	130	142	7
150	155	167	7

2S-KURZ-NW(SIZE) DIN MALE THREAD X DIN WELD FERRULE T304 / T316



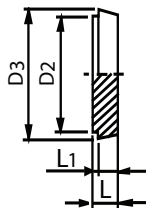
Size (DN)	D1	D2	E	L
10	10	13	Rd 28 x 1/8"	17
15	16	19	Rd 34 x 1/8"	17
20	20	23	Rd 44 x 1/6"	19
25	26	29	Rd 52 x 1/6"	22
32	32	35	Rd 58 x 1/6"	22
40	38	41	Rd 65 x 1/6"	22
50	50	53	Rd 78 x 1/6"	23
65	66	70	Rd 95 x 1/6"	25
80	81	85	Rd 110 x 1/4"	25
100	100	104	Rd 130 x 1/4"	30
125	125	129	Rd 160 x 1/4"	35.5
150	150	154	Rd 190 x 1/4"	40

3S-KURZ-NW(SIZE) DIN FEMALE X DIN WELD FERRULE T304 / T316



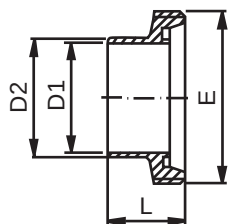
Size (DN)	D1	D2	D3	L
10	10	13	22.5	13
15	16	19	28.5	13
20	20	23	36.5	13
25	26	29	44	15
32	32	35	50	15
40	38	41	56	15
50	50	53	68.5	16
65	66	70	86	17
80	81	85	100	17
100	100	104	121	20
125	125	129	150	23.5
150	150	154	176	27

74-CAP NW(SIZE) (304 & 316)



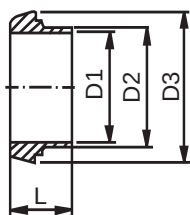
Size (DN)	D1	D2	D3	L
10	18.8	22.5	9.5	3.5
15	24.8	28.5	9.5	3.5
20	30.8	36.5	11.5	3.5
25	35.8	44	13.5	3.5
32	41.8	50	13.5	3.5
40	48.8	56	13.5	3.5
50	61.8	68.5	14.5	3.5
65	79.8	86	16.5	4.5
80	93.8	100	16.5	4.5
100	114.8	121	20.5	5.5
125	137.8	150	22.5	5.5
150	163.8	176	24.5	6.5

2SRW (SIZE) DIN MALE THREAD X INCH WELD FERRULES T304 / T316



Size (DN)	D1	D2	E	L
25 x 1.0	22.9	1.000	Rd 52 x 1/6"	29
40 x 1.5	35.1	1.500	Rd 65 x 1/6"	33
50 x 2.0	47.8	2.000	Rd 78 x 1/6"	35
65 x 2.5	60.5	2.500	Rd 95 x 1/6"	40
80 x 3.0	72.2	3.000	Rd 104 x 1/6"	40
100 x 4.0	97.6	4.000	Rd 130 x 1/4"	54

3SRW (SIZE) DIN FEMALE X INCH WELD FERRULES T304 / T316



Size (DN)	D1	D2	D3	L
25 x 1.0	22.9	1.000	44	22
40 x 1.5	35.1	1.500	56	26
50 x 2.0	47.8	2.000	68.5	28
65 x 2.5	60.5	2.500	86	32
80 x 3.0	72.2	3.000	93	32
100 x 4.0	97.6	4.000	121	44



Pipe Hangers....

Pipe Hangers are available in Tube OD sizes. All hangers are hexagonal shape with either rubber grommets or PVC inserts. Hangers are also available with a 3/8" coupling.

Larger tube OD and pipe sizes are available upon special request.

PIPE HANGER SPECIFICATIONS....

Product: Tube OD Piping Hangers

Size Range: 1/2" through 6" sizes

Materials: T304 - Hangers
Rubber / Viton - Grommets
PVC - Sleeve insert

ORDERING SPECIFICATIONS....

Specify:

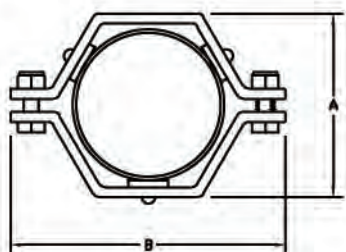
- Quantity
- Product description or Part No.
- Size
- Material Type

VNE CORPORATION

P.O. Box 1698 • 1149 Barberry Drive • Janesville, WI 53547
TEL: 608-756-4930 • FAX: 608-756-3643 • 1-800-356-1111 • Web site: vnestainless.com

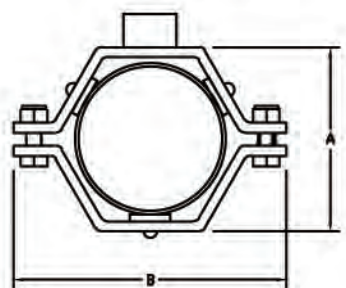
PIPE HANGERS

E24



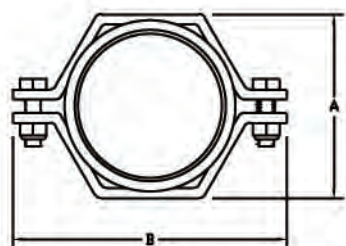
Size Tube OD	A	B
1/2	2 1/8	3 5/8
3/4	2 1/8	3 5/8
1	2 1/8	3 5/8
1 1/2	2 1/8	3 5/8
2	2 5/8	4 5/16
2 1/2	3 1/8	4 7/8
3	3 5/8	5 3/8
4	4 3/4	6 9/16
6	6 5/8	9

E24C



Size Tube OD	A	B
1/2	2 1/8	3 5/8
3/4	2 1/8	3 5/8
1	2 1/8	3 5/8
1 1/2	2 1/8	3 5/8
2	2 5/8	4 5/16
2 1/2	3 1/8	4 7/8
3	3 5/8	5 3/8
4	4 3/4	6 9/16
6	6 5/8	9

E24PVC



Size Tube OD	A	B
1/2	2	3 5/8
3/4	2 1/8	3 5/8
1	2 1/8	3 5/8
1 1/2	2 1/8	3 5/8
2	2 5/8	4 5/16
2 1/2	3 1/8	4 13/16
3	3 5/8	5 3/8
4	4 3/4	6 1/2
6	6 5/8	9

Stainless Steel Special Fabrications

Modern Manufacturing Facility

To uphold our commitment to have one of the most shortest lead times in the industry, we have expanded our manufacturing facility to keep up with the demands of our customers.



State of the art machinery

With the most precise and state of the art machinery, VNE is committed to manufacture quality specialty products in the most efficient manner possible.



Experienced People

VNE recognizes that even with our modern facility and state of the art machinery, experienced people are the most valuable asset we have to offer. Our craftsmanship provided the key to a quality product with a fast turn-around at a competitive price.

Quality Specialty Products

VNE can manufacturer products to your specific requirements for the Food,Dairy, Beverage, Pharmaceutical and many other industries.





BUTTERFLY VALVES

Butterfly Valves are available in Manual, Air Actuated, or Air Actuated with two Micro switches and a Solenoid Valve. Clamp or Weld ends are standard. Other connections are available upon request.

Available seat materials include Silicone, Viton®, and EPDM. Size range from 1" through 4". All products contact surfaces are available in either T304 or T316 stainless steel.



CHECK VALVES

Check valves are widely used for both sanitary and industrial applications to prevent backflow of product.

VNE's ball check valves are designed to allow full product flow during processing. Once the product flow stops the ball rolls back to seat at inlet, preventing back flow. Ball Check Valves are commonly used with liquid products.

VNE's spring check valves are designed to assist closure pressure to create a positive shutoff. They are commonly used with liquid products.

Both valves are offered with clamp and weld ends. Other connections are available upon request. Sizes range from 1/2" through 4" in T316 stainless steel. VNE's Check Valves meet 3A Sanitary requirements.

VNE's Air Blow Check Valves are designed to evacuate lines of product or CIP solution. Air Blow Check Valves are made of T316L Stainless Steel and are offered with EPDM or Viton® Elastomers.



BALL VALVES

Ball Valves are used in a wide variety of high pressure applications. Two factors make them popular. First, a full unrestricted flow that allows no product restrictions through the valve. Second, the three piece design and the removal of a minimal number of bolts allows service to be performed without the removal of the complete valve from the line.

VNE offers TWO and THREE way ball valves made of T316 (CF8M) stainless steel. Ball Valves are available in Manual, Pneumatically Actuated, and Electrically Actuated versions. We also offer a full line of control options. Limit switches, Solenoids, and Positioners can be included with your automated valve assembly. VNE Ball Valves feature PTFE seats that are easily removed. Clamp and Weld ends are standard. Other connections are available upon request. 1/2" -4" sizes are available. VNE Ball Valves meet FDA and 3A requirements.



PVA VALVES

PVA Valves are available in Manual, Air Activated, or Air Actuated with an electronic control head.

Configurations can be shut off, Divert or Tank outlet. Connections consist of Clamp, Weld, Bevel Seat, and E-Line.

VNE's PVA Valves are made of T316L stainless steel which meet all 3A requirements and are offered in 1 1/2" through 3" sizes. Other connections available upon request.



MaxPure® BPE Fittings..... Maximum Purity with Guaranteed Ra

VNE's Bio-Pharm Fittings are manufactured in accordance to ASME BPE specifications. In addition to heat numbers being permanently etched, a manufacturing job number is also etched. This ensures total traceability for a consistent, high quality product manufactured specifically for the pharmaceutical and high purity markets.

VNE AFFILIATIONS...

VNE is an active member of numerous industry-related organizations and associations.

3-A®

VNE is a member of 3-A®, a voluntary organization committed to safeguarding public health and dairy product quality through a unique industry-regulated program of sanitary standards for equipment used in processing dairy foods.

WCMA

Wisconsin Cheese Makers Association

VNE is a member of WCMA, a nonprofit trade association dedicated to improving the business climate for dairy companies, primarily cheese and butter manufacturing and marketing companies. Their actions also extend to the companies that supply goods and services to the dairy industry.

FISA

Food Industry Suppliers Association

VNE is a member of FISA, a national association of independent distributors and major manufacturers of sanitary supplies used in the food, dairy, beverage, pharmaceutical and personal care industries.

FPSA

Food Processing Suppliers Association

VNE is a member of FPSA, an association serving suppliers to the global food, beverage, and pharmaceutical industries.

ISPE

The International Society for Pharmaceutical Engineering

VNE is a member of ISPE, a not-for-profit volunteer Society of technical professionals, who apply their practical knowledge in the regulated healthcare manufacturing industries. ISPE is committed to advancement of the education and technical efficiency of its members through forums for the exchange of ideas and practical experience.

ASME

American Society of Mechanical Engineers

VNE is a member of ASME International, a nonprofit educational and technical organization serving worldwide membership of 125,000. Established to promote technical competency through quality programs and activities in the mechanical engineering fields.