



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.



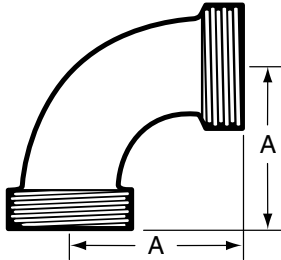
Industry Cross - Reference

BEVEL SEAT TYPE

VNE	ALFA LAVAL	WAUKESHA / SPX	BRADFORD	STEEL & O'BRIEN
2C	2C	2C	B2C	2C
2E	2E	2E	B2E	2E
2F	2F	2F	B2F	2F
2F-31	2F-31	2F-31	2F-31	2F-31
2K	2K	2K	2K	2K
2P	2P	2P	B2P	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	14A	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	14-19	14-19
14PR	14PRF	14RW	14PRF	14++
15	15	15	15	15
15TR	15TRF	15RW	15TRF	15++
15A	L15A7	15A	15A	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	B31TT	31TT
31TP	31TP	31TP	B31TP	31TP
31-14F	31-14F	31-14F	B3114F	31-14F
31-15F	31-15F	31-15F	B3115F	31-15F
32-14F	32-14F	32-14F	B3214F	32-14F
32-15F	32-15F	32-15F		32-15F

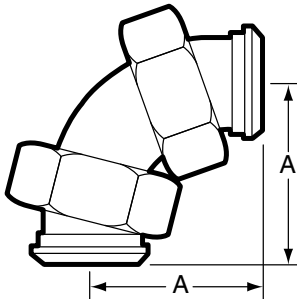
Bevel Seat Fittings

2C - 90° ELBOW THREADED



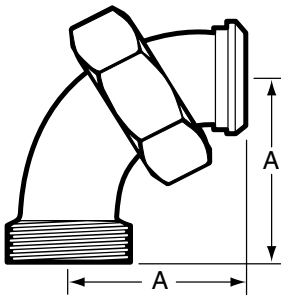
Size Tube OD	A
1	2.187
1 1/2	2.937
2	3.718
2 1/2	4.593
3	5.437
4	7.000

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



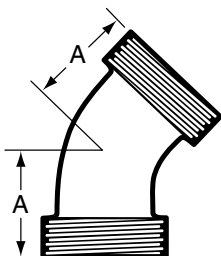
Size Tube OD	A
1	2.000
1 1/2	2.875
2	3.718
2 1/2	4.843
3	5.906
4	8.062

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

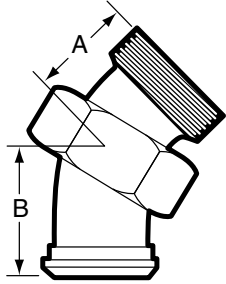
2K - 45° ELBOW THREADED



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

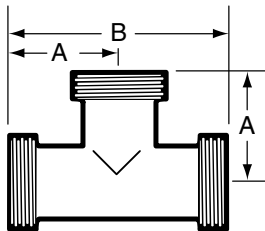
Bevel Seat Fittings

2P - 45° ELBOW 13H NUT X THREAD



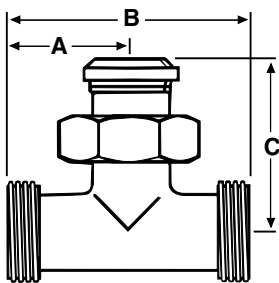
Size Tube OD	A	B
1	1.312	2.000
1 1/2	1.625	2.437
2	1.937	2.750
2 1/2	2.375	3.312
3	2.812	3.625
4	3.500	4.250

7 - TEE ALL ENDS THREADED



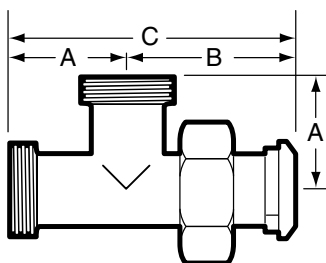
Size Tube OD	A	B
1	1.812	3.625
1 1/2	2.375	4.750
2	2.781	5.437
2 1/2	3.187	6.375
3	3.500	7.000
4	4.656	9.312

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

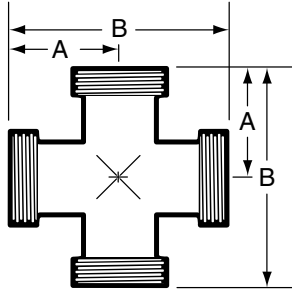
7B - TEE THREADED X 13H NUT X THREADED



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

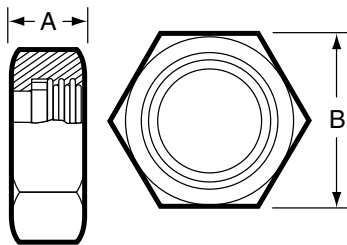
Bevel Seat Fittings

9 - CROSS THREADED



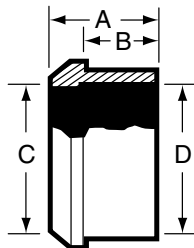
Size Tube OD	A	B
1	1.812	3.625
1 1/2	2.375	4.750
2	2.781	5.437
2 1/2	3.187	6.375
3	3.500	7.000
4	4.656	9.312

13H - HEX UNION NUT



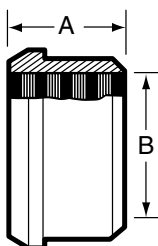
Size Tube OD	A	B
1	0.906	1.812
1 1/2	0.968	2.406
2	1.062	3.000
2 1/2	1.187	3.593
3	1.281	4.187
4	1.500	5.437

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

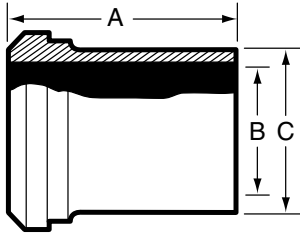
14R - PLAIN RECESSLESS FERRULE (Expanding)



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

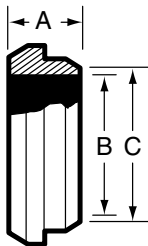
Bevel Seat Fittings

14A - PLAIN WELDING FERRULE



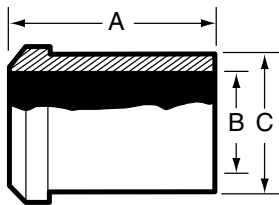
Size Tube OD	A	B	C
1	1.375	0.870	1.000
1 1/2	1.500	1.370	1.500
2	1.500	1.870	2.000
2 1/2	1.750	2.370	2.500
3	1.750	2.870	3.000
4	1.750	3.834	4.000

14PR - SHORT PLAIN WELDING FERRULE



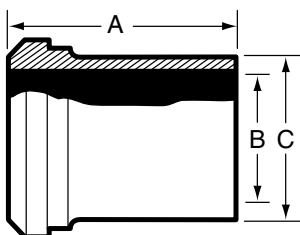
Size Tube OD	A	B	C
1	0.687	0.870	1.000
1 1/2	0.687	1.370	1.500
2	0.718	1.870	2.000
2 1/2	0.843	2.370	2.500
3	0.937	2.870	3.000
4	1.000	3.834	4.000

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

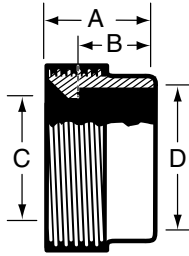
14WL - LONG PLAIN WELDING FERRULE



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

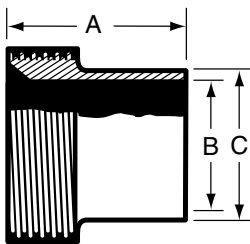
Bevel Seat Fittings

15 - THREADED RECESSED FERRULE (T316L Material Only)



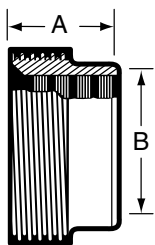
Size Tube OD	A	B	C	D
1	1.187	0.500	0.870	1.000
1 1/2	0.875	0.625	1.370	1.500
2	1.031	0.687	1.870	2.000
2 1/2	1.125	0.750	2.370	2.500
3	1.250	0.812	2.870	3.000
4	1.375	0.937	3.834	4.000

15A - THREADED WELDING FERRULE



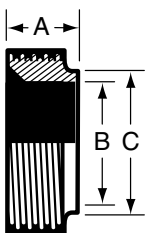
Size Tube OD	A	B	C
1	1.375	0.870	1.000
1 1/2	1.500	1.370	1.500
2	1.500	1.870	2.000
2 1/2	1.750	2.370	2.500
3	1.750	2.870	3.000
4	1.750	3.834	4.000

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

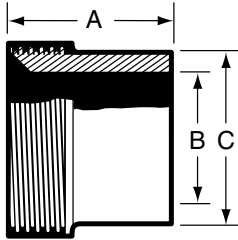
15TR - SHORT THREADED WELDING FERRULE



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

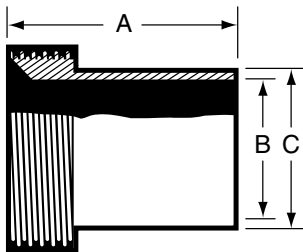
Bevel Seat Fittings

15W - TANK WELDING FERRULE



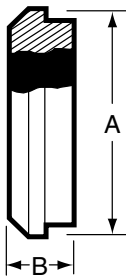
Size Tube OD	A	B	C
1	1.500	0.870	1.250
1 1/2	1.625	1.370	1.750
2	1.750	1.870	2.312
2 1/2	1.750	2.370	2.875
3	1.812	2.870	3.375
4	2.125	3.834	4.250

15WL - LONG WELDING FERRULE



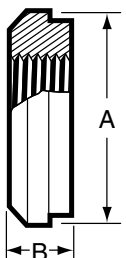
Size Tube OD	A	B	C
1	2.000	0.870	1.000
1 1/2	2.250	1.370	1.500
2	2.500	1.870	2.000
2 1/2	2.750	2.370	2.500
3	3.000	2.870	3.000
4	4.000	3.834	4.000

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

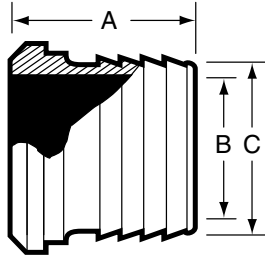


Size Tube OD	A	B
*1	1.312	0.468
1 1/2	1.843	0.562
2	2.375	0.625
2 1/2	2.906	0.656
3	3.437	0.718
4	4.500	0.812

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

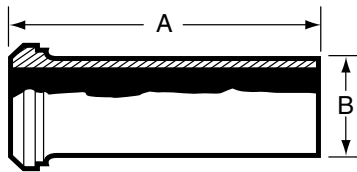
Bevel Seat Fittings

14AHR - RUBBER HOSE ADAPTER



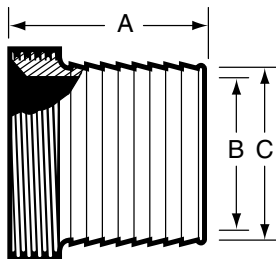
Size Tube OD	A	B	C
1	Contact VNE	0.870	1.000
1 1/2	Contact VNE	1.370	1.500
2	Contact VNE	1.870	2.000
2 1/2	Contact VNE	2.370	2.000
3	Contact VNE	2.870	3.000
4	Contact VNE	3.834	4.000

14AHT - TYGON HOSE ADAPTER



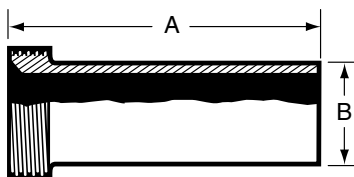
Size Tube OD	A	B
1	4.687	1.000
1 1/2	4.718	1.500
2	4.718	2.000
2 1/2	4.843	2.500
3	4.906	3.000
4	5.218	4.000

15AHR - THREADED RUBBER HOSE ADAPTER



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

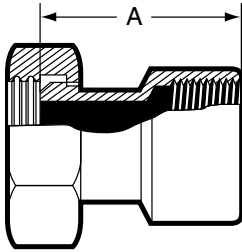
15AHT - THREADED TYGON HOSE ADAPTER



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

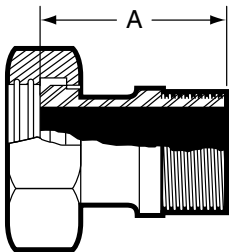
Bevel Seat Fittings

14-22 - ADAPTER 13H NUT X FNPT



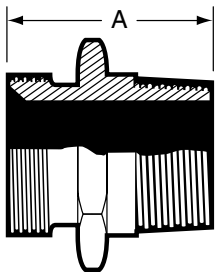
Size Tube OD	A
1	2.500
1 1/2	2.937
2	2.937
2 1/2	3.375
3	3.562
4	3.750

14-19 - ADAPTER 13H NUT X MNPT



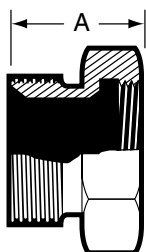
Size Tube OD	A
1	3.125
1 1/2	3.250
2	3.312
2 1/2	4.062
3	4.250
4	4.312

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

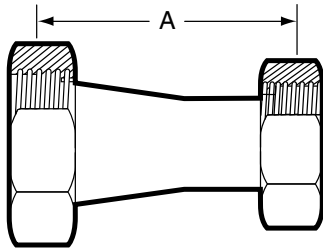
22 - ADAPTER ACME THREAD X FNPT



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

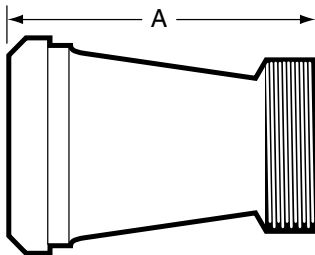
Bevel Seat Fittings

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

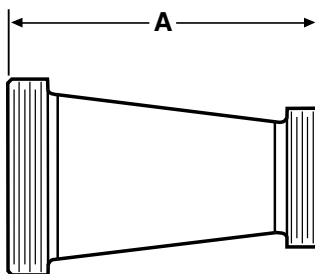
31-15F - CONCENTRIC REDUCER PLAIN BEVEL X THREAD



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.

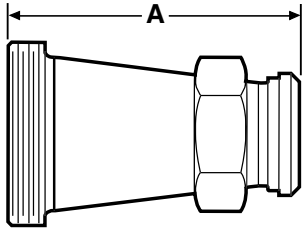
31TT - CONCENTRIC REDUCER THREAD X THREAD



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

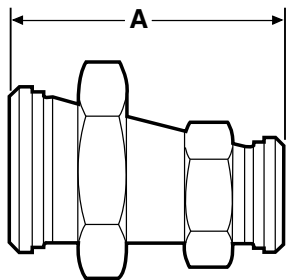
Bevel Seat Fittings

31TP - CONCENTRIC REDUCER THREAD X 13H NUT



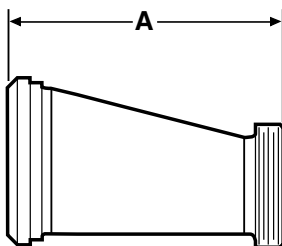
Size Tube OD	A
1 1/2 x 1	4.062
2 x 1	6.093
2 x 1 1/2	4.218
2 1/2 x 1 1/2	6.343
2 1/2 x 2	4.343
3 x 2	6.437
3 x 2 1/2	4.687
4 x 2	10.500
4 x 2 1/2	8.750
4 x 3	6.750

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

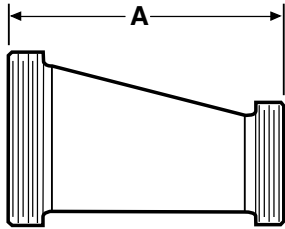


Size Tube OD	A
*1 1/2 x 1	3.375
2 x 1	5.406
2 x 1 1/2	3.406
2 1/2 x 1 1/2	5.531
2 1/2 x 2	3.562
3 x 2	5.656
3 x 2 1/2	3.781
4 x 2	9.718
4 x 2 1/2	7.843
4 x 3	5.937

*Hex Nut included.

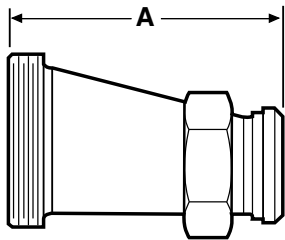
Bevel Seat Fittings

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