

Processing Equipment, Inc.

Standard Stock Tubing

O.D.	Gauge	Tubing Part Numbers			
		Carbon	Galvanized	Aluminum	Stainless
1 1/2	16	16WT150C	16WT150Z	16ST150A	16WT150S
2	16	16WT200C	16WT200Z	16ST200A	16WT200S
2	11	11WT200C	11WT200Z	11ST200A	11WT200S
2 1/8	16	16WT212C	16WT212Z	16ST212A	16WT212S
2 1/8	11	11WT212C	11WT212Z	11ST212A	11WT212S
2 1/2	16	16WT250C	16WT250Z	16ST250A	16WT250S
2 1/2	11	11WT250C	11WT250Z	11ST250A	11WT250S
3	16	16WT300C	16WT300Z	16ST300A	16WT300S
3	11	11WT300C	11WT300Z	11ST300A	11WT300S
3 1/2	16	16WT350C	16WT350Z	16ST350A	16WT350S
3 1/2	11	11WT350C	11WT350Z	11ST350A	11WT350S
4	16	16WT400C	16WT400Z	16ST400A	16WT400S
4	11	11WT400C	11WT400Z	11ST400A	11WT400S
4 1/2	11	11WT450C	NA	11ST450A	11WT450S
5	11	11WT500C	11WT500Z	11ST500A	11WT500S
5	14	14WT500C	14WT500Z	14ST500A	14WT500S
6	11	11WT600C	11WT600Z	11ST600A	11WT600S
6	14	14WT600C	14WT600Z	14ST600A	14WT600S
8	11	11WT800C	11WT800Z	11ST800A	11WT800S
8	14	14WT800C	14WT800Z	14ST800A	14WT800S
10	12	12WT1000C	12WT1000Z	12ST1000A	12WT1000S
12	12	12WT1200C	12WT1200Z	NA	12WT1200S
14	12	12WT1400C	12WT1400Z	NA	12WT1400S



Tubing Light Wall to 14"Ø
Available in:
 Carbon Steel, Galvanized
 Aluminum 6061, 304 SS

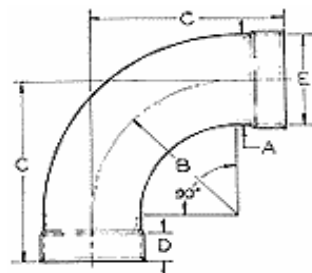
Standard length 20 ft. Special cut shorter lengths available for extra cutting charge.

Straight Ends only on all sizes

All dimensions are in inches

Standard Radius 90° Elbow

Part No.	A - o.d.	B - CLR	C	Gauge
EL-212	2 1/8	5	7	16
EL-252	2 1/2	6	8	16
EL-302	3	7 1/2	9 1/2	16
EL-352	3 1/2	8 3/4	10 3/4	16
EL-402	4	10	12	16
EL-502	5	12 1/2	15 1/8	14
EL-602	6	15	18 1/4	14
EL-802	8	20	24 1/4	14
EL-1002	10	32	37 1/4	12
EL-1202**	12	36	42 1/4	12
EL-1402**	14	36	43 1/4	12



Available in: Carbon Steel, Galvanized Steel,
 Aluminum 6061, 304 SS

Expanded ends standard through 6".

Straight Ends available on all sizes.

D 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

E Inside Diameter (I.D.) = **A**

G Inside Diameter (I.D.) = **F**

L 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

Processing Equipment, Inc.

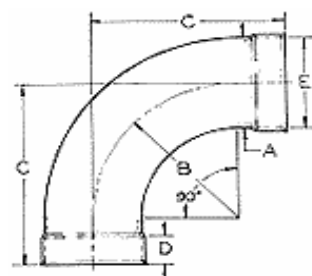
Phone (859)-543-8524

Fax (859)-543-8534

ELBOWS

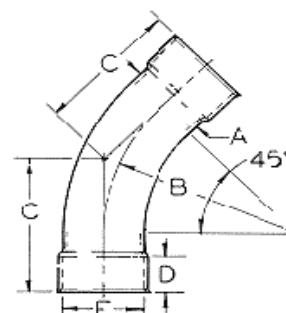
Short Radius 90° Elbow

Part No.	A - o.d.	B - CLR	C	Gauge
SR-212	2 1/8	3 1/2	5 1/2	16
SR-252	2 1/2	4	6	16
SR-342	3	4 1/2	6 1/2	16
SR-352	3 1/2	5	7	16
SR-442	4	6	8	16
SR-542	5	7 1/2	10 1/8	14
SR-642	6	9	12 1/4	14
SR-842	8	12	16 1/4	14



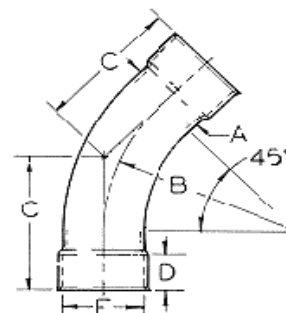
Standard Radius 45° Elbow

Part No.	A - o.d.	B - CLR	C	Gauge
EL-211	2 1/8	5	4 1/16	16
EL-251	2 1/2	6	4 1/2	16
EL-301	3	7 1/2	5 1/8	16
EL-351	3 1/2	8 3/4	5 5/8	16
EL-401	4	10	6 1/8	16
EL-501	5	12 1/2	7 13/16	14
EL-601	6	15	9 15/32	14
EL-801	8	20	12 17/32	14
EL-1001	10	32	18 1/2	12
EL-1201**	12	36	21 5/32	12
EL-1401**	14	36	22 5/32	12



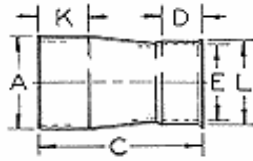
Short Radius 45° Elbow

Part No.	A - o.d.	B - CLR	C	Gauge
SR-211	2 1/8	3 1/2	3 7/16	16
SR-251	2 1/2	4	3 21/32	16
SR-341	3	4 1/2	3 7/8	16
SR-351	3 1/2	5	4 1/16	16
SR-441	4	6	4 1/2	16
SR-541	5	7 1/2	5 23/32	14
SR-641	6	9	6 31/32	14
SR-841	8	12	9 7/32	14



Available in: Carbon Steel, Galvanized Steel,
Aluminum 6061, 304 SS
Expanded ends standard through 6".
Straight Ends available on all sizes.
All dimensions are in inches

D 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø
E Inside Diameter (I.D.) = **A**
G Inside Diameter (I.D.) = **F**
L 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø
** segmented



Standard Reducer Couplings

Available in:

Carbon Steel, Galvanized Steel,
Aluminum 6061, 304 SS

2-1/8"Ø to 4"Ø - 16 Ga

5"Ø to 8"Ø - 14 Ga

10"Ø to 14"Ø - 12 Ga

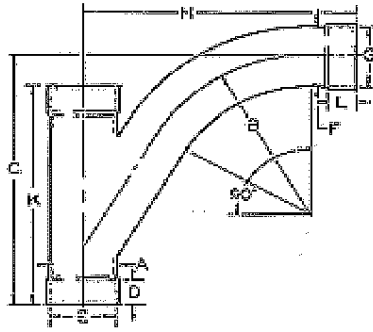
All dimensions (inches)

Small end expanded is standard.

Straight Ends available on all sizes.

D 1-1/4 thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

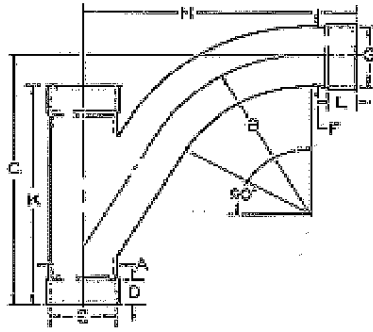
Part No.	Size	A - o.d.	E - i.d.	C	K
RC-212	2 1/8 x 2	2 1/8	2	4	2
RC-254	2 1/2 x 2 1/8	2 1/2	2 1/8	4 1/2	1 1/2
RC-3041	3 x 2 1/8	3	2 1/8	8 3/4	2
RC-304	3 x 2 1/2	3	2 1/2	5	1 1/2
RC-3541	3 1/2 x 2 1/8	3 1/2	2 1/8	11	2
RC-3542	3 1/2 x 2 1/2	3 1/2	2 1/2	9 1/4	2
RC-354	3 1/2 x 3	3 1/2	3	5 1/2	1 1/2
RC-4041	4 x 2 1/8	4	2 1/8	13 1/2	2
RC-4042	4 x 2 1/2	4	2 1/2	11 3/4	2
RC-4043	4 x 3	4	3	9 1/4	2
RC-404	4 x 3 1/2	4	3 1/2	6	1 1/2
RC-5041	5 x 2 1/8	5	2 1/8	19 1/4	2 3/4
RC-5042	5 x 2 1/2	5	2 1/2	17 1/2	2 3/4
RC-5043	5 x 3	5	3	15	2 3/4
RC-5044	5 x 3 1/2	5	3 1/2	12 1/2	2 3/4
RC-504	5 x 4	5	4	8	1 3/4
RC-6041	6 x 2 1/8	6	2 1/8	24 3/4	3 1/4
RC-6042	6 x 2 1/2	6	2 1/2	23	3 1/4
RC-6043	6 x 3	6	3	20 1/2	3 1/4
RC-6044	6 x 3 1/2	6	3 1/2	18	3 1/4
RC-6045	6 x 4	6	4	15 3/4	3 1/4
RC-604	6 x 5	6	5	9	1 3/4
RC-8044	8 x 4	8	4	26 1/4	4 1/4
RC-8045	8 x 5	8	5	21 7/8	4 1/4
RC-804	8 x 6	8	6	17 1/2	4 1/4
RC-10045	10 x 5	10	5	32 7/8	5 1/4
RC-10046	10 x 6	10	6	28 1/2	5 1/4
RC-1004	10 x 8	10	8	18 1/4	5 1/4
RC-12048	12 x 8	12	8	29 1/4	6 1/4
RC-1204	12 x 10	12	10	19 3/4	6 1/4
RC-1404	14 x 10	14	10	29 1/4	6 1/4
RC-1405	14 x 12	14	12	19 3/4	6 1/4

**90 Degree YLs****Available in:**Carbon Steel, Galvanized Steel,
Aluminum 6061, 304 SS**Expanded ends standard through 6".
Straight Ends available on all sizes.****D** 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø**E** Inside Diameter (I.D.) = **A****G** Inside Diameter (I.D.) = **F****L** 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

2-1/8"Ø to - 16 Ga. material
 5"Ø to 8"Ø - 14 Ga. material
 10"Ø to - 12 Ga. material

All dimensions are in inches

Part No.	Size	A - o.d.	B	C	F - o.d.	H	K
TY-2051	2 1/8	2 1/8	5	9 3/32	2 1/8	4 11/16	9 1/2
TY-2551	2 1/2 x 2 1/8	2 1/2	5	9 9/32	2 1/8	4 7/8	10
TY-2561	2 1/2	2 1/2	6	10 5/32	2 1/2	5 3/16	10
TY-3051	3 x 2 1/8	3	5	9 17/32	2 1/8	5 1/8	10 1/2
TY-3061	3 x 2 1/2	3	6	10 13/32	2 1/2	5 7/16	10 1/2
TY-3071	3	3	7 1/2	11 19/32	3	5 29/32	10 1/2
TY-3551	3 1/2 x 2 1/8	3 1/2	5	9 25/32	2 1/8	5 3/8	11
TY-3561	3 1/2 x 2 1/2	3 1/2	6	10 21/32	2 1/2	5 11/16	11
TY-3571	3 1/2 x 3	3 1/2	7 1/2	11 27/32	3	6 5/32	13
TY-3581	3 1/2	3 1/2	8 3/4	12 31/32	3 1/2	6 9/16	13
TY-4051	4 x 2 1/8	4	5	10 1/32	2 1/8	5 5/8	12
TY-4061	4 x 2 1/2	4	6	10 29/32	2 1/2	5 15/16	12
TY-4071	4 x 3	4	7 1/2	12 3/32	3	6 13/32	12
TY-4081	4 x 3 1/2	4	8 3/4	13 7/32	3 1/2	6 13/16	14
TY-4091	4	4	10	14 11/32	4	7 1/4	14
TY-5051	5 x 2 1/8	5	5	10 17/32	2 1/8	6 1/8	13
TY-5061	5 x 2 1/2	5	6	11 13/32	2 1/2	6 7/16	13
TY-5071	5 x 3	5	7 1/2	12 19/32	3	6 29/32	15 1/2
TY-5081	5 x 3 1/2	5	8 3/4	13 23/32	3 1/2	7 5/16	15 1/2
TY-5091	5 x 4	5	10	14 27/32	4	7 3/4	15 1/2
TY-5151	5	5	12 1/2	17 9/16	5	9	18 1/2
TY-6051	6 x 2 1/8	6	5	11 1/32	2 1/8	6 5/8	15
TY-6061	6 x 2 1/2	6	6	11 29/32	2 1/2	6 15/16	15
TY-6071	6 x 3	6	7 1/2	13 3/32	3	7 13/32	15
TY-6081	6 x 3 1/2	6	8 3/4	14 7/32	3 1/2	7 13/16	17
TY-6091	6 x 4	6	10	15 11/32	4	8 1/4	17
TY-6141	6 x 5	6	12 1/2	18 1/16	5	9 1/2	21
TY-6151	6	6	15	20 25/32	6	10 25/32	21

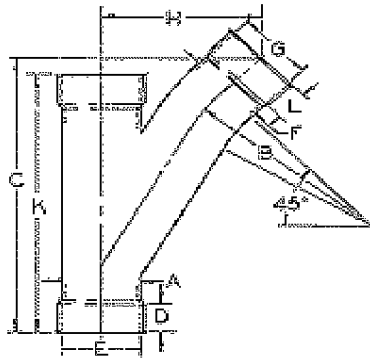
**90 Degree YLs****Available in:**Carbon Steel, Galvanized Steel,
Aluminum 6061, 304 SS**Expanded ends standard through 6".
Straight Ends available on all sizes.****D** 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø**E** Inside Diameter (I.D.) = **A****G** Inside Diameter (I.D.) = **F****L** 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

2-1/8"Ø to - 16 Ga. material
 5"Ø to 8"Ø - 14 Ga. material
 10"Ø to - 12 Ga. material

All dimensions are in inches

Part No.	Size	A - o.d.	B	C	F - o.d.	H	K
TY-805	8 x 2 1/8	8	5	12 3/32	2 1/8	11 3/4	18
TY-806	8 x 2 1/2	8	6	13 1/4	2 1/2	12 25/32	18
TY-807	8 x 3	8	7 1/2	14 7/8	3	14 9/32	18
TY-808	8 x 3 1/2	8	8 3/4	16 3/8	3 1/2	15 19/32	21
TY-809	8 x 4	8	10	17 7/8	4	16 29/32	21
TY-814	8 x 5	8	12 1/2	20 7/8	5	20 1/8	24
TY-815	8 x 6	8	15	23 7/8	6	23 11/32	24
TY-816	8	8	20	29 7/8	8	29 17/32	29
TY-1005	10 x 2 1/8	10	5	13 3/32	2 1/8	12 3/4	21
TY-1006	10 x 2 1/2	10	6	14 1/4	2 1/2	13 25/32	21
TY-1007	10 x 3	10	7 1/2	15 7/8	3	15 9/32	21
TY-1008	10 x 3 1/2	10	8 3/4	17 3/8	3 1/2	16 17/32	24
TY-1009	10 x 4	10	10	18 7/8	4	17 29/32	24
TY-1014	10 x 5	10	12 1/2	21 7/8	5	21 1/8	24
TY-1015	10 x 6	10	15	24 7/8	6	24 11/32	28
TY-1016	10 x 8	10	20	30 7/8	8	30 17/32	32
TY-1017	10	10	32	40 3/8	10	42 25/32	36
TY-1205	12 x 2 1/8	12	5	14 3/32	2 1/8	13 3/4	24
TY-1206	12 x 2 1/2	12	6	15 1/4	2 1/2	14 25/32	24
TY-1207	12 x 3	12	7 1/2	16 7/8	3	16 9/32	24
TY-1208	12 x 3 1/2	12	8 3/4	18 3/8	3 1/2	17 19/32	27
TY-1209	12 x 4	12	10	19 7/8	4	18 29/32	27
TY-1214	12 x 5	12	12 1/2	22 7/8	5	22 1/8	27
TY-1215	12 x 6	12	15	25 7/8	6	25 11/32	31
TY-1216	12 x 8	12	20	31 7/8	8	31 17/32	35
TY-1217	12 x 10	12	32	41 3/8	10	43 25/32	39
TY-1416	14 x 8	14	20	32 7/8	8	32 17/32	38
TY-1417	14 x 10	14	32	42 3/8	10	44 25/32	42
TY-1418	14 x 12	14	36**	47 7/8	12	50 1/8	46
TY-1419	14	14	36**	51 3/8	14	50 3/4	52

** segmented

45 Degree YLs**Available in:****Available in:**Carbon Steel, Galvanized Steel,
Aluminum 6061, 304 SS**Straight Ends available on all sizes.****D** 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø**E** Inside Diameter (I.D.) = **A****G** Inside Diameter (I.D.) = **F****L** 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

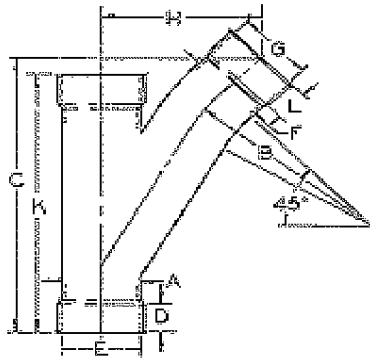
2-1/8"Ø to 4"Ø- 16 Ga. Material

5"Ø to 8"Ø- 14 Ga. Material

10"Ø to 14"Ø-12 Ga Material

All dimensions are in inches

Part No.	Size	A - o.d.	B	C	F - o.d.	H	K
YL-2151	2 1/8	2 1/8	5	9 3/32	2 1/8	4 11/16	9 1/2
YL-2551	2 1/2 x 2 1/8	2 1/2	5	9 9/32	2 1/8	4 7/8	10
YL-2561	2 1/2	2 1/2	6	10 5/32	2 1/2	5 3/16	10
YL-3051	3 x 2 1/8	3	5	9 17/32	2 1/8	5 1/8	10 1/2
YL-3061	3 x 2 1/2	3	6	10 13/32	2 1/2	5 7/16	10 1/2
YL-3071	3	3	7 1/2	11 19/32	3	5 29/32	10 1/2
YL-3551	3 1/2 x 2 1/8	3 1/2	5	9 25/32	2 1/8	5 3/8	11
YL-3561	3 1/2 x 2 1/2	3 1/2	6	10 21/32	2 1/2	5 11/16	11
YL-3571	3 1/2 x 3	3 1/2	7 1/2	11 27/32	3	6 5/32	13
YL-3581	3 1/2	3 1/2	8 3/4	12 31/32	3 1/2	6 9/16	13
YL-4051	4 x 2 1/8	4	5	10 1/32	2 1/8	5 5/8	12
YL-4061	4 x 2 1/2	4	6	10 29/32	2 1/2	5 15/16	12
YL-4071	4 x 3	4	7 1/2	12 3/32	3	6 13/32	12
YL-4081	4 x 3 1/2	4	8 3/4	13 7/32	3 1/2	6 13/16	14
YL-4091	4	4	10	14 11/32	4	7 1/4	14
YL-5051	5 x 2 1/8	5	5	10 17/32	2 1/8	6 1/8	13
YL-5061	5 x 2 1/2	5	6	11 13/32	2 1/2	6 7/16	13
YL-5071	5 x 3	5	7 1/2	12 19/32	3	6 29/32	15 1/2
YL-5081	5 x 3 1/2	5	8 3/4	13 23/32	3 1/2	7 5/16	15 1/2
YL-5091	5 x 4	5	10	14 27/32	4	7 3/4	15 1/2
YL-5151	5	5	12 1/2	17 9/16	5	9	18 1/2
YL-6051	6 x 2 1/8	6	5	11 1/32	2 1/8	6 5/8	15
YL-6061	6 x 2 1/2	6	6	11 29/32	2 1/2	6 15/16	15
YL-6071	6 x 3	6	7 1/2	13 3/32	3	7 13/32	15
YL-6081	6 x 3 1/2	6	8 3/4	14 7/32	3 1/2	7 13/16	17
YL-6091	6 x 4	6	10	15 11/32	4	8 1/4	17
YL-6141	6 x 5	6	12 1/2	18 1/16	5	9 1/2	21
YL-6151	6	6	15	20 25/32	6	10 25/32	21

45 Degree YLs**Available in:****Available in:**Carbon Steel, Galvanized Steel,
Aluminum 6061, 304 SS**Straight Ends available on all sizes.****D** 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø**E** Inside Diameter (I.D.) = **A****G** Inside Diameter (I.D.) = **F****L** 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

2-1/8"Ø to 4"Ø- 16 Ga. Material

5"Ø to 8"Ø- 14 Ga. Material

10"Ø to 14"Ø-12 Ga Material

All dimensions are in inches

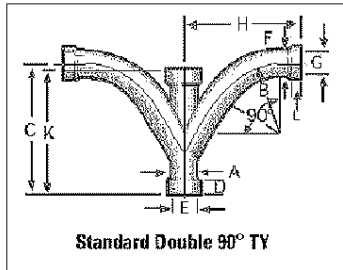
Part No.	Size	A - o.d.	B	C	F - o.d.	H	K
YL-8051	8 x 2 1/8	8	5	12 1/32	2 1/8	7 5/8	18
YL-8061	8 x 2 1/2	8	6	12 29/32	2 1/2	7 15/16	18
YL-8071	8 x 3	8	7 1/2	14 3/32	3	8 13/32	18
YL-8081	8 x 3 1/2	8	8 3/4	15 7/32	3 1/2	8 13/16	21
YL-8091	8 x 4	8	10	16 11/32	4	9 1/4	21
YL-8141	8 x 5	8	12 1/2	19 1/16	5	10 1/2	24
YL-8151	8 x 6	8	15	21 25/32	6	11 25/32	24
YL-8161	8	8	20	27	8	14 5/32	29
YL-10051	10 x 2 1/8	10	5	13 1/32	2 1/8	8 5/8	21
YL-10061	10 x 2 1/2	10	6	13 29/32	2 1/2	8 15/16	21
YL-10071	10 x 3	10	7 1/2	15 3/32	3	9 13/32	21
YL-10081	10 x 3 1/2	10	8 3/4	16 7/32	3 1/2	9 13/16	24
YL-10091	10 x 4	10	10	17 11/32	4	10 1/4	24
YL-10141	10 x 5	10	12 1/2	20 1/16	5	11 1/2	24
YL-10151	10 x 6	10	15	22 3/4	6	12 25/32	28
YL-10161	10 x 8	10	20	28	8	15 5/32	32
YL-10171	10	10	32	34 11/16	10	18 5/8	36
YL-12051	12 x 2 1/8	12	5	14 1/32	2 1/8	9 5/8	24
YL-12061	12 x 2 1/2	12	6	14 29/32	2 1/2	9 31/32	24
YL-12071	12 x 3	12	7 1/2	16 3/32	3	10 13/32	24
YL-12081	12 x 3 1/2	12	8 3/4	17 7/32	3 1/2	10 13/16	27
YL-12091	12 x 4	12	10	18 11/32	4	11 1/4	27
YL-12141	12 x 5	12	12 1/2	21 1/16	5	12 1/2	27
YL-12151	12 x 6	12	15	23 3/4	6	13 25/32	31
YL-12161	12 x 8	12	20	29	8	16 5/32	35
YL-12171	12 x 10	12	32	35 11/16	10	19 5/8	39
YL-12181	12	12	36**	40 3/4	12	21 27/32	43
YL-14161	14 x 8	14	20	30	8	17 5/32	38
YL-14171	14 x 10	14	32	36 11/32	10	20 5/8	42
YL-14181	14 x 12	14	36**	41 3/4	12	22 27/32	46
YL-14191	14	14	36**	45 15/16	14	24 13/32	52

** segmented

Processing Equipment, Inc.

Phone (859)-543-8524

Fax (859)-543-8534



2-1/8"Ø to 4"Ø- 16 Ga. Material
 5"Ø to 8"Ø- 14 Ga. Material
 10"Ø to 14"Ø-12 Ga Material

STANDARD DOUBLE 90° TY'S

Available in:

Carbon Steel, Galvanized Steel,
 Aluminum 6061, 304 SS

**Expanded ends standard, combinations available.
 Straight Ends available on all sizes.**

D 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

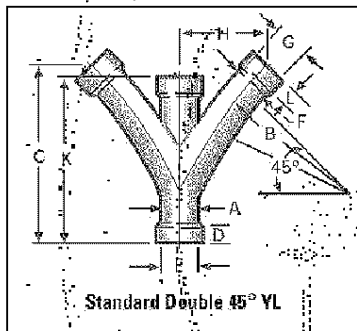
E Inside Diameter (I.D.) = **A**

G Inside Diameter (I.D.) = **F**

L 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

All dimensions are in inches

Part No.	Size	A - o.d.	B	C	F - o.d.	H	K
DTY-215	2 1/8	2 1/8	5	9 5/32	2 1/8	8 13/16	9 1/2
DTY-256	2 1/2	2 1/2	6	10 1/2	2 1/2	10 1/32	10
DTY-307	3	3	7 1/2	11 19/32	3	5 29/32	10 1/2
DTY-358	3 1/2	3 1/2	8 3/4	12 31/32	3 1/2	6 9/16	13
DTY-409	4	4	10	15 7/8	4	14 29/32	14
DTY-515	5	5	12 1/2	19 3/8	5	18.625	18 1/2
DTY-615	6	6	15	22 7/8	6	22 11/32	21



2-1/8"Ø to 4"Ø- 16 Ga. Material
 5"Ø to 8"Ø- 14 Ga. Material
 10"Ø to 14"Ø-12 Ga Material

STANDARD DOUBLE 45° YL'S

Available in:

Carbon Steel, Galvanized Steel,
 Aluminum 6061, 304 SS

**Expanded ends standard, combinations available.
 Straight Ends available on all sizes.**

D 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

E Inside Diameter (I.D.) = **A**

G Inside Diameter (I.D.) = **F**

L 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

All dimensions are in inches

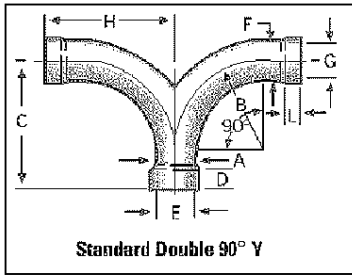
Part No.	Size	A - o.d.	B	C	F - o.d.	H	K
DYL-2151	2 1/8	2 1/8	5	9 3/32	2 1/8	4 11/16	9 1/2
DYL-2561	2 1/2	2 1/2	6	10 5/32	2 1/2	5 3/16	10
DYL-3071	3	3	7 1/2	11 19/32	3	5 29/32	11 1/2
DYL-3581	3 1/2	3 1/2	8 3/4	12 31/32	3 1/2	6 9/16	13
DYL-4091	4	4	10	14 11/32	4	7 1/4	14
DYL-5151	5	5	12 1/2	17 9/16	5	9	18 1/2
DYL-6151	6	6	15	20 25/32	6	10 15/32	21

STANDARD DOUBLE 90° Y

Available in:

Carbon Steel, Galvanized Steel,
Aluminum 6061, 304 SS

**Expanded ends standard, combinations available.
Straight Ends available on all sizes.**



2-1/8"Ø to 4"Ø- 16 Ga. Material
5"Ø to 8"Ø- 14 Ga. Material
10"Ø to 14"Ø-12 Ga Material

D 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

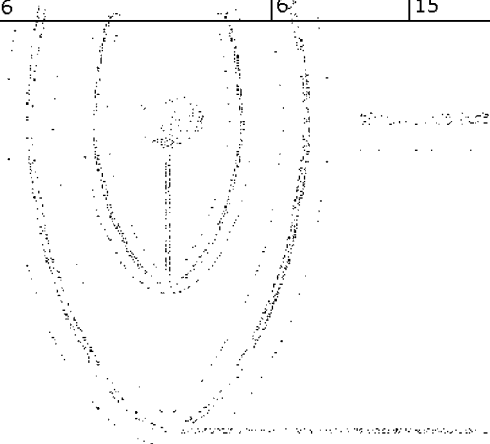
E Inside Diameter (I.D.) = **A**

G Inside Diameter (I.D.) = **F**

L 1-1/4" thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

All dimensions are in inches

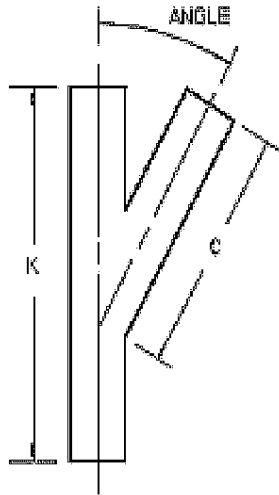
Part No.	Size	A - o.d.	B	C	F - o.d.	H	K
DY-215	2 1/8	2 1/8	5	7	2 1/8	7	-
DY-256	2 1/2	2 1/2	6	8	2 1/2	8	-
DY-307	3	3	7 1/2	9 1/2	3	9 1/2	-
DY-358	3 1/2	3 1/2	8 3/4	10 3/4	3 1/2	10 3/4	-
DY-409	4	4	10	12	4	12	-
DY-515	5	5	12 1/2	15 1/8	5	15.125	-
DY-615	6	6	15	18 1/4	6	18 1/4	-



Custom Fabricated Laterals

Available in:

Carbon Steel, Galvanized Steel,
Aluminum 6061, 304 SS



Laterals are custom fabricated from tubing (light wall), or piping (heavy wall) as you specify.

**Sizes shown below feature equal size branches.
Smaller branch lines and even 90 TY branch lines may
be specified.**

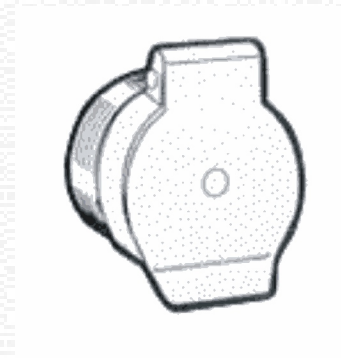
30 degree laterals work well in many central vacuum
systems; however, many installations will benefit using 15
degree laterals.

Size	30°		45°		60°	
	K	C	K	C	K	C
1 1/2	16	10	16	10	14	8
2	16	10	16	10	14	8
2 1/2	18	12	16	10	16	8
3	18	12	16	10	16	8
3 1/2	24	16	20	12	24	12
4	24	16	20	12	24	12
5	30	24	24	18	24	18
6	36	28	30	20	30	20
8	36	28	36	20	36	20

**To order, please specify size and type of metal, wall thickness,
radius, and lateral degree, as required.**

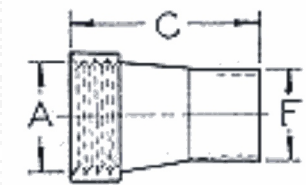
Industrial Inlet Valves up to 6"Ø

Part No.	Hose Size	MNPT
VC-150	1 1/2	2
VC-180	1.8 (Spencer)	2
VC-200	2	2
VC-250	2 1/2	2 1/2
VC-300	3	3
VC-400	4	4
VC-500	5	5
VC-600	6	6



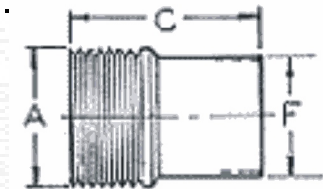
Female Adapter

Part No.	F - o.d.	A-FNPT	C	Gauge
FA-201	2 1/8	2	4	16
FA-251	2 1/2	2 1/2	5	16
FA-301	3	3	5 1/4	16
FA-351	3 1/2	3 1/2	5 1/2	16
FA-401	4	4	6 1/2	16
FA-501	5	5	6 3/4	14
FA-601	6	6	7	14
FA-801	8	8	9	14
FA-1001	10	10	11	12
FA-1201	12	12	13	12



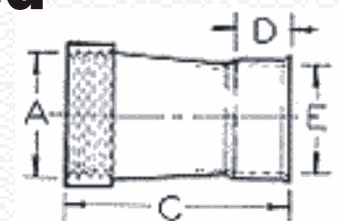
Male Adapter

Part No.	F - o.d.	A-MNPT	C	Gauge
MA-202	2 1/8	2	4	16
MA-252	2 1/2	2 1/2	4	16
MA-302	3	3	4 3/4	16
MA-352	3 1/2	3 1/2	4 3/4	16
MA-402	4	4	4 3/4	16
MA-502	5	5	5	14
MA-602	6	6	5 1/4	14
MA-802	8	8	5 3/4	14
MA-1002	10	10	6 1/4	12
MA-1202	12	12	6 1/2	12



Female Adapter-Expanded

Part No.	E - i.d.	A-MNPT	C	Gauge
FA-203	2 1/8	2	4	16
FA-253	2 1/2	2 1/2	5	16
FA-303	3	3	5 1/4	16
FA-353	3 1/2	3 1/2	5 1/2	16
FA-403	4	4	6 1/2	16
FA-503	5	5	6 3/4	14
FA-603	6	6	7	14



D 1-1/4 thru 4"Ø, 1-1/2" for 5"Ø & 6"Ø

MNPT = Male National Pipe Thread, FNPT = Female National Pipe Thread

All dimensions are in inches

Female Reducing Adapter

Part No.	A-FNPT	E - i.d.	C
FA-206	2	2 1/2	4 1/4

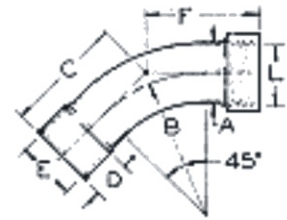
2 1/2"Ø is 16 Ga. Material



Female Reducing Adapter

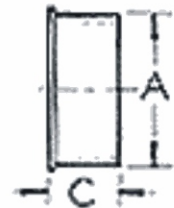
Part No.	A-FNPT	E - i.d.	C & F	B
AE-2111	2	2 1/8	4 1/16	5
AE-2511	2	2 1/2	4 1/4	6
AE-2512	2 1/2	2 1/2	4 1/4	6

2 1/8"Ø and 2 1/2"Ø is 16 Ga. Material



Cleanout / Tube Plug

Part No.	Size	A-o.d.	C
TP-210	2 1/8	2 1/8	1 3/8
TP-260	2 1/2	2 1/2	1 3/8
TP-310	3	3	1 3/8
TP-360	3 1/2	3 1/2	1 3/8
TP-410	4	4	1 5/8
TP-510	5	5	1 5/8
TP-610	6	6	1 3/4
TP-810	8	8	1 3/8
TP-1010	10	10	2
TP-1210	12	12	2

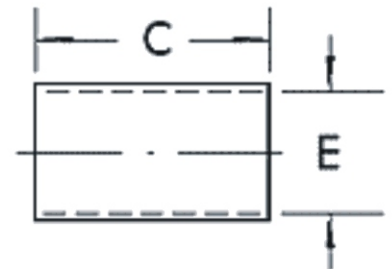


Material Gauge:

- 2-1/8"Ø to 4"Ø - 16 Ga. material
- 5"Ø to 8"Ø - 14 Ga. material
- 10"Ø to 12"Ø - 12 Ga. Material

Slip Couplings

Part No.	Size	C	E - i.d.	Gauge
SC-203	2 1/8	3	2 1/8	16
SC-253	2 1/2	3 1/2	2 1/2	16
SC-303	3	4	3	16
SC-353	3 1/2	4 1/2	3 1/2	16
SC-403	4	5	4	16
SC-503	5	6	5	14
SC-603	6	7	6	14
SC-803	8	8	8	14
SC-1003	10	10	10	12
SC-1203	12	12	12	12
SC-1403	14	14	14	12



available in:

Carbon Steel, Galvanized Steel, Aluminum 6061, 304 SS

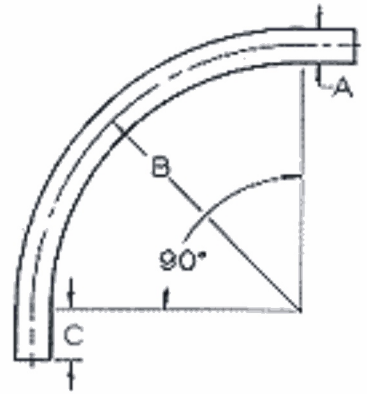
Used to join any two straight ends of tube or fittings. Fittings are available with expanded end only up to 6". Large fittings require couplings.

NOTE: When time of installation is taken into account, the least expensive method of joining light wall employs shrink sleeves on expanded end fittings for 4"Ø and less, and compression couplings on larger sizes. Compression couplings replace slip couplings. Slip couplings are still required for joining tube ends.

Remember, slip couplings require TWO shrink sleeves to seal.

Long Radius Tubing Bends

A - o.d.	B - CLR (Angle as Required)	Gauge
1 1/2	5 3/4, 7, 10 1/4, 11 3/4, 18, 24, 36	16, 11
2	7, 10 1/4, 11 3/4, 18, 24, 30, 36, 48	16, 11
2 1/8	10 1/4, 24, 36	16
2 1/2	10 1/4, 11 3/4, 18, 24, 30, 36, 48	16, 11
3	18, 24, 30, 36, 48	16
3	8 13/16, 11 3/4, 15 1/2, 18, 24, 30, 36, 48	11
3 1/2	11 3/4**, 15 1/2, 18, 24, 30, 36, 48	16, 11
4	24, 36, 48	16
4	13 5/8, 15 1/2, 18, 24, 30, 36, 48	11
4 1/2	18, 24, 30, 36, 48	14
5	30, 36, 48	14



Custom bends in tubing sizes available in the Center Line Radius (CLR) sizes shown below.

Sizes 1-1/2"Ø to 6"Ø. Straight ends only.

To order, please specify O.D., material, wall thickness, CLR, and degree of angle.

Standard tangents C are 2x O.D. (5" minimum). Custom tangents available.

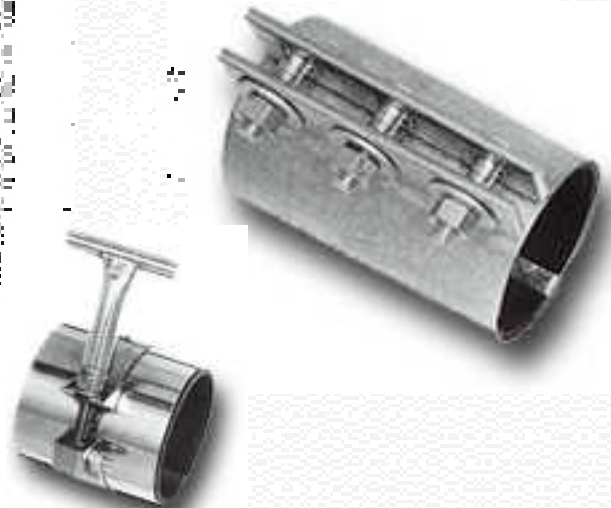
16 Ga. is 0.065 wall, 11 Ga. is 0.120 wall

**11 Ga. only.

All dimensions are in inches

Bolt or Compression Couplings

Common Name	Part No. for O.D. Tubing	Part No. for I.D. Pipe	Pipe (o.d.)
1 1/2	B 150	A 15	1.9
1 3/4	B 175		
2	B 200	A 2	2.375
2 1/8	B 218		
2 1/2	B 25	A 25	2.875
3	B 3	A 3	3.5
3 1/2	B 35	A 35	4
4	B 4	A 4	4.5
4 1/2	B 45		
5	B 5	A 5	5.563
6	B 6	A 6	6.625
8	B 8	A 8	8.625
10	B 10	A 10	10.75
12	B 12	A 12	12.75
14	B 14	A 14	14



Bolted couplings are available in both heavy wall pipe size and tube size up to 24"Ø.

Installation requires only a 3/4" wrench or deep socket. Allows fast cleanout and bend replacements.

Completely reusable.

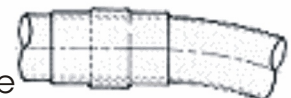
Models available in 3, 4, 5, and 6+ bolt configurations to safely accommodate heavy wall installations.

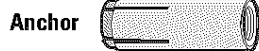
Galvanized with plated hardware, or all stainless. Various gasket types available depending on application.

Couplings are also available with single and double no-tools required Tee-Handles.

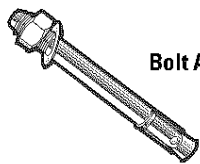
Shrink Sleeves

A heat-shrinkable polyolefin band that literally shrinks and encircles the connection. The resulting join is mechanically strong and vacuum tight.

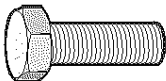




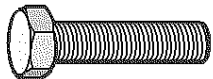
Anchor



Bolt Anchor



Hex Head Cap Screw
3/8" x 1"



Hex Head Cap Screw
3/8" x 1-1/4"



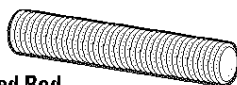
Hex Nut



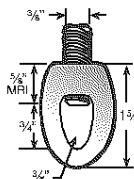
Flat Washer



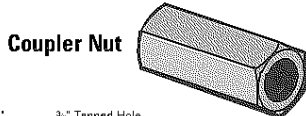
Split Lock Washer



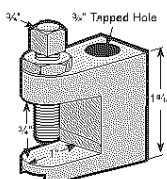
Threaded Rod



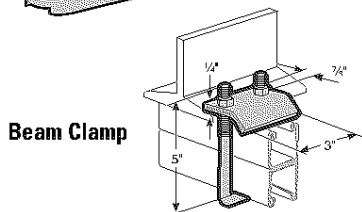
Eye Nut



Coupler Nut



Beam Clamp



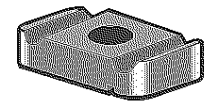
Beam Clamp

Installation Components

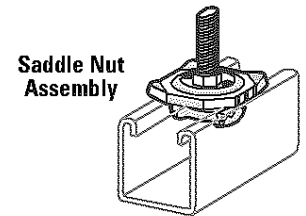
DESCRIPTION	SIZE	MATERIAL	PKGD.	PART NO.
Anchor, Hilti®	3/8" x 1-9/16" (Length)	Zinc	50 pc.	ANC-0380
Bolt Anchor, Includes Washer and Hex Nut	3/8" x 3-3/4" (Overall Length) 1-1/8" Thread Length	Zinc	100 pc.	ANC-0381
Features: Comprehensive performance testing in concrete, lightweight concrete, and grout-filled block base materials. Can be installed in a bottomless hole. Anchor size is same as hole size for easy installation. Hilti® Kwik Bolt II Stud Anchor System.				
Hex Head Cap Screw	3/8" x 1" (Length)	Zinc	50 pc.	HCS-0380
Hex Head Cap Screw "More Length When You Need It"	3/8" x 1-1/4" (Length)	Zinc	50 pc.	HCS-0381
Hex Nut	3/8"	Zinc	50 pc.	HXN-0380
Flat Washer	3/8"	Zinc	50 pc.	FW-0380
Split Lock Washer	3/8"	Zinc	50 pc.	LKW-0380
Threaded Rod	3/8" x 6' (Length)	Zinc	each	ATR-100
Eye Nut Maximum Allowable Load is 610 lbs. "Works Great With Metro® Tube Hangers"	3/8" Tapped Hole	Malleable Iron - Plain.	each	EN-0380
Coupler Nut	3/8" x 1-3/4" (Length)	Zinc	each	CN-0380
Beam Clamp with Zinc Set Screw and Lock Nut. Maximum Allowable Load, in top or bottom position, is 550 lbs.	3/8" Tapped Hole	Malleable Iron - Galv.	each	BC-037T
Beam Clamp with Set Screw and Lock Nut. Maximum Allowable Load, in top position, is 500 lbs.; in bottom position, 250 lbs. "The Cost-Effective Solution When You Don't Need Our Heavy-Duty Beam Clamp (BC-037T)"	3/8" Tapped Hole	Malleable Iron - Plain	each	BC-100
Beam Clamp with U-Bolt and 3/8" Hex Nuts included, for use with Beams up to 3/4" Flanges. Design Load is 1000 lbs. Use in pairs only		Zinc	2 pc.	BC-2786

Installation Components - cont.

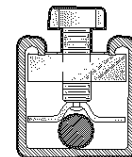
DESCRIPTION	SIZE	MATERIAL	PKGD.	PART NO.
Channel Nut , without spring	3/8"	Zinc	each	CHN-0380
Saddlenut Assembly <i>"Replaces Square Washer Plate and a Channel Nut Combination"</i>		Zinc	25	SN-0380
Hanger Rod Stiffener Assembly <i>"Adds Rigidity to all Threaded Rod / Strut Channel Combinations where Earthquake Activity is a Concern"</i>		Zinc	each	SA-100
Slotted Strut , 14 Gauge	13/16"(D) x 1-5/8", 10' Length	Zinc	each	UN-100
Slotted Strut , 14 Gauge <i>"An Economical Alternative When You Don't Require Our Heavy-Duty Strut (UN-202)"</i>	1-5/8"(D) x 1-5/8", 10' Length	Zinc	each	UN-201
Slotted Strut , 12 Gauge	1-5/8"(D) x 1-5/8", 10' Length	Zinc	each	UN-202
Strut , 12 Gauge	9/16" Hole Strut 1-5/8"(D) x 1-5/8", 10' Length	Zinc	each	UN-200
90° Strut Bracket	2 x 2, 9/16" Holes	Zinc	each	BRKT-0900
90° Strut Bracket	2 x 1, 9/16" Holes	Zinc	each	BRKT-0901
45° Strut Bracket	9/16" Holes	Zinc	each	BRKT-0450
Square Washer Plate	7/16" Hole for 3/8" Bolt Size	Zinc	100 pc.	SQW-0380
Tube Hanger , includes Bolt and Nut	For 1-1/2" OD Tube	Zinc	each	TH-150
Tube Hanger , includes Bolt and Nut	For 2" OD Tube	Zinc	each	TH-200
Tube Hanger , includes Bolt and Nut	For 2-1/8" and 2-1/4" OD Tube	Zinc	each	TH-212
Tube Hanger , includes Bolt and Nut	For 2-1/2" OD Tube	Zinc	each	TH-250
Tube Hanger , includes Bolt and Nut	For 3" OD Tube	Zinc	each	TH-300
Tube Hanger , includes Bolt and Nut	For 3-1/2" OD Tube	Zinc	each	TH-350
Tube Hanger , includes Bolt and Nut	For 4" OD Tube	Zinc	each	TH-400
Tube Hanger , includes Bolt and Nut	For 4-1/2" OD Tube	Zinc	each	TH-450
Tube Hanger , includes Bolt and Nut	For 5" OD Tube	Zinc	each	TH-500
Tube Hanger , includes Bolt and Nut	For 6" OD Tube	Zinc	each	TH-600
Tube Hanger , includes Bolt and Nut	For 8" OD Tube	Zinc	each	TH-800
Tube Hanger , includes Bolt and Nut	For 10" OD Tube	Zinc	each	TH-1000
Tube Hanger , includes Bolt and Nut	For 12" OD Tube	Zinc	each	TH-1200
Tube Hanger , includes Bolt and Nut	For 14" OD Tube	Zinc	each	TH-1400



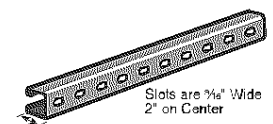
Channel Nut



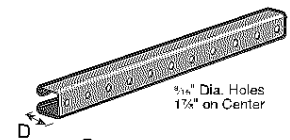
Saddlenut Assembly



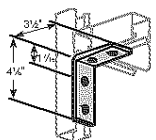
Hanger Rod Stiffener Assembly



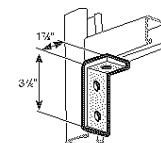
Slotted Strut



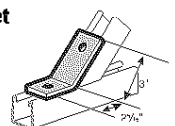
Strut



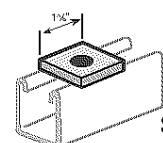
90° Strut Bracket
2 holes x 2 holes



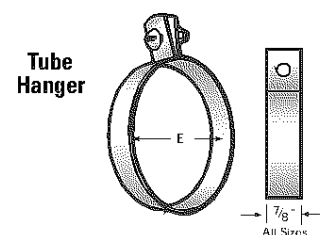
90° Strut Bracket
2 holes x 1 hole



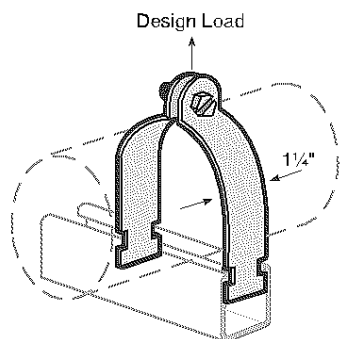
45° Strut Bracket



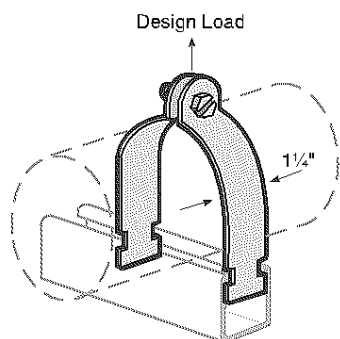
Square Washer Plate



Tube Hanger



Pipe Clamp



Tube Clamp

Installation Components - cont.

DESCRIPTION	SIZE	MATERIAL	PKGD.	PART NO.
Pipe Clamp , includes Slotted Hex Head Screw and Nut, Design Load 800 lbs.	For 1-1/2" Pipe Size	Zinc	4 pc.	PCL-150
Pipe Clamp , includes Slotted Hex Head Screw and Nut, Design Load 800 lbs.	For 2" Pipe Size	Zinc	4 pc.	PCL-200
Pipe Clamp , includes Slotted Hex Head Screw and Nut, Design Load 800 lbs.	For 2-1/2" Pipe Size	Zinc	4 pc.	PCL-250
Pipe Clamp , includes Slotted Hex Head Screw and Nut, Design Load 800 lbs.	For 3" Pipe Size	Zinc	4 pc.	TCL-350*
Pipe Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 3-1/2" Pipe Size	Zinc	4 pc.	TCL-400*
Pipe Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 4" Pipe Size	Zinc	4 pc.	TCL-450*
Pipe Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 5" Pipe Size	Zinc	4 pc.	PCL-500
Pipe Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 6" Pipe Size	Zinc	4 pc.	PCL-600
Pipe Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 8" Pipe Size	Zinc	4 pc.	PCL-800**
* Tube Clamp also fits this pipe size.				
** 2 piece package				
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 600 lbs.	For 1-1/2" OD Tube	Zinc	4 pc.	TCL-150
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 800 lbs.	For 2" OD Tube	Zinc	4 pc.	TCL-200
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 800 lbs.	For 2-1/8" OD Tube	Zinc	4 pc.	TCL-212
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 800 lbs.	For 2-1/2" OD Tube	Zinc	4 pc.	TCL-250
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 800 lbs.	For 3" OD Tube	Zinc	4 pc.	TCL-300
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 800 lbs.	For 3-1/2" OD Tube	Zinc	4 pc.	TCL-350
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 4" OD Tube	Zinc	4 pc.	TCL-400
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 4-1/2" OD Tube	Zinc	4 pc.	TCL-450
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 5" OD Tube	Zinc	4 pc.	TCL-500
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 6" OD Tube	Zinc	4 pc.	TCL-600
Tube Clamp , includes Slotted Hex Head Screw and Nut, Design Load 1000 lbs.	For 8" OD Tube	Zinc	4 pc.	TCL-800**

** 2 piece package