

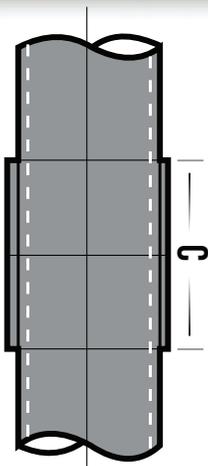
METHODS OF JOINING

All reference dimensions are nominal

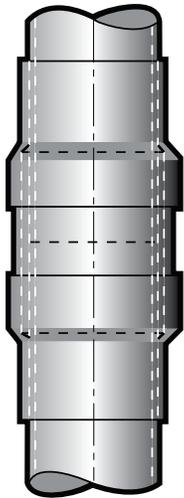
SLIP COUPLINGS

Can be used for joining any two straight ends of tubing or fittings. The slip coupling is a solid sleeve that fits the OD of the joint which can then be glued, brazed, welded, or covered by shrink sleeves.

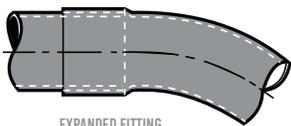
- 2-1/8" through 14" OD
- Wall Thickness: 16, 14, 12 Gauge
- Materials: Carbon, Stainless, Aluminum, Galvanized Steel



SLIP COUPLING



SHRINK SLEEVES



EXPANDED FITTING

SIZE	C	ID	GAUGE	PART NO.
2"	3"	2"	16	SC-203
2-1/8"	3"	2-1/8"	16	SC-213
2-1/2"	3-1/2"	2-1/2"	16	SC-253
3"	4"	3"	16	SC-303
3-1/2"	4-1/2"	3-1/2"	16	SC-353
4"	5"	4"	16	SC-403
5"	6"	5"	14	SC-503
6"	7"	6"	14	SC-603*
8"	8"	8"	14	SC-803
10"	10"	10"	12	SC-1003
12"	12"	12"	12	SC-1203
14"	14"	14"	12	SC-1403

• JOINING METHODS ARE FOR USE IN LOW PRESSURE (UNDER 15 PSIG) SYSTEMS
* 6" GALVANIZED SLIP COUPLING IS 16 GAUGE. ALL OTHER MATERIALS ARE 14 GAUGE

SHRINK SLEEVES

A heat shrinkable polyolefin band that literally shrinks and encircles the connection giving it mechanical strength and a positive seal. It can be used in conjunction with a slip coupling or when using expanded fittings. Gluing, brazing and welding operations are eliminated.

FOR TUBE OD SIZE	SLEEVE LENGTH	PART NO.
2" -2-1/8"	4"	SS-212
2-1/2" - 3"	4-1/2"	SS-300
3-1/2" - 4"	4-1/2"	SS-400
5"	4-1/2"	SS-500
6"	4-1/2"	SS-600
8"	9"	SS-800
10"	9"	SS-1000
12"	9"	SS-1200
14"	9"	SS-1400

• JOINING METHODS ARE FOR USE IN LOW PRESSURE (UNDER 15 PSIG) SYSTEMS

WRAPPED SLEEVE

This kit contains a sheet of black material 18" wide and a sealing strip. The wrapped sleeve comes in a polyolefin shell with a semicrystalline adhesive.

WIDTH	TUBE LENGTH	PART NO.
18"	14"	WS-1400

EXPANDED FITTINGS

This type of connection enables a straight section of tubing to slip inside the expanded end of the fitting. The two pieces can then be "locked" together by any one of several techniques - brazing, welding, industrial adhesive or shrink sleeves. Not available in 11 gauge material. Joining methods are for use in low pressure (under 15 PSIG) systems.

WHEN ORDERING, PLEASE SPECIFY TYPE OF MATERIAL

- Carbon
- Stainless
- Aluminum
- Galvanized Steel

KEY

OD = Outside Diameter
ID = Inside Diameter
PSIG = Pounds per Square Inch Gravity
All reference dimensions are nominal.

METHODS OF JOINING

INSTALOCK

- Couplings are made of galvanized steel
- Standard O-ring is black nitrile
- Also offering replacement O-rings, nuts, bolts and clamps

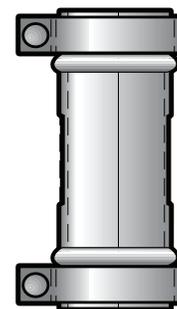
OD	NPS	O-RING	LENGTH (IN.)	PART NO.
1-1/2"	-	Black	4	CP15042B-16Z
1-1/2"	-	White	4	CP15042W-16Z
1-1/2"	-	Black	6	CP15062B-16Z
1-1/2"	-	White	6	CP15062W-16Z
1-3/4"	-	Black	4	CP17542B-16Z
1-3/4"	-	White	4	CP17542W-16Z
1-3/4"	-	Black	6	CP17562B-16Z
1-3/4"	-	White	6	CP17562W-16Z
2"	-	Black	4	CP20042B-16Z
2"	-	White	4	CP20042W-16Z
2"	-	Black	6	CP20062B-16Z
2"	-	White	6	CP20062W-16Z
2-1/8"	-	Black	4	CP21242B-16Z
2-1/8"	-	White	4	CP21242W-16Z
2-1/8"	-	Black	6	CP21262B-16Z
2-1/8"	-	White	6	CP21262W-16Z
2-1/4"	-	Black	4	CP22542B-16Z
2-1/4"	-	White	4	CP22542W-16Z
2-1/4"	-	Black	6	CP22562B-16Z
2-1/4"	-	White	6	CP22562W-16Z
2-3/8"	2"	Black	4	CP237542B-16Z
2-3/8"	2"	White	4	CP237542W-16Z
2-3/8"	2"	Black	6	CP237562B-16Z
2-3/8"	2"	White	6	CP237562W-16Z
2-3/8"	2"	Black	8	CP237582B-16Z
2-3/8"	2"	White	8	CP237582W-16Z
2-1/2"	-	Black	4	CP25042B-16Z
2-1/2"	-	White	4	CP25042W-16Z
2-1/2"	-	Black	6	CP25062B-16Z
2-1/2"	-	White	6	CP25062W-16Z
2-1/2"	-	Black	8	CP25082B-16Z
2-1/2"	-	White	8	CP25082W-16Z
2-7/8"	2-1/2"	Black	4	CP287542B-16Z
2-7/8"	2-1/2"	White	4	CP287542W-16Z
2-7/8"	2-1/2"	Black	6	CP287562B-16Z
2-7/8"	2-1/2"	White	6	CP287562W-16Z
2-7/8"	2-1/2"	Black	8	CP287582B-16Z
2-7/8"	2-1/2"	White	8	CP287582W-16Z

INSTALOK™

Specifications

- 1-1/2" OD to 4" OD
- 20% Lower cost than traditional couplings
- 30% Quicker installation
- Couplings have a unique clamping design that offers unparalleled strength and grip
- Made with Grade 5 stress relieved bolts to ensure durability
- Standard O-ring is black nitrile
- Galvanized Steel Construction

We also offer replacement O-rings, nuts, bolts and clamps



METHODS OF JOINING

All reference dimensions are nominal

INSTALOCK

- Couplings are made of galvanized steel
- Standard O-ring is black nitrile
- Also offering replacement O-rings, nuts, bolts and clamps

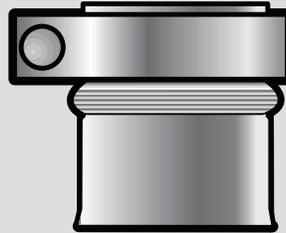
INSTALOK™ Dust Cap

Specifications

- 1-1/2" OD to 4" OD
- Utilizes the same unique clamping design as the INSTALOK Coupling
- Great for sealing exposed/unused material handling lines
- Non-permanent and completely reusable

We also offer replacement O-rings, nuts, and bolts

OD	NPS	O-RING	LENGTH (IN.)	PART NO.
3"	-	Black	4	CP30042B-16Z
3"	-	White	4	CP30042W-16Z
3"	-	Black	6	CP30062B-16Z
3"	-	White	6	CP30062W-16Z
3"	-	Black	8	CP30082B-16Z
3"	-	White	8	CP30082W-16Z
3-1/2"	3"	Black	4	CP35042B-16Z
3-1/2"	3"	White	4	CP35042W-16Z
3-1/2"	3"	Black	6	CP35062B-16Z
3-1/2"	3"	White	6	CP35062W-16Z
3-1/2"	3"	Black	8	CP35082B-16Z
3-1/2"	3"	White	8	CP35082W-16Z
4"	3-1/2"	Black	4	CP40042B-16Z
4"	3-1/2"	White	4	CP40042W-16Z
4"	3-1/2"	Black	6	CP40062B-16Z
4"	3-1/2"	White	6	CP40062W-16Z
4"	3-1/2"	Black	8	CP40082B-16Z
4"	3-1/2"	White	8	CP40082W-16Z



INSTALOK DUST CAPS

OD	NPS	O-RING	LENGTH	PRODUCT ID
1-1/2"		Black	3"	DC-150-B
1-3/4"		Black	3"	DC-175-B
2"		Black	3"	DC-200-B
2-1/8"		Black	3"	DC-212-B
2-1/4"		Black	3"	DC-225-B
2-1/2"		Black	3"	DC-250-B
3"		Black	3"	DC-300-B
3-1/2"	3"	Black	3"	DC-350-B
4"	3-1/2"	Black	3"	DC-400-B

KEY

OD = Outside Diameter
 NPS = Nominal Pipe Size
 All reference dimensions are nominal.

Catalog Part Variations Available Upon Request

Give us a call if you can't find exactly what you need!

COMPRESSION COUPLINGS

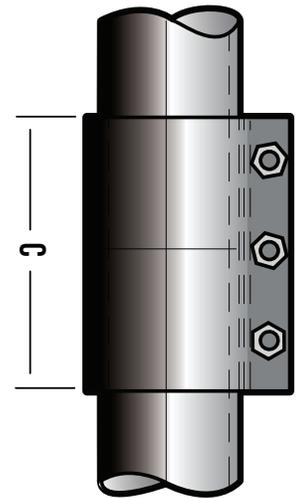
"Our own signature coupling"

- Straight end tubing or fittings butt together within the ID of the coupling, and the joint is mechanically locked simply by tightening the bolts.
- 2-1/8" to 14" OD
- Standard Material is Galvanized Steel
- Standard Coupling includes Black Neoprene Gasket & Stainless Steel Grounding Strip.

- WE ARE ALSO CAPABLE OF STAINLESS COMPRESSION COUPLINGS
- OTHER GASKETS AVAILABLE: WHITE NITRILE, RED RUBBER, SILICONE, EPDM AND VITON
- STAINLESS STEEL GASKET PROTECTORS ARE ALSO AVAILABLE
- WE CAN FURNISH YOU WITH REPLACEMENT NUTS, BOLTS, GASKETS AND STATIC STRIPS

OD	NO. BOLT	GASKET	PROTECTOR	COUPLING LENGTH	PART NO.
2-1/8"	2	BLACK	-	4	21252B10
2-1/8"	2	BLACK	YES	4	21252B11
2-1/8"	3	BLACK	-	6	21253B10
2-1/8"	3	BLACK	YES	6	21253B11
2-1/2"	2	BLACK	-	4	25002B10
2-1/2"	2	BLACK	YES	4	25002B11
2-1/2"	3	BLACK	-	6	25003B10
2-1/2"	3	BLACK	YES	6	25003B11
2-1/2"	4	BLACK	-	8	25004B10
2-1/2"	4	BLACK	YES	8	25004B11
3"	2	BLACK	-	4	30002B10
3"	2	BLACK	YES	4	30002B11
3"	3	BLACK	-	6	30003B10
3"	3	BLACK	YES	6	30003B11
3"	4	BLACK	-	8	30004B10
3"	4	BLACK	YES	8	30004B11
3-1/2"	2	BLACK	-	4	35002B10
3-1/2"	2	BLACK	YES	4	35002B11
3-1/2"	3	BLACK	-	6	35003B10
3-1/2"	3	BLACK	YES	6	35003B11
3-1/2"	4	BLACK	-	8	35004B10
3-1/2"	4	BLACK	YES	8	35004B11
4"	2	BLACK	-	4	40002B10
4"	2	BLACK	YES	4	40002B11
4"	3	BLACK	-	6	40003B10
4"	3	BLACK	YES	6	40003B11
4"	4	BLACK	-	8	40004B10
4"	4	BLACK	YES	8	40004B11
5"	2	BLACK	-	4	50002B10
5"	2	BLACK	YES	4	50002B11
5"	3	BLACK	-	6	50003B10
5"	3	BLACK	YES	6	50003B11
5"	4	BLACK	-	8	50004B10

- FOR COUPLINGS 1-1/4" THROUGH 2-7/8" OD THE BOLT SIZE IS 1/2" X 2"
- FOR COUPLINGS 3" THROUGH 7-1/2" OD THE BOLT SIZE IS 5/8" X 2-1/4"
- FOR COUPLINGS 8" THROUGH 14" OD THE BOLT SIZE IS 3/4" X 3"
- JOINING METHODS ARE FOR USE IN LOW PRESSURE (UNDER 15 PSIG) SYSTEMS



COMPRESSION
COUPLING

KEY

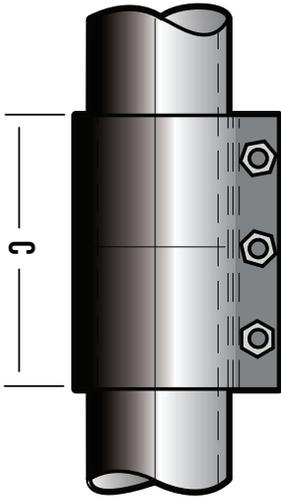
ID = Inside Diameter
OD = Outside Diameter

All reference dimensions
are nominal.

COMPRESSION COUPLINGS - CONT.

"Our own signature coupling"

- WE ARE ALSO CAPABLE OF STAINLESS COMPRESSION COUPLINGS
- OTHER GASKETS AVAILABLE: WHITE NITRILE, RED RUBBER, SILICONE, EPDM AND VITON
- STAINLESS STEEL GASKET PROTECTORS ARE ALSO AVAILABLE
- WE CAN FURNISH YOU WITH REPLACEMENT NUTS, BOLTS, GASKETS AND STATIC STRIPS



COMPRESSION
COUPLING

OD	NO. BOLT	GASKET	PROTECTOR	COUPLING LENGTH	PART NO.
5"	4	BLACK	YES	8	50004B11
6"	2	BLACK	-	4	60002B10
6"	2	BLACK	YES	4	60002B11
6"	3	BLACK	-	6	60003B10
6"	3	BLACK	YES	6	60003B11
6"	4	BLACK	-	8	60004B10
6"	4	BLACK	YES	8	60004B11
6"	5	BLACK	-	10	60005B10
6"	5	BLACK	YES	10	60005B11
8"	2	BLACK	-	6	80002B10
8"	2	BLACK	YES	6	80002B11
8"	3	BLACK	-	8	80003B10
8"	3	BLACK	YES	8	80003B11
8"	4	BLACK	-	10	80004B10
8"	4	BLACK	YES	10	80004B11
8"	5	BLACK	-	12	80005B10
8"	5	BLACK	YES	12	80005B11
10"	3	BLACK	-	8	100003B10
10"	3	BLACK	YES	8	100003B11
10"	4	BLACK	-	10	100004B10
10"	4	BLACK	YES	10	100004B11
10"	5	BLACK	-	12	100005B10
10"	5	BLACK	YES	12	100005B11
12"	3	BLACK	-	8	120003B10
12"	3	BLACK	YES	8	120003B11
12"	4	BLACK	-	10	120004B10
12"	4	BLACK	YES	10	120004B11
12"	5	BLACK	-	12	120005B10
12"	5	BLACK	YES	12	120005B11
14"	4	BLACK	-	10	140004B10
14"	4	BLACK	YES	10	140004B11
14"	5	BLACK	-	12	140005B10
14"	5	BLACK	YES	12	140005B11

• FOR COUPLINGS 1-1/4" THROUGH 2-7/8" OD THE BOLT SIZE IS 1/2" X 2"

• FOR COUPLINGS 3" THROUGH 7-1/2" OD THE BOLT SIZE IS 5/8" X 2-1/4"

• FOR COUPLINGS 8" THROUGH 14" OD THE BOLT SIZE IS 3/4" X 3"

• JOINING METHODS ARE FOR USE IN LOW PRESSURE (UNDER 15 PSIG) SYSTEMS

KEY

OD = Outside Diameter

All reference dimensions are nominal.

METHODS OF JOINING

SLIP WELDING RINGS

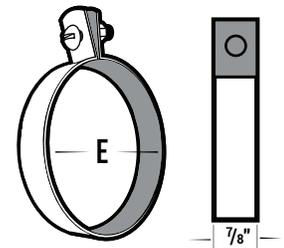
- 8" to 14" OD
- Materials: Carbon, Stainless, Aluminum, Galvanized Steel

SIZE	C	E (ID)	GAUGE	PART NO.
8"	3"	8"	14	WR-8035
10"	3"	10"	12	WR-10035
12"	3"	12"	12	WR-12035
14"	3"	14"	12	WR-14035

TUBE PLUGS

- 2-1/8" to 14" OD/ID
- Wall Thickness: 16, 14, 12 Gauge
- AVAILABLE IN 11 GAUGE

SIZE	A (OD)/(ID)	GAUGE	C	PART NO.
2-1/8"	2-1/8" OD	16	1-3/8"	TP-210
2-1/2"	2-1/2" OD	16	1-3/8"	TP-260
3"	3" OD	16	1-3/8"	TP-310
3-1/2"	3-1/2" OD	16	1-3/8"	TP-360
4"	4" OD	16	1-3/8"	TP-410
5"	5" OD	14	1-5/8"	TP-510
6"	6" OD	14	1-5/8"	TP-610
8"	8" ID	14	1-3/4"	TP-810
10"	10" ID	12	2"	TP-1010
12"	12" ID	12	2"	TP-1210
14"	14" ID	12	2"	TP-1410



STANDARD TUBE HANGER

TUBE HANGERS

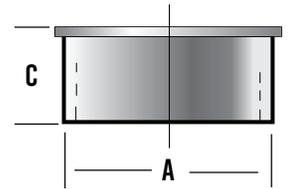
- 2-1/8" to 14" ID
- Wall Thickness: 16 gauge
- Available only in Galvanized Steel

SIZE	E (ID)	GAUGE	PART NO.
2-1/8"	2-1/8"	16	TH-212
2-1/2"	2-1/2"	16	TH-250
3"	3"	16	TH-300
3-1/2"	3-1/2"	16	TH-350
4"	4"	16	TH-400
5"	5"	16	TH-500
6"	6"	16	TH-600
8"	8"	16	TH-800
10"	10"	16	TH-1000
12"	12"	16	TH-1200
14"	14"	16	TH-1400

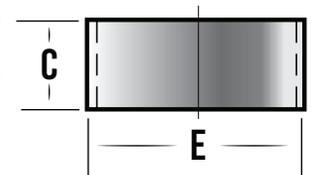
TUBE NIPPLES

- 2-1/8" to 14" OD
- Wall Thickness: 16, 14, 12 Gauge
- AVAILABLE IN 11 GAUGE

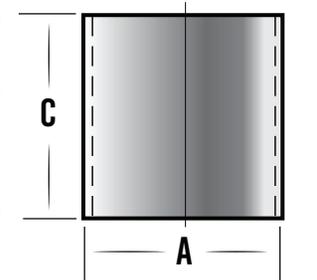
SIZE	A (OD)	GAUGE	C	PART NO.
2-1/8"	2-1/8"	16	2-1/2"	TN-211
2-1/2"	2-1/2"	16	2-1/2"	TN-261
3"	3"	16	2-1/2"	TN-311
3-1/2"	3-1/2"	16	2-1/2"	TN-361
4"	4"	16	2-1/2"	TN-411
5"	5"	14	3"	TN-511
6"	6"	14	3"	TN-611
8"	8"	14	4"	TN-811
10"	10"	12	5"	TN-1011
12"	12"	12	6"	TN-1211
14"	14"	12	7"	TN-1411



TUBE PLUG



SLIP WELD RING



TUBE NIPPLE

KEY

ID = Inside Diameter
 OD = Outside Diameter
 All reference dimensions are nominal.

**WHEN ORDERING,
 PLEASE SPECIFY
 TYPE OF MATERIAL**

- Carbon
- Stainless
- Aluminum
- Galvanized Steel

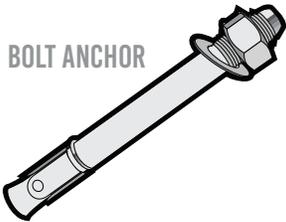
INSTALLATION COMPONENTS

C.A.D. gives you everything you need to get your system up and running, all in one complete installation package. If you're searching for a particular installation component, we'll be glad to help you find whatever you're looking for. Our "one-stop-shopping" will help you lower your inventory costs and spend less time looking for parts. And, when it's time for installation, you'll have all the components you need on-the-spot.

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
<i>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.</i>				
Hex Head Cap Screw	3/8" x 1-1/4" (Length)	Zinc	50 pc.	HCS-0381
<i>"More Length When You Need It"</i>				
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.	3/8" Tapped Hole	Malleable	each	EN-0380
<i>"Works Great With our Tube Hangers"</i>				
Coupler Nut	3/8" x 1-3/4" (Length)	Zinc	each	CN-0380
Beam Clamp with Zinc Set Screw and Lock Nut.	3/8" Tapped Hole	Malleable	each	BC-037T
Maximum Allowable Load, in top or bottom position, is 550 lbs.				
Beam Clamp with Set Screw and Lock Nut.	3/8" Tapped Hole	Malleable	each	BC-100
Maximum Allowable Load, in top position, is 500 lbs.; in bottom position, 250 lbs.				
<i>"The Cost-Effective Solution When You Don't Need Our Heavy-Duty Beam Clamp (BC-037T)"</i>				
Channel Nut, without spring	3/8"	Zinc	each	CHN-0380
Saddlenut Assembly		Zinc	50	SN-0380
<i>"Replaces Square Washer Plate and a Channel Nut Combination"</i>				
Slotted Strut, 14 Gauge	13/16"(D) x 1-5/8", 10' Length	Zinc	each	UN-100
Slotted Strut, 14 Gauge	1-5/8"(D) x 1-5/8", 10' Length	Zinc	each	UN-201
<i>"An Economical Alternative When You Don't Require Our Heavy-Duty Strut (UN-202)"</i>				
Slotted Strut, 12 Gauge	1-5/8"(D) x 1-5/8", 10' Length	Zinc	each	UN-202



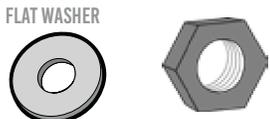
ANCHOR



BOLT ANCHOR



HEX HEAD
CAP SCREW

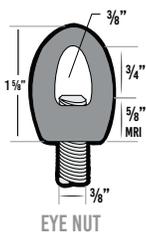


FLAT WASHER

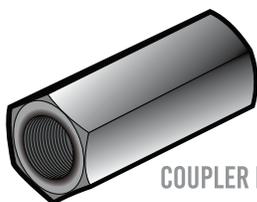
SPLIT LOCK WASHER



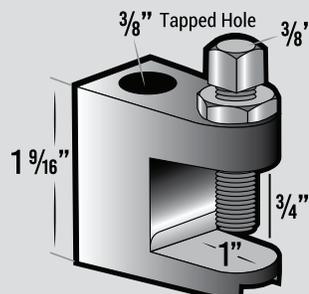
THREADED ROD



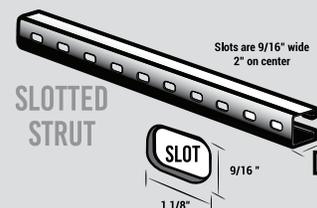
EYE NUT



COUPLER NUT



BEAM CLAMP



SLOTTED
STRUT

INSTALLATION COMPONENTS - CONT.

DESCRIPTION	SIZE	MATERIAL	PKGD.	PART NO.
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
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

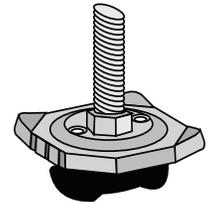
* Tube Clamp also fits this pipe size.

KEY

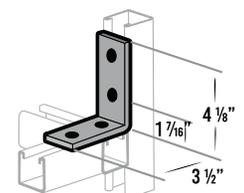
Zinc = Galvanized Carbon Steel
 OD = Outside Diameter
 All reference dimensions are nominal.



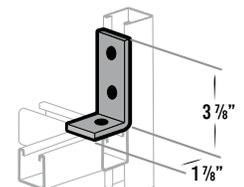
CHANNEL NUT



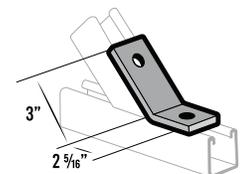
SADDLE NUT ASSEMBLY



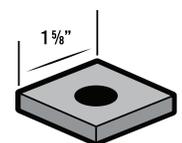
90° STRUT BRACKET
2 HOLES X 2 HOLES



90° STRUT BRACKET
2 HOLES X 1 HOLES

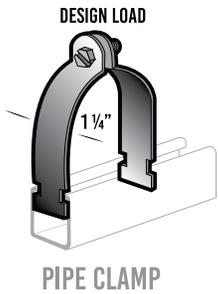


45° STRUT BRACKET
1 HOLES X 1 HOLES



SQUARE WASHER
PLATE

ACCESSORIES



INSTALLATION COMPONENTS - CONT.

DESCRIPTION	SIZE	MATERIAL	PKGD.	PART NO.
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	2 pc.	TCL-800**
** 2 piece package				
Firestop Sealant	10.5-oz. Tube	-	each	FST-100
Cleaner	Quart	-	each	2868
Metal Sealant	Quart Can	-	each	2084-QT

An aluminum-colored, medium viscosity, synthetic rubber sealant with excellent adhesion to many metal, glass, wood and other surfaces.

Features: Adheres to metal, wood and glass. Seals metal to glass in windows and doors. Resists weather, water, oil and gasoline. Solids wt. approx. 46%, Flash Point (closed cup) 0° F, heavy liquid consistency, aluminum color (dry), brush or flow application. Drying time is 24 hours (1/8" dia. bead), service temp. range of -30° to 200° F. 3M Scotch-Seal™ 2084 Metal Sealant repackaged by CAD LLC.

NOTE:

Tube Clamps are now available in 50 packs! To order, simply add -50 to the end of the Part Number!

KEY

Zinc = Galvanized Carbon Steel
OD = Outside Diameter
All reference dimensions are nominal.



Controlled Air Design, LLC
Raleigh, NC
www.controlledairdesign.com
919-607-6765