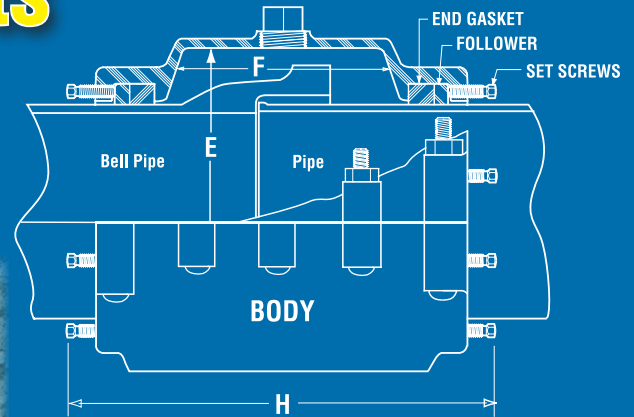


Pipe Repair Products

For Water, Wastewater
and Industrial Piping Systems



- Repair Sleeves
- Reinforcing Sleeves
- Repair Clamps
- Band Clamps
- Collar Clamps
- Bell Joint Clamps
- Custom Fabrication



Water & Industrial Pipe Repair Products

Since introducing a few bolted pipe repair products over 100 years ago, Dresser has expanded its repair product line to include clamps and weldable sleeves for the water and industrial markets. For today's pipeline integrity repairs Dresser now offers full-wrap weldable repair sleeves for mechanical coupled joints and stress crack anomalies. Using ordinary field welding procedures, Dresser weld-over sleeves offer both repair of broken or leaking joints while providing a permanent reinforcement that will last the life of the pipeline.

Dresser Gaskets

The time-proven Dresser gasket sealing principle is inherent in most Dresser repair products creating a flexible, non-rigid pipeline while absorbing stress, vibration, expansion and contraction.

AL-CLAD™ Coating Offered as Standard

Dresser AL-CLAD fusion-bonded epoxy coating is offered as standard on the most common Dresser pipe repair products in the most popular sizes featured in this catalog.*

Tough, corrosion-resistant, factory-applied Dresser AL-CLAD coating has been developed through years of exhaustive testing and field application. AL-CLAD epoxy coating is a fusion-bonded coating applied under rigidly controlled factory conditions and offers smoother flow in wetted waterways while providing protection against corrosive or aggressive conditions.

*Excludes weldable repair sleeves where Dresser Red-D Shopcoat is standard. Please consult factory for other products and sizes where AL-CLAD coating may be optional.

Customer Service: 800-458-2398

Sales Fax: 800-362-9363

email: dmdsales@dresser.com

www.dresser.com

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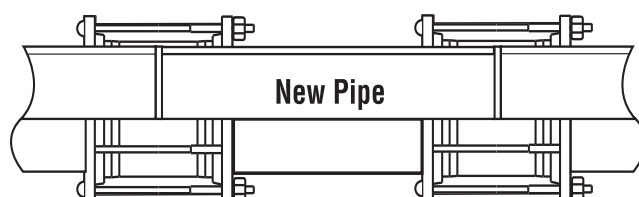
Defect/Repair Guidelines	Page 1-2
Repair Clamps	Page 3-8
Repair & Reinforcing Sleeves	Page 9-15
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Water & industrial market pipe repair products you'll find in this catalog...

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Handiband™ Clamp	118	5
360 ALL-AROUND Clamp	360	6
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Reinforcing Weld Sleeves	110/115	14
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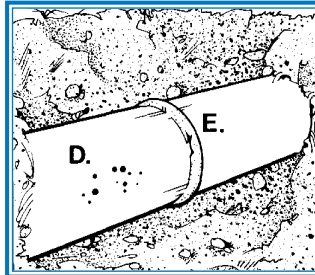
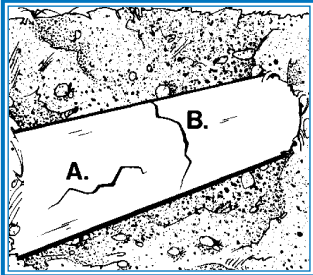
OPTIONAL REPAIR (See inside back cover)

Where applications permit, customer has the option to remove the defective length of pipe, insert new pipe and join with two Dresser Style 38 regular or Style 40 long body couplings.



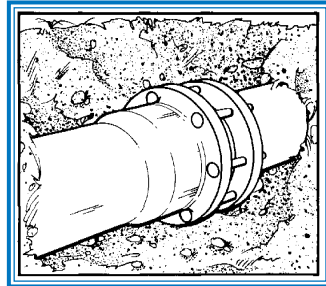
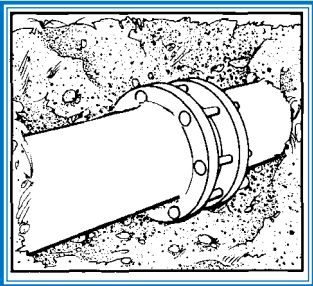
For Water & Industrial Cast Iron and Ductile Iron Pipe Repairs

Longitudinal or Circumferential Breaks (A, B);
Small Pinhole Leaks, Splits, or Corrosion Cracks (D) or Broken Welds (E)



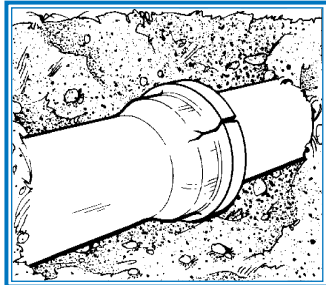
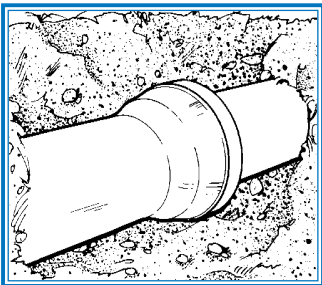
PRODUCT	SIZE	PAGE
80 Split Sleeve	3" - 8"	9
126 Split Sleeve	3" - 24"	13
360 Clamp	2" - 30"	6

Leaking Coupled or Mechanical Joints



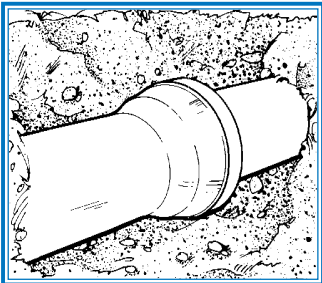
PRODUCT	SIZE	PAGE
126 Split Sleeve	3" - 24"	13

Leaking Bell & Spigot Joints and Broken or Cracked Bell Joints



PRODUCT	SIZE	PAGE
LEAK:		
60/160 Bell Clamp	3" - 48"	7
60-S Bell Clamp	4" - 36"	8
CRACKED:		
126 Split Sleeve	3" - 24"	13

Leaking or Cracked Stab-type Joints



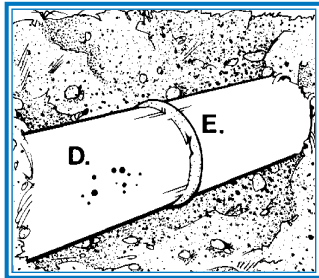
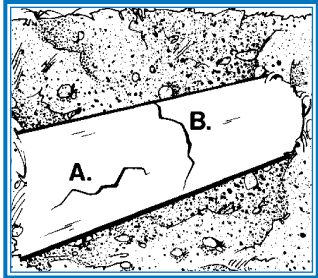
PRODUCT	SIZE	PAGE
LEAK:		
60/160 Bell Clamp	3" - 48"	7
60-S Bell Clamp	4" - 24"	8
CRACKED:		
126 Split Sleeve	3" - 24"	13

Questions?

Call Dresser Customer Service: 1-800-458-2398

For Water & Industrial Steel Pipe Repairs

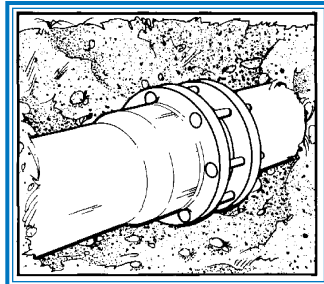
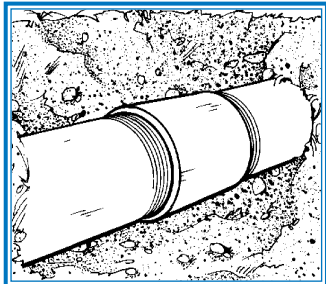
Longitudinal or Circumferential Breaks (A, B);
Small Pinhole Leaks, Splits or Corrosion Cracks (D), or Broken Welds (E)



PRODUCT	SIZE	PAGE
93 Split Sleeve	6" - 24"	10
96 Split Sleeve	6" - 30"	11
97 Split Sleeve	3" - 16"	12
110 Weld Sleeve	4" - 30"	14
220 Weld Sleeve	2" - 26"	15
77B Band Clamp	2" - 24"	4
118 Clamp*	1/2" - 8"	5
360 Clamp	2" - 30"	6

*Style 118 clamps are for longitudinal repairs and **do not** provide a 360-degree seal on the pipe.€

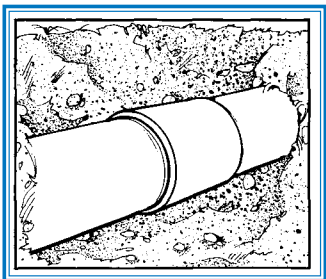
Leaking Threaded Joints or Leaking Mechanical Joints



PRODUCT	SIZE	PAGE
4 Collar Clamp	3/4" - 4"	3
41 Collar Clamp	6" - 12"	3
93 Split Sleeve	6" - 24"	10
96 Split Sleeve	6" - 30"	11
220 Weld Sleeve	6" - 26"	15

For PVC Pipe Repairs

Leaking PVC Joint Connections



PRODUCT	SIZE	PAGE
LEAK:		
4 Collar Clamp	3/4" - 4"	3
41 Collar Clamp	6" - 12"	3
BROKEN or CRACKED:		
360 Band Clamp	2" - 24"	6

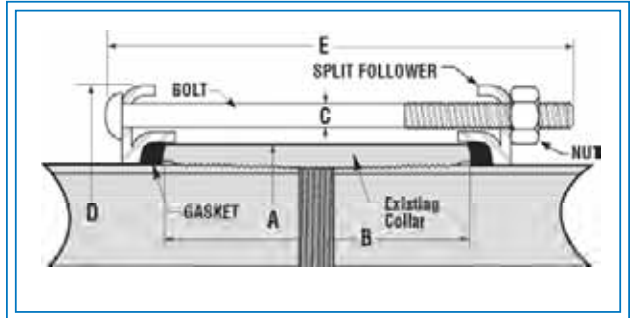
Questions?
Call Dresser Customer Service: 1-800-458-2398

Style 4 & 41 Collar Clamps



Dresser Style 4 and Style 41 Clamps quickly and inexpensively stop leaks through threaded screw collars (threaded couplings), solvent weld couplings (collars) and stab-type PVC joints. Repairs are permanent and normally made without interrupting service or dismantling the line. Style 4 clamps consists of two malleable split follower rings with interlocking ends on each section, two resilient split Dresser gaskets, and bolts as required for pipe sizes up to 4".

Style 41 consists of the same parts except the split follower rings are steel and are connected by steel lock links.



Materials of Construction

Followers: AISI C1012 or ASME SA36

Bolts & Nuts: Alloy to AWWA C 111/ANSI A21.11

Gasket: Grade 27 BUNA S

Coating: Fusion-Bonded Epoxy

Style 4 (Malleable)

Specifications for Sizes 3/4" thru 4"

Nominal Size Steel (ID)	Outside Diameter (OD)	COLLAR DIMENSIONS		BOLTS Number Diam. & Length (C & D)	CLAMP DIMENSIONS		GASKET Section Dimensions (E & F)	Approx. Shipping Weight (Lbs)
		Overall Diameter (A)	Overall Length (B)		Overall Diameter (G)	Overall Length (H)		
3/4	1.050	1.316	2.125	4- 3/8 x 5-1/4	3-13/16	5-1/2	3/16 X 5/16	3
1	1.315	1.575	2.375	4- 3/8 x 5-1/4	4-1/2	5- 1/2	3/16 X 5/16	3
1-1/4	1.660	2.054	2.875	4- 3/8 x 5-1/4	4-1/4	5-1/2	3/16 X 5/16	3
1-1/2	1.900	2.294	2.875	4- 3/8 x 5-1/4	4-7/16	5-1/2	7/32 X 5/16	3
2	2.375	2.841	3.625	4- 5/8 x 6-1/2	6-5/16	7	9/32 X 5/8	8
2-1/2	2.875	3.389	4.125	4- 5/8 x 7-1/2	7-5/16	8	11/32 X 5/8	10
3	3.500	4.014	4.125	4- 5/8 x 7-1/2	7-1/2	8	11/32 X 3/4	9
4-1/4 CAS	4.500	5.021	3.625	4- 5/8 x 6-1/2	8-1/2	7	23/64 X 3/4	11
4	4.500	5.233	4.625	4- 5/8 x 7-1/2	8-1/2	8	23/64 X 3/4	11

Style 41 (Steel)

Specifications for Sizes 6" thru 12"

Nominal Size Steel (ID)	Outside Diameter (OD)	COLLAR DIMENSIONS		BOLTS Number Diam. & Length (C & D)	CLAMP DIMENSIONS		GASKET Section Dimensions (E & F)	Approx. Shipping Weight (Lbs)
		Overall Diameter (A)	Overall Length (B)		Overall Diameter (G)	Overall Length (H)		
6	6.625	7.482	5.125	6 - 5/8 x 8-1/2	10-3/4	9-1/2	7/16 X 3/4	23
8	8.625	9.596	6.125	6 - 5/8 x 9-1/2	12-7/8	10-1/2	1/2 X 3/4	28
10	10.750	11.958	6.625	8 - 5/8 x 10	15-3/8	11	5/8 X 23/32	44
12	12.750	13.958	6.625	8 - 5/8 x 10	17-3/8	11	5/8 X 23/32	50

Style 77B Band Clamp



CONE GASKETS - Style 77B

Gasket Number	Gasket Size
216	1-5/8"
217	2"
218	2-1/2"

Materials of Construction

Band/Lugs: AISI C1008/1010
Carbon Steel

Bolt & Nut: SAE Grade 5
Carbon Steel

Gasket: Buna N Grade 30

Coating: Fusion-Bonded Epoxy

Dresser Style 77B Band Clamps are specifically designed to provide a low cost repair for small pinholes, leaks, corroded areas and pits in straight runs of steel piping. They are suitable for practically all working pressures and various line contents.

Each clamp consists of a flexible, one-piece carbon steel circular band that is sprung apart to fit over the pipe, and a high-strength carbon steel bolt and nut of sufficient diameter to provide both a safety factor and protection against corrosion. The 77B is available in standard steel pipe sizes from 2" thru 20" with 2" or 3" bands.

NOTE: Cone gaskets are NOT an integral part of the clamp and must be specified when ordering. The Style 77B repair clamp is available with three different size cone gaskets (See chart below).

Style 77B Band Clamp Specifications for Sizes 2" thru 24"

Pipe (Steel) Nominal Size (In.)	Outside Diameter (O.D.)	Band Thickness x Width	Bolt Diameter x Length	Weight Approx. Ship. Ea. (Lbs.)
2	2.375	1/16 x 2"	1/2 x 4	0.84
3	3.500	1/16 x 2"	1/2 x 4	0.96
4	4.500	1/16 x 2"	1/2 x 5-1/2	1.3
5	5.563	1/16 x 2"	1/2 x 5-1/2	1.4
6	6.625	3/32 x 3"	5/8 x 6	2.8
6-5/8 CAS	7.000	3/32 x 3"	5/8 x 6	2.9
8	8.625	3/32 x 3"	5/8 x 6	3.4
10	10.750	3/32 x 3"	5/8 x 7	4.0
12	12.750	3/32 x 3"	5/8 x 7	4.5
	14.000			6.2
	16.000			6.9
	18.000	1/8 x 3"	5/8 x 8-1/4	7.5
	20.000			8.2

Style 118 Handiband™ Clamp



For quick, permanent repair of small pinhole leaks and cracks in steel pipe

Materials of Construction

Band: Stainless Steel 18-8, Type 304

Lugs: Ductile Iron ASTM 536

Bolts & Nuts: Alloy to ANSI A21.11

Gasket: Gridded to Dresser Specs

The Dresser Style 118 Handiband™ Clamp is a field-proven, low cost band-type repair clamp for quick repair of small leaks and holes in steel piping. Installation is fast, easy and foolproof. Simply wrap the clamp around the pipe, drop the bolts through the slotted lugs and tighten the nuts. Compression of the large size gasket seals the leak completely and permanently.

The Handiband clamp is made of stainless steel for corrosion resistance. The Dresser rubber compound gasket offers superior resistance to oils, aromatic and aliphatic hydrocarbons, gasoline and condensates.

Individual components of the Style 118 clamp are carefully engineered and constructed with lugs of ductile iron and bolts plated for long-life and durability. Style 118's come fully assembled and ready to install so there are no loose parts to misplace. The 118 clamp is available for pipe sizes 1/2" through 8" in 3, 6 and 12" lengths to cover a variety of leaks.



NOTE: The Style 118 clamp does not provide a full 360-degree seal on the pipe. For full circle seal and repair applications, see the Style 360 repair clamp on page 6.

Style 118 Handiband™ Clamp Specifications for Sizes 1/2" thru 8"

Nominal Size (ID)	Outside Diameter (OD)	Overall Length (In.)	Quantity Per Package	Weight Approx. Ea. (lbs.)	Nominal Size (ID)	Outside Diameter (OD)	Overall Length (In.)	Quantity Per Package	Weight Approx. Ea. (Lbs.)
1/2	.840	3	20	.5	3	3.500	3	6	1.2
1/2	.840	6	10	1.0	3	3.500	6	4	2.4
					3	3.500	12	2	4.8
3/4	1.050	3	16	.6	3-1/2	4.000	3	6	1.5
3/4	1.050	6	8	1.1	3-1/2	4.000	6	4	3.0
1	1.315	3	16	.6	4	4.500	3	6	1.5
1	1.315	6	8	1.2	4	4.500	6	4	3.0
					4	4.500	12	2	6.3
1-1/4	1.660	3	12	.9	5	5.563	3	6	1.6
1-1/4	1.660	6	6	1.7	5	5.563	6	4	3.2
1-1/2	1.900	3	12	.9	6	6.625	3	6	1.8
1-1/2	1.900	6	6	1.8	6	6.625	6	4	3.6
					6	6.625	12	1	7.2
2	2.375	3	8	1.1	8	8.625	3	6	2.0
2	2.375	6	4	2.3	8	8.625	6	4	4.0
2	2.375	12	2	4.5	8	8.625	12	1	7.0
2-1/2	2.875	3	8	1.2					
2-1/2	2.875	6	2	2.3					

*NOTE: All orders for unpackaged sizes and for broken carton quantities will be random packaged

Style 360™ Repair Clamps



For fast repair of leaks and splits in cast/ductile and steel mains

Materials of Construction

Band: AISI Type 304 Stainless Steel

Lugs: Ductile Iron

Nuts: Dresserloy

Bolts: Dresserloy

Spanner: AISI Type 304 Stainless Steel

Gasket: Gridded Surface to Dresser Spec

The **Dresser Style 360 Repair Clamp** offers simplicity and ease of installation. Just wrap the clamp around the pipe, drop the bolts in place and tighten. It's that simple! Moreover, special one-inch long nuts allow the use of a standard deep socket wrench for complete tightening. In the smaller 7.5" band width, a third bolt is included so the middle bolt and nut can be used to pre-tighten the clamp. Additionally, the smaller sized clamps feature a flexible band which means less holding force is required while tightening.

With the "360" clamp you can repair holes, breaks and splits in a variety of water pipelines. You can use it where pipe ends are separated, or where ends are deflected up to 4 degrees or 1/8 inch, or you can join two pipes with a variation of 1/4 inch outside diameter. Clamp features include a tapered gasket with a gridded design and the spanner is molded flush with the gasket to prevent "hang up." The "360" has a stainless band, lugs of rugged ductile iron and bolts of corrosion-resistant Dresserloy.

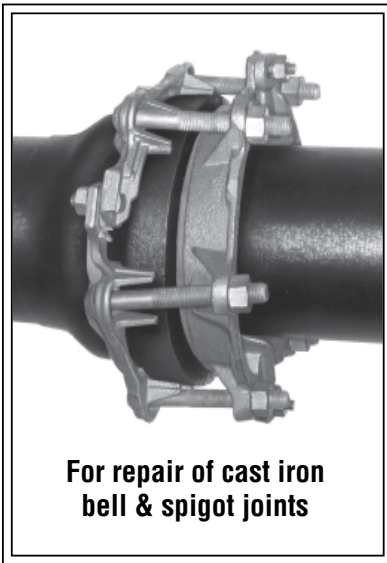
Style 360 Clamp Features:

- **One-Inch Long Nuts** allow tightening with standard deep socket wrench.
- **Drop-In Bolts** - No need to remove bolts in the ditch. No loose parts to lose or misplace.
- **Multi-Band Clamp** - Features a multi-band design in the 14" through 30" sizes. Clamp is packaged and shipped "in the flat" meaning the bands are not formed to the radius of the pipe. Reduces storage space and installation time, and has twice the adjustment range of the single-band clamp.
- **Stainless Steel Bolts and Nuts** available upon request.

Style 360™ All-Around Repair Clamp Specifications for Sizes 2" thru 30"

Nom. Size (In.)	Range of Fit (OD)	Clamp Widths (In)	Max. PSI	Nom. Size (In.)	Range of Fit (OD)	Clamp Widths (In)	Max. PSI
2	2.35 - 2.63 2.70 - 3.00	7.5 or 12.5 0.024" Thick Band	250	10	11.04 - 11.44 11.34 - 11.74 11.75 - 12.10 12.00 - 12.45	7.5, 12.5, 20 or 30 0.036" Thick Band	90
3	2.97 - 3.25 3.46 - 3.70 3.73 - 4.00 3.96 - 4.25	7.5 or 12.5 7.5, 12.5 or 20 0.024" Thick Band	250 220	12	12.62 - 13.02 13.10 - 13.50 13.40 - 13.80 13.70 - 14.10 14.00 - 14.40	7.5, 12.5, 20 or 30 0.036" Thick Band	90
4	4.45 - 4.86 4.74 - 5.14 4.95 - 5.35	7.5, 12.5 or 20 7.5, 12.5, 20 or 30 0.024" Thick Band	170	2-Band Sizes	14.38 - 15.13 15.07 - 15.82 15.92 - 16.67 16.56 - 17.31 17.15 - 17.90 17.82 - 18.57 18.46 - 19.21 19.23 - 19.98 19.90 - 20.65 20.70 - 21.45 21.52 - 22.27 22.12 - 22.87 22.90 - 23.65	20 & 30 0.048" Thick Band	130
4-5	5.22 - 5.62	7.5, 12.5, 20 or 30 0.036" Thick Band	200				110
6	5.95 - 6.35 6.56 - 6.96 6.84 - 7.24 7.05 - 7.45 7.45 - 7.85	7.5, 12.5, 20 or 30 0.036" Thick Band	200				85
8	7.95 - 8.35 8.54 - 8.94 8.99 - 9.39 9.27 - 9.67	7.5, 12.5, 20 or 30 0.036" Thick Band	160				60
8-10	9.70 - 10.10	7.5, 12.5, 20 or 30	120	3-Band Sizes	23.28 - 24.38 THRU 29.62 - 30.72	20 & 30 0.048" Thick Band	45
10	10.64 - 11.04	7.5, 12.5, 20 or 30 0.036" Thick Band	90				

Style 60 & 160 Bell Joint Clamps



For repair of cast iron bell & spigot joints

Materials of Construction

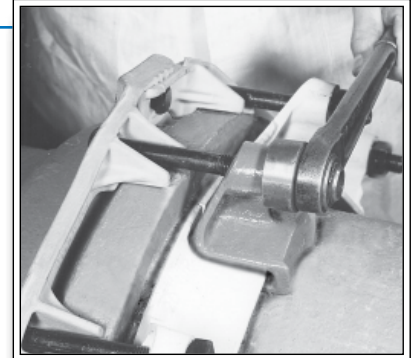
- Rings:** Cast Ductile Iron to ASTM A536
- Bolts & Nuts:** Dresserloy Carbon Steel
- Spigot Ring:** ASTM A-307
- Clips:** Ductile or Malleable Iron
- Gasket:** Grade 27 Buna S
- Coating:** Fusion-Bonded Epoxy

Dresser Style 60 and 160 Bell Joint Clamps permanently stop or prevent leaks through the jointing materials of cast iron bell-and-spigot joints. Completely adjustable to provide a close fit on both the pipe bell and spigot, one standard clamp fits virtually all the various makes of pipe within a nominal size.

Style 60 and 160 clamps can be quickly installed with no interruption of service. A large, special rubber compound gasket shuts off the leak when compressed as the spigot ring is drawn up and, in turn, by bolts connected to the bell ring (anchored on the bell).

Style 60 Clamps

The spigot ring of the Style 60 offers a wide range of adjustment made possible by the use of clips having fillers with the same cross section of the spigot ring. Serrated ends on the bell ring sections offer a simple and effective means of adjustment, providing a positive fit for varying outside bell diameters.



Style 160 Clamps

The Style 160 clamp features a wrap around design of the spigot ring that hinge together. There are no clips and the spigot sections have serrated ends that bolt together. Style 160 design is available in 4, 6, 8, 12 and 16" sizes.

Gasket Tong

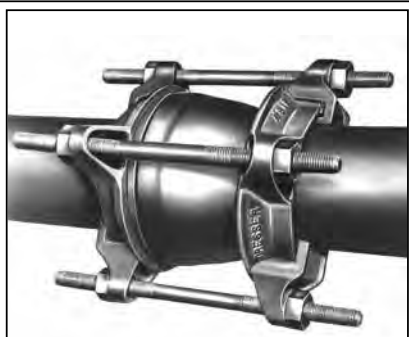
Dresser gasket tongs help simplify the installation of bell joint clamps. The tongs hold the gasket in place while the clamp is being bolted-up—assuring full, uniform gasket compression. Consult factory for product details.

Style 60/160 Clamps for Cast Iron Pipe

Specifications for Sizes 3" thru 16"				Specifications for Sizes 18" thru 48"			
CIP Nom. Size (In.)	GASKETS Thickness x Length	BOLTS Number Diam. x Length	WEIGHT App. Ship. (Lbs.)	CIP Nom. Size (In.)	GASKETS Thickness x Length	BOLTS Number Diam. x Length	WEIGHT App. Ship. (Lbs.)
3	1-1/8 x 1	4 – 5/8 x 5	13	18	1-1/8 x 1	12 – 5/8 x 6-1/2	73
4*	1-1/8 x 1	4 – 5/8 x 5	15	20	1-1/8 x 1	12 – 5/8 x 6-1/2	74
6*	1-1/8 x 1	6 – 5/8 x 5-1/2	21	24	1-1/8 x 1	12 – 5/8 x 7	86
8*	1-1/8 x 1	6 – 5/8 x 5-1/2	24	30	1-1/8 x 1	16 – 5/8 x 7	113
10	1-1/8 x 1	8 – 5/8 x 5-1/2	35	36	1-1/8 x 1	20 – 5/8 x 7	148
12*	1-1/8 x 1	9 – 5/8 x 5-1/2	38	42	1-1/8 x 1	24 – 5/8 x 7-1/2	199
14	1-1/8 x 1	9 – 5/8 x 6	46	48	1-1/8 x 1	24 – 5/8 x 7-1/2	227
16*	1-1/8 x 1	9 – 5/8 x 6	50	-	-	-	-

*NOTE: Style 160 Clamps may be furnished in these sizes

Style 60-S Bell Joint Clamps



For repair of stab-type bell joints

Materials of Construction

Rings: Cast Ductile Iron to ASTM A536

Studs & Nuts: Dresserloy Carbon Steel

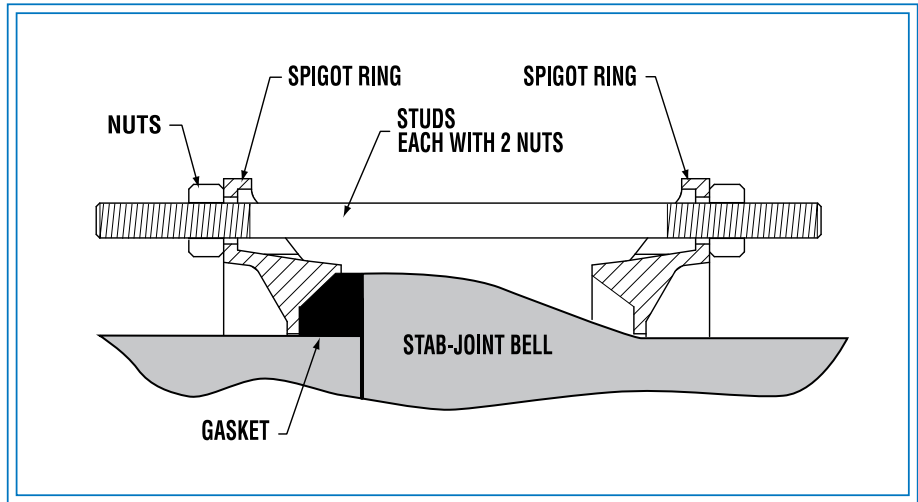
Spigot Ring: ASTM A-307

Gaskets: Grade 27 Buna S

Coating: Fusion-Bonded Epoxy

Style 60-S Bell Joint Clamps are similar to the standard Dresser Style 60 clamp, but consists of two spigot rings rather than one spigot and one bell ring. This difference in design is necessary since most stab-type joints, including cast-iron pipe, have a long, tapered bell which has no shoulder for anchoring a bell ring.

Long studs are provided for adjustability to provide a close fit on both pipe bell and spigot ends. A large, special rubber compound gasket shuts off the leak when compressed as the spigot rings are drawn up and the studs are tightened against the bell. Style 60-S clamps can be quickly installed with no interruption of service.



Style 60-S Clamp for Stab-type Pipe Joints

Specifications for Sizes 4" thru 36"

CIP Nom. Size (In.)	Spigot Ring Number (2 per clamp)	STUDS Number Diam. x Length	Weight App. Ship. (Lbs.)
4	160A0480	4 - 5/8" x 13	18
6	160A0690	6 - 5/8" x 13	27
8	160A0905	6 - 5/8" x 13	33
10	60B1110	8 - 5/8" x 13	43
12	160A1320	8 - 5/8" x 13	48
14	60A1530	9 - 5/8" x 13	71
16	60B1740	9 - 5/8" x 16	74
18	60A1950	12 - 5/8" x 16	91
20	60A2160	12 - 5/8" x 16	100
24	60D2580	12 - 5/8" x 16	115
30	60A3174	16 - 5/8" x 16	171
36	60B3830	20 - 5/8" x 16	247

NOTE: Style 60-S Clamps can be used on caulked cast iron pipe joints for Class A, B, C and D and C900 pipe sizes through 24"; Same pipe for Class A, B & C in sizes 30" and 36".

Style 80 Repair Sleeve

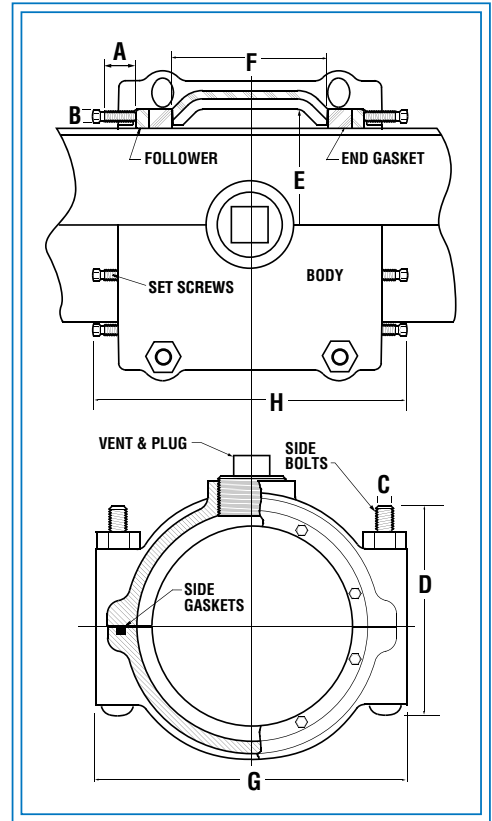


For repairs on Cast Iron Pipe

Dresser Style 80 “Ready-Pack” Split Sleeves are used to enclose and permanently repair breaks, splits and holes in cast iron pipe. Style 80 sleeves can also be used as an efficient, low-cost tapping sleeve for connecting new branch service outlets.

Style 80 sleeve bodies are cast from close-grained gray iron (malleable iron in 2” size). Steel follower rings on each end are completely enclosed in the sleeve body. When carbon steel set screws are tightened, they’re drawn up against the follower rings which compresses the gasket creating total circumferential sealing on the pipe. Side bolts, which are fully enclosed within the sleeve body to prevent corrosion, are tightened to compress side gaskets providing a complete leakproof pipe repair.

Style 80 sleeves are also available in a long pattern design for a larger sealing area. Style 80 repair sleeves are recommended for all customary pressures where pipe wall thickness is in conformity with specifications for standard cast iron pipe.



Materials of Construction

Body: Cast or Malleable Iron

Vent Plug: Forged steel to ASTM A105 or Cast to ASTM A126-42 Class A

Follower Rings: Cold-formed Carbon Steel

Bolts & Nuts: Alloy to AWWA C111/ANSI A21.11

Gaskets: Dresser Spec 328 Kevlar™ Reinforced Rubber

Set Screws: Heat treated carbon steel, cadmium plated

Coating: Dresser shopcoat as standard; Fusion-bonded Epoxy optional

Style 80 Ready-Pack Repair Sleeve

Specifications for Sizes 3” thru 8” (Regular Pattern Body for 3, 4 and 6” sizes)

CIP Nominal Size (In)	Range of Fit Outside Diameter (OD)	End Screws Number Diam. x Length A & B	Side Bolts Number Diam. x Length C & D	End Gaskets Section Dimensions	Side Gaskets Section Dimensions	Inside Dimensions ¹		Overall Dimensions		Vent Size Diam. (In.)	Weight Ship. Each (Lbs.)
						Diam. (E)	Length (F)	Diam. (G)	Length (H)		
3	3.75 - 4.00	12 - 3/8 x 1	4 - 5/8 x 5-1/2	5/8 x 3/4	5/16 x 1/2	5-5/32	4	7-15/16	9-3/8	3/4 thru 2.5	40
4* (4" Long)	4.74 - 4.99	12 - 3/8 x 1	4 - 5/8 x 5-1/2 2 - 5/8 x 5-1/2	5/8 x 3/4	5/16 x 1/2	6-5/32	4	8-15/16	9-3/8 12-1/2	3/4 thru 3	45 52
6* (6" Long)	6.84 - 7.09	16 - 3/8 x 1	4 - 5/8 x 6-1/2 2 - 5/8 x 5-1/2	5/8 x 3/4	5/16 x 1/2	8-1/4	4	11-1/16	9-5/16 12-1/2	3/4 thru 3	60 74
8** LONG	8.99 - 9.24	20 - 3/8 x 1	4 - 5/8 x 7-1/2 2 - 5/8 x 5-1/2	5/8 x 13/16	5/16 x 1/2	10-13/32	7	14-3/8	12-1/2	3/4 thru 4	100

¹ - Inside Dimension “F” as indicated in cross section drawing above, is distance between inside of end gaskets. This length is equal to or greater than found between caulking spaces in foundry splits. (RE: As shown in AGA Standards Specifications for Service Sleeves).

***Sizes 4” and 6” Sleeves** are available in both regular and long pattern body design. Consult factory for all long pattern size specification details.

****Size 8” Sleeve** is available in long pattern design only, with six side bolts and vent sizes up to 4”.

Style 93 Split Repair Sleeve



For high pressure repairs
on steel pipe

Materials of Construction

Body Halves: Weldable steel suitable for the particular application to ASTM A36 or equivalent.

Follower Ring: Carbon Steel AISI C1015

Cap Screws: Heat-treated Carbon Steel C1038 cadmium-plated.

Bolts: Meet ASTM A193 Grade B7 and the strength requirements of the application.

Gaskets: Grade 29 - Spec 328 Kevlar™ Reinforced Rubber

Coating: Fusion-bonded Epoxy

Temperature Rating: -20° to 150°F

Dresser Style 93 Split Repair Sleeves are especially designed for high pressure steel transmission piping and make quick, permanent repairs without service interruptions. Style 93 sleeves are fabricated from high quality carbon steel or manufactured from cast steel and come completely factory-assembled for quick installation. Sleeves are also vented for installation under pressure.

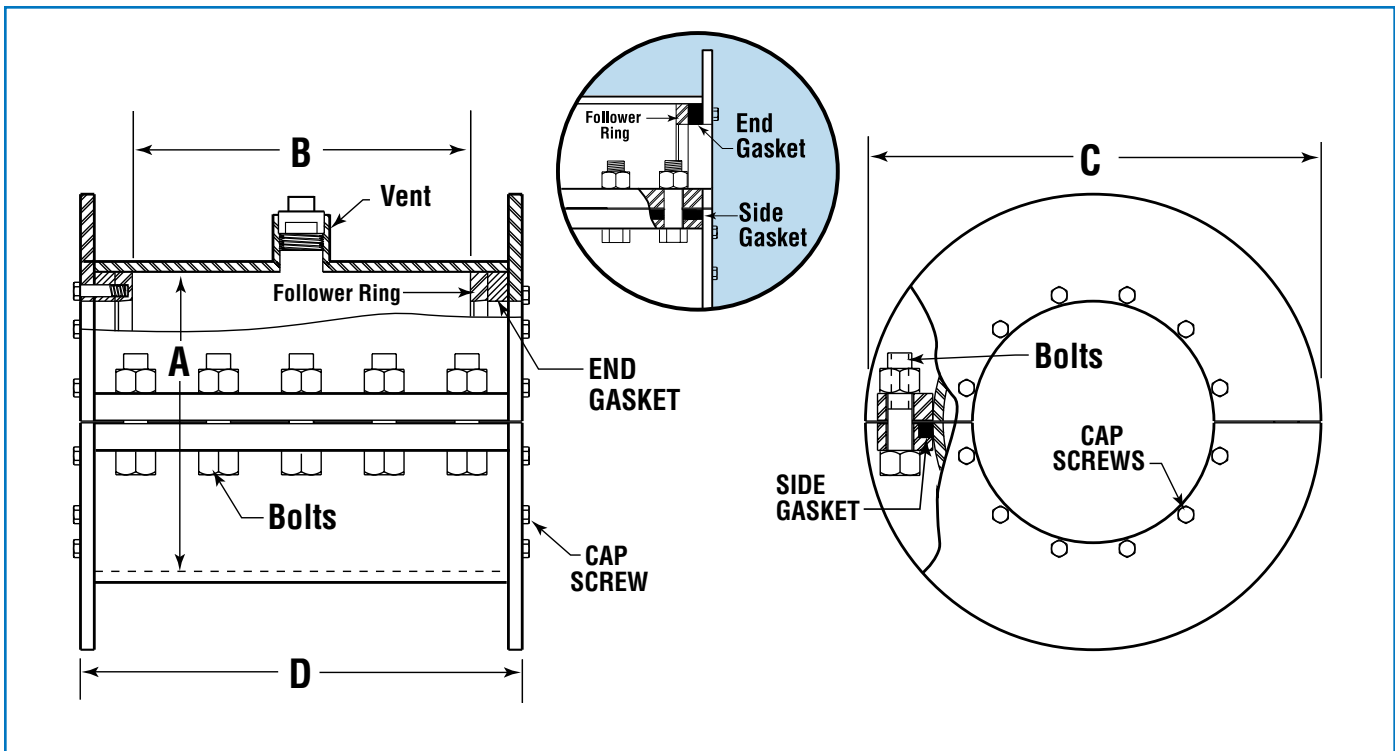
- Designed to completely enclose and permanently repair pit holes or splits in up to 8" in length on steel pipe; or encase defective screw collars and butt-welded joints
- Cap screw design provides added circumferential sealing capability around the pipe.

Style 93 Split Repair Sleeve

Specifications for Steel Pipe Sizes 6" thru 24" (Rated to 500 PSI)

Steel Pipe Nom. Size (In.)	Outside Diam. (OD)	Inside Dim.		Overall Dim.		Vent Diameter (In.)
		Diam. (A)	Length (B)	Diam. (C)	Length (D)	
6	6.625	8-7/8	8	14-1/2	12-3/8	1-1/4
8	8.625	10-7/8	8	16-1/2	12-3/8	1-1/4
10	10.750	13	8	18-3/4	12-3/8	2
12	12.750	15	8-1/4	21-3/8	13-3/4	2
14	14	16-1/4	8-1/4	22-3/4	13-3/4	3
16	16	18-1/4	8-1/4	25-1/8	13-3/4	3
18	18	20-1/4	8-1/4	27-1/8	13-3/4	3
20	20	24-1/4	8-1/4	25-5/8	14	3
22	22	24-1/4	8-1/4	30-5/8	14	3
24	24	26-1/4	8-1/4	33-1/8	14	3

NOTE: Dresser will custom fabricate larger diameters upon request. Higher pressure ratings, longer sleeve lengths and/or metric sizes can be furnished per order. Please consult customer service with your particular individual application requirements.



Style 96 Split Repair Sleeve



Expanded body split sleeve for repairs on steel pipe

Materials of Construction

Body Halves: Weldable steel suitable for the particular application to ASTM A36 or equivalent.

Follower Ring: Carbon Steel AISI C1015

Cap Screws: Heat-treated Carbon Steel C1038 cadmium-plated.

Bolts: Meet ASTM A193 Grade B7 and the strength requirements of the application.

Gaskets: Grade 29 - Spec 328 Kevlar™ Reinforced Rubber

Coating: Fusion-bonded Epoxy

Temperature Rating: -20° to 150°F

Dresser Style 96 Split Repair Sleeves offer an expanded body for repair of coupled or mechanical joints on high pressure steel transmission piping systems. Style 96 sleeves are fabricated from high quality carbon steel, or manufactured from cast steel, and come completely factory-assembled for quick installation. Sleeves are also vented for installation under pressure.

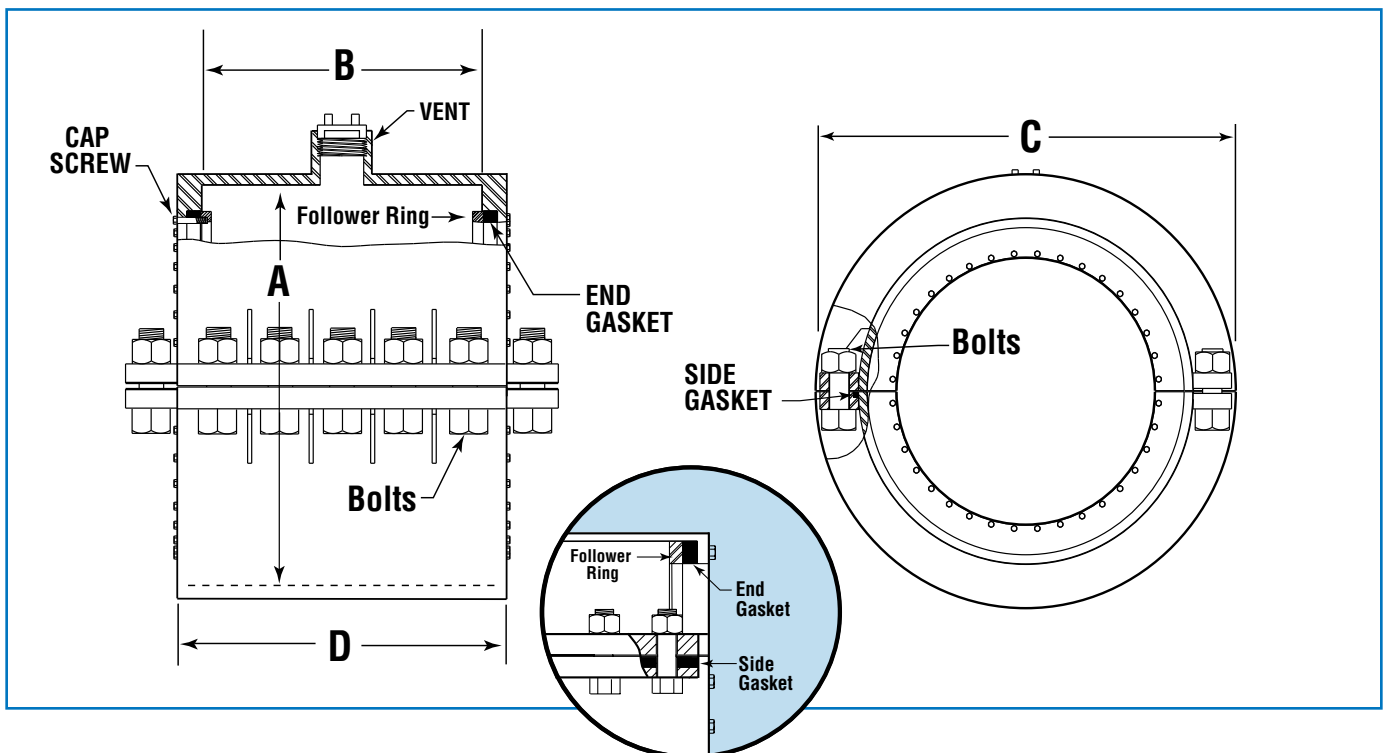
- Designed to completely enclose and permanently repair leaking coupled joints or encase defective screw collars or butt-welded joints.
- End cap screws with encased follower ring design provides additional circumferential sealing around the pipe.

Style 96 Repair Sleeve

Specifications for Steel Pipe Sizes 6" thru 30" (Rated to 500 PSI)

Steel Pipe Nom. Size (In.)	Outside Diam. (OD)	Inside Dim.		Overall Dim.		Vent Diameter (In.)
		Diam. (A)	Length (B)	Diam. (C)	Length (D)	
6	6.625	12-5/8	14	17-7/8	18-3/8	2
8	8.625	14-5/8	14	19-7/8	18-3/8	2
10	10.750	16-3/4	14-1/4	22	18-7/8	3
12	12.750	18-3/4	14-1/4	24-1/4	20-3/4	3
14	14	20	14-1/4	25-1/2	20-3/4	3
16	16	20	14-1/4	27-1/2	20-3/4	4
18	18	20	14-1/4	29-1/2	20-3/4	4
20	20	26	14-1/4	32-1/4	20-3/4	4
22	22	28	14-1/4	34-1/4	20-3/4	4
24	24	30	16	36-1/8	22-1/2	4
26	26	32	17-1/4	38-1/2	21-3/4	4
28	28	34	17-1/4	40-1/2	21-3/4	4
30	30	36	17-1/4	42-5/8	21-3/4	4

NOTE: Larger sizes, metric sizes and higher pressures are available on request. Please consult factory with your particular application requirements.



Style 97 Split Repair Sleeve



Materials of Construction

Body: Carbon Steel to ASTM A515/516;
Cast to ASTM 216

Studs: Carbon Steel to ASTM A193
Gr B7

Hex Nuts: Carbon Steel to ASTM A194
Gr 2H

Seal Retainer: Stainless Steel

Gasket Seals: Grade 29 - Spec 328
Kevlar™ Reinforced Rubber

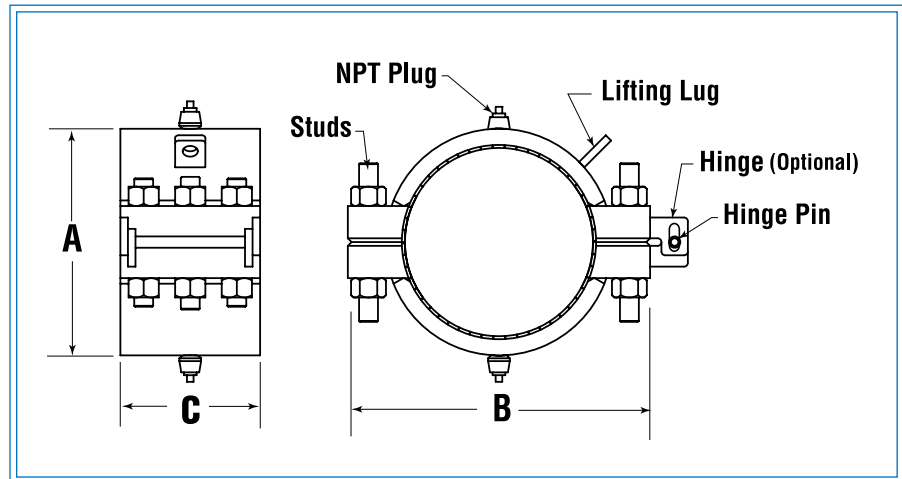
Hinge Bracket: AISI 1010 Steel

Hinge Pin: AISI 1018 Steel

NPT Plugs: Carbon Steel

The **Dresser Style 97 Split Repair Sleeve** is designed for fast, simple repair of pit holes, cracks or splits in high pressure steel pipelines up to 16" in diameter. Costing less than heavier sleeves now on the market, the Style 97 is also weldable offering your choice of a temporary or permanent repair. Stainless steel retainer rings and the lock-in gasket design ensures pressure-tight closure on the pipe with seal lengths of 5-inches for 3"-12" pipe, and 8-inch in the 16" size. For ease of installation, a hinge and pin assembly and lifting lugs are standard on all clamps 6" and above. All clamps feature a 1/2" NPT relief plug.

Style 97 sleeves come completely factory-assembled for quick installation. Fabricated from high quality carbon steel or manufactured from cast steel, all Style 97 repair sleeves are factory-tested to 1.5 times rated pressure.



Style 97 Repair Sleeve Specifications for Sizes 3" thru 16"

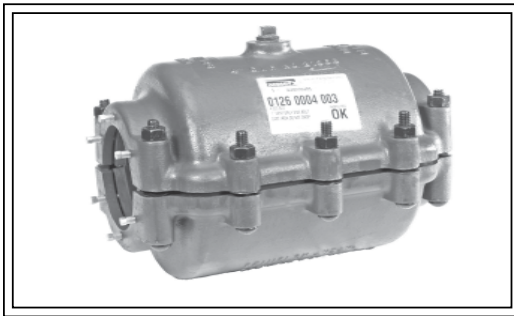
Nominal Size (In.)	Overall Diameter (A) (In.)	Overall Width (B) (In.)	NPT Plugs (In.)	Overall Length (C) (In.)	Seal Length (In.)	Approx. Weight Per Sleeve (Lbs.)
3	5.5	8.3	1/2	8.5	5	42
4	6.3	10.5	1/2	8.5	5	65
6	8.6	12.6	1/2	9	5	85
8	10.5	15	1/2	9	5	132
10	12.7	17.5	1/2	9	5	156
12	15	19.2	1/2	9	5	174
16	18.3	24.6	1/2	12	8	360

NOTE: Larger diameters, metric sizes and longer seal lengths are available on request. Please consult factory with your particular application requirements.

<p>Style 97 Pressure Ratings*</p> <p>Size 3"-16" Up to ANSI 600 - 1440 psi</p>
<p>Temperature Ratings</p> <p>-20° to +120°F</p>

*NOTE: All Dresser Style 97 sleeves are factory-tested to 1.5 times the pressure rating.

Style 126 Repair Sleeve



Materials of Construction

Body: Cast or Malleable Iron

Vent Plug: Forged steel to ASTM A105 or Cast to ASTM A126-42 Class A

Followers: Cold-formed carbon steel

Bolts: Alloy to AWWA C111/ANSI A21.11

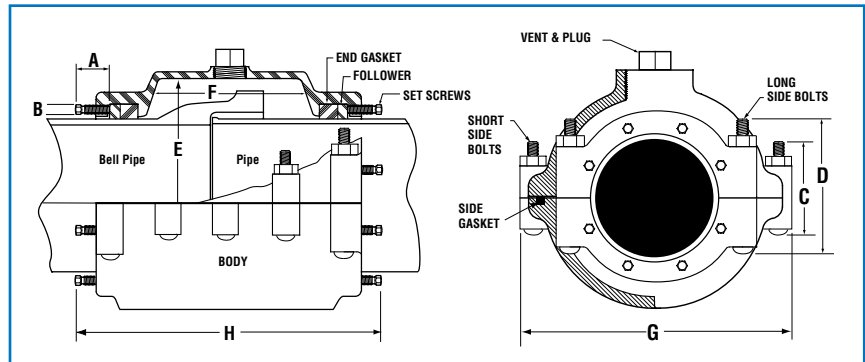
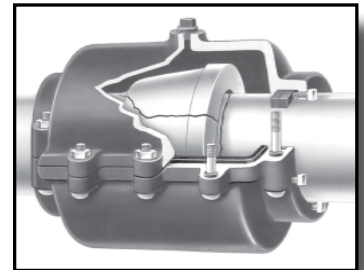
Gaskets: Grade 29 - Spec 328 Kevlar™ Reinforced Rubber

Set Screws: Carbon steel, cadmium plated

Coating: Dresser shopcoat standard; Fusion-bonded Epoxy optional

For repairing cast iron bell and spigot joints, **Dresser Style 126 Bell-Pack™ Repair Sleeves** help avoid pipeline shutdowns offering a fast, economical and permanent repair. A sleeve of lighter weight and compact design, the Style 126 provides maximum inside dimension clearance for repairing split or broken cast iron bells and leaking mechanical or coupled joints.

Built to rigid Dresser specifications, Style 126 repair sleeves provide the time-proven features of the Dresser rubber-packed gasket sealing design. Side bolts, which are fully enclosed within the sleeve body to prevent corrosion, are tightened to compress side gaskets providing a complete, permanent leakproof seal. Carbon steel set screws are tightened against the enclosed follower ring, which compresses the end gaskets creating total circumferential sealing on the pipe.



Style 126 Repair Sleeve Specifications for Sizes 3" thru 24"

(CIP) Nominal Size (In)	Pipe Class AWWA	Outside Diameter (OD)	End Screws ¹ Number Diam. x Length A & B	Short Side Bolts Number ² Diam. x Length C	Long Side Bolts Number Diam. x Length D	Inside Dimensions		Overall Dimensions		Vent ³ Size Diam.	Weight Shipping Each (Lbs.)
						Diam. (E)	Length (F)	Diam. (G)	Length (H)		
3	A	3.800	12—3/8 x 1	6—5/8 x 4	4—5/8 x 5-1/2	8-1/2	12	13	19-1/16	1	123
3	B, C, D	3.960	12—3/8 x 1	6—5/8 x 4	4—5/8 x 5-1/2	8-1/2	12	13	19-1/16	1	123
4	A	4.800	12—3/8 x 1	6—5/8 x 4	4—5/8 x 6	10	12	14-1/2	19-1/16	1	136
4	B, C, D	5.000	12—3/8 x 1	6—5/8 x 4	4—5/8 x 6	10	12	14-1/2	19-1/16	1	136
6	A	6.900	16—3/8 x 1	6—5/8 x 5	4—5/8 x 7	12-1/2	12	17-1/8	19-1/16	1	185
6	B, C, D	7.100	16—3/8 x 1	6—5/8 x 7	4—5/8 x 7	12-1/2	12	17-1/8	19-1/16	1	185
8	A, B	9.050	20—3/8 x 1-1/4	6—5/8 x 5	4—5/8 x 7-1/2	15-1/2	12-3/8	20-1/4	19-13/16	1	265
8	C, D	9.300	20—3/8 x 1-1/4	6—5/8 x 5	4—5/8 x 7-1/2	15-1/2	12-3/8	20-1/4	19-13/16	1	265
10	A, B	11.100	24—7/16 x 2-1/4	12—3/4 x 4	-	16-5/8	13-1/2	22-3/8	18-5/8	1	300
10	C, D	11.400	24—7/16 x 2-1/4	12—3/4 x 4	-	16-5/8	13-1/2	22-3/8	18-5/8	1	300
12	A, B	13.200	28—7/16 x 2-1/4	12—7/8 x 4	-	18-3/4	13-1/2	24-1/2	18-5/8	1	335
12	C, D	13.500	28—7/16 x 2-1/4	12—7/8 x 4	-	18-3/4	13-1/2	24-1/2	18-5/8	1	335
16	A, B	17.400	32—7/16 x 2-1/4	14—7/8 x 4	-	24	16	30	21-1/8	2	554
16	C, D	17.800	32—7/16 x 2-1/4	14—7/8 x 4	-	24	16	30	21-1/8	2	554
20	A, B	21.600	40—7/16 x 2-1/4	14—1 x 4	-	30	17	36	22-1/8	3	770
20	C, D	22.060	40—7/16 x 2-1/4	14—1 x 4	-	30	17	36	22-1/8	3	770
24	A, B	25.800	48—7/16 x 2-1/4	14—1 x 4	-	33-7/8	18	39-7/8	23-1/8	3	853
24	C, D	26.320	48—7/16 x 2-1/4	14—1 x 4	-	33-7/8	18	39-7/8	23-1/8	3	853

1 - End Screws are cadmium-plated high-grade steel, and have square heads, 3/8" across flats.

2 - Side Bolts are cadmium-plated high-grade steel with track heads and rolled threads through 8" size. Larger sizes are supplied with galvanized machine bolts.

3 - Vent supplied with iron pipe threads or corporation threads, if specified.

Style 110 Reinforcing Sleeve

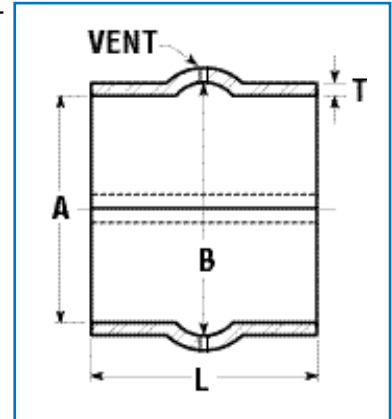


**Split reinforcing sleeve
for reinforcement of
welded joints**

Pipeline engineers assure the safety of field joints by installing **Dresser Style 110 Reinforcing Sleeves** on welded joints where special precautions are required. Style 110 sleeves can be used on defective 'trouble spots' on piping systems at highway, river and railroad crossings, at overbends and tie-ins, in marshy ground, near buildings and other places where special precautions are necessary.

The Style 110 sleeve lends itself to field welding without preheating, using ordinary field welding procedures. All sleeves are factory prepared with standard welding bevel, machine flame cut for uniformity and ease of welding, and come with a drilled vent hole to preclude pressure build up between sleeve and pipe.

Built to rigid Dresser specifications, Style 110 sleeves has a minimum yield strength of 50,000 psi and an ultimate strength of 70,000 psi. Style 110 sleeves are supplied in all sizes, lengths and thicknesses as shown in charts. Larger sizes and lengths available upon request.



Style 110* Reinforcing Sleeve

Specifications for Nominal Sizes 4" thru 30" from 6 to 24" Lengths (With vent)

Nom. Pipe Size (In.)	Inside Diam. "A" & Pipe (OD)	Diam. "B" (In.)	Length "L" (In.)	Thick-ness "T" (In.)	Apprx. Ship Wt. (lbs.)
4	4-1/2	5-3/8	4	5/16	5-1/2
6	6-5/8	7-1/2	6	3/8	16-1/2
8	8-5/8	9-1/2	6	3/8	19
8	8-5/8	9-1/2	8	3/8	27
8	8-5/8	9-1/2	6	1/2	26
8	8-5/8	9-1/2	8	1/2	35
10	10-3/4	11-5/8	6	3/8	23
10	10-3/4	11-5/8	10	3/8	38
10	10-3/4	11-5/8	6	1/2	31
10	10-3/4	11-5/8	10	1/2	50
12	12-3/4	14-1/4	6	3/8	27
12	12-3/4	14-1/4	9	3/8	40-1/2
12	12-3/4	14-1/4	12	3/8	56
12	12-3/4	14-1/4	6	1/2	36
12	12-3/4	14-1/4	9	1/2	55
12	12-3/4	14-1/4	12	1/2	74
14	14	15-1/2	6	3/8	30
14	14	15-1/2	9	3/8	45
14	14	15-1/2	14	3/8	70
14	14	15-1/2	6	1/2	40
14	14	15-1/2	9	1/2	60
14	14	15-1/2	14	1/2	94
16	16	17-1/2	6	3/8	35
16	16	17-1/2	19	3/8	52
16	16	17-1/2	12	3/8	68
16	16	17-1/2	16	3/8	90
16	16	17-1/2	6	1/2	46
16	16	17-1/2	9	1/2	70
16	16	17-1/2	12	1/2	90
16	16	17-1/2	16	1/2	120
18	18	19-1/2	6	3/8	39
18	18	19-1/2	9	3/8	58
18	18	19-1/2	12	3/8	77
18	18	19-1/2	18	3/8	114
18	18	19-1/2	6	1/2	51
18	18	19-1/2	9	1/2	78
18	18	19-1/2	12	1/2	101
18	18	19-1/2	18	1/2	152
20	20	21-1/2	6	3/8	43
20	20	21-1/2	9	3/8	64
20	20	21-1/2	12	3/8	84
20	20	21-1/2	20	3/8	139
20	20	21-1/2	6	1/2	58

Nom. Pipe Size (In.)	Inside Diam. "A" & Pipe (OD)	Diam. "B" (In.)	Length "L" (In.)	Thick-ness "T" (In.)	Apprx. Ship Wt. (lbs.)
20	20	21-1/2	9	1/2	86
20	20	21-1/2	12	1/2	112
20	20	21-1/2	21	1/2	186
22	22	23-1/2	6	3/8	47
22	22	23-1/3	9	3/8	70
22	22	23-1/3	12	3/8	92
22	22	23-1/3	22	3/8	166
22	22	23-1/3	6	1/2	64
22	22	23-1/3	9	1/2	94
22	22	23-1/3	12	1/2	123
22	22	23-1/3	22	1/2	230
24	24	25-1/2	6	3/8	51
24	24	25-1/2	9	3/8	76
24	24	25-1/2	12	3/8	100
24	24	25-1/2	16	3/8	133
24	24	25-1/2	24	3/8	198
24	24	25-1/2	6	1/2	69
24	24	25-1/2	9	1/2	101
24	24	25-1/2	12	1/2	133
24	24	25-1/2	16	1/2	177
24	24	25-1/2	24	1/2	265
26	26	27-1/2	6	3/8	56
26	26	27-1/2	9	3/8	82
26	26	27-1/2	12	3/8	109
26	26	27-1/2	16	3/8	143
26	26	27-1/2	26	3/8	232
26	26	27-1/2	6	1/2	75
26	26	27-1/2	9	1/2	110
26	26	27-1/2	12	1/2	144
26	26	27-1/2	16	1/2	190
26	26	27-1/2	26	1/2	310
30	30	31-1/2	6	3/8	64
30	30	31-1/2	9	3/8	95
30	30	31-1/2	12	3/8	125
30	30	31-1/2	16	3/8	164
30	30	31-1/2	30	3/8	310
30	30	31-1/2	6	1/2	85
30	30	31-1/2	9	1/2	127
30	30	31-1/2	12	1/2	166
30	30	31-1/2	16	1/2	220
30	30	31-1/2	30	1/2	410

NOTE: Larger diameters, higher pressures and metric sizes may be furnished upon request. Please consult factory.

Materials of Construction

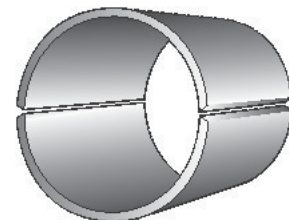
Body: High strength, low carbon steel meeting ASTM A572 GR 50/ ASTM A588

Yield Strength: 50,000 PSI Min.

Temp. Ratings: -20° to +150°F



*NOTE: Style 115 full-encirclement weld-over sleeves are available in 3/8" and 1/2" thicknesses for larger diameters and lengths up to 10 feet. Consult factory for your special project requirements.

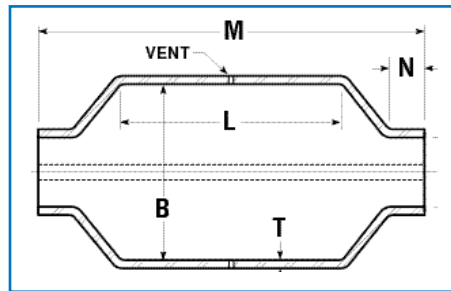


Style 220 Reinforcing Sleeve



Similar in design to the Style 110, **Dresser Style 220 Reinforcing Sleeves** encompass a “pumpkin” sleeve design and are commonly used to repair corrosion pits and stress cracks while offering a permanent reinforcement over couplings, flanges, valves or mechanical and screw collar joints. The Style 220 also provides a means of being “double sure” of safety against pipe-end pullout when used to reinforce pipelines on high pressure piping systems.

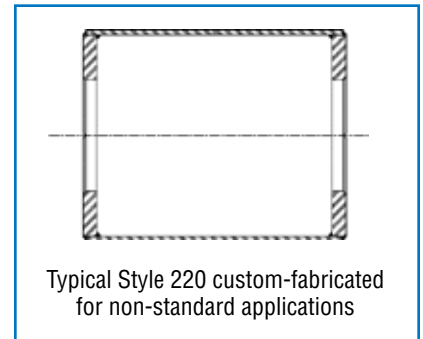
The steel construction properties of the Style 220 sleeve lends itself to field welding without preheating, using ordinary field welding procedures. All sleeves are factory prepared with standard welding bevel, machine flame cut for uniformity and ease of welding, and come with a drilled vent hole to preclude pressure build up between sleeve and pipe.



Built to rigid Dresser specifications, Style 220 sleeves have a minimum yield strength of 50,000 psi and an ultimate strength of 70,000 psi. Style 220 sleeves are supplied in all sizes, lengths and thicknesses as shown in charts. Larger sizes and lengths available upon request.

Style 220 Reinforcing Sleeve Sizes and Specifications for 2” thru 26” (With vent)

Nom. Pipe Size	ID “A” & Pipe OD	Inside Diam. “B”	Inside Length “L”	Outlet Dimen. “N”	Overall Length “M”	Thickness “T”	Approx. Shipping Wt. (lbs.)
2*	2-3/8	8-3/8	10-1/2	1-1/4	23-1/4	5/16	45
3*	3-1/2	9-1/2	10-1/2	1-1/4	23-1/4	5/16	49
4	4-1/2	10-1/2	10	2	20-1/4	5/16	54
6	6-5/8	12-5/8	13-1/2	1-3/8	21-3/4	3/8	96
8	8-5/8	14-5/8	13-1/3	1-3/8	21-3/4	3/8	112
10	10-3/4	16-3/4	13-1/2	1-3/8	21-3/4	3/8 or 1/2	128/175
12	12-3/4	18-3/4	13-1/2	1-3/8	21-3/4	3/8 or 1/2	150/198
14	14	20	13-1/2	1-3/8	21-3/4	3/8 or 1/2	160/215
16	16	22	13-1/2	1-3/8	21-3/4	3/8 or 1/2	176/240
18	18	24	13-1/2	1-3/8	21-3/4	3/8 or 1/2	195/260
20	20	26	13-1/2	1-3/8	21-3/4	3/8 or 1/2	216/288
22	22	28	13-1/2	1-3/8	21-3/4	3/8 or 1/2	230/307
24	24	30	13-1/2	1-3/8	21-3/4	3/8 or 1/2	248/330
26	26	32	13-1/2	1-3/8	21-3/4	3/8 or 1/2	315/350



Materials of Construction

Body: High strength, low carbon steel meeting ASTM A572 GR 50/ ASTM A588

Yield Strength: 50,000 PSI Min.

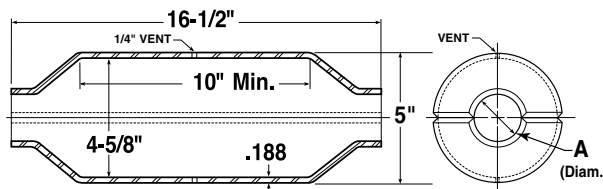
Temp. Ratings: -20° to +150°F

* 2” and 3” sizes have minimum yield strength of 35,000 psi.

NOTE: Larger diameters available upon request. Please consult factory with your particular application requirements.

Style 220-S Small Diameter Reinforcing Sleeves

The **Dresser Style 220-S** is a small diameter weld-over sleeve for reinforcing threaded collars, welded joints or compression couplings on pipe sizes from 3/4” I.D. through 2” I.D. sizes. The sleeves meet ASTM-A513, GR1015 specs, and have a yield strength of 35,000 PSI, and an ultimate strength of 48,000 PSI. Style 220-S sleeves are rated at 350 PSI working pressure. Style 220-S sleeves are furnished in matched halves and all longitudinal edges are factory bevelled for welding. A drilled vent hole precludes pressure buildup between sleeve and pipe during welding.



Pipe Size (O.D.)	Nom. Size	Diameter (A)
1.050	3/4"	1-1/8"
1.315	1"	1-3/8"
1.660	1-1/4"	1-3/4"
1.990	1-1/2"	2"
2.375	2"	2-7/16"

Dresser Compounded Rubber Gaskets

Pipe joints must be able to absorb pipe stress caused by natural forces and allow for expansion, contraction, vibration and deflection while the line is in service.

The sealing capabilities and the extreme flexibility of a Dresser coupled joint is made possible by the resilience of the rubber-compounded gaskets. Resiliency is the property that enables the gaskets to maintain pressure against the followers that confine it and, at the same time, allow for flexibility not found in rigid piping connections. Without it, a flexible joint is not possible! Simply put, the absorption of pipeline stress permits each section of the pipeline to “float” in the joint ensuring a flexible piping system while avoiding leakage, line breaks, costly repairs and service interruptions.

The information below is provided as a general review of various gaskets available when installing Dresser products. Please consult Dresser engineering department for proper recommendations pertaining to your particular requirements.

Armored® Gaskets

Armored gaskets can be used to great advantage where low electrical-resistant joints are desired. The armor “bites” into the pipe providing metal to metal contact allowing easy passage of current where cathodic protection is a necessity.

The armor—an elastic, practically indestructible brass coil or helix—is molded into the gasket tip becoming an integral part of the gasket. When used with the proper grade/compound rubber, the armor shields the gasket material from the line content without interfering with the sealing efficiency of the gasket.

Buna N (Grade 42 - Nitrile) Max. Temp. 212°F*

Buna N (Grade 42) gaskets are resistant to oil, most aromatic and aliphatic hydrocarbons, natural gas fogging oil, condensates and gasolines.

Buna S (Grade 27) Max. Temp. 212°F*

The compound most generally used for plain gaskets is Buna S (Grade 27). This gasket has wide applications and is accepted as standard for most pipeline use. It is recommended for use on lines transporting both fresh water and salt water, natural and other gases, air, most acids, alkaline and sugar solutions and some refrigerants.

Fluorocarbon - Max. Temp. 350°F

Fluorocarbon gaskets are resistant to hydrocarbons, aromatic hydrocarbons, alcohols, organic acids, nitrogen-containing compounds, vegetable oils and greases.

Butyl -Max. Temp. 250°F

Butyl gaskets are resistant to hot air service, steam, hot water and miscellaneous aqueous solutions. They are also suitable for vegetable oils, organic chemicals, oxidizing acids and alkalies.

EPDM - Max. Temp. 300°F

EPDM gaskets provide excellent resistant to aging factors such as ozone, oxygen and elevated temperatures. This includes service in hot water, steam and dry heat. They are also suitable for handling popular chemicals such as ketones, alcohols, phosphate ester hydraulic fluids, glycols, dilute acids and alkalies.

High Temperature - Max. Temp. 1200°F

These braided flexible gaskets are designed specifically for the high temperature and abrasive atmospheres associated with services such as fly ash handling systems. As a replacement for asbestos, these gaskets are manufactured of a pure homogenous graphite bonded to a fiberglass carrier for strength and thermal durability. The braid over braid construction is die-formed and cut to length to fit proper coupling configurations resulting in a uniform tolerance which has proven itself as a reliable asbestos replacement.

Note: The non-resilient characteristic of this particular gasket material may result in a non leak-proof seal. This should be taken into consideration for this application.

WARNING: Temperature recommendations are for reference purposes only. Please consult Dresser Engineering for specific recommendations, product style, line content, working pressure and temperature ranges.

NOTE: For SEVERE SERVICE conditions, see Dresser Gasket Brochure for complete listing of corrosive content and gasket recommendations.

*For Dresser Styles 65 & 88 Fittings, the maximum temperature is 150°F

Alternative pipe repairs utilizing Dresser couplings...



Dresser Style 38 Bolted Couplings



Dresser Style 40 Long Body Couplings are used for joining pipe when gaps in pipe ends are wider than ordinary. Style 40 couplings are similar in construction to Style 38 couplings except that middle rings are longer and have a larger belly diameter. Though longer, they absorb the same amount of expansion and contraction as the Style 38 coupling, up to 3/8" per joint.

When the defective pipe may be heavily damaged, and service interruption is permitted, spooling in a new piece of pipe just might be the economical repair alternative. Proven by years of service on all kinds of pipe, **Dresser couplings** will provide a flexible, leakproof connection that will last the life of the pipe. No costly threading, beveling, welding or exact pipe fitting or alignment is required.

What's more, the resilient Dresser gaskets absorb stress, vibration, expansion and contraction movement. Installation is safe and sure. There's no hazard to workmen or delays due to weather. Dresser Style 38 couplings are available from 1/2" thru 48" steel pipe sizes and up to 24" for cast and ductile iron. Larger sizes are available upon request.



Other DRESSER Piping Products for Water, Wastewater and Industrial Piping Systems...

Style 91 Service Saddles

Style 91 Service Saddles are made with high grade ductile iron bodies with either zinc-plated steel stirrups or stainless steel straps. Style 91 saddles are designed to shape themselves to the pipe during installation for maximum support, and to eliminate loading stresses. This allows the saddle to accommodate an exceptionally wide range of pipe materials and sizes. Style 91 saddles are available in single or double strap configurations and are furnished with 1/2" thru 2" NPT tapped bodies.



Custom Fabrication

DRESSER offers custom fabrication and engineering expertise making **Dresser Piping Specialties** your ideal solutions provider for unique piping requirements. Shown at right is an offset reducing coupling custom designed to join a 56" O.D. pipeline to a 57-5/8" O.D. pipeline with a 14-3/8" parallel offset. This Dresser coupling eliminated the need to excavate and realign two water tanks and connecting pipelines, saving a major New York State water utility customer hours of down time and thousands of dollars in construction costs.



You got a problem? Dresser Has Solutions!

Applicable Installation Warnings

⚠ WARNING
360 CLAMPS

When pipe pullout could occur, pipe joint **MUST** be anchored. Failure to anchor pipe joint could result in escaping line content that could cause property damage, serious injury or death.

⚠ WARNING
BELL JOINT CLAMPS

When pipe pullout could occur, pipe joint **MUST** be anchored. Failure to anchor pipe joint could result in escaping line content that could cause property damage, serious injury or death.

⚠ WARNING
Split Sleeves

When pipe pullout could occur, pipe joint **MUST** be anchored. Failure to anchor pipe joint could result in escaping line content that could ignite and cause property damage, serious injury or death.

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