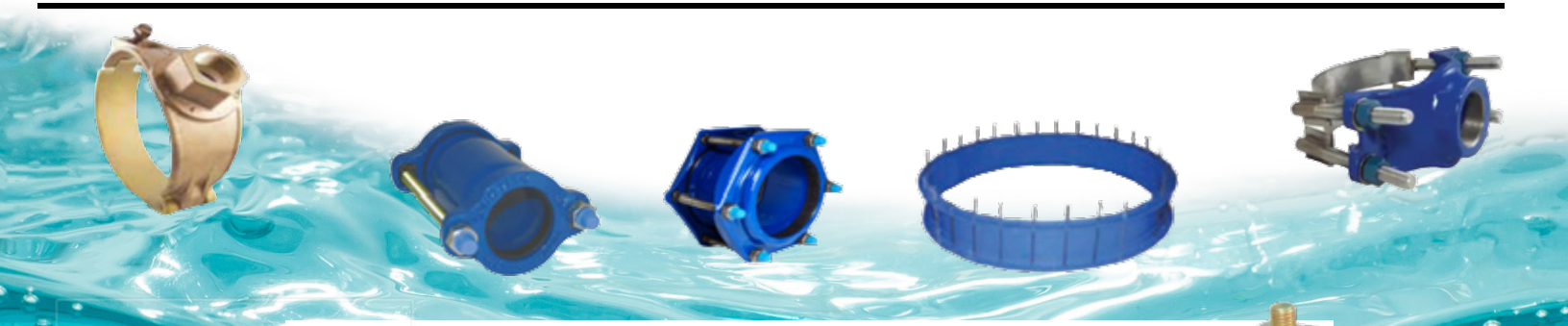




JABO SUPPLY



REPAIR CLAMPS



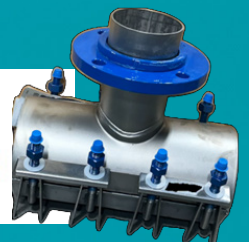
COUPLINGS



SADDLES



TAPPING SLEEVES





5 LOCATIONS

PARKERSBURG, WV
10085 Emerson Avenue 26102
(304) 464-4400

NORTON, VA
205 Hawthorne Drive, 24273
(276) 679-1224

HUNTINGTON, WV
209 Braley Street, 25705
(304) 736-8333

MORGANFIELD, KY
118 Jim Veatch Road, 42437
(270) 389-3430

BEAVER, WV (BECKLEY)
227 C&O Shop Road 25813
(304-252-0000

SINCE 1964 SERVICE IS MORE THAN A PROMISE

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CALL JABO SUPPLY FOR ALL YOUR WATER WORKS NEEDS

JABO SUPPLY



REPAIR CLAMPS




NOTES

REPAIR CLAMPS

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BY PRODUCT


REDI CLAMPS / PATCH CLAMPS

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Full Circle Redi Clamp	Redi Clamp	Patch Clamp
		
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FULL CIRCLE REPAIR CLAMPS

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DRESSER/TPS
QCRS
WIDE RANGE

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REPAIR CLAMPS

PICTURE INDEX

PIPE BY INDIVIDUAL PRODUCTS



MATCH OD RANGE TO YOUR SPECIFIC NEED

FULL CIRCLE CLAMP WITH OUTLET

SMITH BLAIR	SMITH BLAIR	DRESSER/ TPS
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BELL JOINT LEAK CLAMPS

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274	Ultra Sleeve
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RACHETT STRAP CLAMP

Reparex
Rachett Straps

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REPAIR CLAMPS

PICTURE INDEX

REPAIR CLAMPS BY PIPE TYPE

IF PIPE IS KNOWN YOU CAN USE QUICK REFERENCE GUIDE TO FIND THE CLAMP THAT MATCHES YOUR SPECIFIC NEEDS

QUICK REFERENCE GUIDE FOR FOLLOWING PIPE TYPE

CTS	IPS PIPE	DUCTILE IRON C900 CAST IRON	PIT CAST	AC TRANSITE
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AC SIMPLEX
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REPAIR CLAMPS



OD PIPE CHART

JABO SUPPLY DOES NOT WARRANTY
FOR RECOMMENDATION ONLY

STEEL PIPE & STEEL SIZE PVC

COPPER TUBING

DI, C900. CAST IRON

NOM. SIZE	STD (SCH 40)	NOM. SIZE	STD (SCH 40)	NOM. SIZE	PIPE O.D. (INCHES)	DI, C900, CAST IRON	
						NOM. SIZE	PIPE O.D. (INCHES)
1/2"	0.84	4"	4.50	3/8"	0.56		
3/4"	1.05	4-1/2"	5.00	1/2"	0.63	6"	6.90
1"	1.32	5"	5.56	5/8"	0.75	8"	9.05
1-1/4"	1.66	6"	6.63	3/4"	0.88	10"	11.10
1-1/2"	1.90	8"	8.63	1"	1.13	12"	13.20
2"	2.38	9"	9.63	1-1/4"	1.38	14"	15.30
2-1/2"	2.88	10"	10.75	1-1/2"	1.63		
3"	3.50	12"	12.75	2"	2.13		
3-1/2"	4.00	14"	14.00	2-1/2"	2.63		
STD (SCH 40) STEEL PIPE 14" ABOVE THE NOMINAL SIZE IS THE O.D.) (16=16.00 OD ,,,ETC				3"	3.13		
				4"	4.13		
				5"	5.13		
				6"	6.13		

ASBESTOS PIPE

PIT CAST

SIZE	CLASS	AC TRANITE		AC SIMPLEX		NOM. SIZE PIPE	PIT CAST PIPE ONLY			
		ME	RB MIN-MAX	ME	RB MIN-MAX		NOT CURRENT MANUFACTURE OR STD			
							CLASS A	CLASS B	CLASS C	CLASS C
4	100	4.64	4.79-5.14	4.70	4.95	3"	3.8	3.96	3.96	3.96
	150	4.81	4.97-5.27	4.85	5.10	4"	4.8	5.00	5.00	5.00
	200	4.81	5.22-5.77	5.20	5.45	6"	6.9	7.1	7.1	7.1
6	100	6.91	7.05-7.40	6.76	7.01	8"	9.05	9.05	9.3	9.3
	150	6.91	7.07-7.37	6.95	7.20	10"	11.1	11.1	11.4	11.4
	200	6.91	7.26-7.56	7.50	7.75	12"	13.2	13.2	13.5	13.5
8	100	9.11	9.22-9.57	8.80	9.13	14"	15.3	15.3	15.65	15.65
	150	9.11	9.27-9.57	9.15	9.40					
	200	9.11	9.39-9.74	9.76	10.01					
10	100	11.24	11.42--11.77	11.18	11.43	16"	17.4	17.4	17.8	17.8
	150	11.66	11.82-12.12	11.70	11.95					
	200	11.66	11.77-12.12	12.20	12.45					
12	100	13.44	13.69-14.04	13.36	13.61					
	150	13.92	14.08-14.38	13.96	14.21					
	200	13.92	14.03-14.38	14.46	14.72					
14	100	15.07	15.40-15.80	15.56	15.94					
	150	16.22	16.38-16.73	16.26	16.64					
	200	16.22	16.48-16.88	16.88	17.26					

REDI / PATCH CLAMPS BY PRODUCT



REPAIR CLAMPS



Full Circle® Redi-Clamp

244

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)
[Sales Terms & Conditions](#)
[Freight Policy](#)
[Returns Policy](#)
[Corrosion & Product Selection Notice](#)



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: A repair clamp designed to repair pin holes, punctures or splits.

Application: Works on Steel, Copper, IPS-sized PVC and HDPE.

Key Features:

- Built to a specific pipe O.D.
- Smooth ¼" thick gasket material
- Drop-in bolts help ease installation
- Standard widths are 3", 6" and 12"
- Available in IPS and Copper tube sizes
- Lugs are epoxy coated for great corrosion resistance
- Provides 360° coverage, covering the full pipe surface
- Use 6" long or longer clamps to join pipe ends of like size
- 18-8 Type 304 Stainless Steel band for corrosion resistance
- Economical means of repairing pin hole leaks, punctures and splits in pipe

Materials Specifications (subject to change):

BAND: Stainless Steel Type 304

LUGS: Ductile Iron ASTM A536

GASKET: Nitrile (Buna N) compounded to produce resist oil, natural gas, acids, alkalies, most (aliphatic) hydrocarbon fluids, water and many chemicals

LUGS: Ductile Iron ASTM A536 with Flexi-Coat® Epoxy Finish

BOLTS: Carbon Steel SAE J 429 electro galvanized with di-chromate seal. *Optional: 304 Stainless Steel bolts with fluoropolymer coated nuts to prevent galling*

Working Pressure: Up to 150 PSI

Pipe Applications: Steel Copper, and IPS-sized PVC and HDPE

Sizes (in inches): 1/2", 3/4", 1", 1 ¼", 1 ½" and 2"

REPAIR CLAMPS

REDI CLAMP / PATCH CLAMP
244 FULL CIRCLE REDI REPAIR CLAMP



FULL CIRCLE

ELECTRO GALVANIZED BOLTS STD
 SS BOLTS AVAILABLE UPON REQUEST



SIZE INCHES	OD RANGE	PIPE	LENGTH		
			3	6	12
1/2"	0.63	CTS	073-07746	073-07754	NA
	.84	IPS	073-07762	073-07770	*
3/4"	0.88	CTS	073-07786	073-07794	NA
	1.05	IPS	073-07802	073-07810	*
1"	1.13	CTS	073-07826	073-07834	NA
	1.32	IPS	073-07842	073-07850	073-07858
1 1/4"	1.38	CTS	073-07866	073-07874	NA
	1.66	IPS	073-07898	073-07906	073-07914
1-1/2"	1.63	CTS	073-07882	073-07890	NA
	1.90	IPS	073-07922	073-07930	073-07938
2"	2.13	CTS	073-07946	073-07954	NA
	2.38	IPS	074-07962	073-07970	073-07978

REPAIR CLAMPS



Redi-Clamp®

245

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)

[Sales Terms & Conditions](#)

[Freight Policy](#)

[Returns Policy](#)

[Corrosion & Product Selection Notice](#)



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: A repair clamp designed to repair pin holes, punctures or splits.

Application: Works on Steel, PVC, HDPE, and Copper tube.

Key Features:

- Built to a specific pipe O.D.
- Drop-in bolts help ease installation
- Standard widths are 3", 6", 9" and 12"
- Available in IPS, Copper tube, Ductile Iron and other sizes
- Lugs are epoxy coated for great corrosion resistance
- Provides 360° coverage, covering the full pipe surface
- 18-8 Type 304 Stainless Steel band for corrosion resistance
- Economical means of repairing pin hole leaks, punctures and splits in pipe

Materials Specifications (subject to change):

BAND: Stainless Steel Type 304

LUGS: Ductile Iron ASTM A536

GASKET: Nitrile (Buna N) compounded to produce resist oil, natural gas, acids, alkalies, most (aliphatic) hydrocarbon, water and many chemicals

LUGS: Ductile Iron ASTM A536 with Flexi-Coat® Epoxy Finish

BOLTS: Carbon Steel SAE J 429 electro galvanized with di-chromate seal. *Optional: 304 Stainless Steel bolts with fluoropolymer coated nuts to prevent galling*

Working Pressure: Up to 150 PSI

Pipe Applications: Steel, PVC, HDPE, and Copper tube

Sizes (in inches): ½", ¾", 1", 1¼", 1½", 2", 2½", 3" and 3½"-4"

REPAIR CLAMPS

REDI CLAMP / PATCH CLAMP

245 REDI CLAMP NOT FULL CIRCLE



NO FULL CIRCLE

ELECTRO GALVANIZED BOLTS STD

SS BOLTS AVAILABLE UPON REQUEST

245 NOT AVAILABLE FOR CTS (SEE JCM)



SIZE (INCHES)	OD RANGE (INCHES)	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS			
		3	6	9	12
1/2	0.84		073-07994	NA	NA
3/4	1.05	073-08002	073-08010	NA	NA
1	1.32	073-08018	073-08026	NA	NA
1-1/4	1.66	073-08034	073-08042	NA	NA
1-1/2	1.90	073-08050	073-08058	NA	NA
2	2.0			NA	NA
2	2.38	073-08082	073-08090	*	*
2-1/2	2.88	073-08114	073-08122	*	*
3	3.0	*	*	*	*
	3.50	073-08178	073-08186	*	*
3-1/2-4	4.00	*	*	*	*
4	4.25	*	*	*	*
	4.50	073-08258	073-08266	073-08274	*
5	5.00	*	*	*	*
	5.56	*	073-08326	*	*
6	6.00	*	*	*	*
	6.25	*	*	*	*
	6.63	073-08386	073-08394	073-08402	073-08410
8	8.00	*	*	*	*
	8.63	073-08458	*	073-08466	*
10	10.00	*	*	*	*
	10.75	*	*	073-08518	*
12	12.00	*	*	*	*
	12.75	*	*	*	*

REPAIR CLAMPS

JCM 110 PATCH CLAMPS

JCM Patch Clamps are designed with a partial gasket for fast, economical repairs for pinholes, punctures, splits or corrosion areas on steel and PVC pipelines. Partial gasket creates a "patch area" applied directly over the damage. Stainless steel band conforms to the pipe circumference with bolt torque applied directly to spot gasket sealing.

Sizes 2" - 12". For larger sizes, see JCM 112 - 113 Heavy Duty Patch Clamps

Standard clamp furnished with Buna-N Gasket. Other gaskets available include: Viton, EPDM, Hypalon.



JCM 110 PATCH CLAMP

Lug: Ductile Iron ASTM A-536. Optional CF8 Stainless Steel available.

Gasket: Rubber gasket, suitable for gas.

Band: 18-8 Type 304 Stainless Steel

Hardware: Electro-galvanized steel. Optional Stainless Steel available



Certified to
NSF/ANSI/CAN 61
& NSF/ANSI 372

REPAIR CLAMPS

REDI CLAMP / PATCH CLAMP

JCM 110 PATCH CLAMP NOT FULL CIRCLE

110 PATCH CLAMP NOT FULL CIRCLE

SIZE (INCHES)	OD RANGE (INCHES)	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS			
		3	6	9	12
1/2	0.63	*	*	NA	NA
	0.84	*	071-00200	NA	NA
3/4	0.88	*		NA	NA
	1.05	071-00010	071-00210	NA	NA
1	1.13	*		NA	NA
	1.32	071-00020	071-00220	NA	NA
1-1/4	1.38	*		NA	NA
	1.66	071-00030	071-00230	NA	NA
1-1/2	1.63	*		NA	NA
	1.90	071-00040	071-00240	NA	NA
2	2.13	*		NA	NA
	2.38	071-00050	071-00250	*	*
2-1/2	2.88	071-00060	071-00260	*	*
3	3.50	071-00070	071-00270	*	*
4	4.50	071-00090	071-00290	*	*
5	5.56	*	071-00300	*	*
6	6.63	071-00110	071-00310	071-00390	071-00315
8	8.63	*	071-00320	071-00400	*
10	10.75	*	*	071-00410	*
12	12.75	*	*	*	*

FULL CIRCLE REPAIR CLAMPS

BY PRODUCT



REPAIR CLAMPS



Full Circle® Repair Clamp

Single Band

226



Description: These clamps provide fast, economical means for repairing full circumferential breaks, holes, cracks and other types of damage.

Application: Works on Cast Iron, Ductile Iron, Steel, Asbestos Cement, Copper, Aluminum, PVC, HDPE, Fiberglass and other pipe types.

Key Features:

- Stainless Steel bands
- Working pressure up to 300 PSI
- Nominal temperature range -20°F to 180°F
- Removable lugs to allow installation in tight spaces
- May be used to join plain end pipe of the same diameter
- Standard widths through 30"
- 360° gasket seal
- Flexi-Coat® Epoxy Finish for corrosion resistance
- Range up to .40" in single band
- Drop-in bolts for easier installation

Materials Specifications (subject to change):

BAND: Stainless Steel Type 304

LUGS: Ductile Iron ASTM A536, 80-55-06

GASKET: Nitrile (Buna N) compounded to produce superior storage and performance characteristics, while resisting water, acids, alkalis, most (aliphatic) hydrocarbons and many other chemicals
 Temperature Range: -20°F to 180°F. Consult manufacturer for specific applications and other service temperatures

BRIDGE PLATE: Stainless Steel recessed flush and bonded into gasket

BOLTS: High strength, low alloy Steel with heavy, semi-finished hexagon nuts per ANSI B.18.2.2

Optional 304 Stainless bolts with fluoropolymer coated nuts to reduce galling

FINISH: Flexi-Coat® Fusion Bonded Epoxy

NOTE: Also available in metric sizes. HDPE applications will require clamps with spring washers

Pipe Applications: Cast Iron, Ductile Iron, Steel, Asbestos Cement, Copper, Aluminum, PVC, HDPE, Fiberglass and other pipe types

Sizes (in inches): 2, 2 ¼-2 ½, 3, 3-4, 4, 4-5, 6, 8, 8-10, 10, 10-12, 12, 12-14



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

REPAIR CLAMPS

FULL CIRCLE REPAIR CLAMP

226 FULL CIRCLE REPAIR CLAMP SINGLE BAND



SIZE (INCHES)	OD RANGE (INCHES)	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS						
		7.5	10	12.5	15	20	24	30
2	2.35-2.63	073-01622	073-01630	073-01638	073-01646	NA	NA	NA
2 1/4-2 1/2	2.70-3.00	073-01654	*	*	8	NA	NA	NA
3	2.97-3.25	*	*	*	*	NA	NA	NA
	3.46-3.70	073-01718	*	073-01734	073-01742	NA	NA	NA
3-4	3.73-4.00	*	*	*	*			
	3.96-4.25	*	*	*	*	NA	NA	NA
4	4.45-4.73	073-01814	073-01822	073-01830	073-01838	NA	NA	NA
4	4.74-5.14				073-01870	073-01878	*	*
4-5	4.95-5.35	073-01902	073-01910	073-01918	073-01926	073-01934	*	*
	5.22-5.62	*	*	*	*	*	*	*
6	5.95-6.35	*	*	*	*	*	*	*
	6.56-6.96	073-02066	073-02074	073-02082	073-02090	073-02098	*	*
	6.84-7.24	073-02122	073-02130	073-02138	073-02146	073-02154	*	*
	7.05-7.45	073-02178	073-02186	073-02194	073-02202	073-02210		
	7.45-7.85	*	*	*	*	*	*	*
8	7.95-8.35	*	*	*	*	*	*	*
	8.54-8.94	073-02346	073-02354	073-02362	073-02370	073-02378	*	*
	8.99-9.39	073-02402	073-02410	073-02418	073-02426	073-02434	*	*
	9.27-9.67	073-02458	073-02466	073-02474	073-02482	073-02490	*	*
8-10	9.70-10.10	*	*	*	*	*	*	*
10	10.64-11.04	073-02566	073-02574	073-02582	073-02590	073-02598	*	*
	11.04-11.44	073-02622	073-02630	073-02638	073-02646	073-02654	*	*
	11.34-11.74	073-02678	073-02686	073-02694	073-02702	073-02710	*	*
	11.75-12.15	073-02734	073-02742	073-02750	073-02758	073-02766	*	*
10-12	12.00-12.40	*	*	*	*	*	*	*
12	12.62-13.02	073-02846	073-02854	073-02862	073-02870	073-02878	*	*
	13.10-13.50	073-02902	073-02910	073-02918	073-02926	073-02934	*	*
	13.40-13.80							
12-14	13.70-14.10	073-03014	073-03022	073-03030	073-03038	073-03046	073-03054	
12	14.00-14.40	073-03074	073-03082	073-03090	073-03098	073-03106		

* NON STOCK CALL JABO SUPPLY

ABOVE CLAMPS / LOW ALLOY BOLTS & NUTS

STAINLESS STEEL BOLTS & NUTS ARE AVAILABLE UPON REQUEST

REPAIR CLAMPS

JCM 101 UNIVERSAL CLAMP COUPLINGS JCM 171 UNIVERSAL CLAMP COUPLINGS REMOVEABLE LUGS Single Band, Ductile Iron Lugs

Corrosion resistant, high strength low alloy bolts and nuts (AWWA C-111, ANSI A21.11.) are standard. Optional 18-8 Type 304 Stainless Steel available. Drop-in bolts means no loose parts.

Meets ANSI/AWWA C230 Stainless-Steel Full- Encirclement Repair and Service Connection Clamps.

Low profile Ductile Iron lugs (ASTM A536) with mutually supporting sliding fingers provide distortion free tightening over wide range.

Model 101 Positive attachment of band to lugs eliminates mechanical weaknesses and band pull-out.

Model 171 Removeable lugs eases installation in tight spaces.

Type 304 Stainless Steel band conforms to pipe irregularities maintaining sealing pressure for entire gasket.

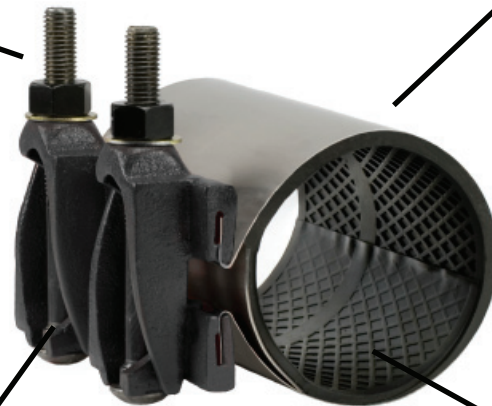


Image Reflects 6" Clamp Width

Gridded gasket with long tapered ends and recessed bridge plate assures even gasket pressure throughout range - without wrinkling or crimping. Compounded for use with water, salt solutions, mild acids and bases.

JCM 101 Universal Clamp Couplings meet all Three R's

Robust, Reliable and Ready!

REPAIR CLAMPS

JCM Universal Clamp Couplings Selection

Industry standard repair clamps require bolt torque ranges between 60 - 85 ft. lbs. of torque. Some manufacturers advise not to exceed 75 ft. lbs. of torque due to excessive lug deformation. Difficult installations involving pipe offset or deflection often require more torque to assure proper clamp conformation to the pipe and high gasket compression. Larger pipe sizes and pipelines with higher working pressures also require greater torque capability. JCM Universal Clamp Couplings have bolt torque capability in excess of 100 ft. lbs. on 5/8" bolts and 150 ft. lbs. on 3/4" bolts. These elevated torque value capabilities allow JCM Universal Clamp Couplings to go beyond the "standard installation".

As an added PLUS, JCM Universal Clamp Couplings come standard with a thicker gasket in all but the smallest sizes. This heavy 1/4" thick gasket was introduced to the industry to provide for better performance on heavily damaged and pitted pipe. However, it had been available in only 10" and 12" clamp sizes. In JCM clamps this heavier gasket is standard in all sizes 3" and larger. Combined with the **greater bolt torque capability**, the heavy gasket feature means more clamp capability under extreme conditions.

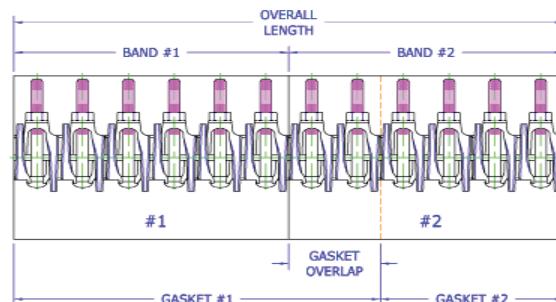
Width Selection - 101, 102, 171, 172 Universal Clamp Couplings

JCM Universal Clamp Couplings are available in a great many widths. Because these clamps utilize a heavier gasket and bolting arrangement than most comparable clamps, when you use JCM Universal Clamp Couplings significant savings are possible. The following general recommendations are offered to assist you in taking advantage of the design benefits of these clamps. Specific circumstance may require widths other than these general recommendations.

- 6" Width:** Best and most economical width to repair most beam breaks and to connect pipe in sizes 4" and smaller. Short length with thicker gasket give outstanding deflection capability. Recommend 2" of gasket on both sides of the break.
- 7-1/2" Width:** Best for Asbestos Cement coupling replacements, beam breaks and connection of pipe in sizes 6" and larger.
- 12" Width:** Best for longer breaks, repairs on working pressure above 150 PSI and for larger sizes of pipe.
- 15, 18, 24, 30" and longer widths:** Best for long splits and heavily damaged pipe. For best performance the separation between pipe ends should be no more than 1/4". If the space is larger, or a large hole is being repaired, use a sheet of stainless steel over the hole under the gasket or a spacer to fill gap between pipe ends.

JCM Multi-Segment Clamps for Extended Width Clamps

JCM clamps with widths greater than 48" are often provided as multi-segmented clamps which install in an overlapping band/gasket design. The gasket in the first section extends out from the band. The next section clamp has the gasket offset in the clamp, the second band butts up to the first band and covers the extended gasket and the additional sections continue with the offset assembly. The last band segment has a gasket flush with the stainless band, providing the last segment of the clamp. This overlapping band design allows for nearly unlimited clamp widths, ensures safe, damage free transport on common carriers and hot shot service, eases installation for a small number of crew members, provides for direct tightening of bolt sections over the gasket.



REPAIR CLAMPS

JCM Universal Clamp Couplings - Single Band

JCM Universal Clamp Couplings provide a full circumferential seal and wide range for the permanent repair or reconnection of Asbestos-Cement, Cast Iron, Ductile Iron, PVC, Steel, HDPE and other types of pipe.

JCM 101 Series Universal Clamp Couplings

- **Balanced, Low Profile Ductile Iron lugs (ASTM A536)** with mutually supporting sliding fingers provide distortion free tightening over a wide range. Ductile Iron lugs offer corrosion resistance and an efficient method of transfer of energy from the fastener attachment directly to compression of the gasket.
- **Corrosion Resistant Type 304 Stainless Steel Band** conforms to pipe irregularities, maintains sealing pressure over the entire gasket area. Design criteria requires gauge thickness increase with clamp size. This is just one of the design points which enables JCM Universal Clamp Couplings to withstand the internal forces involved with large pipe repair.
- **Positive Attachment** of stainless band to lugs is a structurally sound fabrication design element which accommodates the greater torque capabilities ensuring permanent repairs on high pressure applications.
- **Gridded Gasket** with long tapered ends and recessed bridge plate assures even gasket pressure through out the range - without wrinkling or crimping. **Diamond gridded, 1/4" thick gasket** (JCM standard on nominal sizes 4" and larger) adapt to pitted or uneven pipe surfaces to completely seal damaged areas. Standard gasket is compounded for use with water, salt solutions, mild acids, bases and sewage. Other gasket compounds for exotic line contents are available.
- **Larger Bolts** for greater torque ratings are provided on 10" clamps and larger. The 3/4" bolts have bolt torque capability in excess of 100 ft. lbs. These higher torque value capabilities allow JCM Universal Clamp Couplings to go beyond the "standard installation."

JCM 170 Series Universal Clamp Coupling with Removeable Lug System

- **Features an Easy to Remove Lug** - simply slide the open ear lug section off the stainless band receiver pleat, install the clamp around the pipe and slide the lug back into place. A simple transfer of bolt torque energy from the bolt to the stainless steel band locks the lug into place and prevents band pull out.
- **Full Line of Diameters and Widths** - JCM 170 Series is available in the exact sizes and ranges as the JCM Models 101, 102, 103 and 104 have the same great availability. Single band, multi-band and tapped outlets are readily available.

JCM 170 Series with Removeable Lug Overcomes common installation problems such as:

Cramped Underground Utility Applications
Rockbound Soil Conditions
Restricted, Narrow Space Piping Galleries
Limited Excavation Applications

MATERIAL SPECIFICATIONS - JCM Universal Clamp Couplings - Models 101, 102, 171, 172

- Band:** 18-8 Type 304 Certifiable Prime Stainless Steel
- Lugs:** Ductile Iron ASTM A-536, 60-40-18
- Bolts:** Corrosion resistant low alloy per ASTM A242, ANSI A21.11, AWWA C-111. National coarse rolled thread and heavy hex nut.
 Optional Stainless Steel 18-8 Type 304 or 316 available.
 Optional Electro Coated low alloy bolts/nuts available.
- Gasket:** Virgin Styrene-Butadiene Rubber (SBR) - Compounded for use with water, salt solutions, mild acids and bases. Per ASTM D-2000 M4AA 607. Standard temperature range from -40° to 150° F (-40° to 65° C) constant, maximum intermittent 180°F (82°C). For applications on high temperatures or chemical pipelines, contact JCM Industries Technical Services.
- Coating:** Corrosion resistant shop coat paint primer.
- Pressure Rating:** Pressure holding capabilities vary according to application.
 For specific pressure ratings, contact JCM Industries Technical Services.

Meets ANSI/AWWA C230 Stainless-Steel Full-Encirclement Repair and Service Connection Clamps as applicable.
 JCM 100 Series Universal Clamp Couplings are ANSI/NSF Standard 61, Annex G and ANSI/NSF 372 Certified.



REPAIR CLAMPS

FULL CIRCLE REPAIR CLAMP

JCM FULL CIRCLE REPAIR CLAMP SINGLE BAND

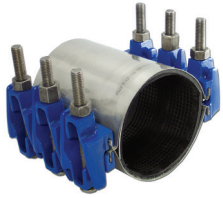


SIZE (INCHES)	OD RANGE (INCHES)	SIZE (INCHES)						
		6"	7	12'	15	18	24	30
1-1/2	1.88 - 2.15	*	*	*	*	*	*	*
2	2.35-2.63	*	*	*	*	*	*	*
2 1/4-2 1/2	2.70-3.13	*	*	*	*	*	*	*
3	3.46-3.70	071-00545	071-00540	071-00543	*	*	*	*
3-4	3.73-4.13	*	*	*	*	*	*	*
4	4.45-4.73	071-00548	071-00550	071-00560	071-00562	*	*	*
4	4.74-5.14	*	*	*	*	*	*	*
4-5	5.22 - 5.62	*	*	071-00570	*	*	*	*
6	5.95-6.35	*	*	*	*	*	*	*
6	6.56-6.96	*	071-00575	071-00580	071-00582	*	*	*
6	6.85-7.25	*	*	*	*	*	*	*
6	7.05-7.45	*	*	*	*	*	*	*
8	7.45-7.85	*	*	*	*	*	*	*
8	7.95-8.35	*	*	*	*	*	*	*
8	8.54-8.94	*	*	071-00600	071-00602	*	*	*
8	8.99-9.39	*	*	071-00740		*	*	*
8	9.27-9.67	*	*			*	*	*
10	10.60-11.00	*	*	071-00620	071-00626	*	*	*
10	11.04-11.44	*	*	*	*	*	*	*
10	11.34-11.74	*	*	*	*	*	*	*
10	11.75-12.15	*	*	*	*	*	*	*
10-12	12.00-12.40	*	*	*	*	*	*	*
12	12.60-13.02	*	*	071-00680		*	*	*
12	13.10-13.50	*	*	*	*	*	*	*
12-14	13.70-14.10	*	*	*	*	*	*	*
14	14.00-14.40	*	*	071-00692	*	*	*	*

* NON STOCK CALL JABO SUPPLY

AVAILABLE OPTIONS
Stainless Steel Bolts
Conductive Buttons
Specialty Gaskets
Tapped Outlets
Other Sizes and Ranges

REPAIR CLAMPS



Full Circle[®] Repair Clamp

Double Band

227

IMPORTANT LINKS

Click appropriate words to go to:

- Standard Limited Warranty
- Sales Terms & Conditions
- Freight Policy
- Returns Policy
- Corrosion & Product Selection Notice



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: These clamps provide fast, economical means for repairing full circumferential breaks, holes, cracks and other types of damage.

Application: Works on Cast and Ductile Iron, Steel, Asbestos Cement, Copper, Aluminum, PVC, HDPE, Fiberglass and other pipe types.

Key Features:

- Working pressure up to 175 PSI
- Nominal temperature range -20°F to 180°F
- Removable lugs to allow installation in tight spaces
- May be used to join plain end pipe of the same diameter
- Standard widths through 30" (221 standard is 5")
- 360° gasket seal
- Flexi-Coat[®] Epoxy Finish for corrosion resistance
- Range up to .80" in double band
- Drop-in bolts for easier installation

Materials Specifications (subject to change):

Band: Stainless Steel Type 304

Lugs: Ductile Iron ASTM A536, 80-55-06

Gasket: Nitrile (Buna N) compounded to produce superior storage and performance characteristics, while resisting water, acids, alkalis, most (aliphatic) hydrocarbon and many other chemicals

Temperature Range: -20°F to 180°F. Consult manufacturer for specific applications and other service temperatures

Bridge Plate: 304 Stainless Steel recessed flush and bonded into gasket

Bolts: High strength, low alloy Steel with heavy, semi-finished hexagon nuts per ANSI B. 18.2.2

Optional 304 Stainless bolts with fluoropolymer coated nuts to reduce galling

FINISH: Flexi-Coat[®] Fusion Bonded Epoxy

NOTE: Also available in metric sizes. HDPE applications will require clamps with spring washers

Pipe Applications: Cast Iron, Ductile Iron, Steel, Asbestos Cement, Copper, Aluminum, PVC, HDPE, Fiberglass and other pipe types

Sizes (in inches): 3, 4, 6, 8, 10, 12. Other sizes available upon request.

Bolt Numbers:

BAND WIDTH INCHES	NUMBER OF BOLTS	BOLT SIZES
7.5	6	Drop-In lug 5/8"x6" or 16mmx152mm
10	8	
12.5	10	
15	12	Closed lug 5/8"x6 7/8" or 16mmx175mm
20	16	
30	24	

REPAIR CLAMPS

FULL CIRCLE REPAIR CLAMP

227 FULL CIRCLE REPAIR CLAMP DOUBLE BAND



SIZE (INCHES)	OD RANGE (INCHES)	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS						
		7.5	10	12.5	15	20	24	30
3	3.49-4.29	*	*	NA	*	*	*	*
4	4.44-5.24	NA	*	NA	*	*	*	*
	4.74-5.57	NA	*	NA	*	*	*	*
6	6.62-7.42	NA	*	NA	*	*	*	*
	6.84-7.64	NA	*	NA	*	*	*	*
8	8.62-9.42	NA	*	NA	*	*	*	*
	8.99-9.79	NA	*	NA	*	*	*	*
10	10.75-11.55	NA	*	NA	*	*	*	*
	11.10-11.90	NA	*	NA	*	*	*	*
10	11.60-12.40	NA	*	NA	*	*	*	*
12	12.75-13.55	NA	*	NA	*	*	*	*
	13.20-14.00	NA	*	NA	*	*	*	*
	13.14-14.34	NA	*	NA	*	*	*	*
	13.65-14.45	NA	*	NA	*	*	*	*
	13.65-14.85	NA	*	NA	*	*	*	*

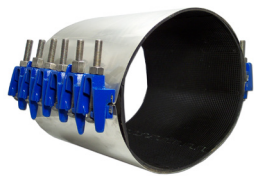
*** NON STOCK CALL JABO SUPPLY**

ABOVE CLAMPS W/ LOW ALLOY BOLTS & NUTS

STAINLESS STEEL BOLTS & NUTS ARE AVAILABLE UPON REQUEST

OTHER SIZES ARE AVAILABLE UPON REQUEST

REPAIR CLAMPS



Full Circle® Repair Clamp

Double Band and Triple Band

(FOR LARGE DIAMETER PIPE)

228

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)

[Sales Terms & Conditions](#)

[Freight Policy](#)

[Returns Policy](#)

[Corrosion & Product Selection Notice](#)



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: These clamps provide fast, economical means for repairing full circumferential breaks, holes, cracks and other types of breaks.

Application: Works on Cast Iron, Ductile Iron, Steel, Asbestos Cement, Copper, Aluminum, PVC, HDPE, Fiberglass and other pipe types.

Key Features:

- Stainless Steel bands
- Working pressure up to 150 PSI
- Nominal temperature range -20°F to 180°F
- Removable lugs to allow installation in tight spaces
- 18-8 Type 304 Stainless Steel band for corrosion resistance
- 360° gasket seal
- Flexi-Coat® Epoxy Finish for corrosion resistance
- Drop-in bolts for easier installation

Materials Specifications (subject to change):

BAND: Stainless Steel Type 304

LUGS: Ductile Iron ASTM A536, 80-55-06

GASKET: Nitrile (Buna N) compounded to produce superior storage and performance characteristics, while resisting water, acids, alkalies, most (aliphatic) hydrocarbon and many other chemicals

Temperature Range: -20°F to 180°F. Consult manufacturer for specific applications and other service temperatures

BRIDGE PLATE: 304 Stainless Steel recessed flush and bonded into gasket

BOLTS: High strength, low alloy Steel with heavy, semi-finished hexagon nuts per ANSI B. 18.2.2

Optional 304 Stainless bolts with fluoropolymer coated nuts to reduce galling

FINISH: Flexi-Coat® Fusion Bonded Epoxy

NOTE: Also available in metric sizes. HDPE applications will require clamps with spring washers

Pipe Applications: Cast Iron, Ductile Iron, Steel, Asbestos Cement, Copper, Aluminum, PVC, HDPE, Fiberglass and other pipe types

Sizes (in inches): 14, 16, 18, 20, 24. Other sizes available upon request.

REPAIR CLAMPS

FULL CIRCLE REPAIR CLAMP

228 FULL CIRCLE REPAIR CLAMP LARGE DIAMETER



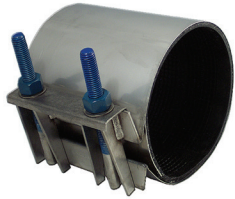
SIZE	OD RANGE	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS						
(INCHES)	(INCHES)	7.5	10	12.5	15	20	24	30
DOUBLE BAND	14.38 - 15.13	*	*	*	*	*	*	*
	15.07 - 15.82	*	*	*	*	073-03714	*	*
	15.92 - 16.67	*	*	*	073-03738	073-03743	*	*
	16.56 - 17.31	*	*	*	*	*	*	*
	17.15 - 17.90	*	*	*	*	*	*	*
	17.82 - 18.57	*	*	*	*	073-03802	*	*
	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	*	*	*	*	*	*	*
TRIPLE BAND	23.28 - 24.38	*	*	*	*	*	*	*
	24.38 - 25.48	*	*	*	*	*	*	*
	25.70 - 26.80	*	*	*	*	*	*	*
	26.48 - 27.58	*	*	*	*	*	*	*
	27.65 - 28.75	*	*	*	*	*	*	*
	28.73 - 29.83	*	*	*	*	*	*	*
	29.62 - 30.72	*	*	*	*	*	*	*

*** NON STOCK CALL JABO SUPPLY**

ABOVE CLAMPS / LOW ALLOY BOLTS & NUTS

STAINLESS STEEL BOLTS & NUTS ARE AVAILABLE UPON REQUEST

REPAIR CLAMPS



Full Circle® Repair Clamp

All Stainless Steel, Fabricated Lugs, Single Band

261

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)

[Sales Terms & Conditions](#)

[Freight Policy](#)

[Returns Policy](#)

[Corrosion & Product Selection Notice](#)



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: A single-band clamp designed to provide 360° pressure and complete leak repair

Application: Works on Cast Iron, Ductile Iron, Steel, Asbestos Cement, Copper, Aluminum, PVC, HDPE, Fiberglass and other pipe types.

Key Features:

- Designed with "hot" soils in mind
- Standard widths 7.5" through 30"
- Can be used to repair pipe or join pipe ends
- Can be manufactured to odd size pipe O.D.'s
- All 304 Stainless Steel construction for corrosion resistance
- A 360° Gasket seal provides maximum support and reinforcement
- Keeper bar helps pull clamp around the pipe and closes the clamp during installation
- Range up to .40"
- Larger clamps have a greater range to help reduce inventory

Materials Specifications (subject to change):

BAND: Stainless Steel (Type 304)

LUGS: Stainless Steel (Type 304)

KEEPER BARS: Stainless Steel (Type 304)

GASKET: Nitrile (Buna N) to produce superior storage and performance characteristics while resisting water, acids, alkalies, most aliphatic hydrocarbon and other chemicals.

Temperature Range: -20°F to +180°F

BRIDGE PLATE: 304 Stainless Steel recessed flush and bonded to gasket

STUD BOLTS: Type 304 Stainless Steel Epoxy coated

NUTS: fluoropolymer coated to prevent galling

Also in metric sizes. HDPE applications require clamps with spring washers

Working Pressure: Up to 150 PSI

Pipe Applications:

Cast Iron, Ductile Iron, Asbestos Cement, PVC, HDPE, Steel, Copper, Fiberglass and other types of pipes

Sizes (in inches): 2, 2¼-2½, 3, 4, 4-5, 6, 8, 10, 12

REPAIR CLAMPS

FULL CIRCLE REPAIR CLAMP

261 ALL STAINLESS STEEL, FABRICATED LUGS, SINGLE BAND



SIZE (INCHES)	OD RANGE (INCHES)	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS						
		7.5	10	12.5	15	20	24	30
2	2.35-2.63	*	*	*	*	NA	NA	NA
2 1/4-2 1/2	2.70-3.00	*	*	*	*	NA	NA	NA
3	2.97-3.25	*	*	*	*	NA	NA	NA
	3.46-3.70	*	*	*	*	NA	NA	NA
3-4	3.73-4.00	*	*	*	*	NA	NA	NA
	3.96-4.25	*	*	*	*	NA	NA	NA
4	4.45-4.73	073-09310	*	073-09318	*	NA	NA	NA
4	4.74-5.14	073-09326	*	*	*	*	NA	NA
4-5	4.95-5.35	*	*	*	*	*	NA	NA
	5.22-5.62	*	*	073-09340	*	*	NA	NA
6	5.95-6.35	*	*		*	*	NA	NA
	6.56-6.96	073-09398	*	073-09406	*	*	*	*
	6.84-7.24	073-09426	*	073-09434	*	*	*	*
	7.05-7.45	073-09400	*	*	*	*	*	*
	7.45-7.85	*	*	*	*	*	*	*
8	7.95-8.35	*	*	*	*	*	*	*
	8.54-8.94	073-09534	*	073-09542	*	*	*	*
	8.99-9.39	073-09562	*	073-09570	*	*	*	*
	9.27-9.67	*	*	*	*	*	*	*
8-10	9.70-10.10	*	*	*	*	*	*	*
10	10.64-11.04	*	*	073-09654	*	*	*	*
	11.04-11.44	*	*	073-09682	*	*	*	*
	11.34-11.74	*	*	*	*	*	*	*
	11.75-12.15	*	*	*	*	*	*	*
10-12	12.00-12.40	*	*	*	*	*	*	*
12	12.62-13.02	*	*	*	*	*	*	*
	13.10-13.50	*	*	*	*	*	*	*
	13.40-13.80	*	*	*	*	*	*	*

* NON STOCK CALL JABO SUPPLY

ABOVE CLAMPS W/ LOW ALLOY BOLTS & NUTS

STAINLESS STEEL BOLTS & NUTS ARE AVAILABLE UPON REQUEST

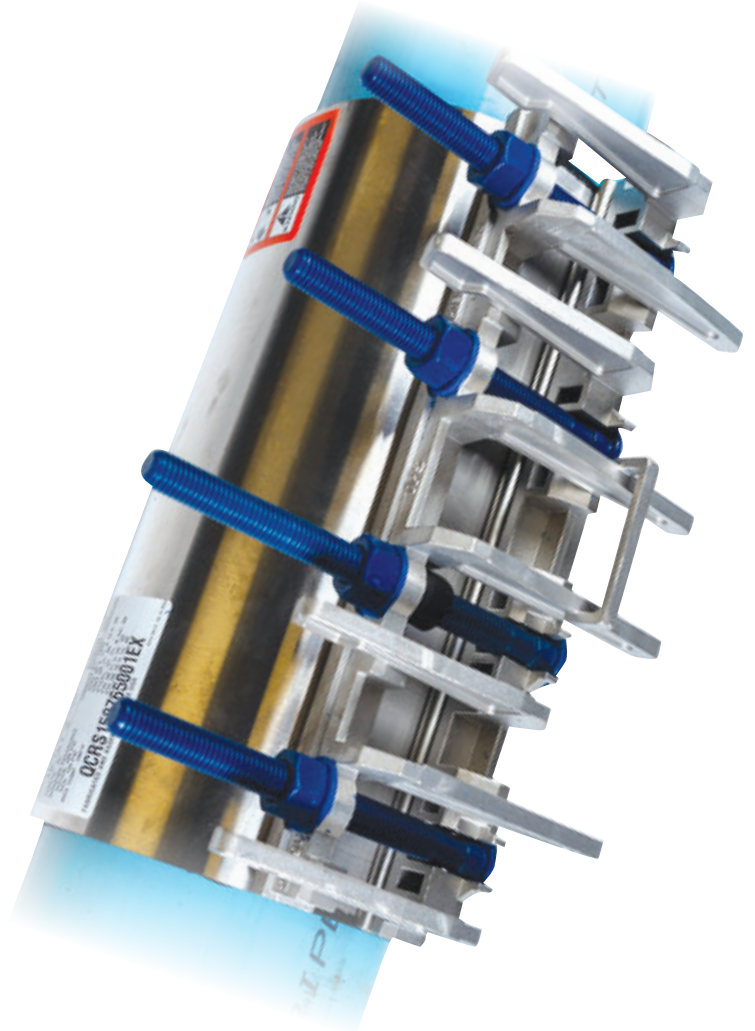
Quick-Cam[®] Repair Clamp

Double-Range Pipe Repair Clamp

Integrated handle for ease of handling
Semi-fixed bolts for trouble-free tightening

Patented gasket design seals under full or
reduced line pressure conditions

Wide range pipe coverage up to 0.9" repairs nearly
any type of pipe with one clamp



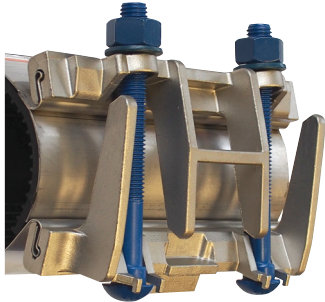
water & industrial

REPAIR CLAMPS

Quick Cam® Extended Range Clamp

Saves Time, Labor and Inventory Dollars

The Quick-Cam Repair Clamp features an industry leading range of fit 0.9" per clamp, allowing a substantial reduction in inventory taking the guess work out of sizes needed on your shelf. Our patented gasket seal system provides a seal under full or reduced pressure pipelines, and is ideal for repairing breaks, holes and splits in water, wastewater, and sewer lines.



Integrated Handle for Ease of Installation

- » All stainless steel construction or with epoxy coated ductile iron lugs
- » Available with CC or NPT outlets which utilize a T-drill process optimizing the strength of the joint of the outlet to the stainless-steel band
- » 360° seal on all common pipe materials including: Steel, Ductile Iron, Cast Iron, PVC, Asbestos Cement, and HDPE (SDR17 or thicker wall)



Quick-Cam Repair Clamps available in all stainless steel or optional E-Coated ductile iron lug system

Technical Details

Pressure Rating: Up to 200 psi maximum working pressures, up to 300 test pressure

Range: up to 0.9" range of fit per clamp

Temperature Rating: Up to 180°F

Gaskets: NSF-61/372 Approved NBR Rubber

Shell: Heavy Duty Gauge 18-8 Stainless Steel

Alignment Lugs: Heavy Duty ASTM A351 CF8 Grade 304 Cast or Optional Heavy Duty E-Coated ASTM A-536 Ductile Iron

Spanner Plate: Heavy Duty Gauge 18-8 Stainless Steel integral with gasket

Hardware: 304 Stainless Steel nuts, bolts and washers double coated with a Fluoropolymer coating to prevent galling. Optional Carbon Steel nuts and bolts (coated or bare) available for use with ductile iron lug system

Outlets: Outlet clamps with 1/2" - 2" NPT or CC Threads available

Pipe Line Content: Water and Sewerage *Pressure Rating up to 200 psi, hydrostatically tested up to 300 psi. Natural Gas *Pressure Rating up to 125 psi, pressure tested up to 190 psi up to 12" diameters only

Testing: Quick-Cam Repair Clamps are tested for 360° seal per AWWA C-230-16. The test is completed on a simulated 360° beam break test performed at 1.5 times the rated pressure on a test pipe designed with a 1/8" by 3/16" deep hydrostatically pressurized groove

Features:

- » Up to 0.9" range per single panel clamp
- » Up to 1.9" of range for double panel clamps
- » Patented Cam Lug system with integrated handle
- » Slide on- slide off lugs to ease installation with space limitations
- » Patented seal bead geometry with an o-ring seal bead system with deep mat gasket
- » Double o-ring seal under bridge plate provides best in class sealing capabilities
- » Non-Welded Lug to Band Attachment Design Reduces Corrosion Potential
- » Suitable for use on water, sewer, natural gas, and other petroleum based line contents.
- » Meets or exceed AWWA C-230 test requirements

NOTE: Product pressure rating, temperature rating and bolt torque can vary depending on the product diameter, type of connection, and the pipe material being utilized.

** Pressure rating, temperature rating, and bolt torque shown on the product label are the actual ratings of the individual product.*

REPAIR CLAMPS

Quick Cam Extended Range:

	Nominal Dia.	Extended Range (in.)	Widths	Range Repairs Pipe Diameters
Single Panel	3"	3.46-4.26	7-1/2, 10, 12, 15, 20, 24, 30"	CTS, IPS, DIP, PVC Pit Cast, AC 100/150/200
	4"	4.45-5.13	7-1/2, 10, 12, 15, 20, 24, 30, 48"	CTS, IPS, DIP, PVC Pit Cast
	4" o.s.	4.74-5.61	7-1/2, 10, 12, 15, 20, 24, 30, 48"	CTS, IPS, DIP, PVC Pit Cast, AC 100/150/200
	5"	5.50-6.20	7-1/2, 10, 12, 15, 20, 24, 30, 48"	PVC IPS, CTS
	6"	6.55-7.42	7-1/2, 10, 12, 15, 20, 24, 30, 48"	IPS, DIP, PVC Pit Cast, AC 100/150
	6" o.s.	6.84-7.65	7-1/2, 10, 12, 15, 20, 24, 30, 48"	DIP, PVC DIP, Pit Cast, AC 100/150/200
	8"	8.54-9.44	7-1/2, 10, 12, 15, 20, 24, 30, 48"	IPS, DIP, PVC DIP, Pit Cast
	8" o.s.	8.98-9.84	7-1/2, 10, 12, 15, 20, 24, 30, 48"	DIP, PVC DIP, Pit Cast, AC 100/150/200
	10"	10.64-11.46	10, 12, 15, 20, 24, 30, 48"	IPS, DIP, PVC Pit Cast
	10" o.s.	11.34-12.16	10, 12, 15, 20, 24, 30, 48"	Pit Cast, AC 100/150/200
	12"	12.62-13.56	10, 12, 15, 20, 24, 30, 48"	IPS, DIP, PVC, Pit Cast
	12" o.s.	13.65-14.42	10, 12, 15, 20, 24, 30, 48"	IPS, PVC IPS, AC 100/150/200
Double Panel Ranges		14.75-16.24	12, 15, 20, 24, 30, 36, 48"	IPS, PVC IPS, Pit Cast, AC 100
		15.87-17.37	12, 15, 20, 24, 30, 36, 48"	AC 150/200
		16.80-18.30	12, 15, 20, 24, 30, 36, 48"	IPS, DIP, PVC, Pit Cast, AC 100
		17.92-19.42	12, 15, 20, 24, 30, 36, 48"	AC 150/200
		18.88-20.35	12, 15, 20, 24, 30, 36, 48"	IPS, DIP, PVC, Pit Cast, AC 100/150/200
		19.89-21.38	12, 15, 20, 24, 30, 36, 48"	AC 150/200
		20.99-22.49	12, 15, 20, 24, 30, 36, 48"	DIP, PVC DIP, Pit Cast, AC 100/150/200
		21.87-23.36	12, 15, 20, 24, 30, 36, 48"	Pit Cast, AC 100/200
		22.65-24.15	12, 15, 20, 24, 30, 36, 48"	AC 150
		23.27-24.77	12, 15, 20, 24, 30, 36, 48"	IPS, PVC IPS, AC 200
		24.94-26.43	12, 15, 20, 24, 30, 36, 48"	DIP, PVC DIP, Pit Cast
	25.88-27.38	12, 15, 20, 24, 30, 36, 48"	Pit Cast, AC 100	
Triple Panel Ranges		27.45-29.70	12, 15, 20, 24, 30, 36, 48"	AC 150
		29.03-31.28	12, 15, 20, 24, 30, 36, 48"	IPS, PVC IPS, AC 200
		31.79-34.03	12, 15, 20, 24, 30, 36, 48"	DIP, PVC DIP
		35.42-37.66	12, 15, 20, 24, 30, 36, 48"	IPS, PVC IPS
		36.84-39.08	12, 15, 20, 24, 30, 36, 48"	DIP, PVC DIP
Four Panel Range		43.68-46.67	12, 15, 20, 24, 30, 36, 48"	DIP, PVC DIP
		48.98-51.97	12, 15, 20, 24, 30, 36, 48"	DIP, PVC DIP
Five Panel Range		56.99-60.73	12, 15, 20, 24, 30, 36, 48"	DIP, PVC DIP

Note: Contact factory for clamp sizes not shown on this chart
 Note: Pressure rating and bolt torque shown on product label are actual rating

REPAIR CLAMPS

Quick Cam® RR (Regular Range) Repair Clamp

Technical Details

Pressure Rating: Up to 150 psi maximum working pressure

Temperature Rating: Up to 180°F

Gasketing: NSF 61 approved SBR Rubber approved for water and sewer service

Spanner Plate: Heavy Gauge 18-8 stainless steel

Lug Material: Type 304, 18-8 stainless steel or E-Coated Ductile Iron

Shell Material: Heavy Gauge Type 304, 18-8 stainless steel

Available Widths: 7.5, 10, 12, 15, 20, and 24" widths

Hardware: 304 Stainless steel Bolts and Washers with heavy double coated or coated carbon steel available upon request

Testing: per AWWA C-230-16 on a full 360-degree beam break

Outlets: Available in ½" to 2" NPT or CC threads

Note: Pressure, temperature and bolt torque can vary depending upon the product diameter, pipe material and type of connection.

Note: Always refer to instructions on product label. Repair Clamps must not be re-used until refurbished with new bolts and gaskets at the factory.

Caution: Quick-Cam RR is not to be used on HDPE Pipe Material.

Nominal Dia.	Regular Range (in)	Widths	Range Repairs Pipe Diameter
2"	2.35-2.65		IPS, IPS, Pit Cast
2-1/2"	2.70-3.00		IPS
3"	3.46-3.70		IPS
4"	4.75-5.14		CTS, IPS, Pit Cast
6"	6.84-7.24		DIP, Pit Cast
6" o.s.	7.05-7.45	7-1/2, 10,12, 15,20,24"	Pit Cast, AC 100/150/200
8"	8.99-9.39		IPS, DIP, Pit Cast
8" o.s.	9.27-9.67		Pit Cast, AC 100/150/200
10"	11.04-11.44		DIP, Pit Cast
12" u.s.	12.62-13.02		IPS
12"	13.10-13.50		DIP, Pit Cast
12" o.s.	14.00-14.40		IPS, AC 100/150/200

The Quick Cam® Emergency Repair Clamp Kit

The Emergency Repair Kit contains all required components and instructions that allow for easily joining and combination of various panels to make pressure rated repairs through 36" diameter. Repairs above 36" can also be made, however, they do not carry a pressure rating and are intended for large temporary repairs or gravity applications.

WARNING This is a non-restraining product. If pipe pullout can occur, proper anchoring of the pipe joint is required. Failure to anchor the pipe could result in the escape of line content, and may cause property damage, serious injury or death

SEWER PIPE RANGES		
4"	4.10	4.90
6"	6.20	7.00
8"	8.35	9.15
10"	10.50	11.30

WARNING This product is intended for use on HDPE SDR-17 or greater wall thicknesses, and shall be used for buried service only. The DPS Triple Tap product line is not approved for above ground applications on HDPE or other plastic pipe



Dresser Coupling & Repair
 1760 Haskell Road
 Olean, NY 14760
 P: 716-372-0160
 F: 716-372-1767
www.dresserutility.com/water



www.dresserutility.com

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REPAIR CLAMPS

REPAIR CLAMPS



QUICK CAM EXTENDED REPAIR CLAMP
Saves Time, Labor and Inventory Dollars



SIZE (INCHES)	OD RANGE (INCHES)	SIZE (INCHES)							
		7.5	10	12	15	20	24	30	48
3	3.46-4.26	*	*	*	*	*	*	*	*
4	4.45-5.13	074-54192	*	074-54456	074-55244	*	074-56028	*	*
4 os	4.74-5.61	*	*	*	*	*	*	*	*
6	6.55-7.42	074-54260	*	074-54652	074-55432	*	*	*	*
6 os	6.84-7.65	*	*	*	*	*	*	*	*
8	8.54-9.44	074-54300	*	074-54772	074-55560	074-55996	074-56064	*	*
8 os	8.98-9.84	*	*	*	*	*	*	*	*
10	10.64-11.46	*	*	074-54896	074-55684	*	*	*	*
10 os	11.34-12.16	*	*	*	*	*	*	*	*
12	12.62-13.56	*	*	074-55016	074-55808	*	*	*	*
12os	13.65-14.42	*	*	*	*	*	*	*	*
Double Panel Ranges	14.75-16.24	*	*	*	*	*	*	*	*
	15.87-17.37	*	*	*	*	*	*	*	*
	16.80-18.30	*	*	*	*	*	*	*	*
	17.92-19.42	*	*	*	*	*	*	*	*
	18.88-20.35	*	*	*	*	*	*	*	*
	19.89-21.38	*	*	*	*	*	*	*	*
	20.99-22.49	*	*	*	*	*	*	*	*
	21.87-23.36	*	*	*	*	*	*	*	*
	22.65-24.15	*	*	*	*	*	*	*	*
	23.27-24.77	*	*	*	*	*	*	*	*
	24.94-26.43	*	*	*	*	*	*	*	*
25.88-27.38	*	*	*	*	*	*	*	*	

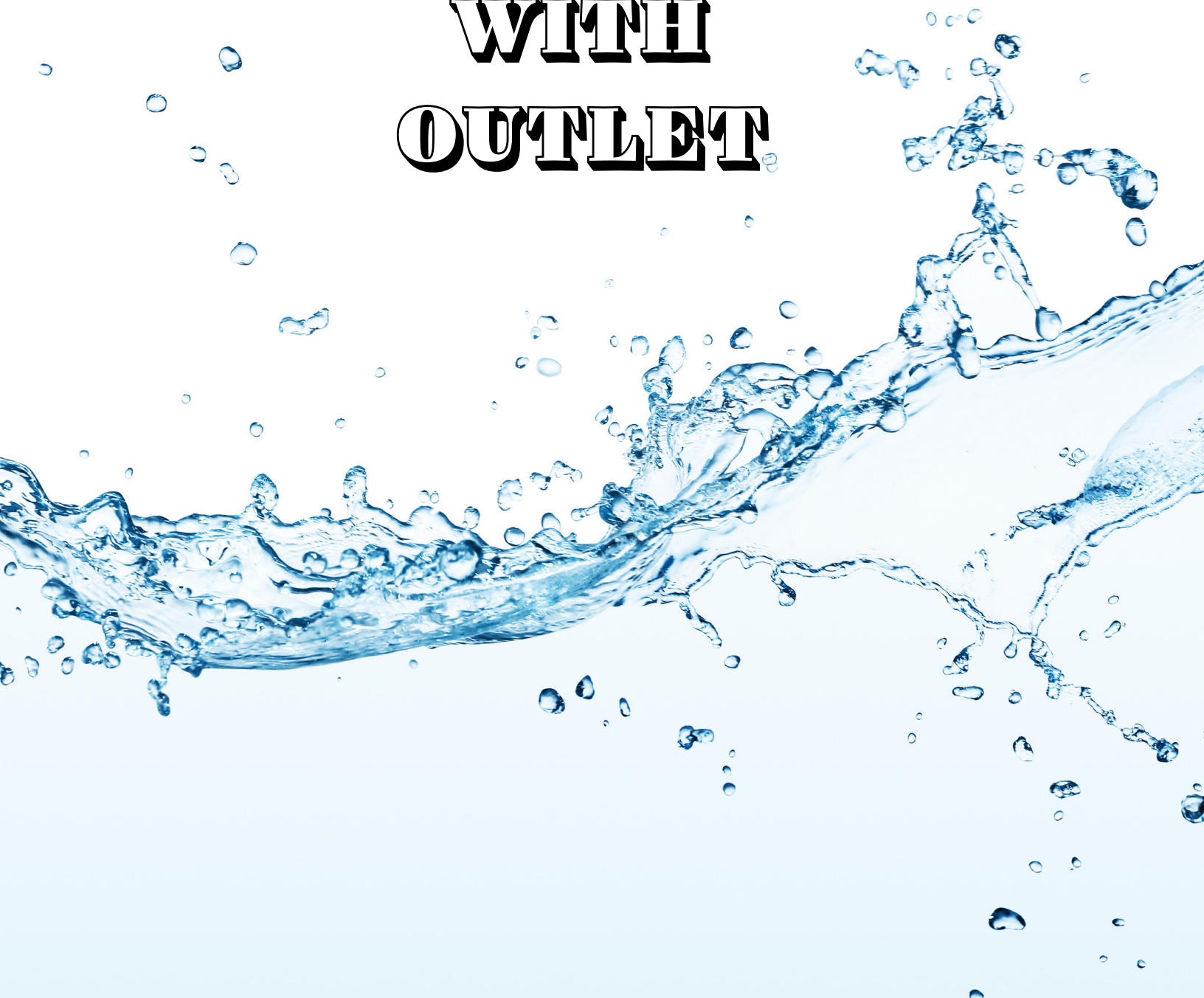
***NON STOCK CALL JABO SUPPLY**

OS -Over Sized Normally does not catch IPS but will catch AC Pipe (Check OD)

All stainless steel construction or with epoxy coated ductile iron lug

FULL CIRCLE REPAIR CLAMPS

**WITH
OUTLET**



REPAIR CLAMPS



Tapped Full Circle[®] Repair Clamp Single Band

238

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)
[Sales Terms & Conditions](#)
[Freight Policy](#)
[Returns Policy](#)
[Corrosion & Product Selection Notice](#)



NSF/ANSI 61
NSF/ANSI 372



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description:

A tapped clamp to repair damaged pipe at broken or torn out service connections or branch lines.

Application: Service connection or branch line connections.

Key Features:

- Stainless Steel outlet welded to band and features a choice of NPT, CC, AWWA or BSP threads
- Removable lugs allow installation in tight spaces
- Maximum support and reinforcement with 360° coverage
- Drop-in bolts in the joint to be opened help ease installation
- A wide variety of outlet sizes and thread types available to meet demand
- Lugs have a Fusion-Bonded Flexi-Coat[®] Epoxy Finish for great corrosion resistance
- One starter (longer) bolt minimum per clamp thru 4.5" O.D. size to help with installation
- Range up to .40"
- Pressure ratings up to 300 PSI

Materials Specifications (subject to change):

BAND: Stainless Steel Type 304

LUGS: Ductile Iron ASTM A536, 80-55-06

GASKET: Nitrile (Buna N) compounded to produce superior storage and performance characteristics, while resisting water, acids, alkalis, most (aliphatic) hydrocarbon and many other chemicals

Temperature Range: -20°F to 180°F. Consult manufacturer for specific applications and other service temperatures

BRIDGE PLATE: 304 Stainless Steel recessed flush and bonded into gasket

BOLTS: High strength low alloy Steel with heavy semi-finished hexagon nuts. Per ANSI B. 18.2.2. Optional 304 Stainless Steel bolts with fluoropolymer coated nuts to prevent galling

NOTE: Also available in metric sizes. HDPE applications will require clamps with spring washers.

Pipe Applications: Cast Iron, Ductile Iron, Asbestos Cement, Steel, PVC, HDPE, and most other types of pipe

Sizes (in inches):

- 3, 4, 6, 8, 10, 12 offered with ¾" or 1" NPT taps
- 4, 6, 8, 10, 12 offered with 1¼", 1½" or 2" NPT taps
- 3, 4, 6, 8, 10, 12 offered with ¾", 1", 1¼", 1½", or 2" CC taps

REPAIR CLAMPS

238 FULL CIRCLE REPAIR CLAMP WITH OUTLET

Single Band

CC OUTLET 3-8" PIPE SIZE



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	CC OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
3	7.5	3.46-3.70	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12.5		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
3-4	7.5	3.73-4.00	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12.5		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
3	7.5	3.96-4.25	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12.5		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
4	7.5	4.45-4.73	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		NA	NA	*	*	*
4	7.5	4.74-5.14	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		073-04954	073-04962	*	*	*
	15		NA	NA	*	*	*
6	7.5	6.56-6.96	*	*	*	*	*
	10		NA	NA	*	*	*
	12		073-05374	*	*	*	*
	15		NA	NA	*	*	*
6	7.5	6.84-7.24	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	073-05382	*	*	*
	15		NA	NA	*	*	*
8	7.5	8.54-8.94	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		NA	NA	*	*	*
8	7.5	8.99-9.39	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		073-05778	073-05786	*	*	073-05798
	15		NA	NA	*	*	*

***JABO SUPPLY NON STOCK**

REPAIR CLAMPS

238 OUTLET CLAMP

CC OUTLET 10-12" PIPE SIZE



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	CC OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
10	7.5	10.64-11.0	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
10	7.5	11.04-11.44	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
12	7.5	12.62-13.02	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
12	7.5	13.10-13.50	*	*	*	*	*
	10		*	*	*	*	*
	12.5		073-06386	073-06394	*	*	*
	15		*	*	*	*	*

*JABO SUPPLY NON STOCK

NPT OUTLET 3" -SMALL DIAMETER 4"



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	NPT OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
3	7.5	3.46-3.70	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
3-4	7.5	3.73-4.00	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
4	7.5	3.96-4.25	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
4	7.5	4.45-4.73	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		NA	NA	*	*	*

*JABO SUPPLY NON STOCK

REPAIR CLAMPS

REPAIR CLAMP WITH OUTLET

238 SINGLE BAND WITH OUTLET

NPT OUTLET 4"-12"



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	NPT OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
4	7.5	4.74-5.14	*	*	*	*	*
	10		073-04902	NA	*	*	*
	12.5		*	*	*	*	073-04974
	15		073-05010	NA	*	*	*
6	7.5	6.56-6.96	*	*	*	*	*
	10		NA	NA	*	*	*
	12		*	*	*	*	*
	15		073-05218	NA	*	*	*
6	7.5	6.84-7.24	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	073-05394
	15		NA	NA	*	*	*
8	7.5	8.54-8.94	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		073-05630	NA	*	*	073-05650
8	7.5	8.99-9.39	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		NA	NA	*	*	*
10	7.5	10.64-11.0	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
10	7.5	11.04-11.44	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	073-06102
	15		*	*	*	*	*
12	7.5	12.62-13.02	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
12	7.5	13.10-13.50	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	073-06402
	15		*	*	*	*	*

***JABO SUPPLY NON STOCK**



REPAIR CLAMPS Tapped Full Circle[®] Repair Clamp

All Stainless Steel, Fabricated Lugs, Single Band

264

IMPORTANT LINKS

Click appropriate words to go to:

- Standard Limited Warranty
- Sales Terms & Conditions
- Freight Policy
- Returns Policy
- Corrosion & Product Selection Notice



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: A single-band clamp designed to provide 360° pressure and complete leak repair

Application: For leaks at service outlets.

Key Features:

- Standard widths 7.5" through 30"
- Can be used to repair pipe or join pipe ends
- Can be manufactured to odd size pipe O.D.'s
- All 304 Stainless Steel construction for corrosion resistance
- A 360° Gasket seal provides maximum support and reinforcement
- A wide variety of outlet sizes and thread types available to meet demand
- Keeper bar helps pull clamp around the pipe and closes the clamp during installation
- Range up to .40"
- Larger clamps have a greater range to help reduce inventory

Materials Specifications (subject to change):

BAND: 304 Stainless Steel

LUGS: 304 Stainless Steel

KEEPER BARS: 304 Stainless Steel

GASKET: Nitrile (Buna N) to produce superior storage and performance characteristics while resisting water, acids, alkalis, most (aliphatic) hydrocarbon and other chemicals.

Temperature Range: -20° F to +180° F

BRIDGE PLATE: 304 Stainless Steel recessed flush and bonded to gasket.

STUD BOLTS: 304 Stainless Steel Epoxy coated

NUTS: fluoropolymer coated to prevent galling

Working Pressure: Up to 150 PSI

Pipe Applications: Cast & Ductile Iron, Asbestos Cement, PVC, HDPE*, Steel, Copper, Fiberglass and other types of pipes

**HDPE applications will require clamps with spring washers.*

Sizes (in inches): 3, 4, 6, 8 (Also available in metric sizes). ¾", 1", 1 ¼", and 2" NPT and CC tap sizes.

Bolt Numbers

BAND WIDTH INCHES	NUMBER OF STUDS	STUD SIZES
7.5	2	5/8" x 7"
10	3	
12.5	3	
15	5	

REPAIR CLAMPS

REPAIR CLAMP WITH OUTLET

264 All Stainless Steel, Fabricated Lugs, Single Band

264 FULL CIRCLE WITH CC OUTLET



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	CC OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
3	7.5	3.46-3.70	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
3-4	7.5	3.73-4.00	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
4	7.5	3.96-4.25	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
4	7.5	4.45-4.73	073-10454	*	*	*	*
	10		*	*	*	*	*
	12.5		073-10510	*	*	*	*
	15		*	*	*	*	*
4	7.5	4.74-5.14	073-10562	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
6	7.5	6.56-6.96	*	*	*	*	*
	10		*	*	*	*	*
	12		*	*	*	*	*
	15		*	*	*	*	*
6	7.5	6.84-7.24	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
8	7.5	8.54-8.94	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
8	7.5	8.99-9.39	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*

*JABO SUPPLY NON STOCK

REPAIR CLAMPS

FULL CIRCLE REPAIR CLAMP WITH OUTLET

264 All Stainless Steel, Fabricated Lugs, Single Band

264 FULL CIRCLE WITH NPT OUTLET



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	NPT OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
3	7.5	3.46-3.70	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
3-4	7.5	3.73-4.00	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
4	7.5	3.96-4.25	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
4	7.5	4.45-4.73	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
4	7.5	4.74-5.14	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	073-10646
	15		*	*	*	*	*
6	7.5	6.56-6.96	*	*	*	*	*
	10		*	*	*	*	*
	12		*	*	*	*	*
	15		*	*	*	*	*
6	7.5	6.84-7.24	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
8	7.5	8.54-8.94	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
8	7.5	8.99-9.39	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*

*JABO SUPPLY NON STOCK

REPAIR CLAMPS

TPS WIDE RANGE SADDLES AND OUTLET CLAMPS

PIPE APPLICATION: WIDE RANGE UNIVERSAL, MAY BE USED ON MOST PIPES

QUICK CAM REPAIR CLAMP WITH OUTLET

CC OUTLET



JABO #	PIPE SIZE	OD RANGE	OUTLET SIZE	
			LENGTH	
074-54196	4"	4.72-5.13	3/4"	7.5
074-54197			1"	7.5
*	6"	6.55-7.42	3/4"	7.5
074-54269			1"	7.5
074-54812	8"	8.54-9.44	3/4"	12"
074-54780			1"	12"

ADDITIONAL SIZES, OD RANGE, OUTLETS AND LENGTH AVAILABLE UPON REQUEST

BELL JOINT LEAK CLAMPS

**BY
PRODUCT**



REPAIR CLAMPS



Bell Joint Leak Clamp

274

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)
[Sales Terms & Conditions](#)
[Freight Policy](#)
[Returns Policy](#)
[Corrosion & Product Selection Notice](#)



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: Bell Joint Leak Clamp.

Application: Sealing and/or preventing leaks on Cast Iron bell and spigot caulked or rubber ring joints.

Key Features:

- Designed to fit both caulked or rubber ring joints in virtually all classes and brands of Cast Iron or Ductile Iron pipe within same nominal size
- Suitable for use on C900 and C905 PVC through 24" with the use of longer bolts-DR 18 minimum
- Kee-Lok gasket design eliminates need for field cutting gaskets—the ends are easily joined—no need of staples, tongs, tape or other gadgets to hold the gasket ends together (not available in 14", 30" or 36")
- Flexi-Coat® Fusion-Bonded Epoxy finish standard for great corrosion resistance
- Can be used to prevent leaking bell gaskets as well as repairing them
- Can be installed without interrupting the flow of the pipeline
- Front and back pieces are interchangeable
- All Bell-Spigot pieces are identical, making installation easier

Materials Specifications (subject to change):

BELL-SPIGOT RING: Ductile Iron per ASTM S36 or Carbon Steel on 14" size only—ASTM A36

GASKET: Nitrile (Buna N) – Compounded to resist oil, natural gas, acids, alkalis, most (aliphatic) hydrocarbon, water and other chemicals

BOLTS & NUTS: High strength, low alloy Steel with heavy, semi-finished hexagon nuts to ANSI-A21.11 standards. Two inch clamps have electro-galvanized Steel studs.

Temperature Range: -20°F to +180°F

FINISH: Flexi-Coat®, Fusion-Bonded Epoxy Finish

Working Pressure: 150 PSI (water).

Pipe Applications: Ductile Iron, Cast Iron

Sizes (in inches): 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 30, 36

REPAIR CLAMPS

BELL JOINT LEAK CLAMP

274 SMITH BLAIR DI / C900 & C905

Ductile Iron Pipe / C900 & C905 PVC



SIZE / OD RANGE		SHORT BELL				LONG BELL			
		BOLT SIZE (INCHES)				BOLT SIZE (INCHES)			
SIZE	OD RANGE	BOLT TYPE		BOLT SIZE & #		BOLT TYPE		BOLT SIZE & #	
(INCHES)	(INCHES)	ALLOY	STAINLESS	**BOLT SIZE	#BOLTS	ALLOY	STAINLESS	***BOLT SIZE	#BOLTS
2+	2.5	*	*	1/2 x 7	4	NA	NA	NA	NA
3+	3.80-3.96	*	*	5/8 x 9	4	NA	NA	NA	NA
4+	4.80-5.00	073-12062	073-12066	5/8 x 9	4	*	*	5/8 x 17	4
6	6.90-7.10	073-12070	073-12074	5/8 x 9	4	*	*	5/8 x 17	4
8	9.05-9.30	073-12078	073-12082	5/8 x 10 1/2	6	*	*	5/8 x 17	6
10	11.10-11.40	073-12086	073-12090	5/8 x 10 1/2	6	*	*	5/8 x 17	6
12	13.20-13.50	073-12094	073-12098	5/8 x 11	6	*	*	5/8 x 17	6
14*	15.3	*	*	5/8 x 11	8	*	*	5/8 x 17	8
14*	15.65	*	*	5/8 x 13	8	*	*	5/8 x 17	8
16	17.40-17.80	*	*	5/8 x 13	9	*	*	5/8 x 25	9
18	19.50-19.92	*	*	5/8 x 13	12	*	*	5/8 x 25	12
20	21.60-22.06	*	*	5/8 x 13	12	*	*	5/8 x 25	12
24	25.80-26.32	*	*	5/8 x 17	12	*	*	5/8 x 25	12
30†	31.74-32.74	*	*	5/8 x 17	15	*	*	5/8 x 27	15
36†	37.96-38.70	*	*	5/8 x 17	18	*	*	5/8 x 27	18
†Not recommended for PVC pipe		*Non Stock Call Jabo Supply				*Non Stock Call Jabo Supply			
		Short Bell = Studs				*Long Bell = 12" of Threads			
•Available with Bias Cut Gasket Only									



TPS Ultra-Sleeve®



**Up To
200 PSI
Pressure**



**Universal
Pipe Types**



**Reduce
Time
On Job**

Super Range Joint Repair

For Encapsulation and Repair of Split Bells, Leaking Joints or Couplings on IPS, DIP, CIP, PVC Joints, and Asbestos Cement Collars

One sleeve fits all bells in a nominal diameter



water & industrial

REPAIR CLAMPS

Ultra-Sleeve® For Repair of Most Types of Joints



At Dresser Pipeline Solutions, we are dedicated to providing innovative products designed to save time, labor and inventory dollars in the water and wastewater industries.

The latest entry into our ever-growing product portfolio is the Ultra-Sleeve Bell Joint Repair Product. The Ultra-Sleeve Bell Joint Encapsulation Sleeve is the ideal product for the repair of a split bells, leaking couplings, old repair clamps or other types of joints.

This unique sleeve eliminates the need to shut down the water main, saving on time and repair operations. The sleeve is relatively light in weight, has preinstalled side-bar gaskets and an easy to install butt gasket on the end gland. Distinctive design eliminates having to tighten end gland bolts, allowing for quicker assembly. No need to trim or cut gaskets. Simply piece each half together and tighten the bolts for a quick, permanent repair. Easy to follow instructions included in every sleeve.

Ultra-Sleeve Exclusive:

- » Wide Range – One sleeve easily covers CIP/DIP/PVC bells, most couplings with two or more bolts and asbestos cement pipe collars/couplings
- » Easy to Install – Two Pieces, Easy to Reach Starter Bolts: Tighten the Side Bolts With Standard Wrench. Always follow the directions included with the product.
- » Eliminate the Need for a Bolted End Gland (Saving Time and Labor During Installation)
- » Cost Effective – One Sleeve Works on Multiple Pipe Classes (Works on AC, DIP, CIP, IPS, PVC Diameters and more)
- » Rigid Construction with Lifting Eyes to assist in installation
- » No Need to Shut Off Water Main: Use as a Coupling to Join Pipe Ends of the Same Diameter or Use for a 360 Degree Encapsulation of the Pipe
- » For Below Ground Use (for Special Applications call Customer Service)



Specifications:

- » Working Pressures up to 200 psi (Tested to 300 psi) Working Pressure is Determined by the Actual Diameter of the Pipe
- » Qualification Tested to 1.5X Working Pressure
- » Gasket Material: NSF-61 Approved NBR Rubber for Water and Sewer services
- » Temperature: Maximum Continuous Temperature at 80° F
- » Shell constructed of Cast Ductile Iron or carbon steel for larger diameters
- » Nuts, Bolts and Washers: 18-8 Grade 304 Stainless
- » Steel Bolts and 304 Stainless Nuts Coated with Fluoropolymer Coating to Prevent Galling
- » Coating – Minimum 10 Mil Fusion-Bonded Epoxy (NSF-61 Compliant)
- » Equipped with NPT Tapped Vent Plugs on Top and Bottom Shells
- » Test Port Plugs and Lifting Eye Included
- » Perimeter Bolting and Gasket System (no end glands to tighten)



Patented Layered Gasket System for Easy Sizing to the Pipe (Up to 1.3" Total Range in 4-12" Sizes)

Pressure rating, temperature rating, and bolt torque shown on product label are the actual ratings for each individual product.

REPAIR CLAMPS

Technical Specifications:

Nom. Diameter	Total Range	Inner Layer	Pipe Classes	Outer Layer	Pipe Classes
2"	2.35 to 3.13	2.35-2.78	IPS (2.35), CI (2.50)	2.78-3.13	
4"	4.45 to 5.61	4.45-5.10	IPS (4.50), DI (4.80) CI (5.00), AC (4.64-5.07)	5.12-5.61	AC (5.14-5.57)
6"	6.55 to 7.65	6.55-7.15	IPS (2.35), CI (2.50)	7.15-7.65	AC (7.15-7.60)
8"	8.54 to 9.84	8.54-9.22	IPS (2.35), CI (2.50)	9.25-9.84	AC (9.27-9.79)
10"	10.64 to 11.46	10.64-11.15	IPS (2.35), CI (2.50)	11.15-11.46	CI (11.40), AC (11.24-11.30)
10" o.s.	11.34 to 12.16	11.34-11.71	IPS (2.35), CI (2.50)	11.71-12.16	AC (11.77-12.12)
12"	12.62 to 13.56	12.62-13.26	IPS (2.35), CI (2.50)	13.15-13.56	CI (13.50), AC (13.37-13.44)
12" o.s.	13.42 to 14.45	13.42-13.92	CI (13.50) AC (13.42-13.92)	14.00-14.45	AC (14.04-14.38)
16"	17.32 to 17.45	Single Layer Only	DIP		
16" o.s.	17.72 to 17.85	Single Layer Only	CIP		
20"	21.52 to 21.65	Single Layer Only	DIP		
20" o.s.	21.98 to 22.11	Single Layer Only	CIP		
24"	25.72 to 25.85	Single Layer Only	DIP		
24" o.s.	26.24 to 26.40	Single Layer Only	CIP		

Gasket Ranges are Clearly Defined on Product Labeling. Always verify the Range by Measuring the Pipe.

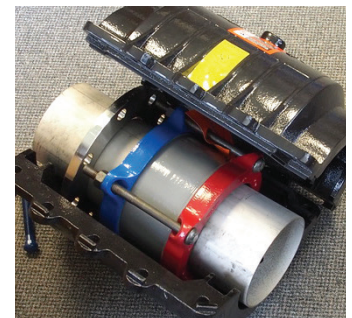
Working Pressure Ratings up to 200 PSI. For Specific Working Pressure by Size or Sizes Above 24" Consult Factory

Application Note:

Ultra-Sleeves may be provided to meet custom application needs. Contact DPS Customer Service for custom application requirements. *Individual product labeling will specify product capabilities.*

Materials of Construction:

- Body/Shell:** ASTM A-536 Gr 65-45-12
ASTM A-36
- Coating:** MIN 10 mil thick NSF-61 Approved Fusion Bonded Epoxy Coating
- Sealing Gaskets:** Nitrile Butadiene Rubber (NBR) Approved ANSI/NSF-61 (4"-12" Sizes) EPDM rubber Approved ANSI/NSF - 61 (16"-24" Sizes)
- Bolts:** Oval Neck track head per ANSI/ASME B18.10
5/8-11 UNC Rolled Thread
18-8 Type 304 Stainless Steel per ASTM A-193 Grade B8
Finish: Fluoroelastomer coating.
- Nuts:** Heavy Hex Nut 5/8-11 UNC Rolled Thread
Type 316 High Temp Stainless Steel per ASTM A-194 Grade 8
Finish: Fluoroelastomer coating to prevent galling.
- Washers:** Heavy Duty 5/8 Inch Washer
Material 18-8 Type 304 Stainless Steel
Fluoroelastomer coating to prevent galling.



REPAIR CLAMPS

Pressure Rating:

ULTRA-SLEEVE® Bell Joint Repair Sleeves when properly installed are capable of working pressures as shown on the chart below, for water and sewer applications.

Nominal Size	Range	Working Pressure	
		IPS Diameters	DI, PIT CAST, AC Diameters
4"	4.45-5.61	200	200
6"	6.55-7.65	200	200
8"	8.54-9.84	200	200
10"	10.64-11.46	175	200
10" OS	11.34-12.16	175	200
12"	12.62-13.56	175	200
12" OS	13.42-14.45	175	200
16"	17.32-17.45	-	150
16" OS	17.72-17.85	-	150
24"	25.72-25.85	-	150
24" OS	26.24-26.40	-	150

For bolt torque requirement, temperature rating, and pressure rating, always refer to product label and installation instructions.

CONTACT FACTORY for sizes above 24"

Note: Pressure rating shall not exceed the pressure rating of the pipe on which the sleeve is installed. For any particular installation, the allowable working pressure will be determined by the size of pipe, type of pipe, condition of the pipe, service conditions, environmental conditions, and installation workmanship. Consult the factory for specific information regarding application and working pressure.

Application Note:

Ultra-Sleeves may be provided to meet custom application needs. Contact DPS Customer Service for custom application requirements. *Individual product labeling will specify product capabilities.*

Applicable Standards:

AWWA C-110/111

ANSI A21.10/21.11

ASTM A-36 (for Steel components)

ASTM A-536 (for Ductile Iron components)

NSF/ANSI Standard 61 – Drinking Water Systems Components

ASTM D2000-12 – Standard Classification system for rubber products

ASME B1.20.1 Pipe Treads, General Purpose, Inches



Dresser Pipeline Solutions
 1760 Haskell Road
 Olean, NY 14760
 P: 716-372-0160
 E: tps@dresserutility.com
 www.dresserutility.com/water



www.dresserutility.com

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REPAIR CLAMPS

BELL JOINT LEAK CLAMP*DRESSER ULTRA SLEEVE*

One Sleeve Fits All Hubs and Bells, Leaking Joints on IPS, DIP, CIP and PVC Joints, Asbestos Cement Collars. Also encapsulates old couplings, repair clamps and other old leaking repair devices. Nearly all pipe diameters are covered by one sleeve in the 4" to 12" diameters while providing up to 1.3" of range and 4 degrees of dynamic deflection per end. Diameters covered include IPS, DIP, CIP, and AC (asbestos cement diameters including class 200).

JABO PART#	SIZE	OD
074-58555	2"	2.35-3.13
074-58556	4"	4.45-5.61
074-58560	6"	6.55-7.65
074-58564	8"	8.54-9.84
074-58568	10"	10.64-11.46
074-58570	10"	11.34-12.16
074-58572	12"	12.62-13.56
074-58574	12"	13.42-14.45

WILL ENCAPSULATES MOST REPAIR CLAMPS INCLUDING HYMAX

SAVES TIME AND MONEY BY NOT HAVING TO SHUT WATER OFF TO MAKE THE REPAIR

RACHET STRAPS

BY PRODUCT



Jabo has a solution for your high-pressure leaks.

“Save money and Down Time”

QFC Quick Fix Pipe Clamps

Quick Fix Clamp Eliminates Downtime for Leak Repair

The Quick Fix pipe repair clamp from Reparex, provides a quick, durable fix for wear-generated leaks in pneumatic conveying lines and elbows carrying abrasive materials. A Quick Fix clamp consists of tough, wear-resistant alumina ceramic tiles encased in a flexible polyurethane pad, and includes a strong nylon strap with a hand-operated tightening ratchet. Simply place the pad over the hole in the pipe and tighten the strap to stop the leak. The pad conforms to the pipe diameter, and the ceramic tiles provide high wear resistance and added rigidity.

Unlike other repair systems that can require hours for application and curing of epoxy -- and usually require shutdown of the conveying system -- the Quick Fix clamp can be applied in minutes with little or no interruption of operations. The clamps are effective in both dry and wet applications. Preparation is minimal: users need only remove scale from the pipe and wipe it clean. No adhesive or additional sealing media is necessary.

For holes up to **3/8" (10 mm)** in diameter, the clamps can contain pressure as high as **290 psi (2000 Kpa)**. For holes **3/8" and 3/4" (10-20 mm)**, **pressure capability is 145 psi (1000 Kpa)**.

Clamps are available for three ranges of pipe diameter: 3 5/8" – 8" (90-200 mm), 6" – 12" (150-300 mm), and 12" – 20" (300-500 mm). Larger sizes are available on request.

The Quick Fix pipe repair clamp from Reparex, Inc., Latrobe, Pa., provides a quick, durable fix for wear-generated leaks in pipes carrying abrasive materials.

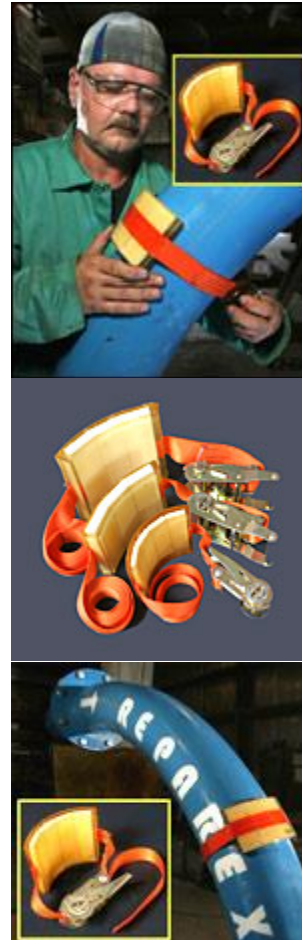
Call your Jabo Customer Service Rep today for Pricing

Below are the Jabo part numbers

950-10000 (Small Size) 3 5/8-8" Pipe Size

950-10002 (Med Size) 6"-12" Pipe Size

950-10004 (Large Size) 12"-20" Pipe Size



CTS PIPE

QUICK REFERENCE GUIDE

IF TYPE OF PIPE IS KNOWN



REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

CTS PIPE CLAMP

244 REDI REPAIR CLAMP

CTS



JABO PART#	SIZE	OD	LENGTH
073-07746	1/2"	0.63	3
073-07754			6
073-07786	3/4"	0.88	3
073-07794			6
073-07826	1"	1.13	3
073-07834			6
073-07866	1 1/4"	1.38	3
073-07874			6
073-07882	1-1/2"	1.63	3
073-07890			6
073-07946	2"	2.13	3
073-07954			6
# ELECTRO-GALVANIZED BOLTS			
STAINLESS STEEL BOLTS ARE AVAILABLE UPON REQUEST (NON STOCK)			
244 FOR CTS IS NOT AVAILABLE LONGER THAN 6"			

IPS PIPE REPAIR CLAMPS

QUICK REFERENCE GUIDE

IF TYPE OF PIPE IS KNOWN



REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

IPS QUICK GUIDE

244 REDI CLAMP FOR SMALL DIAMETER IPS PIPE



FULL CIRCLE

SIZE INCHES	OD RANGE	LENGTH W/ LOW ALLY BOLTS & NUTS		
		3	6	12
1/2"	.84	073-07762	073-07770	*
3/4"	1.05	073-07802	073-07810	*
1"	1.32	073-07842	073-07850	073-07858
1-1/4"	1.66	073-07898	073-07906	073-07914
1-1/2"	1.90	073-07922	073-07930	073-07938
2"	2.38	074-07962	073-07970	073-07978
*NON STOCK CALL JABO SUPPLY				

245 REDI CLAMP FOR IPS PIPE



NOT FULL CIRCLE

SIZE (INCHES)	OD RANGE (INCHES)	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS			
		3	6	9	12
1/2	0.84		073-07994	NA	NA
3/4	1.05	073-08002	073-08010	NA	NA
1	1.32	073-08018	073-08026	NA	NA
1-1/4	1.66	073-08034	073-08042	NA	NA
1-1/2	1.90	073-08050	073-08058	NA	NA
2	2.38	073-08082	073-08090	*	*
2-1/2	2.88	073-08114	073-08122	*	*
3	3.50	073-08178	073-08186	*	*
	4.00	*	*	*	*
3-1/2-4	4.25	*	*	*	*
4	4.50	073-08258	073-08266	073-08274	*
5	5.56	*	073-08326	*	*
	6.63	073-08386	073-08394	073-08402	073-08410
8	8.63	073-08458	*	073-08466	*
10	10.75	*	*	073-08518	*
12	12.75	*	*	*	*
*NON STOCK CALL JABO SUPPLY					

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

IPS QUICK GUIDE



SMITH BLAIR 226FOR IPS PIPE

SIZE (INCHES)	OD RANGE (INCHES)	IPS OD	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
2	2.35-2.63	2.38	073-01622	073-01630	073-01638	073-01646	NA	NA
2 1/4-2 1/2	2.70-3.00	2.88	073-01654	*	*	8	NA	NA
3	3.46-3.70	3.50	073-01718	*	073-01734	073-01742	NA	NA
3-3-1/2	3.73-4.00	4.00	*	*	*	*		
4	4.45-4.73	4.50	073-01814	073-01822	073-01830	073-01838	NA	NA
5	5.22-5.62	5.56	*	*	*	*	*	*
6	6.56-6.96	6.63	073-02066	073-02074	073-02082	073-02090	073-02098	*
8	8.54-8.94	8.63	073-02346	073-02354	073-02362	073-02370	073-02378	*
10	10.64-11.04	10.75	073-02566	073-02574	073-02582	073-02590	073-02598	*
12	12.62-13.02	12.75	073-02846	073-02854	073-02862	073-02870	073-02878	*
14	13.70-14.10	14.00	073-03014	073-03022	073-03030	073-03038	073-03046	073-03054
14	14.00-14.40	14.00	073-03074	073-03082	073-03090	073-03098	073-03106	

***NON STOCK CALL JABO SUPPLY**



JCM 101 FOR IPS PIPE

SIZE (INCHES)	OD RANGE (INCHES)	IPS OD	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			6"	7	12'	15	18	24
1-1/2	1.88 - 2.15	1.9	*	*	*	*	*	*
2	2.35-2.63	3.5	*	*	*	*	*	*
2-2/12	2.70-3.13	2.88	*	*	*	*	*	*
3	3.46-3.70	3.5	071-00545	071-00540	071-00543	*	*	*
3-1/2	3.73-4.13	4	*	*	*	*	*	*
4	4.45-4.73	4.5	071-00548	071-00550	071-00560	071-00562	*	*
6	6.56-6.96	6.63	*	071-00575	071-00580	071-00582	*	*
8	8.54-8.94	8.63	*	*	071-00600	071-00602	*	*
10	10.60-11.00	10.75	*	*	071-00620	071-00626	*	*
12	12.60-13.02	12.75	*	*	071-00680		*	*

***NON STOCK CALL JABO SUPPLY**

REPAIR CLAMPS

QUICK REFERENCE BY PIPE YPE

IPS QUICK GUIDE



SMITH BLAIR 227 FOR IPS PIPE

SIZE (INCHES)	OD RANGE (INCHES)	IPS OD	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
3	3.49-4.29	3.5	*	*	NA	*	*	*
4	4.44-5.24	4.50	NA	*	NA	*	*	*
6	6.62-7.42	6.63	NA	*	NA	*	*	*
8	8.62-9.42	8.63	NA	*	NA	*	*	*
10	10.75-11.55	10.75	NA	*	NA	*	*	*
12	12.75-13.55	12.75	NA	*	NA	*	*	*

*NON STOCK CALL JABO SUPPLY



SMITH BLAIR 261 FOR IPS PIPE

SIZE (INCHES)	OD RANGE (INCHES)	IPS OD	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
2	2.35-2.63	2.38	*	*	*	*	NA	NA
3	3.46-3.70	3.5	*	*	*	*	NA	NA
3-1/2	3.73-4.00	4.00	*	*	*	*	NA	NA
	3.96-4.25		*	*	*	*	NA	NA
4	4.45-4.73	4.5	073-09310	*	073-09318	*	NA	NA
4-1/2	4.95-5.35	5.00	*	*	*	*	*	NA
6	6.56-6.96	6.63	073-09398	*	073-09406	*	*	*
8	8.54-8.94	8.63	073-09534	*	073-09542	*	*	*
10	10.64-11.04	10.75	*	*	073-09654	*	*	*
12	12.62-13.02	12.75	*	*	*	*	*	*

*NON STOCK CALL JABO SUPPLY

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

IPS QUICK GUIDE



DRESSER WIDE RANGE FITS IPS- AC 100

SIZE (INCHES)	OD RANGE (INCHES)	IPS OD	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	4.50	074-54192	*	074-54456	074-55244	*	074-56028
6	6.55-7.42	6.63	074-54260	*	074-54652	074-55432	*	*
8	8.54-9.44	8.63	074-54300	*	074-54772	074-55560	074-55996	074-56064
10	10.64-11.46	10.75	*	*	074-54896	074-55684	*	*
12	12.62-13.56	12.75	*	*	074-55016	074-55808	*	*

*NON STOCK CALL JABO SUPPLY

DI / C900 /CAST IRON REPAIR CLAMPS QUICK REFERENCE GUIDE

IF TYPE OF PIPE IS KNOWN



REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

DUCTILE IRON / C900 / CAST IRON QUICK GUIDE



SMITH BLAIR 226 FOR DI / C900 / CAST IRON

SIZE (INCHES)	OD RANGE (INCHES)	ACTUAL OD DI/C900/CI	SIZE (INCHES) W LOW ALLOY BOLTS & NUTS						
			7.5	10	12.5	15	20	24	30
3	3.96-4.25	3.96	*	*	*	*	NA	NA	NA
4	4.74-5.14	4.8	*	*	*	073-01870	073-01878	*	*
6	6.56-6.96	6.9	073-02066	073-02074	073-02082	073-02090	073-02098	*	*
8	8.99-9.39	9.05	073-02402	073-02410	073-02418	073-02426	073-02434	*	*
10	11.04-11.44	11.1	073-02622	073-02630	073-02638	073-02646	073-02654	*	*
12	13.10-13.50	13.2	073-02902	073-02910	073-02918	073-02926	073-02934	*	*

*NON STOCK CALL JABO SUPPLY

DI=DUCTILE IRON

CI= CAST IRON



SMITH BLAIR 227 FOR DI / C900 / CAST IRON

SIZE (INCHES)	OD RANGE (INCHES)	ACTUAL OD DI/C900/CI	SIZE (INCHES) W LOW ALLOY BOLTS & NUTS						
			7.5	10	12.5	15	20	24	30
4	4.44-5.24	4.8	NA	*	NA	*	*	*	*
	4.74-5.57		NA	*	NA	*	*	*	*
6	6.62-7.42	6.9	NA	*	NA	*	*	*	*
	6.84-7.64		NA	*	NA	*	*	*	*
8	8.62-9.42	9.05	NA	*	NA	*	*	*	*
	8.99-9.79		NA	*	NA	*	*	*	*
10	10.75-11.55	11.1	NA	*	NA	*	*	*	*
	11.10-11.90		NA	*	NA	*	*	*	*
12	12.75-13.55	13.2	NA	*	NA	*	*	*	*
	13.20-14.00		NA	*	NA	*	*	*	*

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

DUCTILE IRON / C900 / CAST IRON QUICK GUIDE



SMITH BLAIR 261FOR DI / C900 / CAST IRON

SIZE (INCHES)	OD RANGE (INCHES)	ACTUAL OD DI/C900/CI	SIZE (INCHES) W LOW ALLOY BOLTS & NUTS						
			7.5	10	12.5	15	20	24	30
4	4.74-5.14	4.80	073-09326	*	*	*	*	NA	NA
6	6.56-6.96	6.90	073-09398	*	073-09406	*	*	*	*
	6.84-7.24	6.90	073-09426	*	073-09434	*	*	*	*
8	8.99-9.39	9.05	073-09562	*	073-09570	*	*	*	*
10	11.04-11.44	11.10	*	*	073-09682	*	*	*	*
12	13.10-13.50	13.20	*	*	*	*	*	*	*
12	13.40-13.80	13.20	*	*	*	*	*	*	*

*NON STOCK CALL JABO SUPPLY

DI=DUCTILE IRON

CI= CAST IRON



DRESSER WIDE RANGE FITS IPS- AC 100

SIZE (INCHES)	OD RANGE (INCHES)	IPS OD	SIZE (INCHES) W LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	4.50	074-54192	*	074-54456	074-55244	*	074-56028
6	6.55-7.42	6.63	074-54260	*	074-54652	074-55432	*	*
8	8.54-9.44	8.63	074-54300	*	074-54772	074-55560	074-55996	074-56064
10	10.64-11.46	10.75	*	*	074-54896	074-55684	*	*
12	12.62-13.56	12.75	*	*	074-55016	074-55808	*	*

*NON STOCK CALL JABO SUPPLY

REPAIR CLAMPS

BELL JOINT LEAK CLAMP

274 SMITH BLAIR DI / C900 & C905

Ductile Iron Pipe / C900 & C905 PVC



SIZE / OD RANGE		SHORT BELL				LONG BELL			
		BOLT SIZE (INCHES)				BOLT SIZE (INCHES)			
SIZE	OD RANGE	BOLT TYPE		BOLT SIZE & #		BOLT TYPE		BOLT SIZE & #	
(INCHES)	(INCHES)	ALLOY	STAINLESS	**BOLT SIZE	#BOLTS	ALLOY	STAINLESS	***BOLT SIZE	#BOLTS
2+	2.5	*	*	1/2 x 7	4	NA	NA	NA	NA
3+	3.80-3.96	*	*	5/8 x 9	4	NA	NA	NA	NA
4+	4.80-5.00	073-12062	073-12066	5/8 x 9	4	*	*	5/8 x 17	4
6	6.90-7.10	073-12070	073-12074	5/8 x 9	4	*	*	5/8 x 17	4
8	9.05-9.30	073-12078	073-12082	5/8 x 10 1/2	6	*	*	5/8 x 17	6
10	11.10-11.40	073-12086	073-12090	5/8 x 10 1/2	6	*	*	5/8 x 17	6
12	13.20-13.50	073-12094	073-12098	5/8 x 11	6	*	*	5/8 x 17	6
14*	15.3	*	*	5/8 x 11	8	*	*	5/8 x 17	8
14*	15.65	*	*	5/8 x 13	8	*	*	5/8 x 17	8
16	17.40-17.80	*	*	5/8 x 13	9	*	*	5/8 x 25	9
18	19.50-19.92	*	*	5/8 x 13	12	*	*	5/8 x 25	12
20	21.60-22.06	*	*	5/8 x 13	12	*	*	5/8 x 25	12
24	25.80-26.32	*	*	5/8 x 17	12	*	*	5/8 x 25	12
30†	31.74-32.74	*	*	5/8 x 17	15	*	*	5/8 x 27	15
36†	37.96-38.70	*	*	5/8 x 17	18	*	*	5/8 x 27	18
†Not recommended for PVC pipe		*Non Stock Call Jabo Supply				*Non Stock Call Jabo Supply			
		Short Bell = Studs				*Long Bell = 12" of Threads			
•Available with Bias Cut Gasket Only									

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

DUCTILE IRON / C900 / CAST IRON QUICK GUIDE

BELL JOINT REPAIR CLAMP*DRESSER ULTRA SLEEVE*

One Sleeve Fits All Hubs and Bells, Leaking Joints on IPS, DIP, CIP and PVC Joints, Asbestos Cement Collars. Also encapsulates old couplings, repair clamps and other old leaking repair devices. Nearly all pipe diameters are covered by one sleeve in the 4" to 12" diameters while providing up to 1.3" of range and 4 degrees of dynamic deflection per end. Diameters covered include IPS, DIP, CIP, and AC (asbestos cement diameters including class 200).

JABO PART#	SIZE	OD
074-58555	2"	2.35-3.13
074-58556	4"	4.45-5.61
074-58560	6"	6.55-7.65
074-58564	8"	8.54-9.84
074-58568	10"	10.64-11.46
074-58570	10"	11.34-12.16
074-58572	12"	12.62-13.56
074-58574	12"	13.42-14.45

WILL ENCAPSULATES MOST REPAIR CLAMPS INCLUDING HYMAX

SAVES TIME AND MONEY BY NOT HAVING TO SHUT WATER OFF TO MAKE THE REPAIR

PIT CAST REPAIR CLAMPS

QUICK REFERENCE GUIDE



REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

PIT CAST QUICK GUIDE



SMITH BLAIR 226 FOR PIT CAST PIPE

SIZE (INCHES)	OD RANGE (INCHES)	ACTUAL OD PIT CAST	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS						
			7.5	10	12.5	15	20	24	30
3	3.73-4.00	3.96	*	*	*	*			
4	4.74-5.14	5.00				073-01870	073-01878	*	*
6	6.84-7.24	7.10	073-02122	073-02130	073-02138	073-02146	073-02154	*	*
8	8.99-9.39	9.30	073-02402	073-02410	073-02418	073-02426	073-02434	*	*
	9.27-9.67		073-02458	073-02466	073-02474	073-02482	073-02490	*	*
10	11.04-11.44	11.40	073-02622	073-02630	073-02638	073-02646	073-02654	*	*
	11.34-11.74		073-02678	073-02686	073-02694	073-02702	073-02710	*	*
12	13.10-13.50	13.50	073-02902	073-02910	073-02918	073-02926	073-02934	*	*
	13.40-13.80								

***NON STOCK CALL JABO SUPPLY**



SMITH BLAIR 261 FOR PIT CAST PIPE

SIZE (INCHES)	OD RANGE (INCHES)	ACTUAL OD PITCAST	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS						
			7.5	10	12.5	15	20	24	30
3-1/2	3.73-4.00	3.96	*	*	*	*	NA	NA	NA
4-1/2	4.74-5.14	5.00	073-09326	*	*	*	*	NA	NA
6	6.84-7.24	7.10	073-09426	*	073-09434	*	*	*	*
	7.05-7.45		073-09400	*	*	*	*	*	*
8	8.99-9.39	9.30	073-09562	*	073-09570	*	*	*	*
	9.27-9.67		*	*	*	*	*	*	*
10	11.04-11.44	11.40	*	*	073-09682	*	*	*	*
	11.34-11.74		*	*	*	*	*	*	*
12	13.10-13.50	13.50	*	*	*	*	*	*	*
	13.40-13.80		*	*	*	*	*	*	*

***NON STOCK CALL JABO SUPPLY**

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

PIT CAST QUICK GUIDE

**DRESSER WIDE RANGE FITS IPS- AC 100**

SIZE	OD RANGE	IPS	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
(INCHES)	(INCHES)	OD	7.5	10	12	15	20	24
4	4.45-5.13	4.50	074-54192	*	074-54456	074-55244	*	074-56028
6	6.55-7.42	6.63	074-54260	*	074-54652	074-55432	*	*
8	8.54-9.44	8.63	074-54300	*	074-54772	074-55560	074-55996	074-56064
10	10.64-11.46	10.75	*	*	074-54896	074-55684	*	*
12	12.62-13.56	12.75	*	*	074-55016	074-55808	*	*

***NON STOCK CALL JABO SUPPLY**

AC TRANSITE REPAIR CLAMPS

QUICK REFERENCE GUIDE

IF TYPE OF PIPE IS KNOWN



REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT TRANSITE MACHINE END 100



226 AC TRANSITE MACHINE END 100

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE ME 100	SIZE (INCHES) W / LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.45-4.73	4.64	073-01814	073-01822	073-01830	073-01838	NA	NA
6	6.56-6.96	6.91	073-02066	073-02074	073-02082	073-02090	073-02098	*
8	8.99-9.39	9.11	073-02402	073-02410	073-02418	073-02426	073-02434	*
10	11.04-11.44	11.24	073-02622	073-02630	073-02638	073-02646	073-02654	*
12	13.10-13.50	13.44	073-02902	073-02910	073-02918	073-02926	073-02934	*
*NON STOCK CALL JABO								



DRESSER WIDE RANGE AC TRANSITE MACHINE END 100

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE ME 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	4.64	074-54192	*	074-54456	074-55244	*	074-56028
6	6.55-7.42	6.91	074-54260	*	074-54652	074-55432	*	*
6 os	6.84-7.65	6.91	*	*	*	*	*	*
8	8.54-9.44	9.11	074-54300	*	074-54772	074-55560	074-55996	074-56064
8 os	8.98-9.84	9.11	*	*	*	*	*	*
10	10.64-11.46	11.24	*	*	074-54896	074-55684	*	*
12	12.62-13.56	13.44	*	*	074-55016	074-55808	*	*
*NON STOCK CALL JABO						os-OVERSIZED		



261 AC TRANSITE MACHINE END 100

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE ME 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.45-4.73	4.64	073-09310	*	073-09318	*	NA	NA
6	6.56-6.96	6.91	073-09398	*	073-09406	*	*	*
8	8.99-9.39	9.11	073-09562	*	073-09570	*	*	*
10	11.04-11.44	11.24	*	*	073-09682	*	*	*
12	13.10-13.50	13.44	*	*	*	*	*	*
*NON STOCK CALL JABO			<i>JABO SUPPLY</i>			<i>SINCE 1964</i>		

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT TRANSITE MACHINE END 150



226 AC TRANSITE MACHINE END 150

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE ME 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	4.81	*	*	*	073-01870	073-01878	*
6	6.56-6.96	6.91	073-02066	073-02074	073-02082	073-02090	073-02098	*
8	8.99-9.39	9.11	073-02402	073-02410	073-02418	073-02426	073-02434	*
10	11.34-11.74	11.66	073-02678	073-02686	073-02694	073-02702	073-02710	*
12	13.40-13.80	13.92	*	*	*	*	*	*
12	13.70-14.10	13.92	073-03014	073-03022	073-03030	073-03038	073-03046	073-03054
*NON STOCK CALL JABO						<i>SINCE 1964</i>		



DRESSER WIDE RANGE AC TRANSITE MACHINE END 150

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE ME 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	4.81	074-54192	*	074-54456	074-55244	*	074-56028
6	6.55-7.42	6.91	074-54260	*	074-54652	074-55432	*	*
6 os	6.84-7.65	6.91	*	*	*	*	*	*
8	8.54-9.44	9.11	074-54300	*	074-54772	074-55560	074-55996	074-56064
8 os	8.98-9.84	9.11	*	*	*	*	*	*
10 os	11.34-12.16	11.66	*	*	*	*	*	*
12 os	13.65-14.42	13.92	*	*	*	*	*	*
*NON STOCK CALL JABO						os-OVERSIZED		



261 AC TRANSITE MACHINE END 150

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE ME 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.74-5.14	4.81	073-09326	*	*	*	*	NA
6	6.56-6.96	6.91	073-09398	*	073-09406	*	*	*
8	8.99-9.39	9.11	073-09562	*	073-09570	*	*	*
10	11.34-11.74	11.66	*	*	*	*	*	*
12**	13.40-13.80	13.92	*	*	*	*	*	*
<i>SINCE 1964</i>			** NOT AVAILABLE IN 261 SEE 226 OR WIDE RANGE				*NON STOCK CALL JABO	

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT TRANSITE MACHINE END 200



226 AC TRANSITE MACHINE END 200

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE ME 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	4.81	*	*	*	073-01870	073-01878	*
6	6.56-6.96	6.91	073-02066	073-02074	073-02082	073-02090	073-02098	*
8	8.99-9.39	9.11	073-02402	073-02410	073-02418	073-02426	073-02434	*
10	11.34-11.74	11.66	073-02678	073-02686	073-02694	073-02702	073-02710	*
12	13.70-14.10	13.92	073-03014	073-03022	073-03030	073-03038	073-03046	073-03054
*NON STOCK CALL JABO						<i>SINCE 1964</i>		



DRESSER WIDE RANGE AC TRANSITE MACHINE END 200

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE ME 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	4.81	074-54192	*	074-54456	074-55244	*	074-56028
6	6.55-7.42	6.91	074-54260	*	074-54652	074-55432	*	*
6 os	6.84-7.65	6.91	*	*	*	*	*	*
8	8.54-9.44	9.11	074-54300	*	074-54772	074-55560	074-55996	074-56064
8 os	8.98-9.84	9.11	*	*	*	*	*	*
10 os	11.34-12.16	11.66	*	*	*	*	*	*
12 os	13.65-14.42	13.92	*	*	*	*	*	*
*NON STOCK CALL JABO						os-OVERSIZED		



261 AC TRANSITE MACHINE END 200

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE ME 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	4.81	073-09326	*	*	*	*	NA
6	6.56-6.96	6.91	073-09398	*	073-09406	*	*	*
8	8.99-9.39	9.11	073-09562	*	073-09570	*	*	*
10	11.34-11.74	11.66	*	*	*	*	*	*
**12	13.40-13.80	13.92	*	*	*	*	*	*
*NON STOCK CALL JABO			** NOT AVAILABLE IN 261 SEE 226 OR WIDE RANGE					

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT TRANSITE ROUGH BARRELL 100



226 AC TRANSITE ROUGH BARRELL (RB) 100

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE RB MIN-MAX 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	4.79-5.14				073-01870	073-01878	*
6	7.05-7.45	7.05-7.40	073-02178	073-02186	073-02194	073-02202	073-02210	
8	9.27-9.67	9.22-9.57	073-02458	073-02466	073-02474	073-02482	073-02490	*
10	11.34-11.74	11.42-11.77	073-02678	073-02686	073-02694	073-02702	073-02710	*
12	13.70-14.10	13.69-14.04	073-03014	073-03022	073-03030	073-03038	073-03046	073-03054
*NON STOCK CALL JABO						<i>SINCE 1964</i>		



DRESSER WIDE RANGE AC TRANSITE ROUGH BARRELL (RB) 100

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE RB MIN-MAX 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	4.79-5.14	074-54192	*	074-54456	074-55244	*	074-56028
4 os	4.74-5.61	4.79-5.14	*	*	*	*	*	*
6 os	6.84-7.65	7.05-7.40	*	*	*	*	*	*
8 os	8.98-9.84	9.22-9.57	*	*	*	*	*	*
10 os	11.34-12.16	11.22-11.77	*	*	*	*	*	*
12 os	13.65-14.42	13.69-14.04	*	*	*	*	*	*
*NON STOCK CALL JABO						os-OVERSIZED		



261 AC TRANSITE ROUGH BARRELL (RB) 100

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE RB MIN-MAX 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	4.79-5.14	073-09326	*	*	*	*	NA
6	6.84-7.24	7.05-7.40	073-09426	*	073-09434	*	*	*
8	9.27-9.67	9.22-9.57	*	*	*	*	*	*
10	11.34-11.74	11.42-11.77	*	*	*	*	*	*
12	13.40-13.80	13.69-14.04	*	*	*	*	*	*
<i>SINCE 1964</i>			*NON STOCK CALL JABO			ACTUAL OD OF PIPE		

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT TRANSITE ROUGH BARRELL 150



226 AC TRANSITE ROUGH BARRELL (RB) 150

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE RB 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.95-5.35	4.97-5.27	073-01902	073-01910	073-01918	073-01926	073-01934	*
6	7.05-7.45	7.07-7.37	073-02178	073-02186	073-02194	073-02202	073-02210	*
8	9.27-9.67	9.27-9.57	073-02458	073-02466	073-02474	073-02482	073-02490	*
10	11.75-12.15	11.82-12.12	073-02734	073-02742	073-02750	073-02758	073-02766	*
12	14.00-14.40	14.08-14.38	073-03074	073-03082	073-03090	073-03098	073-03106	*
*NON STOCK CALL JABO						SINCE 1964		



DRESSER WIDE RANGE AC TRANSITE ROUGH BARRELL (RB) 150

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE RB 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4 OS	4.74-5.61	4.97-5.27	*	*	*	*	*	*
6 OS	6.84-7.65	7.07-7.37	*	*	*	*	*	*
8 OS	8.98-9.84	9.27-9.57	*	*	*	*	*	*
10 OS	11.34-12.16	11.82-12.12	*	*	*	*	*	*
12 OS	13.65-14.42	14.08-14.38	*	*	*	*	*	*
*NON STOCK CALL JABO						SINCE 1964		



261 AC TRANSITE ROUGH BARRELL (RB) 150

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE RB MIN-MAX 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	4.79-5.14	073-09326	*	*	*	*	NA
6	6.84-7.24	7.05-7.40	073-09426	*	073-09434	*	*	*
8	9.27-9.67	9.22-9.57	*	*	*	*	*	*
10	11.34-11.74	11.42-11.77	*	*	*	*	*	*
12	13.40-13.80	13.69-14.04	*	*	*	*	*	*
*NON STOCK CALL JABO			CHECK ACTUAL OD OF PIPE				SINCE 1964	

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT TRANSITE ROUGH BARRELL 150



226 AC TRANSITE ROUGH BARRELL (RB) 200

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE RB 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	5.22-5.62	5.22-5.77	*	*	*	*	*	*
6	7.45-7.85	7.26-7.56	*	*	*	*	*	*
8	9.70-10.10	9.39-9.74	*	*	*	*	*	*
10	11.75-12.15	11.77-12.12	073-02734	073-02742	073-02750	073-02758	073-02766	*
12	14.00-14.40	14.03-14.38	073-03074	073-03082	073-03090	073-03098	073-03106	*
*NON STOCK CALL JABO						<i>SINCE 1964</i>		



DRESSER WIDE RANGE AC TRANSITE ROUGH BARRELL (RB) 200

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE RB 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4 os	4.74-5.61	5.22-5.77	*	*	*	*	*	*
6 os	6.84-7.65	7.26-7.56	*	*	*	*	*	*
8 os	8.98-9.84	9.39-9.74	*	*	*	*	*	*
10 os	11.34-12.16	11.77-12.12	*	*	*	*	*	*
12 os	13.65-14.42	14.03-14.38	*	*	*	*	*	*
*NON STOCK CALL JABO						os-OVERSIZED		



261 AC TRANSITE ROUGH BARRELL (RB) 200

SIZE (INCHES)	OD RANGE (INCHES)	AC TRANSITE RB 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.95-5.35	5.22-5.77	*	*	*	*	*	NA
6	7.05-7.45	7.26-7.56	073-09400	*	*	*	*	*
8	9.27-9.67	9.39-9.74	*	*	*	*	*	*
10	11.75-12.15	11.77-12.12	*	*	*	*	*	*
*NON STOCK CALL JABO			CHECK ACTUAL OD OF PIPE					

AC SIMPLEX PIPE REPAIR CLAMPS

QUICK REFERENCE GUIDE

IF TYPE OF PIPE IS KNOWN



REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT SIMPLEX MACHINE END 100



226 AC SIMPLEX MACHINE END 100

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX <i>ME 100</i>	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.45-4.73	4.7	073-01814	073-01822	073-01830	073-01838	NA	NA
6	6.56-6.96	6.76	073-02066	073-02074	073-02082	073-02090	073-02098	*
8	8.99-9.39	8.88	073-02402	073-02410	073-02418	073-02426	073-02434	*
10	11.04-11.44	11.18	073-02622	073-02630	073-02638	073-02646	073-02654	*
12	13.10-13.50	13.36	073-02902	073-02910	073-02918	073-02926	073-02934	*
*NON STOCK CALL JABO						os-OVERSIZED		



DRESSER WIDE RANGE AC SIMPLEX MACHINE END 100

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX <i>ME 100</i>	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	4.7	074-54192	*	074-54456	074-55244	*	074-56028
6	6.55-7.42	6.76	074-54260	*	074-54652	074-55432	*	*
8	8.54-9.44	8.88	074-54300	*	074-54772	074-55560	074-55996	074-56064
10	10.64-11.46	11.18	*	*	074-54896	074-55684	*	*
12	12.62-13.56	13.36	*	*	074-55016	074-55808	*	*
*NON STOCK CALL JABO								



261 AC SIMPLEX MACHINE END 100

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX <i>ME 100</i>	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.45-4.73	4.64	073-09310	*	073-09318	*	NA	NA
6	6.56-6.96	6.91	073-09398	*	073-09406	*	*	*
8	8.54-8.94	9.11	073-09534	*	073-09542	*	*	*
10	11.04-11.44	11.24	*	*	073-09682	*	*	*
12	13.10-13.50	13.44	*	*	*	*	*	*
<i>JABO SUPPLY SINCE 1964</i>			*NON STOCK CALL JABO					

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

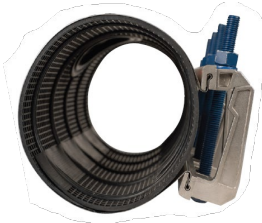
ASBESTOS CEMENT SIMPLEX MACHINE END 150



226 AC SIMPLEX MACHINE END 150

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX ME 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	4.85				073-01870	073-01878	*
6	6.56-6.96	6.95	073-02066	073-02074	073-02082	073-02090	073-02098	*
8	8.99-9.39	9.15	073-02402	073-02410	073-02418	073-02426	073-02434	*
10	11.34-11.74	11.7	073-02678	073-02686	073-02694	073-02702	073-02710	*
12	13.70-14.10	13.96	073-03014	073-03022	073-03030	073-03038	073-03046	073-03054

***NON STOCK CALL JABO**



DRESSER WIDE RANGE AC SIMPLEX MACHINE END 150

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX ME 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	4.85	074-54192	*	074-54456	074-55244	*	074-56028
4 os	4.74-5.61	4.85	*	*	*	*	*	*
6	6.55-7.42	6.95	074-54260	*	074-54652	074-55432	*	*
6 os	6.84-7.65	6.95	*	*	*	*	*	*
8	8.54-9.44	9.15	074-54300	*	074-54772	074-55560	074-55996	074-56064
8 os	8.98-9.84	9.15	*	*	*	*	*	*
10 os	11.34-12.16	11.7	*	*	*	*	*	*
12 os	13.65-14.42	13.96	*	*	*	*	*	*

***NON STOCK CALL JABO**

os-OVERSIZED



261 AC SIMPLEX MACHINE END 150

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX ME 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.74-5.14	4.85	073-09326	*	*	*	*	NA
6	6.56-6.96	6.95	073-09398	*	073-09406	*	*	*
8	8.99-9.39	9.15	073-09562	*	073-09570	*	*	*
10	11.34-11.74	11.7	*	*	*	*	*	*
12	NA	13.96						

JABO SUPPLY SINCE 1964

***NON STOCK CALL JABO**

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT SIMPLEX MACHINE END 200



226 AC SIMPLEX MACHINE END 200

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX ME 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.95-5.35	5.20	073-01902	073-01910	073-01918	073-01926	073-01934	*
6	7.45-7.85	7.50	*	*	*	*	*	*
8	9.70-10.10	9.76	*	*	*	*	*	*
10	12.00-12.40	11.20	*	*	*	*	*	*
12	NA	14.46	NA	NA	NA	NA	NA	NA

***NON STOCK CALL JABO**



DRESSER WIDE RANGE AC SIMPLEX MACHINE END 200

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX ME 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4 OS	4.74-5.61	5.2	*	*	*	*	*	*
6 OS	6.84-7.65	7.5	*	*	*	*	*	*
8 OS	8.98-9.84	9.76	*	*	*	*	*	*
12 OS	13.65-14.42	14.46	*	*	*	*	*	*

***NON STOCK CALL JABO**



261 AC SIMPLEX MACHINE END 200

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX ME 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.95-5.35	5.2	*	*	*	*	*	*
6	7.45-7.85	7.5	*	*	*	*	*	*
8	9.70-10.10	9.76	*	*	*	*	*	*
10	12.00-12.40	12.2	*	*	*	*	*	*
12	NA	14.46	*	*	*	*	*	*

JABO SUPPLY SINCE 1964

***NON STOCK CALL JABO**

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT SIMPLEX ROUGH BARRELL 100



226 AC SIMPLEX ROUGH BARRELL (RB) 100

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX RB MIN-MAX 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	4.95	*	*	*	073-01870	073-01878	*
6	6.84-7.24	7.01	073-02122	073-02130	073-02138	073-02146	073-02154	*
8	8.99-9.39	9.13	073-02402	073-02410	073-02418	073-02426	073-02434	*
10	11.04-11.44	11.43	073-02622	073-02630	073-02638	073-02646	073-02654	*
12	13.40-13.80	13.61	*	*	*	*	*	*
*NON STOCK CALL JABO								



DRESSER WIDE RANGE AC SIMPLEX ROUGH BARRELL (RB) 100

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX RB MIN-MAX 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	4.95	074-54192	*	074-54456	074-55244	*	074-56028
4 os	4.74-5.61	4.95	*	*	*	*	*	*
6	6.55-7.42	7.01	074-54260	*	074-54652	074-55432	*	*
6 os	6.84-7.65	7.01	*	*	*	*	*	*
8	8.54-9.44	9.13	074-54300	*	074-54772	074-55560	074-55996	074-56064
8 os	8.98-9.84	9.13	*	*	*	*	*	*
10	10.64-11.46	11.43	*	*	074-54896	074-55684	*	*
10 os	11.34-12.16	11.43	*	*	*	*	*	*
12 os	13.65-14.42	13.61	*	*	*	*	*	*
*NON STOCK CALL JABO						os-OVERSIZED		



261 AC SIMPLEX ROUGH BARRELL (RB) 100

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX RB MIN-MAX 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	4.95	073-09326	*	*	*	*	NA
6	6.84-7.24	7.01	073-09426	*	073-09434	*	*	*
8	8.99	9.39	073-09562	*	073-09570	*	*	*
10	11.04-11.44	11.43	*	*	073-09682	*	*	*
	11.34-11.74	11.43	*	*	*	*	*	*
12	13.40-13.80	13.61	*	*	*	*	*	*
<i>JABO SUPPLY SINCE 1964</i>			*NON STOCK CALL JABO					

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT SIMPLEX ROUGH BARRELL 150



226 ACSIMPLEX ROUGH BARRELL (RB) 150

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX RB 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	5.1				073-01870	073-01878	*
6	7.05-7.45	7.2	073-02178	073-02186	073-02194	073-02202	073-02210	
8	9.27-9.67	9.4	073-02458	073-02466	073-02474	073-02482	073-02490	*
10	11.75-12.15	11.95	073-02734	073-02742	073-02750	073-02758	073-02766	*
12	14.00-14.40	14.21	073-03074	073-03082	073-03090	073-03098	073-03106	

***NON STOCK CALL JABO**



DRESSER WIDE RANGE AC SIMPLEX ROUGH BARRELL (RB) 150

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX RB 150	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	4.45-5.13	5.1	074-54192	*	074-54456	074-55244	*	074-56028
4 OS	4.74-5.61	5.1	*	*	*	*	*	*
6	6.55-7.42	7.2	074-54260	*	074-54652	074-55432	*	*
6 OS	6.84-7.65	7.2	*	*	*	*	*	*
8	8.54-9.44	9.4	074-54300	*	074-54772	074-55560	074-55996	074-56064
8 OS	8.98-9.84	9.4	*	*	*	*	*	*
10 OS	11.34-12.16	11.95	*	*	*	*	*	*
12 OS	13.65-14.42	14.21	*	*	*	*	*	*

***NON STOCK CALL JABO**



261 AC SIMPLEX ROUGH BARRELL (RB) 150

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX RB MIN-MAX 100	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	4.74-5.14	5.1	073-09326	*	*	*	*	NA
6	6.84-7.24	7.2	073-09426	*	073-09434	*	*	*
6	7.05-7.45	7.2	073-09400	*	*	*	*	*
8	9.27-9.67	9.4	*	*	*	*	*	*
10	11.75-12.15	11.95	*	*	*	*	*	*
12	NA	14.21	NA	NA	NA	NA	NA	NA

JABO SUPPLY SINCE 1964

***NON STOCK CALL JABO**

REPAIR CLAMPS

QUICK REFERENCE BY PIPE TYPE

ASBESTOS CEMENT SIMPLEX ROUGH BARRELL 200



226 AC TRANSITE ROUGH BARRELL (RB) 200

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX RB 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12.5	15	20	24
4	5.22-5.62	5.45	*	*	*	*	*	*
6	7.45-7.85	7.75	*	*	*	*	*	*
8	9.70-10.10	10.01	*	*	*	*	*	*
10	12.00-12.40	12.45	*	*	*	*	*	*
*NON STOCK CALL JABO								



DRESSER WIDE RANGE AC TRANSITE ROUGH BARRELL (RB) 200

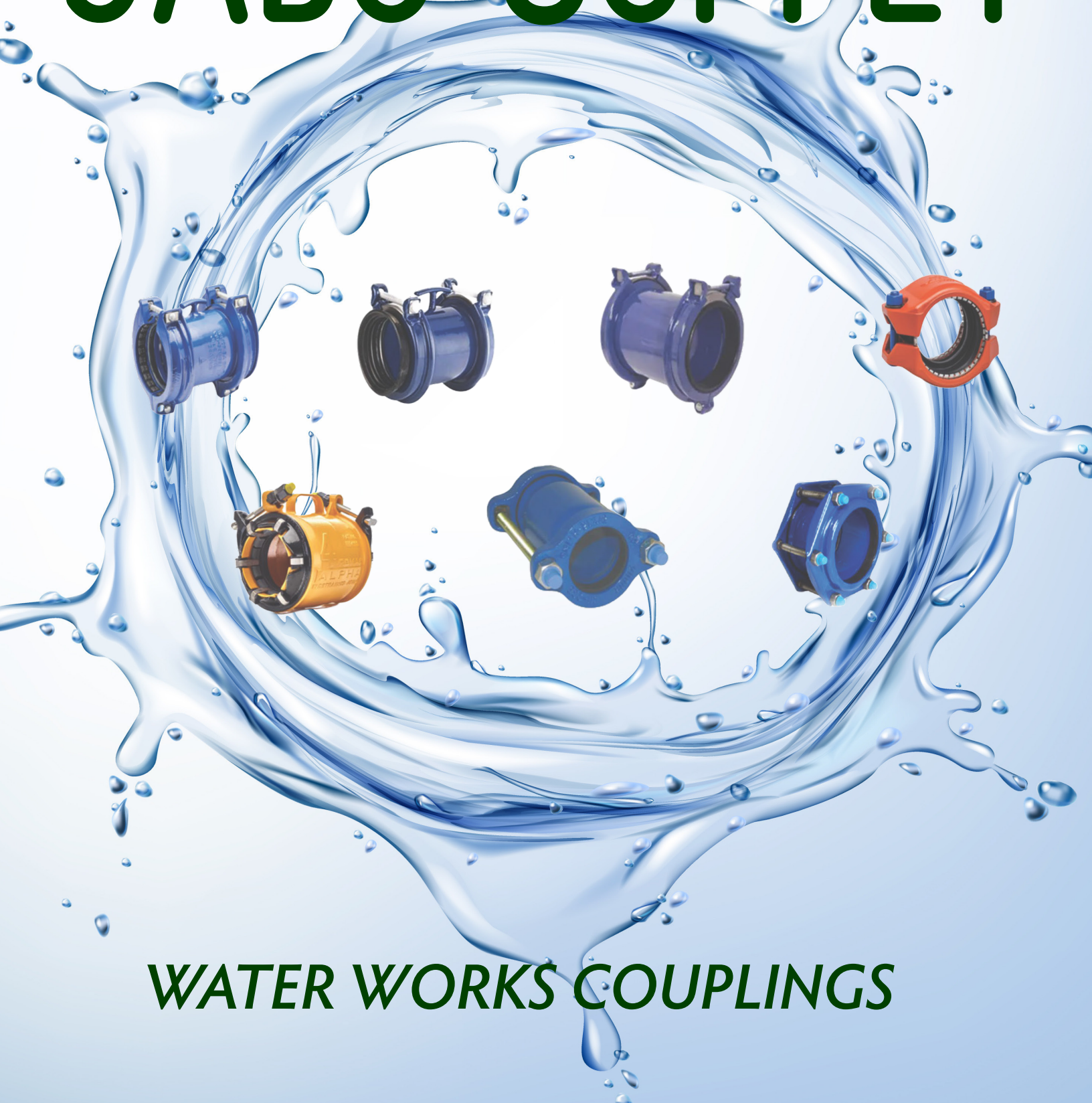
SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX RB 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4 OS	4.74-5.61	5.45	*	*	*	*	*	*
6 OS	6.84-7.65	7.75	*	*	*	*	*	*
8 OS	8.98-9.84	10.01	NA	NA	NA	NA	NA	NA
10 OS	11.34-12.16	12.45	NA	NA	NA	NA	NA	NA
12 OS	13.65-14.42	14.72	NA	NA	NA	NA	NA	NA
*NON STOCK CALL JABO						CHECK ACTUAL PIPE SIZE		



261 AC TRANSITE ROUGH BARRELL (RB) 200

SIZE (INCHES)	OD RANGE (INCHES)	AC SIMPLEX RB 200	SIZE (INCHES) W/ LOW ALLOY BOLTS & NUTS					
			7.5	10	12	15	20	24
4	5.22-5.62	5.45	*	*	073-09340	*	*	NA
6	7.45-7.85	7.75	*	*	*	*	*	*
8	9.70-10.10	10.01	*	*	*	*	*	*
10	12.62-13.02	12.45	*	*	*	*	*	*
12	NA	14.72	NA	NA	NA	NA	NA	NA
JABO SUPPLY SINCE 1964			*NON STOCK CALL JABO			NO 261 AVAILABLE		

JABO SUPPLY



WATER WORKS COUPLINGS

COUPLINGS

NOTES

COUPLINGS

COUPLING PICTURE INDEX


HYMAX COUPLINGS

HYMAX 2	HYMAX 2	HYMAX 2	HYMAX 2
FLIP COUPLING	FLIP LONG BODY	FLANGE ADAPTER STD/LONG	CATHODIC
			
Page 98	Page 98	Page 99	Page 99
HYMAX 2	HYMAX 2	HYMAX 2	HYMAX
REDUCER	FLANGED OUTLET	THREADED OUTLET	OVAL FLANGE ADAPTER
			
Page 100	Page 100	Page 101	Page 101
HYMAX GRIP	HYMAX GRIP	HYMAX GRIP	HYMAX GRIP
GRIP COUPLING	GRIP LARGE DIAMETER	GRIP SWIVEL JOINT	GRIP FLANGE ADAPTER
			
Page 103	Page 103	Page 103	Page 104
HYMAX GRIP	HYMAX GRIP	HYMAX GRIP	HYMAX GRIP
GRIP END CAP	GRIP REDUCER	GRIP ELBOW	CATHODIC
			
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COUPLINGS

COUPLING PICTURE INDEX

HYMAX COUPLINGS

HYMAX GRIP <i>CUT IN SLEEVE</i>	HYMAX DISMANTLING DISMANTLING JOINT 2"	HYMAX DISMANTLING DISMANTLING JOINT 3"-24"	HYMAX LARGE DIAMETER LARGE DIAMETER COUPLING
			
Page 106	Page 108	Page 108	Page 110
HYMAX LARGE DIAMETER LARGE DIAMETER LONG BODY	HYMAX LARGE DIAMETER LARGE DIAMETER FLANGE ADAPTER	HYMAX LARGE DIAMETER LARGER DIAMETER REDUCER	
			
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SMITH BLAIR TOP BOLTS & 411 BOLTED COUPLING

SMITH BLAIR 421 TOP BOLT STANDARD	SMITH BLAIR 422 TOP BOLT LONG	SMITH BLAIR 411 BOLTED COUPLING	
			
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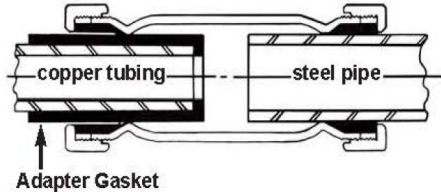
VICTAULIC

VICTAULIC 905 HDPE-HDPE	VICTAULIC 995 HDPE-HDPE	VICTAULIC 99 PLAIN END STEEL-PE STEEL	
			
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COUPLINGS

COUPLING PICTURE INDEX

SMITH BLAIR GALVANIZED COMPRESSION COUPLINGS

GALVANIZED COUPLING	ADAPTER GASKET	
<i>IPS PIPE</i>	<i>TRANSISTONS GAL COMPRESSION FROM IPS TO CTS</i>	
		
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ROMAC ALPHA

ROMAC	ROMAC	ROMAC	ROMAC
<i>ALPHA</i>	<i>ALPHA EC</i>	<i>ALPHA FC</i>	<i>ALPHA TEE</i>
			
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ROMAC
<i>ALPHA 45</i>

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COUPLINGS

OD PIPE CHART

FOR RECOMMENDATION ONLY

STEEL PIPE & STEEL SIZE PVC

SIZE	STD	IPS	SIZE	STD
INCHES	(SCH 40)		INCHES	(SCH 40)
1/2	0.84		4	4.50
3/4	1.05		4-1/2	5.00
1	1.32		5	5.56
1-1/4	1.66		6	6.63
1-1/2	1.90		8	8.63
2	2.38		9	9.63
2-1/2	2.88		10	10.75
3	3.50		12	12.75
3-1/2	4.00	14	14.00	

STD (SCH 40) STEEL PIPE 14" ABOVE THE NOMINAL SIZE IS THE O.D) (16=16.00 OD ,,ETC

COPPER TUBING

SIZE	PIPE O.D.
INCHES	(INCHES)
3/8	0.56
1/2	0.63
5/8	0.75
3/4	0.88
1	1.13
1-1/4	1.38
1-1/2	1.63
2	2.13
2-1/2	2.63
3	3.13
4	4.13
5	5.13
6	6.13

DI, C900, CAST IRON

DI, C900, CAST IRON	
SIZE	PIPE O.D.
INCHES	INCHES
4	4.80
6	6.90
8	9.05
10	11.10
12	13.20
14	15.30

ASBESTOS PIPE 4-16"

SIZE	CLASS	AC TRANITE		AC SIMPLEX	
		MACHINE	RB	MACHINE	RB
		END	MIN-MAX	END	MIN-MAX
4	100	4.64	4.79-5.14	4.70	4.95
	150	4.81	4.97-5.27	4.85	5.10
	200	4.81	5.22-5.77	5.20	5.45
6	100	6.91	7.05-7.40	6.76	7.01
	150	6.91	7.07-7.37	6.95	7.20
	200	6.91	7.26-7.56	7.50	7.75
8	100	9.11	9.22-9.57	8.80	9.13
	150	9.11	9.27-9.57	9.15	9.40
	200	9.11	9.39-9.74	9.76	10.01
10	100	11.24	11.42-11.77	11.18	11.43
	150	11.66	11.82-12.12	11.70	11.95
	200	11.66	11.77-12.12	12.20	12.45
12	100	13.44	13.69-14.04	13.36	13.61
	150	13.92	14.08-14.38	13.96	14.21
	200	13.92	14.03-14.38	14.46	14.72
14	100	15.07	15.40-15.80	15.56	15.94
	150	16.22	16.38-16.73	16.26	16.64
	200	16.22	16.48-16.88	16.88	17.26
16	100	17.15	17.54-17.94	17.76	18.14
	150	18.46	18.62-18.97	18.50	18.88
	200	18.46	18.79-19.19	19.30	19.68

PIT CAST

PIT CAST PIPE ONLY			
SIZE	NOT CURRENT MANUFACTURE OR STD		
INCHES	CLASS A	CLASS B	CLASS C / D
3	3.8	3.96	3.96
4	4.8	5.00	5.00
6	6.9	7.10	7.10
8	9.05	9.05	9.30
10	11.1	11.10	11.40
12	13.2	13.20	13.50
14	15.3	15.30	15.65
16	17.4	17.40	17.80

ASBESTOS PIPE 18"

CLASS	AC TRANITE		AC SIMPLEX	
	ME	RB MIN-MAX	ME	RB MIN-MAX
100	19.90	20.44	NA	NA
150	20.94	21.20	NA	NA
200	NA	NA	NA	NA

ASBESTOS PIPE 20"				
100	21.12	22.5	NA	NA
150	23.28	23.54	NA	NA
200	NA	NA	NA	NA

JABO SUPPLY DOES NOT WARRANTY OR GUARANTEE MANUFACTURED PIPE SIZES





JABO SUPPLY



HYMAX[®]

a **MUELLER** brand

HYMAX COUPLINGS

HYMAX[®] 2

HYMAX 2 Flip Gasket - the Next Generation Wide-Range Coupling with No-Tear Gasket

The wide range HYMAX 2 coupling features a patented, hydraulically assisted gasket that can easily flip in or out to accommodate different pipe ODs, allowing for faster and more efficient installations. The HYMAX 2 is a ready to use, out of the box stab fit coupling suitable for most pipe types.

SPHERICAL SPACERS

304 Stainless Steel*

GASKET BRIDGE

304 Stainless Steel*

FLIP GASKET

EPDM compounded for water and sewage, meets NSF-61 and NSF-372 standards for contact with drinking water



NUTS & BOLTS

304 Stainless Steel Treated with Molecular Anti Galling (MAG) process*

END RINGS

ASTM A283/A283M Grade C Steel

CENTER RING

ASTM A53 Grade A Steel

COATING

100% fusion bonded epoxy for enhanced corrosion protection. Average thickness 14 mil, meets NSF-61 and NSF-372 standards

* HYMAX 2 COUPLING sizes 1.5" - 12" and HYMAX 2 FLANGE ADAPTOR sizes 1.5" - 12" will soon be available in 316 Stainless Steel

FEATURES

- 2 Bolt Design
- Flip Gasket
- Continuous Dynamic Deflection
- Wide Working Range

BENEFITS

- Faster and easier installation saving time and money
- Flip gasket in or out! No accidental tearing out
- 4° per side minimizes risk of future pipe damage
- Reduces and simplifies inventory



* CAUTION - ASBESTOS AND OTHER MATERIALS MAY CAUSE CANCER AND DAMAGE TO LUNGS. DO NOT BREATHE DUST, AVOID CREATING DUST. Seek Expert Advice For Breathing Protection And Protective Equipment. Call OSHA 1-800-321-6742 for more information.



COUPLINGS

HYMAX 2

HYMAX 2 FLIP COUPLING

Wide-range **HYMAX 2 Flip coupling**, used for section replacement, connects two pipes of the same or different outside diameter and materials, up to 1.3" range (SEE PHOTO RIGHT)



Nominal Pipe Size: 1.5" - 12"



JABO#	SIZE	RANGE
075-13690	1.5"	1.61-2.13
075-13700	2"	2.10-3.03
075-13710	3"	3.46-4.33
075-13720	4"	4.25-5.63
075-13740	6"	6.42-7.68
075-13760	8"	8.54-9.84
075-13770	10"	10.70-12.0
075-13800	12"	12.40-13.66
NON RESTRAINT		

HYMAX 2 LONG BODY

Wide-range **HYMAX 2 Long Body Coupling**, used for pipe section replacement, connects two pipes of the same or different outside diameter and materials, covering a wider gap between the pipes, with up to up to 1.3" range.



Long couplings are typically used when there is uncertainty regarding the gap between the pipes.

Nominal Pipe Size: 1.5" - 12"

JABO#	SIZE	RANGE
*	1.5"	1.61-2.13
075-17300	2"	2.10-3.03
075-17305	3"	3.46-4.33
075-17310	4"	4.25-5.63
075-17315	6"	6.42-7.68
075-17320	8"	8.54-9.84
075-17325	10"	10.70-12.0
*	10"	10.96 - 12.26
*	12"	12.40-13.66
*	12"	13.15 - 14.41
NON RESTRAINT		
* NON STOCK CALL JABO SUPPLY		

COUPLINGS

HYMAX 2

HYMAX 2 FLANGE ADAPTER

Wide-range HYMAX 2 **Flange Adaptor** connects any flanged device, such as valves, pumps and other devices, with a variety of pipe diameters and materials, up to 1.3" range.

Nominal Pipe Size: 1.5" - 12"



JABO #	SIZE	RANGE
075-16320	2"	2.10-3.03
075-15880	3"	3.46-4.33
075-15890	4"	4.25-5.63
075-15910	6"	6.42-7.68
075-15920	8"	8.54-9.84
075-15930	10"	10.70-12.00
075-15950	12"	12.40-13.66

HYMAX 2 CATHODIC COUPLING

The HYMAX 2 **Cathodic coupling** is fitted with a single connection point allowing for electrical continuity through the entire coupling. This feature provides a single connection point for adding sacrificial anodes for additional corrosion protection. The Cathodic connection point is ready to use, out of the box without any assembly needed.

Nominal Pipe Size: 2" - 12"



JABO #	SIZE	RANGE
*	2"	2.10-3.03
*	3"	3.46-4.33
*	4"	4.25-5.63
*	6"	6.42-7.68
*	8"	8.54-9.84
*	10"	10.70-12.00
*	10"	10.96 - 12.26
*	12"	12.40-13.66
*	12"	13.15 - 14.41
* NO STOCK CALL JABO SUPPLY		

COUPLINGS

HYMAX 2

HYMAX 2 REDUCER

Wide-range HYMAX 2 **Reducer** joins pipes of different nominal sizes and materials. Each side has a working range of up to 1.3".



Nominal Pipe Size: 1.5" - 12"



JABO #	SIZE	RANGE
*	1.5" x 2"	1.61 - 2.13
*	2" x 3"	2.10 - 3.03
*	3" x 4"	3.46 - 4.33
*	4" x 5"	4.25 - 5.63
*	4" x 6"	4.25 - 5.63
*	5" x 6"	5.12 - 6.38
*	6" x 7"	6.42 - 7.68
*	6" x 8"	6.42 - 7.68
*	7" x 8"	7.48 - 8.74
*	8" x 10"	8.54 - 9.84
*	8" x 12"	8.54 - 9.84
*	10" x 10"	10.70 - 12.00
*	10" x 12"	10.70 - 12.00
*	10" x 12"	10.96 - 12.26
*	10" x 12"	10.96 - 12.26
*	12" x 12"	12.40 - 13.66
*NON STOCK CALL JABO SUPPLY		

HYMAX 2 FLANGED OUTLET

HYMAX 2 **Flanged Outlet** provides effective outlet solutions for a wide variety of piping types and diameters, joining pipes made of the same or different materials, and with a working range of up to 1.3".



Nominal Pipe Size: 3" - 12"



JABO #	SIZE	RANGE
NA	2"	NA
*	3"	3.46-4.33
*	4"	4.25-5.63
*	6"	6.42-7.68
*	8"	8.54-9.84
*	10"	10.70-12.00
*	10"	10.96 - 12.26
*	12"	12.40-13.66
*	12"	13.15 - 14.41
*NON STOCK CALL JABO SUPPLY		

COUPLINGS

HYMAX 2

HYMAX 2 THREADED OUTLET

HYMAX 2 **Threaded Outlet** provides effective outlet solutions for a wide variety of piping types and diameters, joining pipes made of the same or different materials, and with a working range of up to 1.3".

Nominal Pipe Size: 1.5" - 12"



JABO#	SIZE	RANGE
*	1.5"	1.61-2.13
*	2"	2.10-3.03
*	3"	3.46-4.33
*	4"	4.25-5.63
*	6"	6.42-7.68
*	8"	8.54-9.84
*	10"	10.70-12.0
*	10"	10.96 - 12.26
*	12"	12.40-13.66
*	12"	13.15 - 14.41
NON RESTRAINT		
* NON STOCK CALL JABO SUPPLY		

OVAL FLANGE ADAPTER



JABO #	Size	
075-15860	1.5"	
075-15870	2"	

HYMAX GRIP®

Wide-Range Restraint Solutions

The HYMAX Grip products combine the patented technology of the HYMAX coupling with a unique restraint system to join plain end pipes while preventing any possible pipe movement. The unique radial gripping system and patented hydraulically assisted gasket will accommodate different pipe ODs, allowing for faster and more efficient installations. The HYMAX Grip, with its ductile iron body is a ready-to-use, out-of-the-box stab fit coupling suitable for most pipe types.

HYMAX GRIP®

SPHERICAL SPACERS

Type 304 Stainless Steel*

GASKET BRIDGE

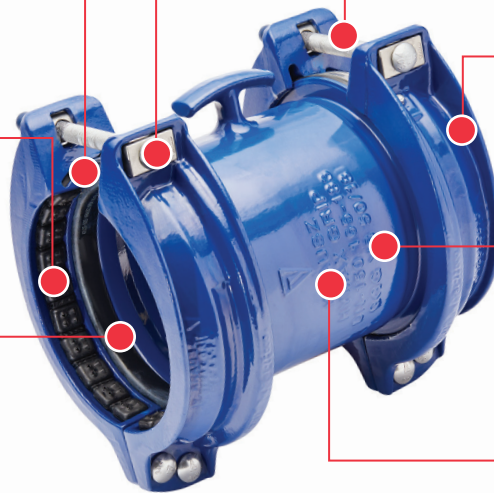
Type 304 Stainless Steel*

GRIP CHAIN

Restrains both metal & plastic pipes

GASKET

EPDM and NBR available, both are compounded for water and sewage. Meets NSF-61 and NSF-372 standards for contact with drinking water



NUTS & BOLTS

Type 304 Stainless Steel Rolled thread and anti-galling coating*

END RING

1.5" - 3" - Cast Steel
4" - 16" - Ductile Iron Casting

MIDDLE RING + T HANDLE

Ductile Iron Casting

COATING

100% fusion bonded epoxy for enhanced corrosion protection

Picture is based on HYMAX GRIP 4" - features may vary between different product sizes.
* HYMAX GRIP COUPLING sizes 1.5" - 12" and HYMAX GRIP FLANGE ADAPTOR sizes 1.5" - 12" will soon be available in 316 Stainless Steel hardware - Check for availability.

FEATURES

- 2 Bolt Design
- Wide Working Range
- Continuous Dynamic Deflection
- Premium Materials
- Dual Gripping System - Mechanical and Hydraulic

BENEFITS

- Faster and easier installation saving time and money
- Accommodates different pipe OD, reduces and simplifies inventory
- 4° per side minimizes risk of future pipe damage
- Durable and re-usable with multiple material options
- Prevents axial motion - No need for Thrust Blocks



* 304SS and 316SS pipe schedule 10 and higher



COUPLINGS

HYMAX GRIP COUPLINGS

HYMAX GRIP COUPLING

The **HYMAX Grip Coupling** is available in sizes 1.5” to 12” for joining plain end pipe while preventing any possible pipe movement with its unique radial gripping system and patented hydraulically assisted gasket. The HYMAX Grip Coupling is a ready to use, out of the box stab fit coupling suitable for most pipe types



Nominal Pipe Size: 2"-12'

JABO#	SIZE	RANGE
075-16860	2"	1.54-2.64
075-16870	2.5"	2.32-3.43
075-16880	3"	3.15-4.14
075-16890	4"	4.40-5.10
075-16900	6"	6.50-7.20
075-16910	8"	8.50-9.40
075-16920	10"	10.65-11.55
075-16930	12"	12.68-13.39
RESTRAINT		

HYMAX GRIP LARGE DIAMETER COUPLING

The **HYMAX Grip Large Diameter Couplings** are available in sizes 14” and 16” for joining plain end pipe while preventing any possible pipe movement with its unique radial gripping system and patented gasket.
Nominal Pipe Size: 14” - 16”



*NON STOCK CALL JABO SUPPLY

JABO#	SIZE	RANGE
*	14"	15.12 - 15.75
*	16"	17.25 - 17.88
RESTRAINT		

HYMAX GRIP SWIVEL JOINT

The **HYMAX Grip Swivel Joint** is a restraint coupling that can be rotated to provide any angle needed to join and restrain two plain end pipes. The HYMAX Grip Swivel Joint is a ready to use, out of the box and suitable for most pipe type



*NON STOCK CALL JABO SUPPLY

JABO#	SIZE	RANGE
075-25000	4"	4.40-5.10
075-25005	6"	6.50-7.20
075-25015	8"	8.50-9.40
*	10"	10.65-11.55
*	12"	12.68-13.39

COUPLINGS

HYMAX GRIP COUPLINGS

HYMAX GRIP FLANGE ADAPTER

The **HYMAX Grip Flange adapter** is designed to transition from a flanged device to a plain end pipe while providing restraint and preventing pipe pullout. The HYMAX Grip Flange Adapter is ready to use, out of the box without any assembly or disassembly required



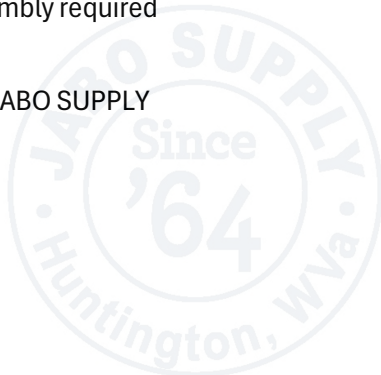
HYMAX GRIP FLANGE ADAPTOR NOMINAL SIZE 1.5"-2.5"

JABO#	ND (inch)	FLANGE OVAL	RANGE
*	1.5"/2"	1.5"	1.54-2.64
*	1.5"/2"	2"	1.54-2.64
*	2.5"	2"	2.32-3.43

HYMAX GRIP FLANGE ADAPTOR NOMINAL SIZE 4"-12"

JABO#	ND (inch)	RANGE
*	4"	4.40-5.10
*	6"	6.50-7.20
*	8"	8.50-9.40
*	10"	10.65-11.55
*	12"	12.68-13.39

*NON STOCK CALL JABO SUPPLY



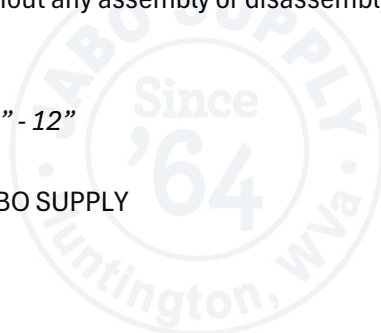
HYMAX GRIP END CAP

The **HYMAX Grip End Cap** is designed to temporarily or permanently cap a plain end pipe while providing restraint and preventing pipe pullout. The HYMAX Grip End Cap features a 2" NPT outlet as standard for flushing or adding a blow off valve. The HYMAX Grip Flange Adapter is ready to use, out of the box without any assembly or disassembly required.



Nominal Pipe Size: 1.5" - 12"

*NON STOCK CALL JABO SUPPLY



JABO#	ND (inch)	RANGE
*	1.5/2	1.54 - 2.64
*	3"	2.32 - 3.43
*	3"	3.15 - 4.17
075-19000	4"	4.40-5.10
075-19005	6"	6.50-7.20
075-19010	8"	8.50-9.40
*	10"	10.65-11.55
*	12"	12.68-13.39

HYMAX GRIP COUPLINGS

HYMAX GRIP REDUCER COUPLING

The **HYMAX Grip Reducer Coupling** is designed to transition two plain end pipes with different nominal diameters while providing restraint and preventing pipe pullout. The HYMAX Grip Reducer Coupling is ready to use, out of the box without any assembly or disassembly required.



*NON STOCK CALL JABO SUPPLY

JABO#	SIZE	RANGE
*	1.5"/2"x 2.5'	1.54-2.64
*	2.5"x 3"	2.32-3.43
*	3 x 4"	3.15-4.17
*	4" x 6"	4.40-5.10
*	6" x 8"	6.50-7.20
*	8"x 10"	8.50-9.40
*	10" x 12"	10.65-11.55

HYMAX GIP ELBOWS

The **HYMAX Grip Elbows** are available in 45 and 90 degree configurations for change of direction between two plain end pipes while providing restraint and preventing pipe pullout. The HYMAX Grip Elbows reduce or eliminate the need for thrust blocks when there is a change of direction in the pipe line. The HYMAX Grip Elbow is ready to use, out of the box without any assembly or disassembly requir



*NON STOCK CALL JABO SUPPLY

JABO#	SIZE	RANGE
*	4"	4.40-5.10
*	6"	6.50-7.20
*	8"	8.50-9.40
*	10"	10.65-11.55
*	12"	12.68-13.39
AVAIL IN BOTH 90/45		

HYMAX GRIP CATHODIC

The **HYMAX Grip Cathodic Coupling** is fitted with a single connection point allowing for electrical continuity through the entire coupling. This feature provides a single connection point for adding sacrificial anodes for additional corrosion protection. The Cathodic connection point is ready to use, out of the box without any assembly needed.



*NON STOCK CALL JABO SUPPLY

JABO#	SIZE	RANGE
*	1.5"/2"	1.54-2.64
*	3"	2.32-3.43
*	3"	3.15-4.17
*	4"	4.40-5.10
*	6"	6.50-7.20
*	8"	8.50-9.40
*	10"	10.65-11.55
*	12"	12.68-13.39

COUPLINGS

HYMAX GRIP COUPLINGS

HYMAX GRIP CUT IN SLEEVE (CONNECTS TO MECHANICAL SLEEVE)

The first **Transition Coupling** that can connect to a mechanical joint while restraining the connecting plain pipe with only one bolt to tighten.



*NON STOCK CALL JABO SUPPLY



JABO#	SIZE	RANGE
*	3"	3.15-4.17
*	4"	4.40-5.10
*	6"	6.50-7.20
*	8"	8.50-9.40
*	10"	10.65-11.55
*	12"	12.68-13.39

COUPLINGS

HYMAX® HYJOINT

Dismantling Joint

The HYMAX Hyjoint Dismantling Joint is user friendly design for connecting two flanged devices with a center radial closing mechanism allowing for longitudinal adjustment between flanges.

GASKET EPDM

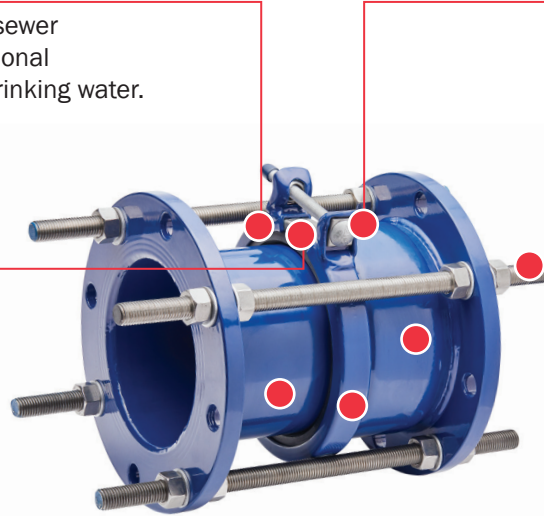
Compounded for water and sewer applications. Meets International standards for contact with drinking water.

GASKET BRIDGE

Type 304 Stainless Steel*

COATING

100% fusion bonded epoxy for enhanced corrosion protection. Average thickness 14 mil. Meets NSF-61 and NSF-372.



NUTS & BOLTS

304 Stainless Steel Rolled thread and antigalling coating

THREADED ROD & NUTS

304 Stainless Steel Rolled thread

BODY

2"-10" ASTM A53 Grade A Steel
12"-24" ASTM A283/A283M Grade C Steel

END RING

ASTM A283/A283M Grade C Steel

*Picture is based on HYJOINT 2" - 10". Features may vary between different product sizes.

FEATURES

- One bolt center closing ring
- Hydraulic Pressure Assisted Gasket
- Premium Materials

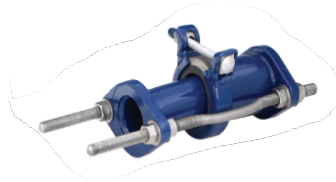
BENEFITS

- Quick and easy installation
- Standard EPDM gasket approved for drinking water
- Durable and re-usable providing superior corrosion resistance



COUPLINGS

HYMAX DISMANTLING COUPLINGS (FOR FLANGE PIPE)



2"



3-24"

ND (inch)	Length Min (inch)	Length Max (inch)	Working Pressure (PSI)	Part Number
2	8.27	11.42	175	811-56-0002-12
3	8.27	11.42	175	811-56-0003-12
4	8.27	11.42	175	811-56-0004-12
5	8.27	11.42	175	811-56-0005-12
6	8.27	11.42	175	811-56-0006-12
8	11.02	16.14	175	811-56-0008-12
10	11.02	16.14	175	811-56-0010-12
12	11.02	16.14	175	811-56-0012-12
14	11.02	16.14	175	811-56-0014-12
16	13.78	18.90	175	811-56-0016-12
18	13.78	18.90	175	811-56-0018-12
20	13.78	18.90	175	811-56-0020-12
24	13.78	18.90	175	811-56-0024-12

CALL JABO SUPPLY FOR ADDITIONAL INFORMATION

COUPLINGS

HYMAX® LARGE DIAMETER (HLD)

HYMAX Large Diameter (HLD)

The wide range HYMAX Large Diameter Coupling features a patented hydraulically assisted double layer gasket with wide working ranges to accommodate different pipe ODs, allowing for faster and more efficient installations. The HYMAX Large Diameter is a ready to use, out of the box stab fit coupling suitable for most pipe types.

CENTER PIN

Centers coupling between pipe and prevents coupling from drifting.

END RING

14"-16" - ASTM A 283 / A283M Grade C Steel. (or Ductile Iron Casting ASTM A536 grade 60-40-18) 18"-24" - ASTM A 283 / A283M Grade C Steel.

ONLY 4 TOP-FACING BOLTS

Type 304 Stainless Steel Rolled thread and Molecular Anti Galling (MAG)

CENTER RING

ASTM A283/A283M Grade C Steel

GASKET BRIDGE

Type 304 Stainless Steel

COATING

100% fusion bonded epoxy for enhanced corrosion protection. Average thickness 14 mil., meets NSF-61 and NSF-372 standards

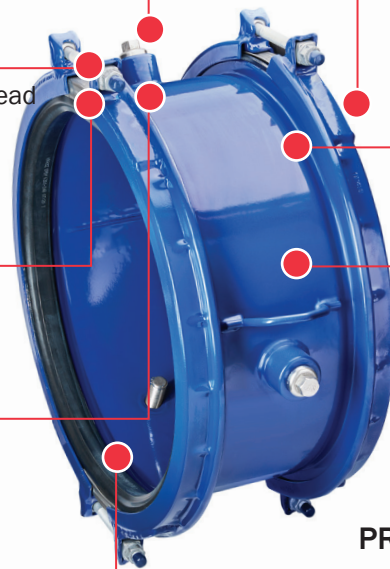
SPHERICAL SPACERS

Type 304 Stainless Steel

PROGRESSIVE HYDRAULICALLY-ASSISTED GASKET

EPDM, compounded for water and sewage, meets NSF-61 and NSF-372 standards for contact with drinking water

* Sizes 26"-60" with one-layer gasket available as Made To Order (MTO)



FEATURES

- 2 Bolt Design
- Double Layer Gasket
- Continuous Dynamic Deflection
- Wide Working Range

BENEFITS

- Faster and easier installation saving time and money
- Removable outer layer allowing transition between different pipe materials
- 4° per side minimizes risk of future pipe damage
- Reduces and simplifies inventory



* CAUTION - ASBESTOS AND OTHER MATERIALS MAY CAUSE CANCER AND DAMAGE TO LUNGS. DO NOT BREATHE DUST, AVOID CREATING DUST. Seek Expert Advice For Breathing Protection And Protective Equipment. Call OSHA 1-800-321-6742 for more information.



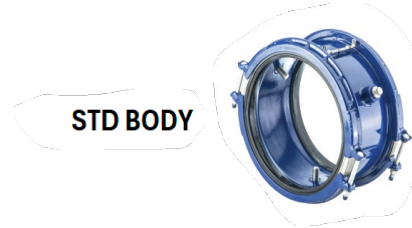
COUPLINGS

HYMAX LARGE DIAMETER COUPLINGS

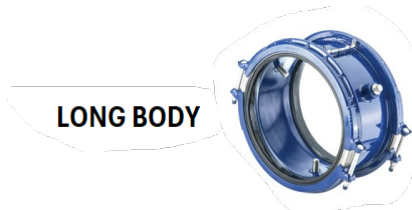
HYMAX LARGE DIAMETER COUPLING

AVAILABLE IN STANDARD & LONG BODY

*NON STOCK CALL JABO SUPPLY



JABO#	SIZE	RANGE
075-17000	14"	15.00-17.10
075-17005	16"	17.10-19.20
075-17010	18"	19.20-21.30
075-17015	20"	19.60-21.70
075-17020	20"	21.25-23.35
075-17025	24"	23.85-25.95
075-17030	24"	24.60-26.70
<i>HYMAX 26"-60" - MTO (MADE TO ORDER) AVAILABLE</i>		



JABO#	SIZE	RANGE
*	14"	15.00-17.10
*	16"	17.10-19.20
*	18"	19.20-21.30
*	20"	19.60-21.70
*	20"	21.25-23.35
*	24"	23.85-25.95
*	24"	24.60-26.70
<i>HYMAX 26"-60" - MTO (MADE TO ORDER) AVAILABLE</i>		

HYMAX LARGE DIAMETER COUPLINGS

HYMAX LARGE DIAMETER (HLD) FLANGE ADAPTER

AVAILABLE IN STANDARD & LONG BODY

*NON STOCK CALL JABO SUPPLY



STD BODY



JABO#	SIZE	RANGE
		15.00-17.10
*	16"	17.10-19.20
*	18"	19.20-21.30
*	20"	19.60-21.70
*	20"	21.25-23.35
*	24"	23.85-25.95
*	24"	24.60-26.70

LONG BODY

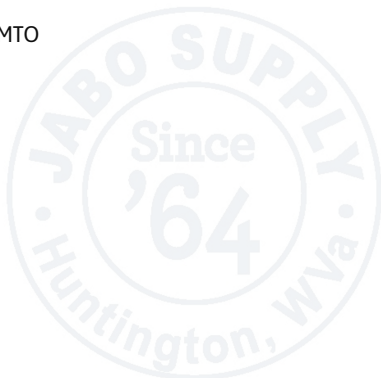


JABO#	SIZE	RANGE
*	14"	15.00-17.10
*	16"	17.10-19.20
*	18"	19.20-21.30
*	20"	19.60-21.70
*	20"	21.25-23.35
*	24"	23.85-25.95
*	24"	24.60-26.70

HYMAX REDUCER LARGE DIAMETER

HYMAX REDUCER NOMINAL SIZE 26"-60" - MTO
(MADE TO ORDER)

*NON STOCK CALL JABO SUPPLY



JABO#	SIZE	RANGE
*	14" x 16"	15.00-17.10
*	16" x 18"	17.10-19.20
*	18" x 20"	19.20-21.30
*	20" x 24"	21.25-23.35
*	20" x 24"	21.25-23.35



JABO SUPPLY



SMITH BLAIR TOP BOLT COUPLINGS

COUPLINGS



Top Bolt®

2 Bolt Coupling System

PATENT NO. 8,528,945 / 8,776,351 / 8,789,832

421

422

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)

[Sales Terms & Conditions](#)

[Freight Policy](#)

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[Corrosion & Product Selection Notice](#)

Description: Two bolt, stab fit coupling featuring removable/replaceable inner gaskets to expand range of product and reduce number of SKUs that must be stocked. Standard length sleeve 421, and long sleeve version 422.

Application: Joining plain end pipe

Key Features:

- Easy to install — One bolt on each end to tighten
- Removable inner gasket for larger O.D.s
- Bi-directional inner gasket can be reinstalled
- Corrugated armor — reduces friction between gasket and armor, thus allowing better gasket seating; prevents armor from gouging flange finish, thus reducing possible corrosion point
- Wide range - Up to 1.31 inches
- Reduces inventory by having wide range
- Deflection 4° per end
- Lightweight
- Stab insertion of pipe ends
- Corrosion resistant Flexi-Coat® Epoxy Finish
- Epoxy coated 304 Stainless Steel hardware and fluoropolymer coated nuts to reduce galling
- Connectors available for additional corrosion protection using anodes
- Easily disassembled when necessary

Materials Specifications (subject to change):

SLEEVE: Carbon Steel

FLANGES: Carbon Steel

ARMOR: Half hard 304 Stainless Steel

GASKET: Nitrile (Buna N)

BOLTS: Type 304 Stainless Steel with Flexi-Coat® Fusion Bonded Epoxy Finish

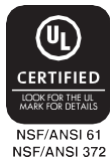
NUTS: Heavy hex Type 304 Stainless Steel with fluoropolymer finish to prevent galling

FINISH: Flexi-Coat® Fusion Bonded Epoxy Finish

Working Pressure: Up to 250 PSI

Pipe Applications: Steel, PVC, Ductile Iron, Asbestos Cement and Copper tube sizes

Sizes (in inches): 2, 3, 4, 6, 8, 10, 12, 16, 24 and oversize version of 10", 12" 16", and 24"



COUPLINGS

SMITH BLAIR TOP BOLT

421 STANDARD BODY

Catalog Number is Smith Blair #



Nom Size (in.)	Catalog Number	Overall Range (in.)	Lower Range (in.)	Upper Range (in.)
2	421-02130295-031	2.13-2.95	2.13-2.60	2.50-2.95
3	421-03100420-031	3.10-4.20	3.10-3.56	3.70-4.20
4	421-04460560-031	4.46-5.60	4.46-5.05	5.00-5.60
6	421-06560760-031	6.56-7.60	6.56-7.05	7.00-7.60
8	421-08540985-031	8.54-9.85	8.54-9.15	9.15-9.85
10	421-10641183-031	10.64-11.83	10.64-11.18	11.13-11.83
10 OS*	421-10641220-031	10.64-12.20	10" Side: 10.64-11.18	10" Side: 11.13-11.83
			10" OS Side: 11.05-11.56	10" OS Side: 11.56-12.20
12	421-12621367-031	12.62-13.67	12.62-13.06	13.10-13.67
12 OS*	421-12621440-031	12.62-14.40	12" Side: 12.62-13.06	12" Side: 13.10-13.67
			12" OS Side: 13.14-13.78	12" OS Side: 13.73-14.40
16	421-16001785-031	16.00-17.85	16.00-16.50	17.35-17.85
16 OS*	421-16001920-031	16.00-19.20	16" Side: 16.00-16.50	16" Side: 17.35-17.85
			16" OS Side: 17.15-17.95	16" OS Side: 18.45-19.20
24	421-24002632-031	24.00-26.32	24.00-24.80	25.25-26.32
24 OS*	421-24002732-031	24.00-27.32	24" Side: 24.00-24.80	24" Side: 25.25-26.32
			24" OS Side: 25.00-25.80	24" OS Side: 26.25-27.32

JABO#	SIZE	OVERALL RANGE
073-20822	2"	2.13-2.95
073-20826	3"	3.10-4.20
073-20830	4"	4.46-5.60
073-20834	6"	6.56-7.60
073-20838	8"	8.54-8.85
073-20842	10"	10.64-11.83
073-20846	10" OS	10.64-12.20
073-20850	12"	12.62-13.67
073-20854	12" OS	12.62-14.40
073-20858	16"	16.00-17.85
*	16" OS	16.00-19.20
073-20862	24"	24.00-26.32
*	24" OS	24.00-27.32
NON RESTRAINT		
*NON STOCK CALL JABO SUPPLY		

422 LONG BODY

Nom Size	Catalog Number	Overall Range (in.)	Lower Range	Upper Range
2	422-02130295-031	2.13-2.95	2.13-2.60	2.50-2.95
3	422-03100420-031	3.10-4.20	3.10-3.56	3.70-4.20
4	422-04460560-031	4.46-5.60	4.46-5.05	5.00-5.60
6	422-06560760-031	6.56-7.60	6.56-7.05	7.00-7.60
8	422-08540985-031	8.54-9.85	8.54-9.15	9.15-9.85
10	422-10641183-031	10.64-11.83	10.64-11.18	11.13-11.83
12	422-12621367-031	12.62-13.67	12.62-13.06	13.10-13.67



JABO	SIZE	OVERALL RANGE
073-20866	2"	2.13-2.95
073-20870	3"	3.10-4.20
073-20874	4"	4.46-5.60
073-20878	6"	6.56-7.60
073-20882	8"	8.54-8.85
073-20886	10"	10.64-11.83
073-20890	12"	12.62-13.67



JABO SUPPLY

CALL JABO SUPPLY FOR ALL YOUR WATER WORKS NEEDS



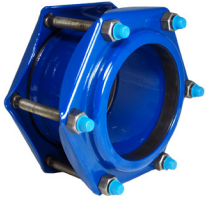
JABO SUPPLY



Smith-Blair
a xylem brand

411 BOLTED COUPLINGS

COUPLINGS



Steel Fabricated Coupling

Straight Connection

411

IMPORTANT LINKS

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THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: A bolted sleeve type coupling for joining plain end pipe of the same diameters.

Application: Joining plain end pipe without the need for welding or special pipe fittings.

Key Features:

- Meets applicable AWWA C219 Standards
- Allows for limited expansion and contraction
- Will dampen vibration to reduce pipe fatigue
- Easy to install, no special pipe end preparation required
- Available in a wide variety of pipe O.D. sizes and sleeve lengths
- Most sizes will accommodate anchor studs to restrain the joints
- Can be custom made to fit odd O.D.s or other unusual applications
- Provided with or without pipe stops to accommodate customer needs
- Has good deflection capabilities, allows change in piping direction without the need of elbows, bends
- Steel sizes built to specific O.D. and Ductile Iron sizes are built with range to accommodate the variances in Ductile Iron pipe O.D.s

Materials Specifications (subject to change):

SLEEVE: ASTM A53, ASTM A512 or Carbon Steel having minimum yield of 30,000 PSI

FOLLOWERS: Ductile Iron ASTM A536, Steel AISI C 1020, or A715 Grade 80 HSLA Steel. Designed for a high strength-to-weight ratio. Follower thickness determined by coupling size

BOLTS & NUTS: High strength, low alloy Steel with heavy semi-finished hexagon nuts *Optional: Stainless Steel and Carbon Steel ASTM A307 electro-galvanized with di-chromate seal*

GASKET: Nitrile (Buna N) NSF 61 compounded to produce superior storage and performance characteristics while resisting water, acids, alkalis, most (aliphatic) hydrocarbon fluids, and other chemicals

Temperature Range: -20°F to 180°F

FINISH: Flexi-Coat® Fusion Bonded Epoxy Finish

Working Pressure: Up to 150 PSI

Pipe Applications: All Types. HDPE requires use of stiffeners. Contact Smith-Blair Engineering for any questions.

Sizes (in inches): ½, ¾, 1, 1¼, 1½, 2, 2½, 3, 3-4, 4, 4-5, 6, 8, 10, 12, 12-14, 14, 16, 18, 20, 24, 30, 36, 42, 48, 54. NOTE: Larger sizes available upon request.

COUPLINGS

411 BOLTED COUPLING

SMITH 411 COUPLING STEEL PIPE

JABO #	NOMINAL	OD (inches)	LENGTH	NUMBER
	SIZE (inches)	(inches)	(inches)	BOLTS
073-18502	1/2"	0.84	7"	2
073-18518	3/4"	1.05	7"	2
073-18538	1"	1.32	7"	2
073-18558	1-1/4"	1.66	7"	2
073-18578	1-1/2"	1.90	7"	2
*	2"	2.38	5"	2
073-18618			7"	2
073-18646			12"	3
073-18722	2-1/2"	2.88	5"	3
*	3"	3	5"	3
073-18778	3"	3.5	5"	4
*			7"	3
073-19978			12"	3
*	3-1/2"-4	4	5"	3
073-19990	4"	4.5	5"	4
*			7"	4
073-20014			12"	4
*			16"	4
*			24"	4
*	4-1/2"-5"	5	5"	4
073-18910	5"	5.56	5"	4
*			7"	4
*			10"	4
*			16"	4
*			24"	4
073-20042	6"	6.63	5"	6
073-20078			7"	6
*			10"	6
*			16"	6
*	24"	6		
073-20086	8"	8.63	5"	6
*			7"	6
*			10"	6
073-20122			16"	6
*	24"			

JABO #	NOMINAL	OD (inches)	LENGTH	NUMBER
	SIZE (inches)	(inches)	(inches)	BOLTS
073-20142	10"	10.75	5"	8
			7"	8
			10"	8
073-20182			16"	8
*	24"	8		
*	12"	12.00	5"	8
*			7"	8
*			10"	8
*			16"	8
*			24"	8
073-20194	12"	12.75	5"	8
*			7"	8
*			10"	8
073-20242	14"	14.00	16"	8
*			24"	8
*			5"	6
073-19134	14"	14.00	7"	6
			10"	6
*			16"	6
			24"	6
073-19246	16"	16.00	7"	8
			10"	8
*			16"	8
*			24"	8
073-19374	18"	18.00	7"	8
*			10"	8
*			16"	8
	24"	8		
073-19494	20"	20.00	7"	10
			10"	10
*			16"	10
			24"	10
*	22"	22.00	7"	10
			10"	10
			16"	10
			24"	10
073-19666	24"	24.00	7"	10
*			10"	10
*		24.00	16"	10
*			24"	10



COUPLINGS

411 BOLTED COUPLING

SMITH 411 COUPLING DUCTILE IRON / CAST IRON

JABO #	NOMINAL SIZE (inches)	OD (inches)	LENGTH (inches)	NUMBER BOLTS
*	2	2.34-2.56	7"	2
*			10"	
*	2-1/2"	2.75-2.88	7"	3
*			10"	3
*	3"	3.75-3.86	7"	3
*			10"	4
*	3"-4"	3.87-4.04	7"	4
*			10"	4
*	4"	4.07-4.19	7"	4
*			10"	4
*	4"	4.74-5.06	7"	4
*			10"	4
*	5"	5.00-5.16	7"	4
*			10"	4
*	6"	6.84-6.96	7"	5
*			10"	5
*	6"	7.04-7.16	7"	5
*			10"	5
*			7"	5
*	6"	7.14-7.26	10"	5
*			7"	6
*	8"	8.91-9.30	10"	6
*			7"	6
*	8"	9.30-9.50	10"	6
*			7"	7
*	10"	11.04-11.16	10"	7
*			7"	7
*	10"	11.34-11.46	10"	7
*			7"	8
*	10"	11.84-12.00	10"	8
*			7"	8
*	12"	13.14-13.26	10"	8
*			7"	8
*	12"	13.44-13.56	10"	8
*			7"	8
*	12-14"	13.88-14.06	10"	8
*			7"	8

*NON STOCK CALL JABO SUPPLY

JABO #	NOMINAL SIZE (inches)	OD (inches)	LENGTH (inches)	NUMBER BOLTS
*	14"	15.30	7"	8
*			16"	8
*			24"	8
*	14"	15.65	7"	6
*			10"	6
*			16"	6
*			24"	6
*	16"	17.40	7"	8
*			10"	8
*			16"	8
*			24"	8
*	16"	17.80	7"	8
*			10"	8
*			16"	8
*			24"	8
*	18"	19.50	7"	10
*			10"	10
*			16"	10
*			24"	10
*	18"	19.92	7"	10
*			10"	10
*			16"	10
*			24"	10
*	20"	21.60	7"	10
*			10"	10
*			16"	10
*			24"	10
*	20"	22.06	7"	10
*			10"	10
*			16"	10
*			24"	10
*	24"	25.80	7"	12
*			10"	12
*			16"	12
*			24"	12
*	24"	26.32	7"	12
*			10"	12
*			16"	12
*			24"	12



COUPLINGS

411 BOLTED COUPLINGS

525 ADAPTER GASKETS

525 Adapter Gaskets can be used on 411 small diameter (1/2"-2") bolted coupling. Bolts will need to be removed to replace the gasket

ADAPTER GASKETS FOR CTS

JABO #	NOMINAL	NOTES
	SIZE (inches)	
073-00398	1/2"	<i>GASKETS CAN BE USED ON 411 BOLTED COUPLINGS TO CONVERT TO CTS</i>
073-00342	3/4"	
073-00346	1"	
073-00350	1-1/4"	
073-00354	1-1/2"	
073-00358	2"	



JABO SUPPLY



905 HUGGER COUPLING



995 HUGGER COUPLING




99 ROUSTABOUT COUPLING

VICTAULIC COUPLINGS

COUPLINGS

VICTAULIC COUPLINGS

905 HUGGER


VICTAULIC COUPLING	
	
JABO PART#	
070-93320	2"
*	2-1/2"
070-93330	3"
070-93340	4"
*	5"
070-93360	6"
070-93380	8"
070-93381	10"
070-93382	12"
*	14"
AVAILABLE 2-14" IPS LARGER 14" SEE 995	
DESIGNED FOR PLAIN END HDPE SDR 7-SDR 26	
PSI RATING MEETS OR EXCEEDS CAPACITY OF THE PIPE	
REPLACES THE 995 HUGGER COUPLING	

995 HUGGER

VICTAULIC COUPLING	
	
070-93010	14"
070-93020	16"
070-93030	18"
070-93035	20"

SMALLER SIZES SEE 905

99 ROUSTABOUT

VICTAULIC COUPLING	
	
	SIZE
070-93100	1-1/2"
070-93110	2"
070-93120	2-1/2"
070-93130	3"
070-93150	4"
070-93160	5"
070-93170	6"
070-93180	8"
070-93190	10"
070-93200	12"
070-93210	14"
070-93220	16"
070-93240	18"
AVAILABLE 1-18"	
STEEL PIPE PLAIN END	
PRESSURES 750 PSI	
NOT DESIGNED FOR PLASTIC PIPES	



JABO SUPPLY



GALVANIZED COMPRESSION COUPLINGS

COUPLINGS



Compression Coupling

525

IMPORTANT LINKS

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THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: A ductile or malleable iron coupling with threaded ends that seal to the pipe when turned.

Application: Joining plain end pipe of the same diameter.

Key Features:

- Stab fit for easier installation
- Galvanized finish for additional corrosion resistance
- Ductile or malleable iron metal parts for strength and corrosion resistance
- May be used in most water, wastewater and industrial applications
- Wrench flats on the nuts and sleeve help with holding the coupling during tightening
- The retainer cup holds the gasket in place and concentrates gasket compression where it is needed most
- The compression coupling may be used in conjunction with Smith-Blair adapter gaskets to join Copper pipe
- Protected gasket extends the life of the gasket and provides electrical continuity between the pipe and the coupling
- Deflection of 2° per end allows for pipe movement and installation on pipe that is not perfectly aligned

Materials Specifications (subject to change):

SLEEVE: Ductile Iron or malleable iron

GASKET

COMPRESSION NUT: Ductile Iron or malleable iron

FINISH: Galvanized

NOTE: Product not recommended for natural gas service.

Working Pressure: Up to 150 PSI

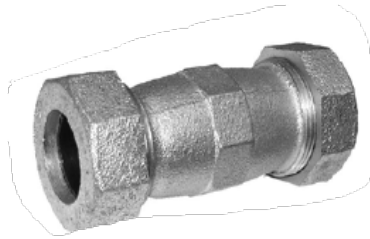
Pipe Applications: PVC, Copper (with adapter gasket), Steel

Sizes (in inches): ½, ¾, 1, 1¼, 1½, 2

COUPLINGS

GALVANIZED COMPRESSION COUPLINGS

525 COMPRESSION COUPLINGS

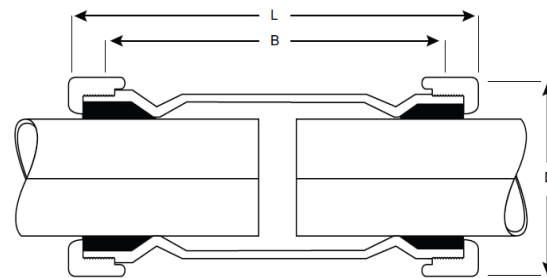


COUPLINGS FOR IPS

JABO #	NOMINAL	OD (inches)
	SIZE (inches)	(inches)
073-23326	1/2"	0.84
073-23330	3/4"	1.05
073-23334	1"	1.32
073-23338	1-1/4"	1.66
073-23342	1-1/2"	1.9
073-23346	2"	2.375

Dimensional Chart

NOM. PIPE SIZE INCHES	PIPE OD INCHES	DIMENSION INCHES		
		B	D	L
1/2	0.840	3.35	1.68	4.13
3/4	1.050	3.62	1.94	4.33
1	1.315	4.00	2.21	4.53
1 1/4	1.660	4.00	2.61	4.72
1 1/2	1.900	4.00	2.94	4.92
2	2.375	4.44	3.56	5.31



525 ADAPTER GASKETS

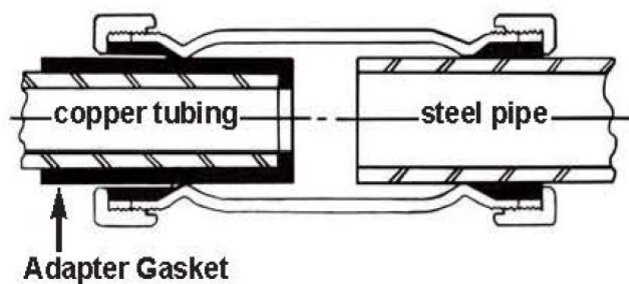
ADAPTS FROM IPS TO CTS

Adapter Gaskets

NOM. PIPE SIZE INCHES	U.S.	
	STEEL PIPE O.D. INCHES	COPPER TUBING O.D. INCHES
1/2	0.84	0.63
3/4	1.05	0.88
1	1.32	1.13
1 1/4	1.66	1.38
1 1/2	1.90	1.63
2	2.38	2.13

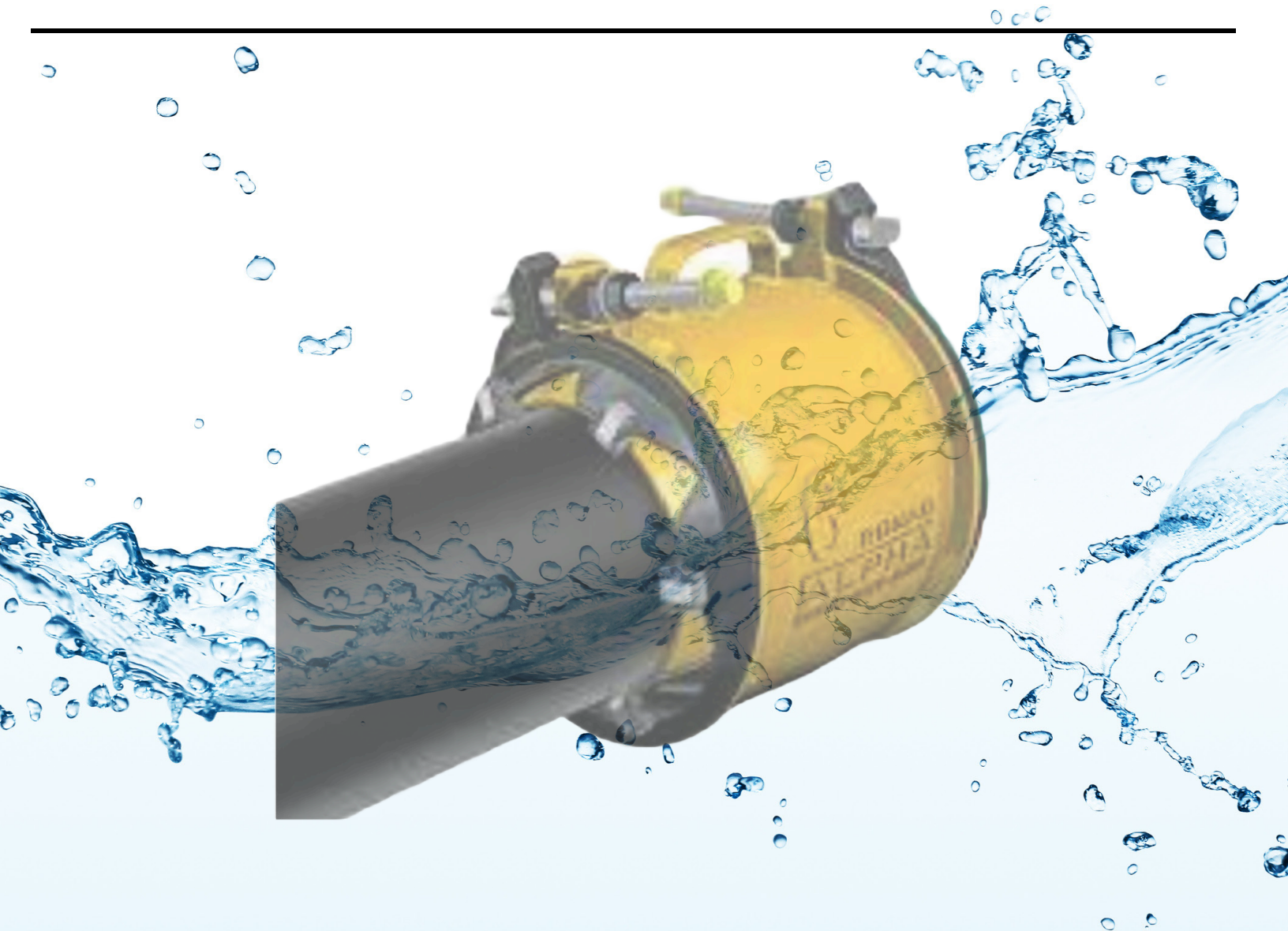
ADAPTER GASKETS FOR CTS

JABO #	NOMINAL	NOTES
	SIZE (inches)	
073-00398	1/2"	GASKETS CAN BE USED ON 411 BOLTED COUPLINGS TO CONVERT TO CTS
073-00342	3/4"	
073-00346	1"	
073-00350	1-1/4"	
073-00354	1-1/2"	
073-00358	2"	





JABO SUPPLY



ROMAC ALPHA COUPLINGS

COUPLINGS

ROMAC ALPHA COUPLINGS

Call Jabo supply for all your Romac Alpha Coupling needs.
Alpha Couplings are non -stock

**ALPHA**

Wide range pipe coupling with built-in restraint.

Nominal Sizes

4 - 12 inches, 16 inches

Working Pressure

Up to 350 psi

Pipe Compatibility

Ductile Iron, Cast Iron, PVC and HDPE pipe

ALPHA EC

Wide range pipe end cap with built-in restraint.

Nominal Sizes

4 - 12 inches, 16 inches

Working Pressure

Up to 350 psi

Pipe Compatibility

Ductile Iron, Cast Iron, PVC and HDPE pipe

COUPLINGS

ROMAC ALPHA COUPLINGS

**ALPHA FC**

Wide range flange coupling adapter with built-in restraint.

Nominal Sizes

4 - 12 inches

Working Pressure

Up to 350 psi

Pipe Compatibility

Ductile Iron, Cast Iron, PVC and HDPE pipe

**ALPHA TEE**

Wide range restrained fitting.

Nominal Sizes

6 - 12 inches

Working Pressure

Up to 350 psi

Pipe Compatibility

Ductile Iron, PVC and HDPE pipe

COUPLINGS

ROMAC ALPHA COUPLINGS

**ALPHA 45**

Wide range 45° restrained fitting.

Nominal Sizes

4 - 12 inches

Working Pressure

Up to 350 psi

Pipe Compatibility

Ductile Iron, PVC and HDPE pipe

SADDLES

JABO SUPPLY SADDLES



SADDLES

NOTES





SADDLES

PICTURE INDEX SADDLES

BRASS





HINGE BRASS SADDLE	HINGE BRASS SADDLE	TWO BOLT BRASS SADDLE	TWO BOLT BRASS SADDLE
C900 PIPE CC OUTLET (4"-8")	C900 PIPE NPT OUTLET (4"-8")	C900 PIPE CC OUTLET 10"-12"	C900 PIPE NPT OUTLET 10"-12"
			
Page 136	Page 136	Page 136	Page 136
HINGE BRASS SADDLE	HINGE BRASS SADDLE	TWO BOLT BRASS SADDLE	TWO BOLT BRASS SADDLE
PVC IPS PIPE CC OUTLET (4"-8")	PVC IPS PIPE NPT OUTLET (4"-8")	PVC IPS PIPE CC OUTLET 10"-12"	PVC IPS PIPE NPT OUTLET 10"-12"
			
CC TAP	NPT TAP	CC TAP	NPT TAP
Page 137	Page 137	Page 137	Page 137

BALE

TWO STRAP BALE	TWO STRAP BALE	TWO STRAP BALE	TWO STRAP BALE
313 SMITH BLAIR	313 SMITH BLAIR	402 JCM	402 JCM
DI, CAST, STEEL cc OUTLET	DI, CAST, STEEL NPT OUTLET	DI, CAST, STEEL cc OUTLET	DI, CAST, STEEL NPT OUTLET
			
CC TAP	NPT TAP	CC TAP	NPT TAP
Page 139	Pages 140-141	Page 144	Page 145

PICTURE INDEX SADDLES





TWO STRAP SS

TWO STRAP SS	TWO STRAP SS	TWO STRAP SS	TWO STRAP SS
317 SMITH BLAIR	317 SMITH BLAIR	406 JCM	406 JCM
STEEL, DI, CAST, AC, HDPE CC OUTLET	STEEL, DI, CAST, AC, HDPE NPT OUTLET	STEEL, DI, CAST, AC, HDPE CC OUTLET	STEEL, DI, CAST, AC, HDPE NPT OUTLET
			
CC TAP	NPT TAP	CC TAP	NPT TAP
Page 145	Page 148-149	Page 152	Page 153

WIDE RANGE SERVICE SADDLES & REPAIR CLAMP WITH OUTLET

T3 WIDE RANGE	WIDE RANGE RC W/OUTLET		
SERVICE SADDLE CC OUTLET	QUICK CAM WITH OUTLET		
			
Pages 156	Page 156		

STANDARD RANGE REPAIR CLAMPS WITH OUTLET

238 OUTLET CLAMP	238 OUTLET CLAMP	264 OUTLET CLAMP	264 OUTLET CLAMP
CC OUTLET	NPT OUTLET	CC OUTLET	NPT OUTLET
			
Pages 158-159	Pages 159-160	Page 162	Page 163

SADDLES

OD PIPE CHART

FOR RECOMMENDATION ONLY

STEEL PIPE & STEEL SIZE PVC

SIZE	STD	IPS	SIZE	STD
INCHES	(SCH 40)		INCHES	(SCH 40)
1/2	0.84		4	4.50
3/4	1.05		4-1/2	5.00
1	1.32		5	5.56
1-1/4	1.66		6	6.63
1-1/2	1.90		8	8.63
2	2.38		9	9.63
2-1/2	2.88		10	10.75
3	3.50		12	12.75
3-1/2	4.00	14	14.00	

STD (SCH 40) STEEL PIPE 14" ABOVE THE NOMINAL SIZE IS THE O.D.) (16=16.00 OD ,,,ETC

COPPER TUBING

SIZE	PIPE O.D.
INCHES	(INCHES)
3/8	0.56
1/2	0.63
5/8	0.75
3/4	0.88
1	1.13
1-1/4	1.38
1-1/2	1.63
2	2.13
2-1/2	2.63
3	3.13
4	4.13
5	5.13
6	6.13

DI, C900, CAST IRON

DI, C900, CAST IRON	
SIZE	PIPE O.D.
INCHES	INCHES
4	4.80
6	6.90
8	9.05
10	11.10
12	13.20
14	15.30



ASBESTOS PIPE 4-16"

SIZE INCHES	CLASS	AC TRANITE		AC SIMPLEX	
		MACHINE	RB	MACHINE	RB
		END	MIN-MAX	END	MIN-MAX
4	100	4.64	4.79-5.14	4.70	4.95
	150	4.81	4.97-5.27	4.85	5.10
	200	4.81	5.22-5.77	5.20	5.45
6	100	6.91	7.05-7.40	6.76	7.01
	150	6.91	7.07-7.37	6.95	7.20
	200	6.91	7.26-7.56	7.50	7.75
8	100	9.11	9.22-9.57	8.80	9.13
	150	9.11	9.27-9.57	9.15	9.40
	200	9.11	9.39-9.74	9.76	10.01
10	100	11.24	11.42-11.77	11.18	11.43
	150	11.66	11.82-12.12	11.70	11.95
	200	11.66	11.77-12.12	12.20	12.45
12	100	13.44	13.69-14.04	13.36	13.61
	150	13.92	14.08-14.38	13.96	14.21
	200	13.92	14.03-14.38	14.46	14.72
14	100	15.07	15.40-15.80	15.56	15.94
	150	16.22	16.38-16.73	16.26	16.64
	200	16.22	16.48-16.88	16.88	17.26
16	100	17.15	17.54-17.94	17.76	18.14
	150	18.46	18.62-18.97	18.50	18.88
	200	18.46	18.79-19.19	19.30	19.68

PIT CAST

PIT CAST PIPE ONLY			
SIZE	NOT CURRENT MANUFACTURE OR STD		
INCHES	CLASS A	CLASS B	CLASS C / D
3	3.8	3.96	3.96
4	4.8	5.00	5.00
6	6.9	7.10	7.10
8	9.05	9.05	9.30
10	11.1	11.10	11.40
12	13.2	13.20	13.50
14	15.3	15.30	15.65
16	17.4	17.40	17.80

ASBESTOS PIPE 18"

CLASS	AC TRANITE		AC SIMPLEX	
	ME	RB MIN-MAX	ME	RB MIN-MAX
100	19.90	20.44	NA	NA
150	20.94	21.20	NA	NA
200	NA	NA	NA	NA

ASBESTOS PIPE 20"				
100	21.12	22.5	NA	NA
150	23.28	23.54	NA	NA
200	NA	NA	NA	NA

JABO SUPPLY DOES NOT WARRANTY OR GUARANTEE MANUFACTURED PIPE SIZES

SADDLES

REFERENCE GUIDE FOR MOST COMMONLY USED SADDLES

BRASS
CAMBRIDGE BRASS HINGE
CAMBRIDGE BRASS 2 BOLT
TYPES OF PIPE
C900-SPECIFIC FOR C900
IPS PVC SPECIFIC FOR IPS

BALE SADDLES
SMITH BLAIR 313
JCM 402
TYPES OF PIPE
Steel
Ductile Iron
Cast Iron

DOUBLE STAINLESS STEEL STRAP
SMITH BLAIR 317
JCM 406
TYPES OF PIPE
Steel
Ductile Iron
Cast Iron
Asbestos Cement
PVC
HDPE "Needs Spring Washer"

238 REPAIR CLAMP W/OUTLET
Steel
Ductile Iron
Cast Iron
Asbestos Cement
PVC
HDPE "Needs Spring Washer"

T3 SERVICE SADDLE
Steel
Ductile Iron
Cast Iron
Asbestos Cement
PVC
HDPE "Needs Spring Washer"

264 REPAIR CLAMP W/OUTLET
Steel
Ductile Iron
Cast Iron
Asbestos Cement
PVC
HDPE "Needs Spring Washer"

CROSS REFERENCE

Service Saddles	Smith-Blair	Dresser	Ford	Romac	JCM	PowerSeal
Single Carbon Steel Bale - Iron Body	311	291	F101	(101U),101NU	(401),407	3411DI
Double Carbon Steel Bale - Iron Body	313	291	F202	(202U),202NU	(402),408	3413
Single Stainless Steel Strap - Iron Body	315	-	FC101,FS101	(101S),101NU	(403),405	3415
Double Stainless Steel Straps - Iron Body	317	-	FCD202	(202S),202NS	(404),406	3417DI
Wide Stainless Steel Strap - Bronze Body	325-000	-	202BS	-	-	(3409),(3407)
Double Stainless Steel Straps - Bronze Body	325-100	-	202BSD	202BS	-	3409
Repair, Double Carbon Steel Bale - Iron Body	331	-	FR202	-	-	-
Double Stainless Steel Straps, Large Tap - Iron Body O.D specific for PVC and Steel Pipe	357	-	(FS202),(F202)	-	-	-
Double Carbon Steel Bale - Iron Body For Concrete Cylinder Pipe	362	-	-	-	425	-
Triple Carbon Steel Bale - Iron Body For Large Diameter Pipe	366	-	-	-	(418)	-
Single Stainless Steel Stud - All Stainless	371	-	FS303,FS313	304	-	3411AS
Double Stainless Steel Stud - All Stainless	372	-	FS303,FS313	306	502	3412AS
Wide Stainless Steel Strap - Iron Body O.D. Specific for PVC or Ductile Iron	397	-	FC202	-	-	3417SW

SADDLES

BRASS SADDLES C900

PIPE APPLICATION C900 ONLY

Hinged Service Saddles are designed to give a positive water-tight seal with full support to the PVC pipe, without cracking or distorting the pipe. The pressure capabilities equal, but do not exceed the working pressure rating of the PVC pipe up to 200 PSIG. Installation instructions are provided with saddle. Please read and follow all instructions to ensure long lasting performance.

FITS C900 PIPE

BRASS SADDLE CC OUTLET



JABO#	PIPE SIZE	CC OUTLET
031-23796	4"	3/4"
031-23800		1"
*		1-1/2"
*		2"
031-23864	6"	3/4"
031-23868		1"
*		1-1/2"
		2"
031-23876	8"	3/4"
031-23928		1"
031-23932		1-1/2"
*		2"
031-23992	10"	3/4"
031-23996		1"
*		1-1/2"
*		2"
031-24056	12"	3/4"
031-24060		1"
*		1-1/2"
*		2"

***NON STOCK CALL JABO SUPPLY**

4-8" HINGE SADDLE 10-12" 2-BOLT

FITS C900 PIPE

BRASS SADDLE NPT OUTLET



JABO#	PIPE SIZE	NPT OUTLET
031-23812	4"	3/4"
031-23816		1"
*		1-1/2"
031-23824		2"
031-23880	6"	3/4"
031-23884		1"
*		1-1/2"
		2"
031-23892	8"	3/4"
031-23944		1"
031-23948		1-1/2"
*		2"
031-23956	10"	3/4"
		1"
031-24012		1-1/2"
*		2"
031-24020	12"	3/4"
031-24072		1"
031-24076		1-1/2"
*		2"
031-24084		

***NON STOCK CALL JABO SUPPLY**

4-8" HINGE SADDLE 10-12" 2-BOLT

SADDLES

BRASS SADDLES PVC IPS PIPE

PIPE APPLICATION PVC IPS ONLY

Hinged Service Saddles are designed to give a positive water-tight seal with full support to the PVC pipe, without cracking or distorting the pipe. The pressure capabilities equal, but do not exceed the working pressure rating of the PVC pipe up to 200 PSIG. Installation instructions are provided with saddle. Please read and follow all instructions to ensure long lasting performance.

FITS PVC IPS PIPE

BRASS SADDLE CC OUTLET



JABO#	PIPE SIZE	CC OUTLET
031-23716	2"	3/4"
031-23720	2"	1"
*	2-1/2"	3/4"
*	2-1/2"	1"
031-23748	3"	3/4"
031-23752	3"	1"
031-23764	4"	3/4"
031-23768		1"
*		1-1/2"
*		2"
031-23828	6"	3/4"
031-23832		1"
*		1-1/2"
*		2"
031-23896	8"	3/4"
031-23900		1"
*		1-1/2"
*		2"
031-23960	10"	3/4"
031-23964		1"
*		1-1/2"
*		2"
*	12"	3/4"
*		1"
*		1-1/2"
*		2"

PVC IPS

CC OUTLET

***NON STOCK CALL JABO SUPPLY**

4-8" HINGE SADDLE 10-12" 2-BOLT

FITS PVC IPS PIPE

BRASS SADDLE NPT OUTLET



JABO#	PIPE SIZE	NPT OUTLET
031-23724	2"	3/4"
031-23728	2"	1"
*	2-1/2"	3/4"
031-23744	2-1/2"	1"
031-23756	3"	3/4"
031-23760	3"	1"
031-23762	3"	2"
031-23780	4"	3/4"
031-23784		1"
*		1-1/2"
031-23792		2"
031-23844	6"	3/4"
031-23848		1"
*		1-1/2"
031-23856		2"
031-23912	8"	3/4"
031-23916		1"
*		1-1/2"
031-23924		2"
031-23976	10"	3/4"
031-23980		1"
*		1-1/2"
031-23988		2"
031-24040	12"	3/4"
031-24044		1"
*		1-1/2"
031-24032	12"	2"

PVC IPS

NPT OUTLET

***NON STOCK CALL JABO SUPPLY**

4 8" HINE SADDLE 10-12" 2-BOLT

SADDLES



Service Saddle

Double Bale

313

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)

[Sales Terms & Conditions](#)

[Freight Policy](#)

[Returns Policy](#)

[Corrosion & Product Selection Notice](#)



Description: Double bale Ductile Iron service saddle with TaperSeal™ gasket and wraparound bales to connect branch lines, instruments, and other appurtenances to pipe.

Application: Tapping pipe for branch connections and to install service connections, air and vacuum valves.

Key Features:

- Meets applicable AWWA C800 Standards
- The wide saddle body provides stability on the pipe
- The gasket is fully bonded to the cavity to hold it in place
- NPT, CC and other threaded outlets available in sizes 5/8" thru 4"
- A closed lug on one side, combined with the bale, acts as a hinge for easier installation

Materials Specifications (subject to change):

BODY: Ductile Iron per ASTM A536

BALE: Carbon Steel ASTM A108 (C1018) or HSLA (C111) electro-galvanized with di-chromate seal ASTM-B633

NUTS: Cold formed semi-finished heavy hex Steel A563 electro-galvanized with di-chromate seal ASTM-B633

WASHERS: Carbon Steel ASTM A108, electro-galvanized with a di-chromate seal ASTM B633

GASKET: Nitrile (Buna N) NSF 61® compounded to resist oil, acids, alkalies, most (aliphatic) hydrocarbon fluids, water and other chemicals

Temperature Range: -20°F to 180°F

FINISH: Flexi-Coat® Fusion-Bonded Epoxy Finish, per AWWA C213

Optional: 304 Stainless Steel hardware available upon request

Working Pressure: Up to 300 PSI, depending on size and application

Pipe Applications: Steel, Ductile Iron, and Cast Iron. For other pipe material, please contact Smith-Blair Engineering.

Taps: 3/4" and 1" NPT taps; 1 1/4", 1 1/2", 2" and 2 1/2" NPT taps, 3" & 4" NPT taps; 5/8", 3/4" and 1" CC taps; 1 1/4", 1 1/2" and 2" CC taps

Sizes (in inches): Varies by tap type; see tables for size details

SADDLES

SMITH BLAIR 313 SERVICE SADDLE DOUBLE BALE

IPS STEEL / DUCTILE/ CAST



CC / 5/8"-2-1/2" TAPS

SIZE (INCHES)	OD RANGE (INCHES)	CC OUTLET						
		5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
1-1/4-1-1/2"	1.61-1.92	*	*	*	NA	NA	NA	NA
2"	2.35-2.56	*	073-12826	073-12842	*	NA	NA	NA
2-/14-2-1/2	2.44-2.91	*	*	*	NA	NA	NA	NA
3	2.97-3.54	*	073-12906	073-12922	*	*	NA	NA
3-4	3.74-4.13	*	073-12966	073-12982	*	*	*	NA
4	4.40-4.50	*	*	*	*	*	*	NA
	4.40-4.80	*	073-13102	073-13118	*	*	*	NA
	4.74-5.14	*	073-13178	073-13190	*	*	*	NA
4-5	5.00-5.63	*	*	*	*	*	*	NA
6	5.94-6.70	*	073-13406	073-13422	*	*	*	NA
	5.94-6.90	*	*	*	*	*	*	NA
	6.84-7.60	*	073-13494	*	*	*	*	NA
6-8	7.69-8.72	*	*	*	*	*	*	NA
	7.69-9.05	*	*	*	*	*	*	NA
8-10	8.54-10.10	*	073-13710	073-13726	*	*	*	NA
10	10.75-11.10	*	*	*	*	*	*	NA
	10.64-12.12	*	073-13882	073-13898	*	*	*	NA
12	12.75-13.20	*	*	*	*	*	*	NA
12-14	12.62-14.32	*	073-14046	*	*	*	*	NA
	14.73-15.65	*	*	*	*	*	*	NA
14-16	15.95-17.25	*	*	*	*	*	*	NA
16	17.25-17.80	NA	NA	NA	NA	NA	NA	NA
16-18	17.40-18.88	NA	NA	NA	NA	NA	NA	NA
**18	19.38-19.68	NA	NA	NA	NA	NA	NA	NA
**20	21.55-21.65	NA	NA	NA	NA	NA	NA	NA
**24	25.75-25.85	NA	NA	NA	NA	NA	NA	NA

QUICK REFERENCE PIPE CHART			
OD	IPS	DI/C900	PIT CAST
3"	3.5		3.8
4"	4.5	4.8	4.8
6"	6.63	6.9	6.9
8"	8.63	9.05	9.05
10"	10.75	11.1	11.1
12"	12.75	13.2	13.2
14"	14	15.3	15.3

***NON STOCK CALL JABO SUPPLY**
****FABRICATED STRAPS , EPOXY COATED**
CARBON STEEL

SADDLES

SMITH BLAIR 313 SERVICE SADDLE DOUBLE BALE

IPS STEEL / DUCTILE/ CAST



NPT 3/4"-2-1/2" TAPS

SIZE	OD RANGE	NPT NPT OUTLET						
(INCHES)	(INCHES)	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
1-1/4-1-1/2"	1.61-1.92	N/A	*	*	*	*	NA	NA
2"	2.35-2.56	N/A	*	073-12834	*	*	NA	NA
2-1/4-2-1/2	2.44-2.91	N/A	*	*	*	*	*	NA
3	2.97-3.54	N/A	*	073-12914	*	*	*	*
3-4	3.74-4.13	N/A	*	*	*	*	*	*
4	4.40-4.50	N/A	*	073-13094	073-13110	073-13138	073-13150	*
4	4.40-4.80	N/A	*	*	*	*	*	*
4-5	5.00-5.63	N/A	*	*	*	*	*	*
6	5.94-6.70	N/A	*	073-13414	*	*	073-13454	*
6	5.94-6.90	N/A	*	*	*	*	*	*
6	6.84-7.60	N/A	*	*	*	*	*	*
6-8	7.69-8.72	N/A	*	*	*	*	*	*
6-8	7.69-9.05	N/A	073-13626	*	*	*	073-13686	*
8-10	8.54-10.10	N/A	*	*	*	*		*
10	10.75-11.10	N/A	*	*	*	073-13838	073-13850	*
10-12	10.64-12.12	N/A	*	*	*	*	*	*
12	12.75-13.20	N/A	*	*	*	*	073-14014	*
12-14	12.62-14.32	N/A	*	*	*	*	*	*
12-14	14.73-15.65	N/A	*	*	*	*	*	*
14-16	15.95-17.25	N/A	*	*	*	*	*	*
16	17.25-17.80	N/A	*	*	*	*	*	*
16-18	17.40-18.88	N/A	*	*	*	*	*	*
**18	19.38-19.68	N/A	*	*	*	*	*	*
**20	21.55-21.65	N/A	*	*	*	*	*	*
**24	25.75-25.85	N/A	*	*	*	*	*	*

QUICK REFERENCE PIPE CHART			
OD	IPS	DI/C900	PIT CAST
3"	3.5		3.8
4"	4.5	4.8	4.8
6"	6.63	6.9	6.9
8"	8.63	9.05	9.05
10"	10.75	11.1	11.1
12"	12.75	13.2	13.2
14"	14	15.3	15.3

***NON STOCK CALL JABO SUPPLY**
****FABRICATED STRAPS , EPOXY COATED**
CARBON STEEL

SADDLES

SMITH BLAIR 313 SERVICE SADDLE DOUBLE BALE

IPS STEEL / DUCTILE/ CAST

**NPT 3" AND 4" TAPS**

SIZE (INCHES)	OD RANGE (INCHES)	NPT NPT OUTLET	
		3"	4"
6	5.94-6.90	*	NA
6	6.84-7.60	*	*
8-10	8.54-10.10	*	*
10-12	11.30-12.12	*	*
12-14	13.40-14.32	*	*
12-14	14.73-15.65	*	*
14-16	15.98-16.59	*	*
16	17.25-17.80	*	*
16-18	17.81-18.88	*	*
**18	19.38-19.68	*	*

* NON STOCK CALL JABO SUPPLY

**FABRUCATED STRAPS , EPOXY COATED
CARBON STEEL

JCM 402 Double Strap Service Saddle

Service saddles for pipe sizes 2" through 12" shall have a wrap around design with ductile iron body coated with a shop primer, a broad pressure activated gasket molded of virgin rubber and two corrosion resistant, forged AISI C-1018 steel straps, zinc plated with dichromate seal. The gasket shall be permanently bonded into a cavity in the saddle body, which provides internal as well as external gasket retention. Service saddles shall be JCM 402 or approved equal.

Service saddle for pipe sizes 14" through 24" shall have two 2-1/2" wide fabricated steel straps, coated for corrosion resistance, in lieu of the forged steel straps to provide increased stability on service connections, increased corrosion resistance and increased strength for added safety factor on larger sizes of pipe.

Service Saddles shall be JCM 402 or approved equal.

JCM 400 Series Service Saddles meet or exceed ANSI/AWWA C-800 Standard for Underground Service Line Valve and Fittings.

JCM 400 Series Service Saddles are ANSI/NSF Standard 61, Annex G and ANSI/NSF 372 Certified.



JCM 402 Service Saddle
Outlet Sizes 3/4" – 1"



JCM 402 Service Saddle
Outlet Sizes 1-1/4" – 2-1/2"

This typical specification, provided by JCM Industries, is a proposed guideline for use by specifying agencies to ensure significant design and material features of this product are included within the agencies' individual specifications.

JCM 402 Double Strap Service Saddle

JCM Service Saddles are constructed of ductile iron with shop primer coating and have corrosion resistant straps. These saddles meet or exceed ANSI/AWWA C-800 Standards for service line fittings.

Body Casting: Wrap around design of Ductile Iron, ASTM A-536 annealed to 60-40-18. Body has a gasket cavity, which provides internal as well as external gasket retention.

Gasket: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydromechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40°F to 212°F (-40°C – 100°C) Gasket suitable for water, salt solutions, mild acids, bases, and sewage. Optional EPDM gasket available.

Straps: Nominal sizes 2" through 12" have corrosion resistant, forged AISI C-1018 steel straps, zinc plated with dichromate seal. Nominal sizes 14" through 24" have two (2) 2-1/2" wide fabricated steel straps for additional stability and strength coated for corrosion resistance.

Coating: Casting is coated with shop primer coating.

Pressure Rating: Working pressure is 250 PSI hydrostatic. Contact factory if higher working pressure is required.

Sizes: See Catalog.

Standards: JCM 400 Series Service Saddles meet or exceed ANSI/AWWA C-800 Standard for Underground Service Line Valve and Fittings.

JCM 400 Series Service Saddles are ANSI/NSF Standard 61, Annex G and ANSI/NSF 372 Certified.

JCM Industries endorses observance of Uni-Bell Handbook of PVC Pipe/AWWA Manual M23 Design and Installation of PVC Pipe and endorses the recommendations they make for tapping PVC Pipe. Service Fittings are available to adhere to those recommendations.

Information provided based on current data available. Contact JCM Industries Technical Services for modifications or changes.

SADDLES

JCM 402 SERVICE SADDLE DOUBLE BALE

IPS STEEL / DUCTILE/ CAST



CC 3/4"-2-1/2" TAPS

SIZE (INCHES)	OD RANGE (INCHES)	CC OUTLET						
		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
2"	2.35-2.63	NA	*	*	NA	NA	NA	NA
2-1/2	2.70-3.13	NA	*	*	NA	NA	NA	NA
3	3.25-3.50	NA	*	*	*	*	NA	NA
3-4	3.80-4.13	NA	*	*	*	*	NA	NA
4	4.25-4.50	NA	*	*	*	*	*	NA
	4.50-4.80	NA	*	*	*	*	*	NA
	4.74-5.45	NA	*	*	*	*	*	NA
5	5.50-5.56	NA	*	*	*	*	*	NA
6	6.50-6.63	NA	*	*	*	*	*	NA
	6.50-6.63	NA	*	*	*	*	*	NA
	6.63-6.90	NA	*	*	*	*	*	NA
	6.84-7.60	NA	*	*	*	*	*	NA
8	8.50-8.63	NA	*	*	*	*	*	NA
	8.63-9.05	NA	*	*	*	*	*	NA
	8.99-9.79	NA	*	*	*	*	*	NA
10	10.60-10.75	NA	*	*	*	*	*	NA
	10.75-11.10	NA	*	*	*	*	*	NA
	11.10-11.40	NA	*	*	*	*	*	NA
	11.0-12.25	NA	*	*	*	*	*	NA
12	12.75-13.20	NA	*	*	*	*	*	NA
	12.75-13.50	NA	*	*	*	*	*	NA
	13.10-14.38	NA	*	*	*	*	*	NA
12-14	14.0-15.20	NA	*	*	*	*	*	NA
14	c-905-15.30	NA	*	*	*	*	*	NA
14-16	15.20-16.60	NA	*	*	*	*	*	NA
16	C905-17.40	NA	*	*	*	*	*	NA
16-18	17.30-18.88	NA	*	*	*	*	*	NA
18	C905-19.50	NA	*	*	*	*	*	NA
18-20	19.00-20.50	NA	*	*	*	*	*	NA
18.20	20.50-21.50	NA	*	*	*	*	*	NA
20	C905-21.60	NA	*	*	*	*	*	NA
	21.35-22.60	NA	*	*	*	*	*	NA
	22.50-23.70	NA	*	*	*	*	*	NA
24	23.75-25.25	NA	*	*	*	*	*	NA
	C905-25.80	NA	*	*	*	*	*	NA
	25.50-26.50	NA	*	*	*	*	*	NA

*NON STOCK CALL JABO SUPPLY

SADDLES

JCM 402 SERVICE SADDLE DOUBLE BALE

IPS STEEL / DUCTILE/ CAST

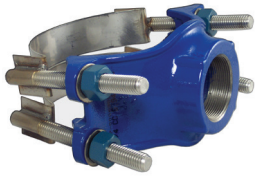


NPT 1/2"-2-1/2" TAPS

SIZE (INCHES)	OD RANGE (INCHES)	NPT NPT OUTLET						
		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
2"	2.35-2.63	*	*	*	NA	NA	NA	NA
2-1/2	2.70-3.13	*	*	*	NA	NA	NA	NA
3	3.25-3.50	*	*	*	*	*	*	NA
3-4	3.80-4.13	*	*	*	*	*	*	NA
4	4.25-4.50	*	*	*	*	*	*	*
	4.50-4.80	*	071-01340	071-01320	*	071-01400	071-01420	*
	4.74-5.45	*	*	*	*	*	*	*
5	5.50-5.56	*	*	*	*	*	*	*
6	6.50-6.63	*	*	*	*	*	*	*
	6.50-6.63	*	*	*	*	*	*	*
	6.63-6.90	*	*	071-01480	*	*	071-01500	*
	6.84-7.60	*	*	*	*	*	*	*
8	8.50-8.63	*	*	*	*	*	*	*
	8.63-9.05	*	*	*	*	*	071-01540	*
	8.99-9.79	*	*	*	*	*	*	*
10	10.60-10.75	*	*	*	*	*	*	*
	10.75-11.10	*	*	*	*	071-01570	071-01580	*
	11.10-11.40	*	*	*	*	*	*	*
	11.0-12.25	*	*	*	*	*	*	*
12	12.75-13.20	*	*	*	*	*	*	*
	12.75-13.50	*	*	*	*	*	*	*
	13.10-14.38	*	*	*	*	*	*	*
12-14	14.0-15.20	*	*	*	*	*	*	*
14	c-905-15.30	*	*	*	*	*	*	*
14-16	15.20-16.60	*	*	*	*	*	*	*
16	C905-17.40	*	*	*	*	*	*	*
16-18	17.30-18.88	*	*	*	*	*	*	*
18	C905-19.50	*	*	*	*	*	*	*
18-20	19.00-20.50	*	*	*	*	*	*	*
18.20	20.50-21.50	*	*	*	*	*	*	*
20	C905-21.60	*	*	*	*	*	*	*
	21.35-22.60	*	*	*	*	*	*	*
	22.50-23.70	*	*	*	*	*	*	*
24	23.75-25.25	*	*	*	*	*	*	*
	C905-25.80	*	*	*	*	*	*	*
	25.50-26.50	*	*	*	*	*	*	*

*NON STOCK CALL JABO SUPPLY

SADDLES



Service Saddle

Double Stainless Steel Strap

317

IMPORTANT LINKS

Click appropriate words to go to:

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[Sales Terms & Conditions](#)

[Freight Policy](#)

[Returns Policy](#)

[Corrosion & Product Selection Notice](#)



Description: Double strap Ductile Iron service saddle with TaperSeal™ gasket and wraparound 304 Stainless Steel strap for added corrosion resistance

Application: For outlets of 5/8" through 4".

Key Features:

- Meets applicable AWWA C800 Standards
- The wide saddle body provides stability on the pipe
- Designed with PVC and other soft or brittle pipe in mind
- The gasket fully bonds to the cavity to hold it in place
- NPT, CC and other threaded outlets available in sizes 5/8" thru 4"
- Wide bands spread the load over larger area to prevent damage to the pipe when tightening the straps
- A closed lug on one side, combined with the strap, acts as a hinge for easier installation

Materials Specifications (subject to change):

BODIES: Ductile Iron per ASTM A536

STRAPS: Type 304 Stainless Steel. Double Strap 1.50" wide

NUTS: Type 304 Stainless Steel fluoropolymer coated

WASHERS: Type 304 Stainless Steel

STUDS: Type 304 Stainless Steel

GASKET: Nitrile (Buna N) NSF 61® compounded to resist oil, acids, alkalis, most (aliphatic) hydrocarbon fluids, water and other chemicals

Temperature Range: -20°F to 180°F

FINISH: Flexi-Coat® Fusion-Bonded Epoxy Finish per AWWA C213

Working Pressure: Up to 300 PSI, depending on size and application

Pipe Applications: Steel, Ductile Iron, Cast Iron, Asbestos Cement, PVC and HDPE (with spring washers)

Taps: 5/8", 3/4", 1", 1 1/4", 1 1/2" and 2" CC Taps; 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3" and 4" NPT Taps

Sizes (in inches): Varies by tap type; see tables for size details

SADDLES

317 DOUBLE STAINLESS STEEL STRAPS

PIPE APPLICATION: STEEL / DI / CAST IRON/ AC/ PVC/ HDPE (with Spring Washers)

**CC / TAPPERED OUTLET 5/8"-2-1/2"**

SIZE (INCHES)	OD RANGE (INCHES)	CC TAPPERED OUTLET						
		5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
1-1/4-1-1/2"	1.61-1.92	*	*	*	NA	NA	NA	NA
2"	2.35-2.56	*	073-15214	073-15222	*	NA	NA	NA
2-1/4-2-1/2	2.44-2.91	*	*	*	*	*	*	*
3	2.97-3.54	*	073-15262	073-15270	*	*	*	*
3-4	3.74-4.13	*	073-15298	073-15306	*	*	*	*
4	4.40-4.50	*	*	*	*	*	*	*
4	4.40-4.80	*	073-15386	073-15394	*	*	*	*
4	4.74-5.14	*	*	*	*	*	*	*
4-5	5.00-5.63	*	*	*	*	*	*	*
6	5.94-6.70	*	073-15566	073-15526	*	*	*	*
6	5.94-6.90	*	*	*	*	*	*	*
6	6.84-7.60	*	*	073-15618	*	*	*	*
6-8	7.69-8.72	*	*	*	*	*	*	*
6-8	7.69-9.05	*	*	*	*	*	*	*
8-10	8.54-10.10	*	073-15746	073-15754	*	*	*	*
10	10.75-11.10	*	*	*	*	*	*	*
10-12	10.64-12.12	*	*	*	*	*	*	*
12	12.75-13.20	*	*	*	*	*	*	*
12-14	12.62-14.32	*	073-15938	*	*	*	*	*
12-14	14.73-15.65	*	*	*	*	*	*	*
14-16	15.95-17.25	*	*	*	*	*	*	*
16	17.25-17.80	*	*	*	*	*	*	*
16-18	17.40-18.88	*	*	*	*	*	*	*
**18	19.38-19.68	*	*	*	*	*	*	*
**20	21.55-21.65	*	*	*	*	*	*	*
**24	25.75-25.85	*	*	*	*	*	*	*

*NON STOCK CALL JABO SUPPLY

**FABRICATED STRAPS , EPOXY COATED CARBON STEEL

SADDLES

317 DOUBLE STRAP SADDLE

PIPE APPLICATION: STEEL / DI / CAST IRON/ AC/ PVC/ HDPE (with Spring Washers)



NPT 5/8"-2-1/2" TAPS

SIZE (INCHES)	OD RANGE (INCHES)	NPT OUTLET						
		5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
1-1/4-1-1/2"	1.61-1.92	NA	*	*	*	*	*	*
2"	2.35-2.56	NA	*	*	*	*	*	*
2-1/4-2-1/2	2.44-2.91	NA	*	*	*	*	*	*
3	2.97-3.54	NA	*	*	073-15274	073-15282	*	*
3-4	3.74-4.13	NA	*	*	*	*	*	*
4	4.40-4.50	NA	*	*	*	*	*	*
	4.40-4.80	NA	*	073-15390	*	*	*	*
4-5	5.00-5.63	NA	*	*	*	*	*	*
6	5.94-6.70	NA	*	*	*	*	*	*
6	5.94-6.90	NA	073-15562	073-15570	*	073-15406	073-15594	*
	6.84-7.60	NA	*	073-15614	*	*	*	*
6-8	7.69-8.72	NA	*	*	*	*	*	*
	7.69-9.05	NA	*	073-15706	*	073-15722	*	*
8-10	8.54-10.10	NA	*	073-15750	*	*	073-15774	*
	10.75-11.10	NA	*	073-15799	*	*	*	*
10-12	10.64-12.12	NA	*	073-15846	*	*	*	*
12	12.75-13.20	NA	*	*	*	*	*	*
	12.62-14.32	NA	*	073-15942	*	*	*	*
12-14	14.73-15.65	NA	*	*	*	*	*	*
14-16	15.95-17.25	NA	*	*	*	*	*	*
16	17.25-17.80	NA	*	*	*	*	*	*
	17.40-18.88	NA	*	*	*	*	*	*
**18	19.38-19.68	NA	*	*	*	*	*	*
**20	21.55-21.65	NA	*	*	*	*	*	*
**24	25.75-25.85	NA	*	*	*	*	*	*

*NON STOCK CALL JABO SUPPLY

**FABRICATED STRAPS , EPOXY COATED CARBON STEEL

QUICK REFERENCE PIPE CHART			
OD	IPS	DI/C900	PIT CAST
3"	3.5		3.8
4"	4.5	4.8	4.8
6"	6.63	6.9	6.9
8"	8.63	9.05	9.05
10"	10.75	11.1	11.1
12"	12.75	13.2	13.2
14"	14	15.3	15.3

SADDLES

317 DOUBLE STRAP SADDLE

PIPE APPLICATION: STEEL / DI / CAST IRON/ AC/ PVC/ HDPE (with Spring Washers)

**NPT 3" AND 4" NPT TAPS**

SIZE	OD RANGE	NPT NPT OUTLET	
(INCHES)	(INCHES)	3"	4"
6	6.84-7.60	*	*
8-10	8.54-10.10	*	*
***10	10.75-11.10	*	*
10-12	11.30-12.12	*	*
12	12.75-13.20	*	*
12-14	13.40-14.32	*	*

* NON STOCK CALL JABO SUPPLY

**FABRICATED STRAPS , EPOXY COATED
CARBON STEEL

***SIZED FOR USE ON C900 PVC PIPE

Typical Specification

JCM 406 Coated Service Saddle with Double Stainless Steel Straps

Service Saddles for pipe sizes 2" through 12" shall have a wrap around design with a ductile iron body, fusion plastic coated. The coating thickness shall be a minimum of 12 mils with a dielectric strength of over 12,000 volts. The gasket shall be a broad pressure activated design, molded of virgin rubber and bonded into a cavity in the saddle body which provides internal as well as external gasket retention.

The straps, bolts, nuts and washers shall be 18-8 stainless steel with all welds passivated for resistance to corrosion. The combined strap width shall be 3-1/4" to provide a wide stance on the pipe.

Service saddles for pipe sizes 14" through 24" shall have two (2) 2-3/4" wide stainless steel straps.

Service Saddles shall be JCM 406 or approved equal.

JCM 400 Series Service Saddles meet or exceed ANSI/AWWA C-800 Standard for Underground Service Line Valve and Fittings. Meets Uni-Bell Handbook of PVC Pipe/AWWA Manual M23 Design and Installation of PVC Pipe.

JCM 400 Series Service Saddles are ANSI/NSF Standard 61, Annex G and ANSI/NSF 372 Certified.

Fittings are available American Iron and Steel/Build America, Buy America Compliant with special order.

This typical specification, provided by JCM Industries, is a proposed guideline for use by specifying agencies to ensure significant design and material features of this product are included within the agencies' individual specifications.



JCM 406 Service Saddle
Outlet Sizes 3/4" – 1"



JCM 406 Service Saddle
Outlet Sizes 1-1/4" – 2-1/2"

Material Specification

JCM 406 Coated Service Saddle with Double Stainless Steel Straps

JCM Coated Saddles are constructed of ductile iron with a high-density fusion plastic coating and have 18-8 Type 304 Stainless Steel straps, nuts and washers for high corrosion resistance. These saddles meet or exceed ANSI/AWWA C800 Standard for Underground Service Line Valve and Fittings.

- Body Casting:** Wrap around design of Ductile Iron, ASTM A-536 annealed to 60-40-18. Body has a gasket cavity, which provides internal as well as external gasket retention.
- Gasket:** Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydromechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40oF to 212oF (-40oC – 100oC) Gasket suitable for water, salt solutions, mild acids, bases, and sewage. Optional EPDM gasket available.
- Straps:** Stainless steel, 18-8 Type 304, the straps are equal to or greater than the internal diameter of the gasket to provide for proper pipe support and gasket loading. Strap is 14 gauge stainless steel. Straps are passivated for corrosion resistance. Optional 316 stainless steel available.
- Bolts, Nuts, Washers:** Stainless steel, 18-8 Type 304, passivated for corrosion resistance. Nuts coated with Xylan antiseize compound to reduce friction and galling. Nominal Sizes 2" – 3" with 1/2" UNC roll thread, 1/2" stainless washers and heavy hex nuts, nominal sizes 4" and larger with 5/8" UNC roll thread, 5/8" stainless washers and heavy hex nuts. Optional 316 stainless steel available.
- Coating:** Casting is coated with fusion bonded high density blue plastic, 12 mils minimum thickness, with a dielectric strength of over 12,000 volts. Water absorption less than .20% (less than nylon) prevents undercutting and blistering.
- Pressure Rating:** Working pressure is 250 PSI hydrostatic. With proper installation to the manufacturer's instructions, JCM Service Saddles are rated 1.5 times the working pressure of the pipe assuming that does not exceed the capability of the host pipe, up to the maximum rating of the pipe. Inspection of pipe integrity, site conditions, and quality of installation are the responsibility of the end user. Contact the factory if higher working pressure is required.
- Sizes:** See catalog.
- Standards:** JCM 400 Series Service Saddles meet or exceed ANSI/AWWA C800 Standard for Underground Service Line Valve and Fittings.
- JCM 400 Series Service Saddles are ANSI/NSF Standard 61, Annex G and ANSI/NSF 372 Certified.
- JCM Industries endorses observance of Uni-Bell Handbook of PVC Pipe/AWWA Manual M23 Design and Installation of PVC Pipe and endorses the recommendations they make for tapping PVC Pipe. Service Fittings are available to adhere to those recommendations.

Fittings are available American Iron and Steel/Build America, Buy America Compliant with special order.

Information provided based on current data available. Contact JCM Industries Technical Services for modifications or changes.

SADDLES

JCM 406 SERVICE SADDLE TWO STRAP SS

2 STRAP SS



CC 1/2"-2-1/2" TAPS

SIZE (INCHES)	OD RANGE (INCHES)	CC OUTLET						
		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
2"	2.35-2.63	NA	*	*	NA	NA	NA	NA
2-1/2	2.70-3.13	NA	*	*	NA	NA	NA	NA
3	3.25-3.50	NA	*	*	*	*	NA	NA
3-4	3.80-4.13	NA	*	*	*	*	NA	NA
4	4.25-4.50	NA	*	*	*	*	*	NA
	4.50-4.80	NA	*	*	*	*	*	NA
	4.74-5.45	NA	*	*	*	*	*	NA
5	5.50-5.56	NA	*	*	*	*	*	NA
6	6.50-6.63	NA	*	*	*	*	*	NA
	6.50-6.63	NA	*	*	*	*	*	NA
	6.63-6.90	NA	*	*	*	*	*	NA
	6.84-7.60	NA	*	*	*	*	*	NA
8	8.50-8.63	NA	*	*	*	*	*	NA
	8.63-9.05	NA	*	*	*	*	*	NA
	8.99-9.79	NA	*	*	*	*	*	NA
10	10.60-10.75	NA	*	*	*	*	*	NA
	10.75-11.10	NA	*	*	*	*	*	NA
	11.10-11.40	NA	*	*	*	*	*	NA
	11.0-12.25	NA	*	*	*	*	*	NA
12	12.75-13.20	NA	*	*	*	*	*	NA
	12.75-13.50	NA	*	*	*	*	*	NA
	13.10-14.38	NA	*	*	*	*	*	NA
12-14	14.0-15.20	NA	*	*	*	*	*	NA
14	c-905-15.30	NA	*	*	*	*	*	NA
14-16	15.20-16.60	NA	*	*	*	*	*	NA
16	C905-17.40	NA	*	*	*	*	*	NA
16-18	17.30-18.88	NA	*	*	*	*	*	NA
18	C905-19.50	NA	*	*	*	*	*	NA
18-20	19.00-20.50	NA	*	*	*	*	*	NA
18.20	20.50-21.50	NA	*	*	*	*	*	NA
20	C905-21.60	NA	*	*	*	*	*	NA
	21.35-22.60	NA	*	*	*	*	*	NA
	22.50-23.70	NA	*	*	*	*	*	NA
24	23.75-25.25	NA	*	*	*	*	*	NA
	C905-25.80	NA	*	*	*	*	*	NA
	25.50-26.50	NA	*	*	*	*	*	NA

*NON STOCK CALL JABO SUPPLY

SADDLES

JCM 406 SERVICE SADDLE DOUBLE BALE

PIPE APPLICATION: STEEL / DI / CAST IRON/ AC/ PVC/ HDPE (with Spring Washers)



NPT 1/2"-2-1/2" TAPS

SIZE (INCHES)	OD RANGE (INCHES)	NPT NPT OUTLET						
		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
2"	2.35-2.63	*	*	*	NA	NA	NA	NA
2-1/2	2.70-3.13	*	*	*	NA	NA	NA	NA
3	3.25-3.50	*	*	*	071-01700	071-01720	*	NA
3-4	3.80-4.13	*	*	*	*	*	*	NA
4	4.25-4.50	*	*	*	*	*	*	*
	4.50-4.80	*	*	071-01730	*	071-01740	*	*
	4.74-5.45	*	*	*	*	*	*	*
5	5.50-5.56	*	*	*	*	*	*	*
6	6.50-6.63	*	*	*	*	*	*	*
	6.50-6.63	*	*	*	*	*	*	*
	6.63-6.90	071-01760	*	*	*	071-01770	*	*
	6.84-7.60	*	*	*	*	*	*	*
8	8.50-8.63	*	*	*	*	*	*	*
	8.63-9.05	*	*	*	*	071-01780	*	*
	8.99-9.79	*	*	*	*	*	*	*
10	10.60-10.75	*	*	*	*	*	*	*
	10.75-11.10	*	*	*	*	*	*	*
	11.10-11.40	*	*	*	*	*	*	*
	11.0-12.25	*	*	*	*	*	*	*
12	12.75-13.20	*	*	*	*	*	*	*
	12.75-13.50	*	*	*	*	*	*	*
	13.10-14.38	*	*	*	*	*	*	*
12-14	14.0-15.20	*	*	*	*	*	*	*
14	c-905-15.30	*	*	*	*	*	*	*
14-16	15.20-16.60	*	*	*	*	*	*	*
16	C905-17.40	*	*	*	*	*	*	*
16-18	17.30-18.88	*	*	*	*	*	*	*
18	C905-19.50	*	*	*	*	*	*	*
18-20	19.00-20.50	*	*	*	*	*	*	*
18.20	20.50-21.50	*	*	*	*	*	*	*
20	C905-21.60	*	*	*	*	*	*	*
	21.35-22.60	*	*	*	*	*	*	*
	22.50-23.70	*	*	*	*	*	*	*
24	23.75-25.25	*	*	*	*	*	*	*
	C905-25.80	*	*	*	*	*	*	*
	25.50-26.50	*	*	*	*	*	*	*

*NON STOCK CALL JABO SUPPLY

SADDLES

The Series T3 is a unique wide range Universal Type 304 Stainless Steel Service Tapping Product that may be used on all types of pipe including: ductile iron, cast iron, PVC, asbestos cement, steel and HDPE.

The Series T3 is a unique wide range Universal Type 304 Stainless Steel Service Tapping Product that may be used on all types of pipe including: ductile iron, cast iron, PVC, asbestos cement, steel and HDPE. This substantially reduces the need for extra on-hand sizes to accommodate various pipe materials found in local distribution systems requirements when performing service line taps. The Series T3 exceeds all industry standards including AWWA C800; sizes 10" and above are equipped with an insulating boot that prevents contact with the pipe and reduces the potential for corrosion when used on ferrous pipe materials.

Integrated Handle for ease of installation



Patent Pending Cam Lug Fingers for Extended Range

Since the Series T3 may be used on all pipe materials with the ability to cut saddle inventory by over 70%, it is a suitable candidate to replace multiple services saddles made from various materials such as brass, ductile iron and plastic as well as a selection of other stainless steel saddle versions.

Unique patented extended range Cam Lug System.

U.S. Patent Numbers 9,970,584 and 10,544,894.

The user friendly lug system, with built in handle enables one product to carry over twice the range of a standard saddle, allowing for inventory reduction and simplification of the installation process. The outlet design features a stronger spin-extruded branch with higher strength welds to resist threaded service valve installation torque and fatigue cracking.

T3 EXCLUSIVE:

Single Panel design from 2" up to and including 16" Nominal up to 250 psi

Double Panel design from 18" up to and including 24" Nominal up to 200 psi 30" up to and including 36" Nominal up to 150 psi

Triple Panel design from 42" up to and including 48" Nominal up to 125 psi
Now available in 316 stainless Steel with 2" NPT Outlets for use on PRV Service



Optional Removable Lugs

Specifications

Pressure Rating: Up to 250 PSI Maximum Working Pressure depending on diameter, Call factory for additional information

Temperature Rating: Maximum Continuous Working Temperature range of 180°F

Gasketing: NSF-61 Approved NBR Rubber – For Water Service (EPDM Available upon Request)

Shell: Heavy Duty 14, 18 or 20 gauge band (depending on diameter) of Type 304, 18-8 Stainless Steel, Fully Passivated for Corrosion Protection. Shell band widths are 7-1/2" on 4" to 16" and 10" widths on 18" to 48" diameters

Alignment Lugs: Heavy Duty Cast Type 304, 18-8 Stainless Steel permanently welded fused to band with integrated handle for ease of assembly, removable lugs available upon request

Branch Connections: Type 304 18-8 Stainless Steel Thread-O-Lets available in 1/2" to 2" in diameter

Outlets: Type 304, 18-8 Stainless Steel available in either "CC" or "NPT" thread pitches

Band Insulating Boot: EPDM Rubber

Bolts/Nuts/Washers: Type 304 Stainless steel, Bolt threads 5/8" Rolled, coated with Fluoropolymer Coating to prevent galling

NOTE: Product pressure rating, temperature rating and bolt torque can vary depending on the product diameter, type of connection, and the pipe material being utilized. The pressure rating, temperature rating, and bolt torque shown on the product label are the actual ratings of the individual product.

Note: For Sewerage Applications product is available in 316 Stainless Steel construction with 2" NPT Outlets. For this application always contact customer service rep.

For Corrosive or Hot Soil Conditions a grade of Stainless higher than Type 304 may be Required. Please consult with your piping engineering for guidance.



SADDLES

Technical Specifications

Nom. Diam.	Lower Diam.	Upper Diam.	Connection Sizes	CTS	IPS	DI	Pit Cast	AC100	AC150	AC200
2	2.10	2.40	1/2 to 1"	2.13	2.38		2		2	
2	2.35	2.65	1/2 to 1.5"		2.38		2.5			
3	3.10	3.30	1/2 to 1.5"	3.13						
3	3.30	3.60	1/2 to 1.5"		3.50					
3	3.79	4.13	1/2 to 2"	4.13			3.96			
3	4.01	4.41	1/2 to 2"	4.13					4.18	
4	4.45	5.13	1/2" to 2"	5.13	4.50	4.80	5.00			
4 o.s.	4.74	5.61	1/2" to 2"			4.80	5.00	5.26	5.32	5.57
5	5.50	6.20	1/2" to 2"	6.13	5.56					5.57
6	6.55	7.42	1/2" to 2"		6.63	6.90	7.10	7.40	7.37	
6 o.s.	6.84	7.65	1/2" to 2"			6.90	7.10	7.40	7.37	7.60
8	8.54	9.44	1/2" to 2"		8.63	9.05	9.30			
8 o.s.	8.98	9.84	1/2" to 2"			9.05	9.30	9.57	9.62	9.79
10	10.64	11.46	1/2" to 2"		10.75	11.10	11.40			
10 o.s.	11.34	12.16	1/2" to 2"				11.40	11.77	12.12	12.12
12	12.62	13.56	1/2" to 2"		12.75	13.20	13.50			
12 o.s.	13.65	14.42	1/2" to 2"		14.00			14.04	14.38	14.38
14	15.22	16.16	1/2" to 2"		16.00	15.30	15.65	15.80		
14 o.s.	16.18	16.92	1/2" to 2"						16.73	16.88
16	17.25	18.18	1/2" to 2"		18.00	17.40	17.80	17.94		
16 o.s.	18.42	19.23	1/2" to 2"						18.97	19.19
18	19.32	21.04	1/2" to 2"		20.00	19.50	19.92	19.90	20.94	
18 o.s.	21.10	22.80	1/2" to 2"			21.60	22.06		21.30	22.54
20	23.20	25.10	1/2" to 2"		24.00			23.64		25.02
24	25.60	27.30	1/2" to 2"			25.80	26.32	27.17		
24 o.s.	27.80	29.70	1/2" to 2"					28.32	29.62	
30	29.70	30.30	1/2" to 2"		30.00					29.98
30 o.s.	31.96	32.46	1/2" to 2"			32.00	32.40			
36	35.80	36.20	1/2" to 2"		36.00					
36 o.s.	38.10	38.50	1/2" to 2"			38.30				
42	44.30	44.70	1/2" to 2"			44.50				
48	50.60	51.00	1/2" to 2"			50.80				

Applicable Standards and Product Cautions:

ASTM A380-06 Standard Practice for Cleaning Descaling and Passivation of Stainless Steel Parts Equipment and Systems

ASTM A967-05 Standard Specification for Chemical Passivation Treatments for Stainless Steel Parts

ANSI/AWWA C800 Standard for Underground Service Line Valve and Fittings

NSF/ANSI STANDARD 61 - Drinking Water System Components

ASTM D2000 - 12 Standard Classification Systems for Rubber Products

CAUTION: Saddles must not be reused until refurbished with new bolts and new gaskets at factory

For All Sewer Applications: Please Contact Total Piping Solutions for product options and availability
NSF/ANSI/CAN 372 Safe Water Drinking Act (SDWA) lead-free plumbing requirements

WARNING This product is not intended for use on natural gas piping or any other type of gas piping. To do so could result in escaping gas that could ignite and cause property damage, serious injury or death.

WARNING This is a non-restraining product. If pipe pullout can occur, proper anchoring of the pipe joint is required. Failure to anchor the pipe could result in the escape of line content, and may cause property damage, serious injury or death.

WARNING This product is intended for use on HDPE SDR-17 or greater wall thicknesses, and shall be used for buried service only. The Triple Tap product line is not approved for above ground applications on HDPE or other plastic pipe.

SADDLES

TPS WIDE RANGE SADDLES AND OUTLET CLAMPS

PIPE APPLICATION: WIDE RANGE UNIVERSAL, MAY BE USED ON MOST PIPES

T3 SERVICE SADDLE

CC OUTLET



JABO #	PIPE SIZE	OD RANGE	OUTLET SIZE	
			LENGTH	
074-60049	4"	4.45-5.13	3/4"	7.5
074-60017			1"	7.5
074-60169	6"	6.55-7.42	3/4"	7.5
074-60137			1"	7.5
074-60249	8"	8.54-9.44	3/4"	7.5
074-60217			1"	7.5
074-60328	10"	10.64-11.46	3/4"	7.5
074-60297			1"	7.5
074-60409	12"	12.62-13.56"	3/4"	7.5
074-60377			1"	7.5
ADDITIONAL SIZES, OD RANGE, OUTLETS AND LENGTH AVAILABLE UPON REQUEST				

QUICK CAM REPAIR CLAMP WITH OUTLET

CC OUTLET



JABO #	PIPE SIZE	OD RANGE	OUTLET SIZE	
			LENGTH	
074-54196	4"	4.72-5.13	3/4"	7.5
074-54197	4"		1"	7.5
*	6"	6.55-7.42	3/4"	7.5
074-54269			1"	7.5
074-54812	8"	8.54-9.44	3/4"	12"
074-54780			1"	12"
AVAILABLE UPON REQUEST				

T3 SERVICE SADDLE

The Series T3 is a unique wide range Universal Type 304 Stainless Steel Service Tapping Product that may be used on all types of pipe including: ductile iron, cast iron, PVC, asbestos cement, steel and HDPE. This substantially reduces the need for extra on-hand sizes to accommodate various pipe materials found in local distribution systems requirements when performing service line taps. The Series T3 exceeds all industry standards including AWWA C800; sizes 10" and above are equipped with an insulating boot that prevents contact with the pipe and reduces the potential for corrosion when used on ferrous pipe materials.

Nominal Diameter	Lower Diameter	Upper Diameter	CTS	IPS	DIP	Pit Cast	AC100	AC150	AC200
2	2.35	2.63	2.63	2.38		2.50			
2-1/2	2.70	3.00		2.88					
3	3.42	4.26	4.13	3.50	3.96		3.95	4.13	4.18
4	4.45	5.13	5.13	4.50	4.80	5.00			
4 o.s.	4.74	5.61			4.80	5.00	5.26	5.32	5.57
5	5.50	6.20	6.13	5.56					5.57
6	6.55	7.42		6.63	6.90	7.10	7.40	7.37	
6 o.s.	6.84	7.65			6.90	7.10	7.40	7.37	7.60
8	8.54	9.44		8.63	9.05	9.30			
8 o.s.	8.98	9.84			9.05	9.30	9.57	9.62	9.79
10	10.64	11.46		10.75	11.10	11.40			
10 o.s.	11.34	12.16				11.40	11.77	12.12	12.12
12	12.62	13.56		12.75	13.20	13.50			
12 o.s.	13.65	14.42		14.00			14.04	14.38	14.38

SADDLES



Tapped Full Circle® Repair Clamp Single Band

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IMPORTANT LINKS

Click appropriate words
to go to:

[Standard Limited Warranty](#)

[Sales Terms & Conditions](#)

[Freight Policy](#)

[Returns Policy](#)

[Corrosion & Product Selection
Notice](#)



NSF/ANSI 61
NSF/ANSI 372



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description:

A tapped clamp to repair damaged pipe at broken or torn out service connections or branch lines.

Application: Service connection or branch line connections.

Key Features:

- Stainless Steel outlet welded to band and features a choice of NPT, CC, AWWA or BSP threads
- Removable lugs allow installation in tight spaces
- Maximum support and reinforcement with 360° coverage
- Drop-in bolts in the joint to be opened help ease installation
- A wide variety of outlet sizes and thread types available to meet demand
- Lugs have a Fusion-Bonded Flexi-Coat® Epoxy Finish for great corrosion resistance
- One starter (longer) bolt minimum per clamp thru 4.5" O.D. size to help with installation
- Range up to .40"
- Pressure ratings up to 300 PSI

Materials Specifications (subject to change):

BAND: Stainless Steel Type 304

LUGS: Ductile Iron ASTM A536, 80-55-06

GASKET: Nitrile (Buna N) compounded to produce superior storage and performance characteristics, while resisting water, acids, alkalis, most (aliphatic) hydrocarbon and many other chemicals

Temperature Range: -20°F to 180°F. Consult manufacturer for specific applications and other service temperatures

BRIDGE PLATE: 304 Stainless Steel recessed flush and bonded into gasket

BOLTS: High strength low alloy Steel with heavy semi-finished hexagon nuts. Per ANSI B. 18.2.2. Optional 304 Stainless Steel bolts with fluoropolymer coated nuts to prevent galling

NOTE: Also available in metric sizes. HDPE applications will require clamps with spring washers.

Pipe Applications: Cast Iron, Ductile Iron, Asbestos Cement, Steel, PVC, HDPE, and most other types of pipe

Sizes (in inches):

- 3, 4, 6, 8, 10, 12 offered with ¾" or 1" NPT taps
- 4, 6, 8, 10, 12 offered with 1¼", 1½" or 2" NPT taps
- 3, 4, 6, 8, 10, 12 offered with ¾", 1", 1¼", 1½", or 2" CC taps

SADDLES

238 FULL CIRCLE REPAIR CLAMP WITH OUTLET

Single Band

CC OUTLET 3-8" PIPE SIZE



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	CC OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
3	7.5	3.46-3.70	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12.5		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
3-4	7.5	3.73-4.00	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12.5		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
3	7.5	3.96-4.25	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12.5		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
4	7.5	4.45-4.73	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		NA	NA	*	*	*
4	7.5	4.74-5.14	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		073-04954	073-04962	*	*	*
	15		NA	NA	*	*	*
6	7.5	6.56-6.96	*	*	*	*	*
	10		NA	NA	*	*	*
	12		073-05374	*	*	*	*
	15		NA	NA	*	*	*
6	7.5	6.84-7.24	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	073-05382	*	*	*
	15		NA	NA	*	*	*
8	7.5	8.54-8.94	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		NA	NA	*	*	*
8	7.5	8.99-9.39	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		073-05778	073-05786	*	*	073-05798
	15		NA	NA	*	*	*

***JABO SUPPLY NON STOCK**

SADDLES

238 OUTLET CLAMP

CC OUTLET 10-12" PIPE SIZE



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	CC OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
10	7.5	10.64-11.0	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
10	7.5	11.04-11.44	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
12	7.5	12.62-13.02	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
12	7.5	13.10-13.50	*	*	*	*	*
	10		*	*	*	*	*
	12.5		073-06386	073-06394	*	*	*
	15		*	*	*	*	*

*JABO SUPPLY NON STOCK

NPT OUTLET 3" -SMALL DIAMETER 4"



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	NPT OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
3	7.5	3.46-3.70	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
3-4	7.5	3.73-4.00	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
4	7.5	3.96-4.25	*	*	NA	NA	NA
	10		NA	NA	NA	NA	NA
	12		*	*	NA	NA	NA
	15		NA	NA	NA	NA	NA
4	7.5	4.45-4.73	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		NA	NA	*	*	*

*JABO SUPPLY NON STOCK

SADDLES

238 OUTLET CLAMP

NPT OUTLET 4"-12"



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	NPT OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
4	7.5	4.74-5.14	*	*	*	*	*
	10		073-04902	NA	*	*	*
	12.5		*	*	*	*	073-04974
	15		073-05010	NA	*	*	*
6	7.5	6.56-6.96	*	*	*	*	*
	10		NA	NA	*	*	*
	12		*	*	*	*	*
	15		073-05218	NA	*	*	*
6	7.5	6.84-7.24	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	073-05394
	15		NA	NA	*	*	*
8	7.5	8.54-8.94	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		073-05630	NA	*	*	073-05650
8	7.5	8.99-9.39	*	*	*	*	*
	10		NA	NA	*	*	*
	12.5		*	*	*	*	*
	15		NA	NA	*	*	*
10	7.5	10.64-11.0	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
10	7.5	11.04-11.44	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	073-06102
	15		*	*	*	*	*
12	7.5	12.62-13.02	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
12	7.5	13.10-13.50	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	073-06402
	15		*	*	*	*	*

*JABO SUPPLY NON STOCK



SADDLES Tapped Full Circle® Repair Clamp

All Stainless Steel, Fabricated Lugs, Single Band

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IMPORTANT LINKS

Click appropriate words to go to:

- Standard Limited Warranty
- Sales Terms & Conditions
- Freight Policy
- Returns Policy
- Corrosion & Product Selection Notice



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: A single-band clamp designed to provide 360° pressure and complete leak repair

Application: For leaks at service outlets.

Key Features:

- Standard widths 7.5" through 30"
- Can be used to repair pipe or join pipe ends
- Can be manufactured to odd size pipe O.D.'s
- All 304 Stainless Steel construction for corrosion resistance
- A 360° Gasket seal provides maximum support and reinforcement
- A wide variety of outlet sizes and thread types available to meet demand
- Keeper bar helps pull clamp around the pipe and closes the clamp during installation
- Range up to .40"
- Larger clamps have a greater range to help reduce inventory

Materials Specifications (subject to change):

BAND: 304 Stainless Steel

LUGS: 304 Stainless Steel

KEEPER BARS: 304 Stainless Steel

GASKET: Nitrile (Buna N) to produce superior storage and performance characteristics while resisting water, acids, alkalis, most (aliphatic) hydrocarbon and other chemicals.

Temperature Range: -20° F to +180° F

BRIDGE PLATE: 304 Stainless Steel recessed flush and bonded to gasket.

STUD BOLTS: 304 Stainless Steel Epoxy coated

NUTS: fluoropolymer coated to prevent galling

Working Pressure: Up to 150 PSI

Pipe Applications: Cast & Ductile Iron, Asbestos Cement, PVC, HDPE*, Steel, Copper, Fiberglass and other types of pipes

**HDPE applications will require clamps with spring washers.*

Sizes (in inches): 3, 4, 6, 8 (Also available in metric sizes). ¾", 1", 1 ¼", and 2" NPT and CC tap sizes.

Bolt Numbers

BAND WIDTH INCHES	NUMBER OF STUDS	STUD SIZES
7.5	2	5/8" x 7"
10	3	
12.5	3	
15	5	

SADDLES

264 FULL CIRCLE REPAIR CLAMP WITH OUTLET

All Stainless Steel, Fabricated Lugs, Single Band

264 FULL CIRCLE WITH CC OUTLET



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	CC OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
3	7.5	3.46-3.70	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
3-4	7.5	3.73-4.00	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
4	7.5	3.96-4.25	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
4	7.5	4.45-4.73	073-10454	*	*	*	*
	10		*	*	*	*	*
	12.5		073-10510	*	*	*	*
	15		*	*	*	*	*
4	7.5	4.74-5.14	073-10562	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
6	7.5	6.56-6.96	*	*	*	*	*
	10		*	*	*	*	*
	12		*	*	*	*	*
	15		*	*	*	*	*
6	7.5	6.84-7.24	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
8	7.5	8.54-8.94	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
8	7.5	8.99-9.39	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*

***JABO SUPPLY NON STOCK**

SADDLES

264 FULL CIRCLE REPAIR CLAMP WITH OUTLET

All Stainless Steel, Fabricated Lugs, Single Band

264 FULL CIRCLE WITH NPT OUTLET



SIZE (INCHES)	LENGTH (INCHES)	OD RANGE (INCHES)	NPT OUTLET				
			3/4"	1"	1-1/4"	1-1/2"	2"
3	7.5	3.46-3.70	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
3-4	7.5	3.73-4.00	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
4	7.5	3.96-4.25	*	*	NA	NA	NA
	10		*	*	NA	NA	NA
	12		*	*	NA	NA	NA
	15		*	*	NA	NA	NA
4	7.5	4.45-4.73	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
4	7.5	4.74-5.14	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	073-10646
	15		*	*	*	*	*
6	7.5	6.56-6.96	*	*	*	*	*
	10		*	*	*	*	*
	12		*	*	*	*	*
	15		*	*	*	*	*
6	7.5	6.84-7.24	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
8	7.5	8.54-8.94	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*
8	7.5	8.99-9.39	*	*	*	*	*
	10		*	*	*	*	*
	12.5		*	*	*	*	*
	15		*	*	*	*	*

***JABO SUPPLY NON STOCK**



JABO SUPPLY

CALL JABO SUPPLY FOR ALL YOUR WATER WORKS NEEDS



TAPPING SLEEVES

JABO SUPPLY

TAPPING SLEEVES



SINCE 1964 SINCE IS MORE THAN A PROMISE




NOTES

TAPPING SLEEVES

PICTURE INDEX TAPPING SLEEVES

SMITH BLAIR

DRESSER TPS

662 TAPPING SLEEVE	662 TAPPING SLEEVE	TRIPLE TAP TAPPING SLEEVE	TRIPLE TAP TAPPING SLEEVE
FLANGE OUTLET	MJ OUTLET	FLANGE OUTLET	MJ OUTLET
			<p>PICTURE NOT AVAILABLE</p>
<p>Pages 171-172</p>	<p>Pages 171-172</p>	<p>Pages 179-180</p>	<p>Pages 179-180</p>

TAPPING SLEEVES

OD PIPE CHART

FOR RECOMMENDATION ONLY

STEEL PIPE & STEEL SIZE PVC

SIZE	STD	IPS	SIZE	STD
INCHES	(SCH 40)		INCHES	(SCH 40)
1/2	0.84		4	4.50
3/4	1.05		4-1/2	5.00
1	1.32		5	5.56
1-1/4	1.66		6	6.63
1-1/2	1.90		8	8.63
2	2.38		9	9.63
2-1/2	2.88		10	10.75
3	3.50		12	12.75
3-1/2	4.00	14	14.00	

STD (SCH 40) STEEL PIPE 14" ABOVE THE NOMINAL SIZE IS THE O.D) (16=16.00 OD ,,ETC

COPPER TUBING

SIZE	PIPE O.D.
INCHES	(INCHES)
3/8	0.56
1/2	0.63
5/8	0.75
3/4	0.88
1	1.13
1-1/4	1.38
1-1/2	1.63
2	2.13
2-1/2	2.63
3	3.13
4	4.13
5	5.13
6	6.13

DI, C900, CAST IRON

DI, C900, CAST IRON	
SIZE	PIPE O.D.
INCHES	INCHES
4	4.80
6	6.90
8	9.05
10	11.10
12	13.20
14	15.30

ASBESTOS PIPE 4-16"

SIZE	CLASS	AC TRANITE		AC SIMPLEX	
		MACHINE	RB	MACHINE	RB
		END	MIN-MAX	END	MIN-MAX
4	100	4.64	4.79-5.14	4.70	4.95
	150	4.81	4.97-5.27	4.85	5.10
	200	4.81	5.22-5.77	5.20	5.45
6	100	6.91	7.05-7.40	6.76	7.01
	150	6.91	7.07-7.37	6.95	7.20
	200	6.91	7.26-7.56	7.50	7.75
8	100	9.11	9.22-9.57	8.80	9.13
	150	9.11	9.27-9.57	9.15	9.40
	200	9.11	9.39-9.74	9.76	10.01
10	100	11.24	11.42-11.77	11.18	11.43
	150	11.66	11.82-12.12	11.70	11.95
	200	11.66	11.77-12.12	12.20	12.45
12	100	13.44	13.69-14.04	13.36	13.61
	150	13.92	14.08-14.38	13.96	14.21
	200	13.92	14.03-14.38	14.46	14.72
14	100	15.07	15.40-15.80	15.56	15.94
	150	16.22	16.38-16.73	16.26	16.64
	200	16.22	16.48-16.88	16.88	17.26
16	100	17.15	17.54-17.94	17.76	18.14
	150	18.46	18.62-18.97	18.50	18.88
	200	18.46	18.79-19.19	19.30	19.68

PIT CAST

PIT CAST PIPE ONLY			
SIZE	NOT CURRENT MANUFACTURE OR STD		
INCHES	CLASS A	CLASS B	CLASS C / D
3	3.8	3.96	3.96
4	4.8	5.00	5.00
6	6.9	7.10	7.10
8	9.05	9.05	9.30
10	11.1	11.10	11.40
12	13.2	13.20	13.50
14	15.3	15.30	15.65
16	17.4	17.40	17.80

ASBESTOS PIPE 18"

CLASS	AC TRANITE		AC SIMPLEX	
	ME	RB MIN-MAX	ME	RB MIN-MAX
100	19.90	20.44	NA	NA
150	20.94	21.20	NA	NA
200	NA	NA	NA	NA

ASBESTOS PIPE 20"				
100	21.12	22.5	NA	NA
150	23.28	23.54	NA	NA
200	NA	NA	NA	NA

JABO SUPPLY DOES NOT WARRANTY OR GUARANTEE MANUFACTURED PIPE SIZES



TAPPING SLEEVES



Carbon Flange Tapping Sleeve

Stainless Steel Body and Neck

662

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)
[Sales Terms & Conditions](#)
[Freight Policy](#)
[Returns Policy](#)
[Corrosion & Product Selection Notice](#)



Description: Stainless Steel tapping sleeve, with Carbon Steel flange.

Application: For tapping pipe with reducing and size-on-size flanged outlets.

Key Features:

- Easy to install
- Range helps reduce inventory
- Meets applicable AWWA C223 Standards
- Molded-in ring in the gasket to ensure effective sealing
- Nylon washers are provided to improve bolt torque capability
- Heavy gauge, all-Stainless Steel body for rugged performance
- Fully chemically passivated for maximum corrosion protection
- 3/4" test outlet to allow hydrostatic pressure test before tapping the pipe
- 360° seal provides maximum support and reinforcement around the pipe in case of pipe break
- Body drawn out to accept the outlet neck adding to the overall strength of the area under the most stress

Materials Specifications (subject to change):

BODY: Full circumference band. 18-8 type 304 Stainless Steel

FLANGES: AWWA C207 Class D, ANSI 150# drilling. Recessed for Tapping Valve per MSS-SP 60

Fusion-Bonded, Flexi-Coat® epoxy coated Carbon Steel. *Optional: Other types of Flanges, threaded outlets, MJ Outlets*

GASKET: Nitrile (Buna-N) NSF® 61 compounded to resist water, oil, acids, alkalies, most (aliphatic) hydrocarbon fluids and many chemicals

Temperature Range: up to +180°F

BOLTS, NUTS & WASHERS: 18-8 Type 304 Stainless Steel heavy hex nuts, stud bolts & washers. Nuts and studs are coated to prevent galling

Working Pressure: Up to 240 PSI

Pipe Applications: Steel, Cast Iron, Asbestos Cement, PVC and other. For other pipe materials, please contact Smith-Blair Engineering.

Sizes (in inches): Please contact Smith-Blair for styles, sizes and pricing.

TAPPING SLEEVES

QUICK REFERENCE CHART

SMITH BLAIR 662

SIZE (INCHES)	OD RANGE (INCHES)	IPS	DI	PIT CAST	MACHINE END						ROUGH BARREL					
			C900 CI		AC-T 100	AC-S 100	ACT-T 150	AC-S 150	AC-T 200	AC-S 200	AC-T 100	AC-S 100	ACT-T 150	AC-S 150	AC-T 200	AC-S 200
4	4.46-4.86	4.50			4.64	4.70	4.81	4.85	4.81			4.7				
	4.80-5.10		4.80	4.8-5.0				4.85	4.81							
	4.95-5.35									5.20	*4.79-5.14		*4.97-5.27	5.10	5.22-5.77	*5.45
6	6.59-6.99	6.63	6.90		6.91	6.76	6.91		6.91			6.76				
	6.84-7.30			6.9-7.1	6.91			6.95			7.05-7.40		7.07-7.37	7.20	7.26-7.56	
	7.40-7.80									7.50						7.75
8	7.90-8.30															
	8.62-9.06	8.63	9.05			8.8					8.8					
	8.99-9.45		9.05	9.05-9.30	9.11		9.11	9.15	9.11							
	9.20-9.60										9.22-9.57		9.27-9.57	9.40	9.39-9.74	
	9.60-10.00									9.76						10.01
10	10.73-11.13	10.75	11.10													
	11.05-11.45		11.10	11.10-11.40	11.24	11.18	*11.66	*11.70	*11.66		*11.42-11.77	11.18	*11.82-12.12	*11.95		
	12.00-12.40								12.20							12.45
12	12.50-12.90	12.75														
	13.16-13.56		13.20	13.20-13.50	13.44	13.36						13.36				
12-14	13.60-14.09	14.00						13.96	13.92		13.69-14.04			13.96		
12	14.10-14.58				*15.07	*15.07				14.46		14.46	14.08-14.38		14.03-14.48	*14.72
14	15.30-15.80		15.3	15.30-15.65							15.40-15.80					
	15.80-16.30	16.00					16.26	16.22						16.26		
	16.40-16.80									*16.88		16.38-16.73		16.48-16.88	*17.26	
16	17.40-17.80		17.4													
16-18	18.60-19.20															
18-20	19.50-20.10	20.00	19.5													
18-20	20.90-21.59															
20	21.60-22.40		21.6													

THIS IS ONLY A GUIDE, JABO SUPPLY DOES NOT GUARANTEE

CHECK ACTUAL PIPE SIZE- OD CHART DOES NOT MATCH ANY RANGE

NOT APPLICABLE

AC-T= Asbesto Transite
 AC-S= Asbesto Simplex
 100, 150, 200= Class of Pipe

TAPPING SLEEVES

TAPPING SLEEVES

SMITH BLAIR 662



SIZE (INCHES)	OD RANGE (INCHES)	OUTLET TYPE	
		MJ	FLANGE
4 X 4	4.46-4.86	073-25082	073-25078
	4.80-5.10	*	
	4.95-5.35	*	
6 X 4	6.59-6.99	073-25106	073-25102
6 X 6		*	073-25110
6 X 4	6.84-7.30	*	*
6 X 6		*	*
6 X 4		*	*
6 X 6	7.10-7.50	*	*
6 X 4		*	*
6 X 4	7.40-7.80	*	*
6 X 6		*	*
8 X 4	7.90-8.30	*	*
8 X 6		*	*
8 X 4	8.62-9.06	*	073-25170
8 X 6		073-25182	073-25178
8 X 8		073-25190	*
8 X 4	8.99-9.45	*	*
8 X 6		*	*
8 X 8		*	*
8 X 4	9.20-9.60	*	*
8 X 6		*	*
8 X 8		*	*
8 X 4	9.60-10.00	*	*
8 X 6		*	*
8 X 8		*	*
10X4	10.73-11.13	*	073-25278
10 X 6		073-25286	073-25282
10 X 8		073-25294	073-25290
10 X 10		*	073-25298
10X4	11.05-11.45	*	*
10 X 6		*	*
10 X 8		*	*
10 X 10		*	*

SIZE (INCHES)	OD RANGE (INCHES)	OUTLET TYPE	
		MJ	FLANGE
10X4	12.00-12.40	*	*
10 X 6		*	*
10 X 8		*	*
10 X 10		*	*
12 X 4	12.50-12.90	*	*
12 X 6		*	*
12 X 8		*	*
12 X 10		*	*
12 X 12	13.16-13.56	*	*
12 X 4		*	073-25430
12 X 6		*	073-25438
12 X 8		*	073-25446
12 X 10	13.60-14.09	*	073-25454
12 X 12		*	073-25454
12 X 4		*	*
12 X 6		*	*
12 X 8	14.10-14.58	*	*
12 X 10		*	*
12 X 12		*	*
12 X 4		*	*
12 X 6	15.30-15.80	*	*
12 X 8		*	*
12 X 10		*	*
12 X 12		*	*
14 X 4	15.30-15.80	*	*
14 X 6		*	*
14 X 8		*	*
14 X 10		*	*
14 X 12		*	*

* NON STOCK CALL JABO SUPPLY

STOCK - FLEXI-COAT® EPOXY COATED CARBON STEEL FLANGE

TAPPING SLEEVES

TAPPING SLEEVES

SMITH BLAIR 662

SMITH BLAIR 662



SMITH BLAIR 662



SIZE (INCHES)	OD RANGE (INCHES)	OUTLET TYPE	
		MJ	FLANGE
14 X 4	15.80-16.30	*	*
14 X 6		*	*
14 X 8		*	*
14 X 10		*	*
14 X 12		*	*
14 X 4	16.40-16.80	*	*
14 X 6		*	*
14 X 8		*	*
14 X 10		*	*
14 X 12		*	*
16 X 4	17.40-17.80	*	*
16 X 6		*	*
16 X 8		*	*
16 X 10		*	*
16 X 12		*	*
16-18 X 4	18.60-19.20	*	*
16-18 X 6		*	*
16-18 X 8		*	*
16-18 X 10		*	*
16-18 X 12		*	*
18-20 x 4	19.50-20.10	*	*
18-20 x 6		*	*
18-20 x 8		*	*
18-20 x 10		*	*
18-20 x 12		*	*
18-20 x 4	20.90-21.59	*	*
18-20 x 6		*	*
18-20 x 8		*	*
18-20 x 10		*	*
18-20 x 12		*	*
20 X 4	21.60-22.40	*	*
20 X 6		*	*
20 X 8		*	*
20 X 10		*	*
20 X 12		*	*

SIZE (INCHES)	OD RANGE (INCHES)	OUTLET TYPE	
		MJ	FLANGE
20 X 4	23.50-24.20	*	*
20 X 6		*	*
20 X 8		*	*
20 X 10		*	*
20 X 12		*	*
24 X 4	25.80-26.60	*	*
24 X 6		*	*
24 X 8		*	*
24 X 10		*	*
24 X 12		*	*
24 X 4	28.30-29.00	*	*
24 X 6		*	*
24 X 8		*	*
24 X 10		*	*
24 X 12		*	*

*** NON STOCK CALL JABO SUPPLY**

STOCK -FLEXI-COAT® EPOXY COATED CARBON STEEL FLANGE

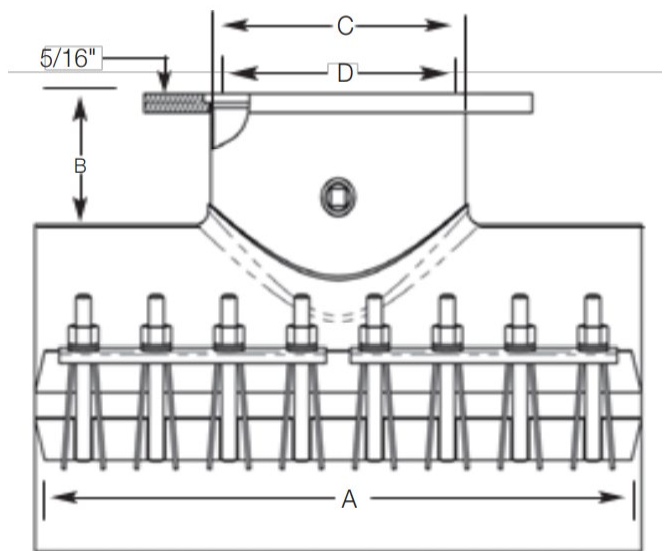
TAPPING SLEEVES

TAPPING SLEEVES

SMITH BLAIR 662

Tapping Sleeve Specifications

OUTLET SIZE	NOMINAL BODY SIZE	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E	F (IN.)
4	4	15	5	5 1/16	4 1/4	8	5/8
	6-18	15	5	5 1/16	4 1/4	8	5/8
	20-24	20	5	5 1/16	4 1/4	15	5/8
6	6	15	5	7 1/16	6 5/16	8	5/8
	8-18	15	5	7 1/16	6 5/16	8	5/8
	20-24	20	5	7 1/16	6 5/16	15	5/8
8	8	20	5	9 1/16	8 3/8	10	5/8
	10-18	20	5	9 1/16	8 3/4	10	5/8
	20-24	25	5	9 1/16	8 3/4	24	5/8
10	10	25	5	11 3/32	10 1/4	16	5/8
	12-18	25	5	11 3/32	10 3/4	16	5/8
	20-24	25	5	11 3/32	10 3/4	24	5/8
12	12	25	5	13 3/32	12 1/4	16	5/8
	14-18	25	5	13 3/32	12 3/4	16	5/8
	20-24	25	5	13 3/32	12 3/4	24	5/8



(E) Qty. of Bolts

(F) Bolt Size



Triple Tap[®]

Extended Range
Stainless Steel Tapping & Line Stop Sleeves

Sizes 4" – 30" Available in Flanged or MJ Outlet
Patented Gasket System for 360° seal
Universal Fit Including DIP, PVC & HDPE
More range 0.9" = less inventory



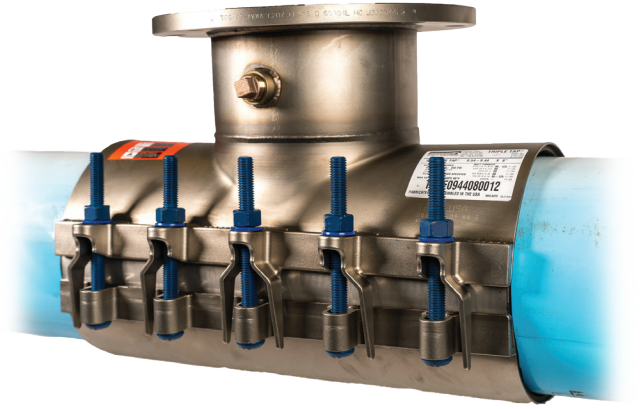
TAPPING SLEEVES

Fewer Sizes, Less Inventory = More With Less

The TPS Triple Tap features a number of distinct advantages, including a double range body, allowing a substantial reduction in inventory. One sleeve is able to accommodate tapping steel, ductile, PVC, polyethylene and asbestos cement pipes in a given nominal diameter range. There is no need for extra on-hand sizes to accommodate the local market requirements for hot tapping water and sewer pipes.

The Triple Tap includes an easy to install hinged body geometry that offers extra spreading range without having to fully disassemble the product, allowing quick bolt up and installation. Our patented lug, shell and gasket design technologies provide enhanced performance, easier fit and less inventory.

The Triple Tap exceeds industry Standards, AWWA C223 and MSS SP-124-2012. An opposing seal bead system on the upper and lower gaskets combines to provide a secure 360° seal.



Specifications

Nominal Sizes: 4" - 30"

Range: Up to 0.9" per sleeve

Flange: As standard, 18-8 Stainless Steel (Type 304SS) drilled to AWWA Class "D" per AWWA C228 and machined with a recess per MSS SP-60 to accept industry tapping valves

Optional Flanges: ANSI and AWWA C228 or C207 class flanges, or Mechanical Joint (MJ) outlet in Epoxy Coated Carbon or Stainless Steel are available upon request

Pressure Rating*: AWWA C228 or C207 Class "D" Flange and is determined by the rating of the flange supplied on sleeve. When properly installed Triple Tap Tapping Sleeves is capable of working pressures up to 250*psi, with hydrostatic testing up to 350*psi

Temperature Rating: 180°F maximum continuous temperature

Gasketing: NBR Rubber certified to NSF-61/372 for drinking water

Shell: Heavy duty 18-8 Stainless Steel (type 304). 4" – 8" diameters uses 12 gauge. 10" – 16" diameters uses 11 gauge. 18" – 30" diameter uses 10 gauge

Alignment Lugs: Heavy Gauge 18-8 Stainless Steel (type 304)

Branch Pipe: 18-8 Stainless Steel (type 304)

Spanner Plate: Heavy gauge 18-8 Stainless Steel (type 304) integral with gasket

Test Port: 3/4" Stainless Steel port with 3/4" IPS Stainless Steel pipe plug

Hardware: 304 Stainless Steel nuts, bolts, and washers with fluoropolymer coating to prevent galling

Testing: Triple Tap is tested for beam breakage on a simulated 360-degree break test performed at 1.5 times rated pressure on a test pipe designed with a 1/8" wide by 3/16" deep hydrostatically pressurized groove

NOTE:* The pressure rating, temperature rating, and bolt torque shown on the product label are the actual ratings of the individual product. Pressure Rating is limited by the flange used on sleeve and will not exceed the pressure rating of the pipe. The allowable working pressure of the tapping sleeve will be determined by the size of pipe, type of pipe, type of sleeve, application, condition of the pipe, environmental and service conditions, and installation workmanship.

*NOTE**:* For use on (HDPE) polyethylene pipe*, Triple Tap is only recommended for underground service. Contact customer service for complete information regarding performance and use on polyethylene pipe.



TAPPING SLEEVES

Mechanical End Joint (Optional)

- » MJ End Meets ANSI/AWWA C-111
- » Direct Valve Face to MJ Flange Face mounting ensures perfect alignment of the valve and eliminates gaps between the Valve and flange interface
- » Pre-Installed Mechanical Joint NBR NSF 61/372 approved gasket provides seal eliminating cold flow or rolling into line
- » Non-Flexible Joining Interface for Proper Cutter Alignment
- » Slotted Bolt Holes Included for Ease of Installation
- » Available on All Triple Tap Sizes



NOTE: Tapping Sleeve Reuse: Due to spanner forming (creasing) and other permanent set deformations incurred in installation, tapping sleeves must not be reused until refurbished with new bolts and new gaskets at DPS. Always insure the main pipe has the structural integrity to resist the mechanical load of the tapping sleeve or the product may not seal properly.

Triple Tap Tapping Sleeve Sizes

Nominal Dia.	Extended Range (in.)	Outlet/ Branch Sizes	Range Pipe Diameter (in.)
4	4.45-5.13	2-4"	CTS, IPS, DIP, PVC Pit Cast
4 o.s.	4.74-5.36	2-4"	DI, PVC, Pit Cast, AC 100/150
5	5.50-6.20	4"	CTS, IPS
6	6.55-7.42	4-6"	IPS, DIP, PVC Pit Cast, AC 100/150
6 o.s.	6.84-7.65	4-6"	DIP, PVC DIP,Pit Cast, AC 100/150/200
8	8.54-9.44	4-8"	IPS, DIP, PVC, Pit Cast
8 o.s.	8.98-9.84	4-8"	DIP, PVC, Pit Cast, AC 100/150/200
10	10.64-11.46	4-10"	IPS, DIP, PVC Pit Cast
10 o.s.	11.34-12.16	4-10"	Pit Cast, AC 100/150/200
12	12.62-13.56	4-12"	IPS, DIP, PVC, Pit Cast
12 o.s.	13.65-14.42	4-12"	IPS, AC 100/150/200
14	15.22-16.16	4-12, 14"	IPS, DIP, PVC, Pit Cast, AC 100
14 o.s.	16.18-16.92	4-12, 14"	AC 150/200
16	17.25-18.18	4-12, 14, 16"	IPS, DIP, PVC, Pit Cast, AC 100
16 o.s.	18.42-19.23	4-12, 14, 16"	AC 150/200
18	19.37-20.25	4-12, 14, 16"	DIP, PVC, Pit Cast
20	21.40-22.22	4-12, 14, 16"	DIP, PVC, Pit Cast
24	25.60-26.40	4-12, 14, 16"	DIP, PVC, Pit Cast
30	29-50 -30.35	4-12, 14, 16"	IPS

Contact customer service for additional sizes and configurations.

Size-on-size outlets require 1/2" undersized shell cutter.

TAPPING SLEEVES

Triple Tap Line Stop Sleeve

Available in 4" - 24" Diameters with Branches and with treaded or push completion plugs up to 12".

Compatible with common Line stop equipment, and similar to the Triple Tap Tapping Sleeve, it is designed to withstand the stresses and mechanical forces incurred during the line stopping process even during beam break conditions.

Designed for use on Steel, Cast & Ductile Iron, PVC, HDPE , Abestos Cement, and copper.

Line Stop Compatible Outlet: ANSI/ASME B16.5 Class 150# slip-on flange in 304 stainless or carbon steel.

Compatible with commonly used line stopping equipment with an MSS SP60 recess for all industry standard tapping valves.

Optional Type "H" End Equipment interface available.

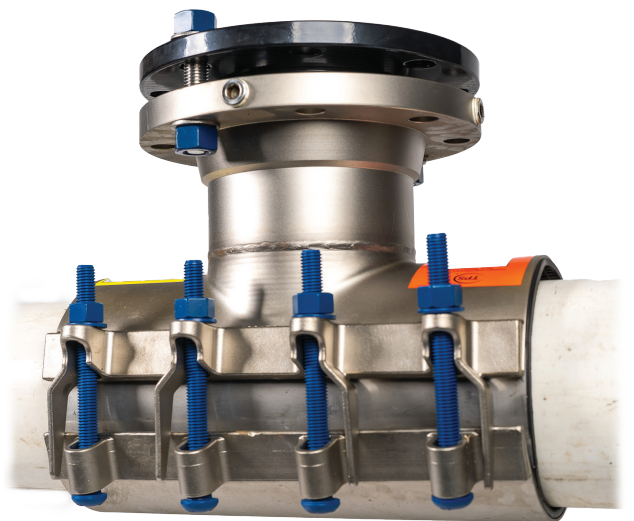
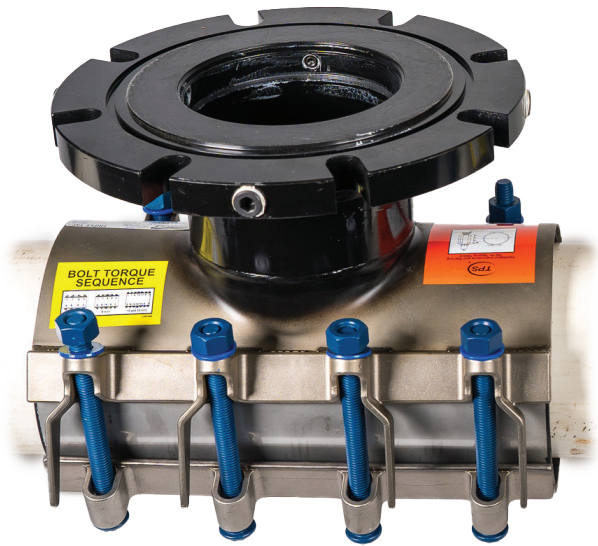
Line Stopping Completion Plug: Completion Plugs may be threaded or push style. Plug construction is of Ductile Iron per ASTM A536. Completion Plug interfaces are designed to fit all common line stopping equipment. For completion plug interface dimensions contact customer service.

¾" Test Outlet: Allows for hydrostatic pressure test before tapping the pipe and for pressure equalization

Blind Flange/Debris Cover: Standard AWWA Class B 150# Available upon request

Blind Flange Bolts: 304 Stainless steel with anti-gall coating on nuts

Contact customer service for additional details, sizes and configurations.



WARNING This product is not intended for use on natural gas piping or any other type of gas piping. To do so could result in escaping gas that could ignite and cause property damage, serious injury or death.

NATURAL GAS

NO!

WARNING This is a non-restraining product. If pipe pullout can occur, proper anchoring of the pipe joint is required. Failure to anchor the pipe could result in the escape of line content, and may cause property damage, serious injury or death.

SEWER PIPE RANGES		
4"	4.10	4.90
6"	6.20	7.00
8"	8.35	9.15

WARNING This product is intended for use on HDPE SDR-17 or greater wall thicknesses, and shall be used for buried service only. The DPS Triple Tap product line is not approved for above ground applications on HDPE or other plastic pipe



Dresser Coupling & Repair
 1760 Haskell Road
 Olean, NY 14760
 P: 716-372-0160
 F: 716-372-1767
www.dresserutility.com/water

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TAPPING SLEEVES

QUICK REFERENCE CHART

DRESSER /TPS TRIPLE TAP



SIZE (INCHES)	OD RANGE (INCHES)	IPS	DI C900 CI	PIT CAST	MACHINE END						ROUGH BARREL					
					AC-T	AC-S	ACT-T	AC-S	AC-T	AC-S	AC-T	AC-S	ACT-T	AC-S	AC-T	AC-S
					100	100	150	150	200	200	100	100	150	150	200	200
4	4.45-5.13	4.50	4.80	4.8-5.0	4.64	4.70	4.81	4.85	4.81			4.70		4.85	4.81	4.95
4 os	4.74-5.36									5.20	4.79-5.14		4.97-5.27	4.85	4.81	4.95
5	5.50-6.20															
6	6.55-7.42	6.63	6.90	6.9-7.1	6.91	6.76	6.91	6.95	6.91			6.76		6.95	6.91	
6 os	6.84-7.65									7.50	7.05-7.40		7.07-7.37	6.95	6.91	7.75
8	8.54-9.44	8.63	9.05	9.05-9.30	9.11	8.80	9.11	9.15	9.11			8.80	N	9.15	9.11	
8 os	8.98-9.84		9.05	9.05-9.30	9.11		9.11	9.15	9.11	9.76	9.22-9.57		9.27-9.57	9.15	9.11	10.01
10	10.64-11.46	10.75	11.10	11.10-11.40	11.24	11.18						11.18				
10 os	11.34-12.16						11.66	11.70	11.66	12.20	11.42-11.77		11.82-12.12	11.70	11.66	
12	12.62-13.56	12.75	13.20	13.20-13.50	13.22	13.36						13.36				12.75
12 os	13.65-14.42	14.00					13.96	13.96	13.92	14.46	13.69-14.04		14.08-14.38	13.96	13.92	14.72
14	15.22-16.16	16	15.2	15.30-15.65	15.07	15.56					15.40-15.80	15.56				
14 os	16.18-16.92						16.22	16.26	16.22	16.88			16.38-16.73	16.26	16.22	
16	17.25-18.18	18	17.4	17.40-17.80												17.26
18	18.42-19.23															
18-20	19.37-20.25	20	19.5													
20	21.40-22.22		21.6													
24	25.60-26.40		25.8													
30	29.50-30.35	30														

THIS IS ONLY A GUIDE, JABO SUPPLY DOES NOT GUARANTEE

CHECK ACTUAL PIPE SIZE- OD CHART DOES NOT MATCH ANY RANGE

NOT APPLICABLE

AC-T= Asbesto Transite

AC-S= Asbesto Simplex

100, 150, 200= Class of Pipe

TAPPING SLEEVES

TAPPING SLEEVES

DRESSER (TPS) TRIPLE TAP



PHOTO SS FLANGE OUTLET



SIZE (INCHES)	OD RANGE (INCHES)	OUTLET TYPE	
		MJ	FLANGE
4 X 2	4.45-5.13	*	*
4 X 4		*	*
4 X 2	4.74-5.36	*	*
4 X 4		*	*
5	5.50-6.20	*	*
6 X 4	6.55-7.42	*	*
6 X 6		*	*
6 X 4	6.84-7.65	*	*
6 X 6		*	*
8 X 4	8.54-9.44	*	*
8 X 6		*	*
8 X 8		*	*
8 X 4	8.98-9.84	*	*
8 X 6		*	*
8 X 8		*	*
10 X 4	10.64-11.46	*	*
10 X 6		*	*
10 X 8		*	*
10 X 10		*	*
10 X 4	11.34-12.16	*	*
10 X 6		074-50708	*
10 X 8		*	*
10 X 10		*	*
12 X 4	12.62-13.56	*	*
12 X 6		074-50740	*
12 X 8		*	*
12 X 10		*	*
12 X 4	13.65-14.42	*	*
12 X 6		*	*
12 X 8		*	*
12 X 10		*	*
12 X 12		*	*

SIZE (INCHES)	OD RANGE (INCHES)	OUTLET TYPE	
		MJ	FLANGE
14 X 4	15.22-16.16	*	*
14 X 6		*	*
14 X 8		*	*
14 X 10		*	*
14 X 12		*	*
14 X 14		*	*
14 X 4	16.18-16.92	*	*
14 X 6		*	*
14 X 8		*	*
14 X 10		*	*
14 X 12		*	*
14 X 14	*	*	
16 X 4	17.25-18.18	*	*
16 X 6		*	*
16 X 8		*	*
16 X 10		*	*
16 X 12		*	*
16 X 14		*	*
16 X 16	*	*	
16 X 4	18.42-19.23	*	*
16 X 6		*	*
16 X 8		*	*
16 X 10		*	*
16 X 12		*	*
16 X 14	*	*	
16 X 16	*	*	
18 X 4	19.37-20.25	*	*
18 X 6		*	*
18 X 8		*	*
18 X 10		*	*
18 X 12		*	*
18 X 14		*	*
18 X 14	*	*	

STOCK= EPOXY COATED FLANGE

SS FLANGE AVAILABLE

*NON STOCK CALL JABO SUPPLY

TAPPING SLEEVES

TAPPING SLEEVES

DRESSER TRIPLE TAP

PHOTO SS FLANGE OUTLET



SIZE (INCHES)	OD RANGE (INCHES)	OUTLET TYPE	
		MJ	FLANGE
24 X 4	25.60-26.40	*	*
24 X 6		*	*
24 X 8		*	*
24 X 10		*	*
24 X 12		*	*
24 X 14		*	*
24 X 16		*	*
30 X 4	29-50 -30.35	*	*
30 X 6		*	*
30 X 8		*	*
30 X 10		*	*
30 X 12		*	*
30 X 14		*	*
30 X 16		*	*

STOCK= EPOXY COATED FLANGE

SS FLANGE AVAILABLE

***NON STOCK CALL JABO SUPPLY**



JABO SUPPLY

CALL JABO SUPPLY FOR ALL YOUR WATER WORKS NEEDS



JABO SUPPLY

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PARKERSBURG, WV

10085 Emerson Avenue 26102
(304) 464-4400

NORTON, VA

205 Hawthorne Drive, 24273
(276) 679-1224

MORGANFIELD, KY

118 Jim Veatch Road, 42437
(270) 389-3430

BEAVER, WV (BECKLEY)

227 C&O Shop Road 25813
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