TEAM 2.0.00

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Modular Leak Repair Enclosures

Modular Repairs

Responsiveness Redefined

TEAM's range of modular leak repair enclosures sets a new benchmark for standard pre-engineered leak repair solutions. These standard piping enclosures and friction grip safety devices utilize the latest CNC machining and code-compliant fabrication to ensure safe and effective repairs with industry leading responsiveness.

Reliable Availability and Cost - Your Partner of Choice

TEAM's modular leak repair enclosures standardize the repair approach in term of design and cost. With all sizes of enclosure held in inventory, TEAM is the world leader in emergency leak repair. Enclosures can be combined and extended in the field to effectively reinstate the integrity of damaged critical assets.



Why TEAM?

- Single supplier, single point of contact worldwide
- Company-wide commitment to safety
- Trained and certified technicians
- Complete range of maintenance and repair services
- Engineering, manufacturing and technical support
- World class quality processes and systems

Standard Specification

Design/Construction Standards:

- Design code: ASME VIII Div. 1
- Body ASTM A516 Grade 70 Carbon Steel
- Fasteners ASTM A193 B7 & A194 2H Nuts
- Corrosion Allowance 1/16 in
- Perimeter Seal and/or Void Fill

Service Limitations:

- Pressure 350psi & 750psi (see rating table)
- Temperature minus 20ºF to +750ºF





Design Features & Benefits

TEAM's range of standard repairs offer numerous advanced features improving the safety and quality of leak repair activities in the field.

Design & Construction Code & Standards

All TEAM standard modular repairs are designed and constructed using ASME VIII Division 1 rules.

All designs are stamped by a certified Professional Engineer (PE) ensuring compliance

A full catalog of design packages is available to allow blanket corporate/site approval, removing the need for individual design verification for each application

Friction Grip Safety Restraints - Reliability Assured

Using friction as a means of restraining piping has been a standard solution in industry for many years. Various factors influence the performance of these devices including pipe surface preparation, restraint bore surface profile and torque used in setting the restraints. In order to ensure optimum reliability TEAM has had all standard friction grip restraints independently tested and certified to provide a factor of safety of 1.5 at the maximum design pressure. Stress analysis has been conducted on the host piping to ensure structural stability under the applied gripping force

Stop-Gap Repair Clearance

All TEAM standard modular repairs are designed to accommodate a stop-gap repair such as a mechanical patch or non-engineered composite repair. This allows leaks to be arrested immediately and reduces risk to the work party during installation

Continuous Sealing to Connect and Extend Enclosures

All TEAM standard modular repairs feature a patented continuous seal system that utilizes internal valves to connect injection grooves between mating enclosures. This system has a significant safety advantage over competing systems as no drilling into the pressure boundary is required

Minimizing Custom Repairs

At TEAM our goal is to minimize the need for custom engineered solutions. Pressure system components can be fabricated in a huge variety of configurations and customized design can be unavoidable. With TEAM's standard modular system our designers have the ability to supplement standard components with custom additions to minimize the scope of custom manufacture. Reducing cost and lead-time











Straight Run Piping Enclosures

Block Design





Fabricated Design





Block Desig				Inje	ctors	Sealant (in ³)										
Smart Part No.	Size	Rating (psi)	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	" "	Weight (Ib)	Per Seal	Void Fill	Per Seal	Void Fill
LST-3-F4F4-02-A2-001	0.5	750	6.25	2.5	2.00	1.00	1.50	4.88	0.96	0.50	2.33	22	8	2	6	8
LST-3-F5F5-02-A2-001	0.75	750	6.25	2.5	2.13	1.25	1.75	5.00	1.17	0.50	2.42	23	8	2	6	10
LST-3-0101-02-A2-001	1	750	6.75	3.0	2.44	1.25	1.75	5.31	1.44	0.50	2.41	26	8	2	7	13
LST-3-1515-02-A2-001	1.5	750	8.25	4.5	3.00	1.50	2.00	5.88	2.02	0.50	2.49	37	12	4	10	24
LST-3-0202-02-A2-001	2	750	9.75	6.0	3.44	1.88	2.50	6.31	2.50	0.63	2.73	54	12	4	11	49
LST-3-0303-02-A2-001	3	750	8.25	4.5	4.56	2.38	3.00	7.44	3.62	0.63	2.92	57	12	4	12	47
LST-3-0404-02-A2-001	4	750	10	6.0	5.56	2.75	3.50	8.81	4.62	0.75	3.27	92	12	4	14	78
LST-3-0606-02-A2-001	6	750	13	9.0	7.69	4.00	5.00	11.25	6.75	1.00	4.10	195	20	6	24	223

Fabricated Des				Injed	ctors	Sealant (in³)									
Smart Part No.	Size Rating (psi)		"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	Weight (Ib)	Per Seal	Void Fill	Per Seal	Void Fill
LST-1-0606-02-A2-001	6	350	16.75	12	7.44	3.25	9.50	6.75	8.63	2.78	128	16	8	10	187
LST-1-0808-02-A2-001	8	350	17.00	12	9.56	3.25	11.63	8.75	10.75	3.47	169	20	8	11	280
LST-3-0808-02-A2-001	8	750	16.62	12	11.18	1.75	12.75	8.75	12.75	4.68	235	20	12	10	564
LST-1-1010-02-A2-001	10	350	17.75	12	12.69	3.75	14.88	10.88	14.00	4.34	267	16	8	10	566
LST-3-1010-02-A2-001	10	750	16.62	12	12.20	2.25	14	10.88	14.00	4.48	275	20	12	11	484
LST-1-1212-02-A2-001	12	350	18.00	12	14.75	3.75	16.88	12.88	16.00	4.25	296	16	12	11	660
LST-3-1212-02-A2-001	12	750	16.62	12	13.98	2.25	16	12.88	16.00	4.37	323	24	12	13	482



90° Bend Enclosures

Block Design



Fabricated Design





TEAM

Block Design						Ľ	Injectors		Sealant (in³)										
Smart Part No.	Size	Туре*	Rating (psi)	" A "	"B"	"C"	"D"	"E"	"F"	"G"	"Н"	" "	"J"	"K"	Weight (Ib)	Per Seal	Void Fill	Per Seal	Void Fill
LEL-3-F4F4-02-A2-001	0.5	SR/SW/SC	750	6.19	5.38	2.00	1.50	0.50	6.19	0.96	1.96	0.69	2.58	2.50	22.00	10	2	3	13
LEL-3-F5F5-02-A2-001	0.75	SR/SW/SC	750	6.44	5.63	2.25	1.75	0.50	6.44	1.17	1.98	0.63	2.60	2.44	26.00	10	2	3	19
LEL-3-0101-02-A2-001	1	SR/SW/SC	750	6.88	6.06	2.63	2.00	0.50	6.88	1.44	2.03	0.63	2.72	2.44	30.00	12	2	4	29
LEL-3-1515-02-A2-001	1.5	SR/SW/SC	750	8.02	7.20	3.41	2.50	0.56	8.02	2.02	2.13	0.75	3.18	1.18	49.00	12	4	4	62
LEL-3-0202-02-A2-001	2	SR/SW/SC	750	8.94	8.13	3.75	2.50	0.63	8.94	2.50	2.06	1.38	3.69	3.19	60.00	14	4	5	68
LEL-3-0303-02-A2-001	3	LR	750	10.84	7.84	4.56	3.00	0.81	10.84	3.62	1.88	0.56	2.44	2.38	87.00	14	6	5	87
LEL-3-0404-02-A2-001	4	LR	750	12.84	8.84	5.56	3.50	0.9375	12.84	4.62	1.91	0.56	2.44	2.38	126.00	18	6	7	137
LEL-3-0606-02-A2-001	6	LR	750	17.53	11.47	7.69	5.00	1.25	17.53	6.75	2.41	0.56	2.44	2.50	303.00	24	8	8	362

Fabricated Design – Long Radius Bends					Dimensions															Injectors		Sealant (in3)		
Smart Part No.	Size	Type*	Rating (psi)	" A "	"B"	"C"	"D"	"E"	"F"	"G"	"н"	- 1 -	"J"	"к"	"L"	"M"	"N"	"0"	"P"	Weight (Ib)	Per Seal	Void Fill	Per Seal	Void Fill
LEL-1-0606-02-A2-001	6	LR	350	23.2	16.4	9.56	1.5	3.0	23.2	2.3	4.91	11.6	4.91	6.75	3.19	5.69	1.5	3.44	4.91	256	26	12	13	963
LEL-1-0808-02-A2-001	8	LR	350	26.8	18.5	11.48	2.0	3.8	26.8	3.4	4.92	13.6	4.44	8.75	2.94	6.63	3.5	5.19	4.38	376	28	16	15	1320
LEL-3-0808-02-A2-001	8	LR	750	25.9	19	11	1.50	1.5	25.9	3.75	5.12	12.8	4.93	8.75	2.00	4.44	2.5	4.25	5.12	418	26	16	17	1090
LEL-1-1010-02-A2-001	10	LR	350	29.3	19.3	12.80	2.0	3.8	29.3	3.6	4.27	14.9	5.25	10.88	1.88	6.06	4.5	4.38	4.50	419	28	20	16	1330
LEL-3-1010-02-A2-001	10	LR	750	28.5	20.1	12.3	1.75	1.8	28.5	3.25	3.88	14.0	5.37	10.88	2.5	4.94	2.5	4.5	3.88	520	34	20	23	1072
LEL-1-1212-02-A2-001	12	LR	350	32.9	22.1	14.86	2.5	3.8	32.9	4.3	4.67	16.9	5.94	12.88	3.00	7.44	5.0	4.38	4.94	512	28	24	17	1720
LEL-3-1212-02-A2-001	12	LR	750	35.2	24.5	15.5	2.00	2	35.2	3.75	5.37	18.0	6.34	12.88	3.00	5.44	3.5	5.25	5.37	1025	38	24	27	2838

*LR= Long Radius, SR = Short Radius SW = Socket Weld, SC=Screwed



For over five decades, TEAM Inc. has been providing asset integrity to diverse industries, including oil & gas, aerospace, petrochemicals, pipeline, and power generation. Our integrated service approach covers everything from inspection to repair, ensuring our communities operate safely and efficiently.

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