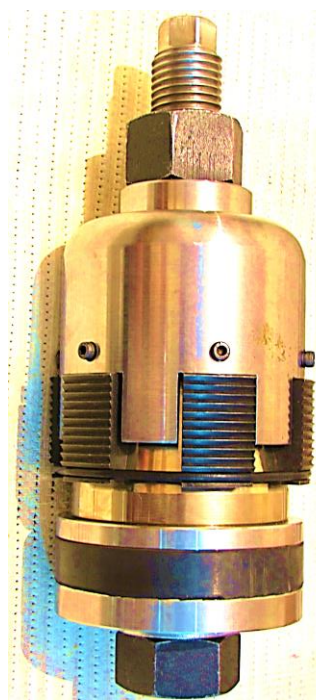
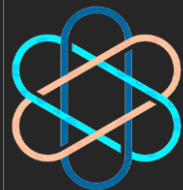


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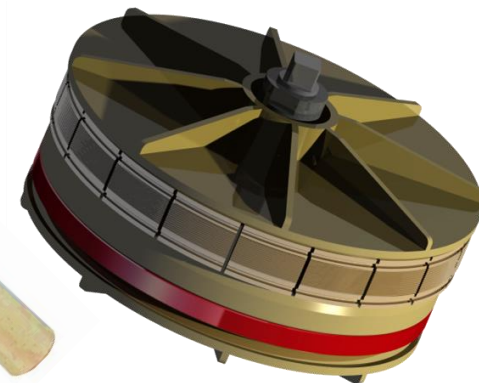
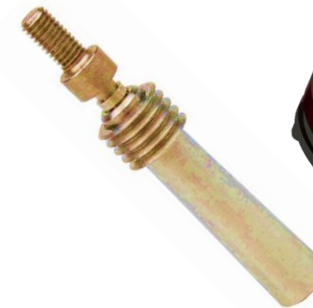
PIPE LINE SERVICESE

Knowledge based company

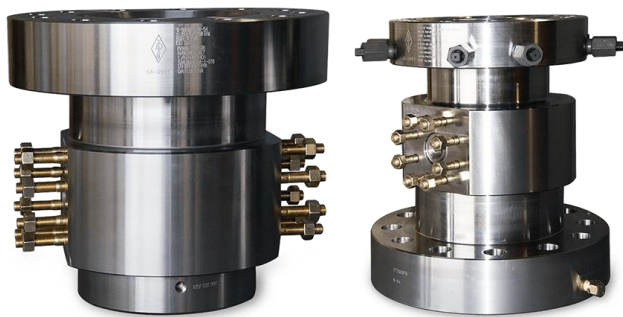


Pressure Testing & Isolation Plugs

- Hydrostatic Test Plugs
- Pipe Isolation Plugs
- Hydrostatic Test Pumps
- Accessories/Safety Equipment



Product Guide



Heat Exchanger Testing

Plugging Hydrostatic Test

Isolation Plugs

Field Services

Wellhead Equipment



OXIN FIDAR JAM

Knowledge based company



Vision and mission

Oxin fidar jam company (OFJ .Co), is a knowledge based company which was founded to cover the industrial demands of domestic market. After nonstop research and gathering valuable experiences, we could introduce ourselves as a leader of special hydro-test tools and blocking devices in the field of oil, gas and power plant.

After we introduce our special design in comparison to foreign competitors, we achieved exclusive design and manufacturer of sealing solutions for various demands.

➤ **Our missions are as follows:**

- Extending domestic and foreign market
- Introduce new products with respect to customer needs
- Research and development for developing new products and satisfaction customer's future demands

OXIN FIDAR JAM

Knowledge based company



Products:

- Internal grip hydro-test plugging tool
- External grip hydro-test plugging tool
- Large diameter hydro-test plugging tool
- Dual seal grip tight test tool
- Heat exchanger tools
- Pipe handling tools
- Purging tool for protect welding quality
- Pipe connector clamp



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➤ Introduction to hydro-test process

One of the final manufacturing process steps of pressure parts is hydro-test process. It is not only verify welding seams quality but also it is a kind of stress relieving process. In mentioned test the final product is filled with water and the internal water pressurized up to 1.5 of the product designed pressure. No leakage and pressure drop is not accepted due to ASME standard.

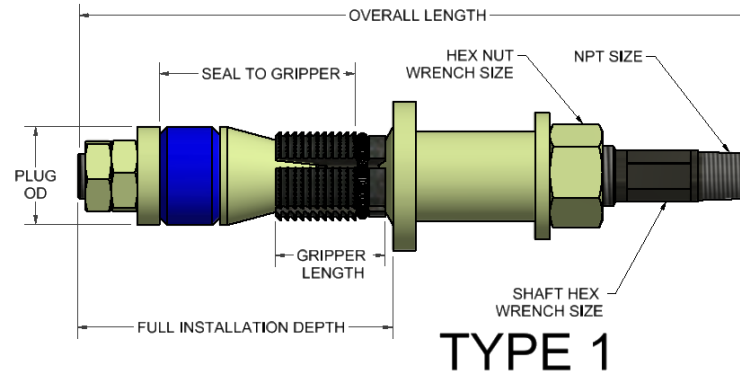
In traditional method all of nozzles, openings and doors of pressure parts are welded by a blind cap and after finishing hydro-test process, it should be cutted and welded region should be repaired. In addition to row material consumption as a blind, it is a time consuming process.

This process can be extended to pressure vessel, heat exchanger, recovery boilers, transmission pipe and tubes, well head and high pressure valves.

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Internal grip hydro-test sealing tool-TYP 1

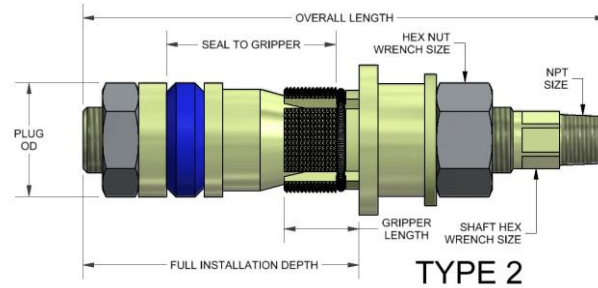


Part Number	Nominal Pipe Size	Pipe Schedule	Type	Functional I.D. Range				Plug OD		Total clearance from Min. I.D.		NPT Size	Shaft / Port I.D.		Overall Length		Seal to Gripper		Gripper Length		Full Installation Depth		Maximum Test Pressure		Shaft Hex Wrench Size	Hex Nut Wrench Size	Approximate Shipping Weight	
				(in)		(mm)		(in)	(mm)	(in)	(mm)		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(PsiG)	(BarG)	(lbs)	(kg)				
				Min.	Max.	Min.	Max.																					
GTMAX-038P40	3/8	40	1	0.48	0.52	12.2	13.2	0.46	11.7	0.02	0.5	1/8	0.11	2.8	5 - 5/16	135	1.24	31.5	0.50	13	1.50	38.0	15000	1034	3/8	3/4	1/2	1/4
GTMAX-050P10	1/2	10	1	0.63	0.69	16.0	17.5	0.60	15.2	0.03	0.8	1/8	0.11	2.8	5 - 5/16	135	1.66	42.1	0.79	20	1.79	45.4	15000	1034	3/8	3/4	1/2	1/4
GTMAX-050P40	1/2	40	1	0.57	0.63	14.5	16.0	0.54	13.7	0.03	0.8	1/8	0.11	2.8	5 - 5/16	135	1.43	36.3	0.62	16	1.62	41.2	15000	1034	3/8	3/4	1/2	1/4
GTMAX-050P80	1/2	80	1	0.52	0.57	13.2	14.5	0.49	12.4	0.03	0.8	1/8	0.11	2.8	5 - 5/16	135	1.31	33.2	0.52	13	1.52	38.6	15000	1034	3/8	3/4	1/2	1/4
GTMAX-050P160	1/2	160	1	0.48	0.52	12.2	13.2	0.46	11.7	0.03	0.8	1/8	0.11	2.8	5 - 5/16	135	1.31	33.2	0.50	13	1.52	38.6	15000	1034	3/8	3/4	1/2	1/4
GTMAX-075P10	3/4	10	1	0.85	0.93	21.6	23.6	0.82	20.8	0.03	0.8	1/8	0.13	3.2	5 - 5/8	143	1.86	47.3	0.98	25	1.98	50.2	15000	1034	3/8	3/4	1/2	1/4
GTMAX-075P40	3/4	40	1	0.77	0.85	19.6	21.6	0.74	18.8	0.03	0.8	1/8	0.13	3.2	5 - 5/8	143	1.81	46.0	0.98	25	1.98	50.2	15000	1034	3/8	3/4	1/2	1/4
GTMAX-075P80	3/4	80	1	0.69	0.77	17.5	19.6	0.66	16.8	0.03	0.8	1/8	0.11	2.8	5 - 5/16	135	1.76	44.6	0.92	23	1.92	48.7	15000	1034	3/8	3/4	1/2	1/4
GTMAX-075P160	3/4	160	1	0.57	0.63	14.5	16.0	0.54	13.7	0.03	0.8	1/8	0.11	2.8	5 - 5/16	135	1.76	44.6	0.62	23	1.92	48.7	15000	1034	3/8	3/4	1/2	1/4
GTMAX-1P5	1	5	2	1.13	1.24	28.7	31.5	1.07	27.2	0.06	1.5	1/4	0.31	7.9	6 - 5/8	168	2.07	52.6	0.93	24	3.26	82.7	15000	1034	1/2	15/16	1	1/2
GTMAX-1P10	1	10	2	1.07	1.20	27.2	30.5	1.03	26.2	0.04	1.0	1/8	0.13	3.2	6	152	1.95	49.5	0.80	20	3.00	76.2	15000	1034	3/8	3/4	3/4	1/4
GTMAX-1P40	1	40 / STD	2	1.01	1.09	25.7	27.7	0.97	24.6	0.04	1.0	1/8	0.13	3.2	6	152	2.07	52.6	0.80	20	3.13	79.4	15000	1034	3/8	3/4	3/4	1/4
GTMAX-1P80	1	80 / XS	2	0.93	1.00	23.6	25.4	0.89	22.6	0.04	1.0	1/8	0.13	3.2	6	152	2.07	52.6	0.80	20	3.13	79.4	15000	1034	3/8	3/4	3/4	1/4
GTMAX-1P160	1	160	1	0.77	0.85	19.6	21.6	0.74	18.8	0.03	0.8	1/8	0.13	3.2	5 - 5/8	143	1.81	46.0	0.98	23	1.98	50.24	15000	1034	3/8	3/4	1/2	1/4
GTMAX-1PXXS	1	XXS	1	0.57	0.63	14.5	16.0	0.54	13.7	0.03	0.8	1/8	0.11	2.8	5 - 5/16	135	1.43	36.3	0.62	23	1.62	41.22	15000	1034	3/8	3/4	1/2	1/4

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Knowledge based company

Internal grip hydro-test sealing tool-TYP 2

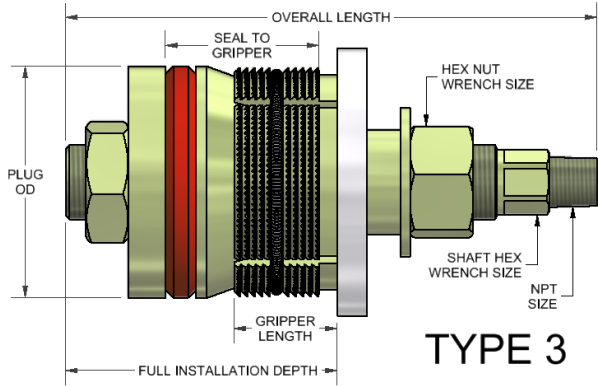


Part Number	Nominal Pipe Size	Pipe Schedule	Type	Functional I.D. Range				Plug OD		Total clearance from Min. I.D.		NPT Size	Shaft / Port I.D.		Overall Length		Seal to Gripper		Gripper Length		Full Installation Depth		Maximum Test Pressure		Shaft Hex Wrench Size	Hex Nut Wrench Size	Approximate Shipping Weight	
				(in)		(mm)		(in)	(mm)	(in)	(mm)		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(PsiG)	(BarG)	(lbs)	(kg)				
				Min.	Max.	Min.	Max.																					
GTMAX-125P5	1 1/4	5	2	1.47	- 1.61	37.3	- 40.9	1.41	35.8	0.06	1.5	3/8	0.44	11.1	7	178	1.94	49.3	1.00	25.4	3.56	90.5	15000	1034	11/16	1 - 5/16	2 - 1/4	1
GTMAX-125P10	1 1/4	10	2	1.41	- 1.49	35.8	- 37.8	1.35	34.3	0.06	1.5	3/8	0.44	11.1	7	178	1.94	49.3	1.00	25.4	3.56	90.5	15000	1034	11/16	1 - 5/16	2 - 1/4	1
GTMAX-125P40	1 1/4	40 / STD	2	1.31	- 1.43	33.3	- 36.3	1.25	31.8	0.06	1.5	1/4	0.31	8.0	6 - 5/8	168	2.06	52.4	0.93	23.6	3.19	81.0	15000	1034	1/2	15/16	1 1/4	1/2
GTMAX-125P80	1 1/4	80 / XS	2	1.25	- 1.33	31.8	- 33.8	1.19	30.2	0.06	1.5	1/4	0.31	8.0	6 - 5/8	168	2.00	50.8	0.93	23.6	3.13	79.4	15000	1034	1/2	15/16	1 1/4	1/2
GTMAX-125P160	1 1/4	160	2	1.13	- 1.24	28.7	- 31.5	1.07	27.2	0.06	1.5	1/4	0.31	8.0	6 - 5/8	168	2.06	52.4	0.93	23.6	3.19	81.0	15000	1034	1/2	15/16	1	1/2
GTMAX-15P5	1 1/2	5	2	1.74	- 1.91	44.2	- 48.5	1.68	42.7	0.06	1.5	3/8	0.44	11.1	7	178	1.94	49.3	1.00	25.4	3.56	90.5	15000	1034	11/16	1 - 5/16	2 - 1/2	1 1/4
GTMAX-15P10	1 1/2	10	2	1.66	- 1.77	42.2	- 45.0	1.60	40.6	0.06	1.5	3/8	0.44	11.1	7	178	1.94	49.3	1.00	25.4	3.56	90.5	15000	1034	11/16	1 - 5/16	2 - 1/2	1 1/4
GTMAX-15P40	1 1/2	40 / STD	2	1.58	- 1.66	40.1	- 42.2	1.52	38.6	0.06	1.5	3/8	0.44	11.1	7	178	1.88	47.7	1.00	25.4	3.44	87.3	15000	1034	11/16	1 - 5/16	2 - 1/4	1
GTMAX-15P80	1 1/2	80	2	1.47	- 1.61	37.3	- 40.9	1.41	35.8	0.06	1.5	3/8	0.44	11.1	7	178	1.82	46.1	1.00	25.4	3.44	87.3	15000	1034	11/16	1 - 5/16	2 - 1/4	1
GTMAX-15P160	1 1/2	160	2	1.31	- 1.43	33.3	- 36.3	1.25	31.8	0.06	1.5	1/4	0.31	8.0	6 - 5/8	168	2.00	50.8	0.93	23.6	3.13	79.4	15000	1034	1/2	15/16	1 1/4	1/2
GTMAX-15PXXS	1 1/2	XXS	2	1.07	- 1.20	27.2	- 30.5	1.03	26.2	0.04	1.0	1/8	0.12	3.1	6	152	2.00	50.8	0.80	20.3	3.00	76.1	15000	1034	3/8	3/4	3/4	1/4
GTMAX-2P5	2	5	2	2.22	- 2.30	56.4	- 58.4	2.12	53.8	0.10	2.5	3/8	0.44	11.1	7	178	1.88	47.7	1.02	25.9	3.46	87.8	12000	827	11/16	1 - 5/16	3 - 1/2	1 1/2
GTMAX-2P10	2	10	2	2.10	- 2.22	53.3	- 56.4	2.00	50.8	0.10	2.5	3/8	0.44	11.1	7	178	1.94	49.3	1.02	25.9	3.52	89.4	12000	827	11/16	1 - 5/16	3 - 1/2	1 1/2
GTMAX-2P40	2	40 / STD	2	2.04	- 2.12	51.8	- 53.8	1.94	49.3	0.10	2.5	3/8	0.44	11.1	7	178	2.10	53.2	1.02	25.9	3.44	87.3	12000	827	11/16	1 - 5/16	2 - 3/4	1 1/4
GTMAX-198T			2	1.98	- 2.06	50.3	- 52.3	1.88	47.8	0.10	2.5	3/8	0.44	11.1	7	178	1.94	49.3	1.02	25.9	3.52	89.4	12000	827	11/16	1 - 5/16	3	1 1/4
GTMAX-2P80	2	80 / XS	2	1.91	- 1.99	48.5	- 50.5	1.81	46.0	0.10	2.5	3/8	0.44	11.1	7	178	2.10	53.2	1.02	25.9	3.44	87.3	12000	827	11/16	1 - 5/16	2 - 1/2	1 1/4
GTMAX-2P160	2	160	2	1.66	- 1.77	42.2	- 45.0	1.60	40.6	0.06	1.5	3/8	0.44	11.1	7	178	2.10	53.2	1.00	25.4	3.42	86.8	15000	1034	11/16	1 - 5/16	2 - 1/2	1 1/4
GTMAX-2PXXS	2	XXS	2	1.47	- 1.61	37.3	- 40.9	1.41	35.8	0.06	1.5	3/8	0.44	11.1	7	178	2.14	54.4	1.00	25.4	3.47	88.1	15000	1034	11/16	1 - 5/16	2 - 1/4	1

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Knowledge based company

Internal grip hydro-test sealing tool-TYP 3

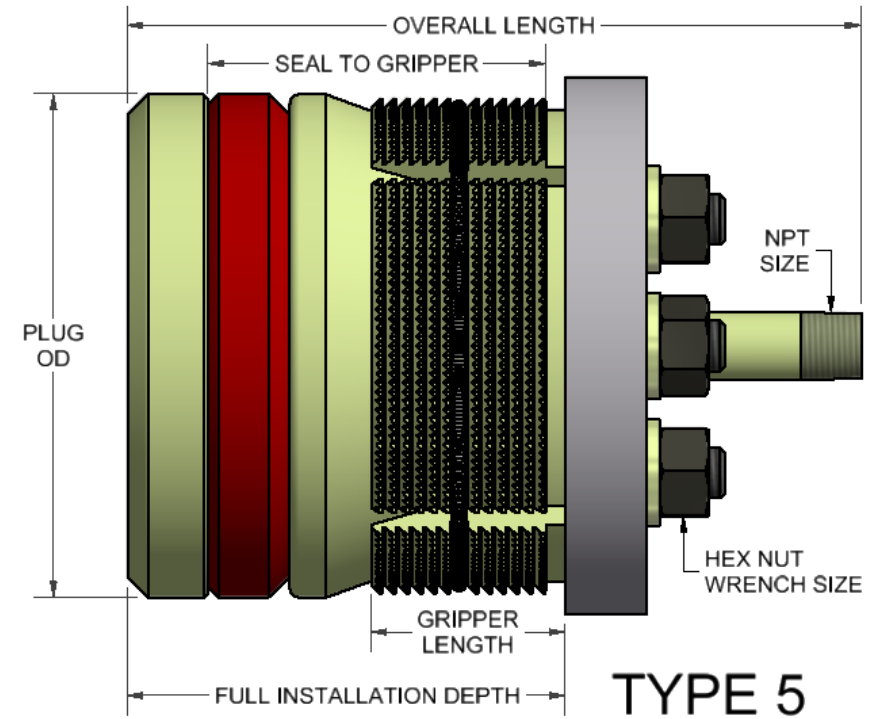
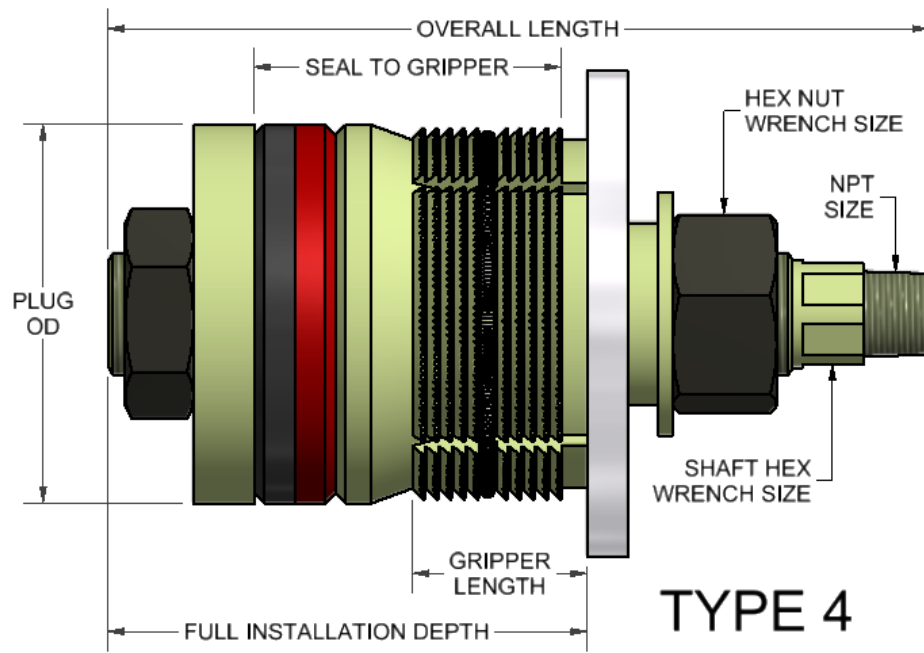


Part Number	Nominal Pipe Size	Pipe Schedule	Type	Functional I.D. Range				Plug OD		Total clearance from Min. I.D.		NPT Size	Shaft / Port I.D.		Overall Length		Seal to Gripper		Gripper Length		Functional Depth		Maximum Test Pressure		Shaft Hex Wrench Size	Hex Nut Wrench Size	Approximate Shipping Weight	
				(in)		(mm)		(in)	(mm)	(in)	(mm)		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(PsiG)	(BarG)	(in)	(in)			(lbs)	(kg)
				Min.	Max.	Min.	Max.																					
GTMAX-25P5	2 1/2	5	3	2.68	2.78	68.1	70.6	2.58	65.5	0.10	2.5	1/2	9/16	14.3	9	227	2.00	50.8	1.17	29.7	3.00	76.2	12000	827	1	1-7/8	7	3 1/4
GTMAX-25P10	2 1/2	10	3	2.60	2.74	66.0	69.6	2.50	63.5	0.10	2.5	1/2	9/16	14.3	9	227	1.98	50.4	1.35	34.3	3.18	80.8	12000	827	1	1-7/8	6-3/4	3
GTMAX-253T			3	2.53	2.63	64.3	66.8	2.43	61.7	0.10	2.5	1/2	9/16	14.3	9	227	2.00	50.8	1.17	29.7	3.06	77.8	12000	827	1	1-7/8	6	2 3/4
GTMAX-25P40	2 1/2	40/STD	3	2.44	2.54	62.0	64.5	2.34	59.4	0.10	2.5	1/2	9/16	14.3	9	227	2.00	50.8	1.17	29.7	3.06	77.8	12000	827	1	1-7/8	6	2 3/4
GTMAX-25P80	2 1/2	80/XS	2	2.27	2.45	57.7	62.2	2.17	55.1	0.10	2.5	3/8	7/16	11.1	7	178	2.10	53.2	1.02	25.9	2.81	71.4	12000	827	11/16	1-5/16	3-1/2	11/2
GTMAX-25P160	2 1/2	160	2	2.10	2.22	53.3	56.4	2.00	50.8	0.10	2.5	3/8	7/16	11.1	7	178	2.14	54.4	1.02	25.9	2.87	72.8	12000	827	11/16	1-5/16	3-1/2	11/2
GTMAX-25PXXS	2 1/2	XXS	2	1.74	1.91	44.2	48.5	1.68	42.7	0.06	1.5	3/8	7/16	11.1	7	178	2.21	56.2	1.00	25.4	2.85	72.3	15000	1034	11/16	1-5/16	2-1/2	11/4
GTMAX-3P5	3	5	3	3.30	3.41	83.8	86.6	3.20	81.3	0.10	2.5	1/2	9/16	14.3	9	227	1.92	48.8	1.57	39.9	3.40	86.4	12000	827	1	1-7/8	8-1/2	3 3/4
GTMAX-3P10	3	10	3	3.23	3.34	82.0	84.8	3.13	79.5	0.10	2.5	1/2	9/16	14.3	9	227	2.51	63.6	1.57	39.9	3.56	90.4	12000	827	1	1-7/8	8-1/4	3 3/4
GTMAX-3P40	3	40/STD	3	3.04	3.14	77.2	79.8	2.94	74.7	0.10	2.5	1/2	9/16	14.3	9	227	2.33	59.1	1.36	34.5	3.19	81.0	12000	827	1	1-7/8	8	3 1/2
GTMAX-296T			3	2.96	3.07	75.2	78.0	2.86	72.6	0.10	2.5	1/2	9/16	14.3	9	227	2.33	59.1	1.36	34.5	3.19	81.0	12000	827	1	1-7/8	7-1/2	3 1/2
GTMAX-3P80	3	80/XS	3	2.87	2.98	72.9	75.7	2.77	70.4	0.10	2.5	1/2	9/16	14.3	9	227	2.66	67.4	1.36	34.5	3.37	85.7	12000	827	1	1-7/8	7-1/2	3 1/2
GTMAX-3P160	3	160	3	2.60	2.74	66.0	69.6	2.50	63.5	0.10	2.5	1/2	9/16	14.3	9	227	2.32	58.9	1.35	34.3	3.18	80.7	12000	827	1	1-7/8	6-3/4	3
GTMAX-3PXXS	3	XXS	2	2.27	2.45	57.7	62.2	2.17	55.1	0.10	2.5	3/8	7/16	11.1	7	178	2.21	56.2	1.02	25.9	2.87	72.8	12000	827	11/16	1-5/16	4	13/4
GTMAX-35P5	3 1/2	5	3	3.80	3.91	96.5	99.3	3.70	94.0	0.10	2.5	1/2	9/16	14.3	9	227	2.59	65.8	1.74	44.2	3.63	92.1	10000	689	1	1-7/8	11-1/4	5
GTMAX-35P10	3 1/2	10	3	3.73	3.84	94.7	97.5	3.63	92.2	0.10	2.5	1/2	9/16	14.3	9	227	2.41	61.3	1.62	41.1	3.43	87.2	10000	689	1	1-7/8	10-1/2	5
GTMAX-35P40	3 1/2	40/STD	3	3.52	3.63	89.4	92.2	3.42	86.9	0.10	2.5	1/2	9/16	14.3	9	227	2.38	60.4	1.62	41.1	3.45	87.6	10000	689	1	1-7/8	9-1/2	4 1/4
GTMAX-35P80	3 1/2	80/XS	3	3.33	3.44	84.6	87.4	3.23	82.0	0.10	2.5	1/2	9/16	14.3	9	227	2.38	60.4	1.66	42.2	3.49	88.6	10000	689	1	1-7/8	8-3/4	4
GTMAX-35PXXS	3 1/2	XXS	3	2.70	2.89	68.6	73.4	2.60	66.0	0.10	2.5	1/2	9/16	14.3	9	227	2.39	60.8	1.46	37.1	3.27	83.1	10000	689	1	1-7/8	7-1/2	3 1/2

OXIN FIDAR JAM

Knowledge based company

Internal grip hydro-test sealing tool-TYP 4 - 5



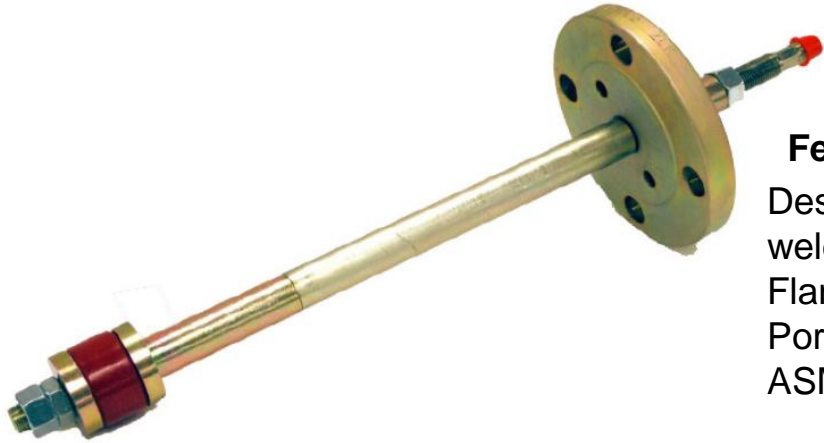
OXIN FIDAR JAM

Knowledge based company

Flange Weld Test Plug



Purge, weld, and test flange connections with the same plug



Features

Designed to function in four distinct ways: as a purge dam, weld fixture, test plug, and a weld isolation plug

Flange-to-pipe welds are tested without needing to pressurize the entire system

Ported center shaft allows for upstream monitoring

ASME PCC-2 Type III testing device¹

Test Pressure

150# 450 PsiG (31.0 BarG)

300# 1125 PsiG (77.6 BarG)

600# 2250 PsiG (155.1 BarG)

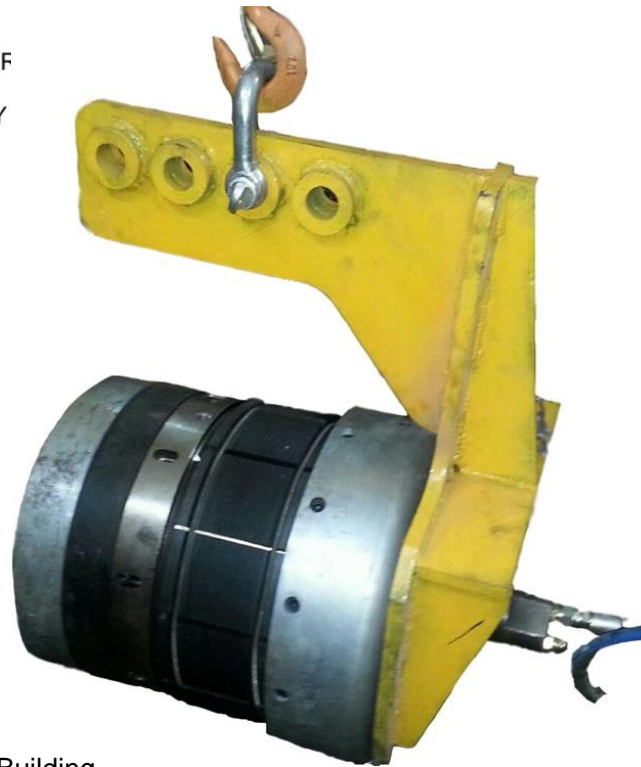
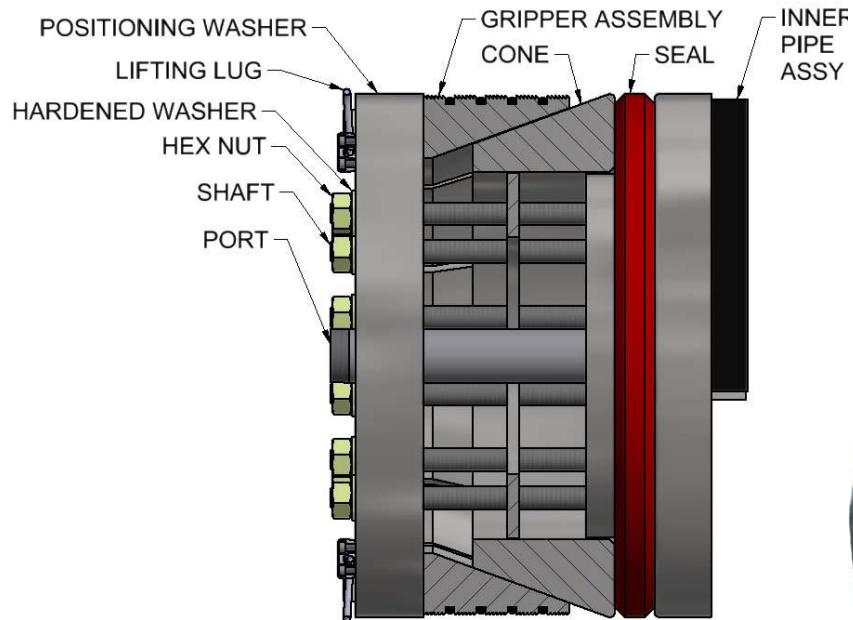
Size Range :

3/8" to 48" NPS (DN10 to DN1200) Custom sizes available upon request

OXIN FIDAR JAM

Knowledge based company

Heavy duty hydraulic and Manual tool with seal and gripper



Due to the fact that the larger the pipe the more sufficient force for expanding elastomer will be needed, so for larger than 8 inch the torque process is replaced by hydraulic system. The application range is as follows:

- Oil and gas transmission lines
- Offshore and subsea pipes
- Power Plant equipment test

Because of tool heavy weight, a mobile small crane is used for transportation and installation. Tool can be designed and manufacture due to customer demands. No hydraulic circuit is needed and system is working with simple hand pump.

Range Size:8''- 36'' (Up to 500bar)

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