

GripTight™ High Pressure Test Plugs

(Now In Sizes to 42")



- GripTight™ Test Plugs*
- Auto GripTight™ Test Plugs*
- High Lift Flange Test Plugs*
- Hydrostatic Test Pumps*
- OD GripTight™ Test Plugs*
- Bolt Type Test Plugs*

The Safe Way To Test High Pressure Pipe and Tube



High pressure pipe testing is safer than ever before, thanks to EST's GripTight™ High Pressure Test Plug. Unlike other plugs that can loosen and eject under high pressure - even becoming dangerous projectiles - the GripTight™ actually uses high pressure to seal more securely against the pipe's inner diameter. The result is safer installation, safer testing, and better sealing. Here's what EST's GripTight™ plugs have to offer:

Use to test open-end pipe and tube

Safe: Pressure on plug squeezes grippers tighter; plug can not be ejected under pressure when properly installed.

High Pressure Performance: Have been used for pipe burst tests in a manufacturing environment. Tests at higher pressure with greater safety, typically to 80% of yield.

Eliminates weld caps: No welding or cutting required. Speeds fabrication testing, reducing test times up to 80%.

Engineered Seal Design: Reduces seal wear for long lasting performance.

Positioning Washer: Prevents plug loss in pipe end.

Retaining Spring: Ensures retraction of gripper segments. Superior to O-ring design.

Easy to Maintain: Replacement seals and grippers readily available and easy to replace.

Super Stock: 1/2" to 12" in Sch 40 and 80 (DN25 to DN200) sizes are usually in stock for same or next day shipment.

Optional Seals: Viton®, Silicone, EPDM

Quality Assurance System: Meets requirements of ANSI N45.2, 10CFR50 Appendix B, 10CFR21, and is certified to ISO-9001.

Use GripTight™ High Pressure Test Plug in these and other applications:



Refineries



Chemical Plants



Welding



Shipbuilding

Viton® is a registered trademark of DuPont Dow Elastomers.



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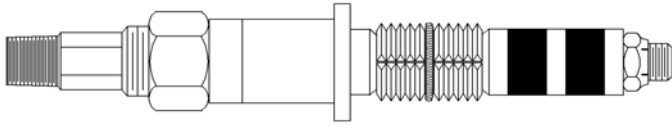
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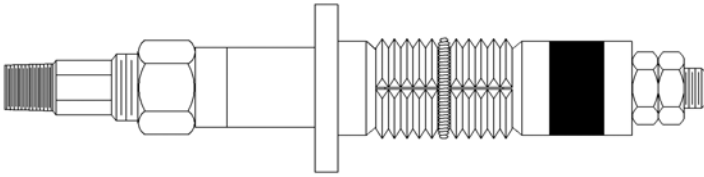
SPECIALISTS IN TUBE TESTING, SLEEVING AND PLUGGING TECHNOLOGY

AN ISO-9001 REGISTERED COMPANY

Technical Specifications: SQ2 Sizes 1/2" to 1"



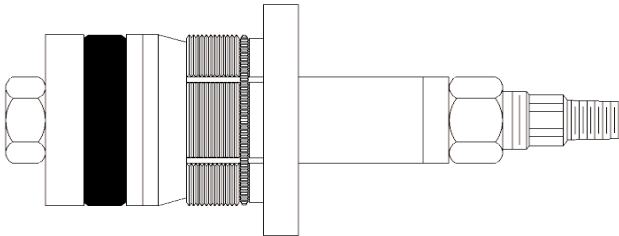
SQ2-0047 to SQ2-0060



SQ2-0062 to SQ2-0090

Part Nbr	I.D. Size Range	Max Test Pressure
SQ2-0047	.47-.50 in. (11.9-12.7 mm)	6500 psi (446 bar)
SQ2-0050	.50-.53 in. (12.7-13.5 mm)	6500 psi (446 bar)
SQ2-0053	.53-.56 in. (13.5-14.2 mm)	6500 psi (446 bar)
SQ2-0056	.56-.60 in. (14.2-15.2 mm)	6500 psi (446 bar)
SQ2-0060	.60-.62 in. (15.2-15.7 mm)	6500 psi (446 bar)
SQ2-0062	.62-.65 in. (15.7-16.5 mm)	6500 psi (446 bar)
SQ2-0065	.65-.68 in. (16.5-17.3 mm)	6500 psi (446 bar)
SQ2-0068	.68-.72 in. (17.3-18.3 mm)	6500 psi (446 bar)
SQ2-0072	.72-.75 in. (18.3-19.1 mm)	6500 psi (446 bar)
SQ2-0075	.75-.78 in. (19.1-19.8 mm)	6500 psi (446 bar)
SQ2-0078	.78-.81 in. (19.8-20.6 mm)	6500 psi (446 bar)
SQ2-0081	.81-.83 in. (20.6-21.1 mm)	6500 psi (446 bar)
SQ2-0083	.83-.87 in. (21.1-22.1 mm)	6500 psi (446 bar)
SQ2-0087	.87-.90 in. (22.1-22.9 mm)	6500 psi (446 bar)
SQ2-0090	.90-.93 in. (22.9-23.6 mm)	6500 psi (446 bar)

Technical Specifications: Standard Sizes 1" to 6"



Part Nbr	I.D. Size Range	Max. Test Pressure (1) (2)	Part Nbr	I.D. Size Range	Max. Test Pressure (1) (2)	Part Nbr	I.D. Size Range	Max. Test Pressure (1) (2)
GT-1P80	0.93-1.00 in. (23.6-25.4 mm)	8600 psi (590 bar)	GT-125P5	1.47-1.61 in. (37.3-40.9 mm)	2300 psi (160 bar)	GT-2P40	2.04-2.12 in. (51.8-54.1 mm)	3900 psi (270 bar)
GT-1P40	1.01-1.09 in. (25.7-27.7 mm)	6200 psi (430 bar)	GT-15P80	1.47-1.61 in. (37.3-40.9 mm)	6500 psi (450 bar)	GT-2P10	2.10-2.22 in. (53.3-56.4 mm)	2700 psi (190 bar)
GT-15PXXS	1.07-1.20 in. (27.2-30.5 mm)	13900 psi (960 bar)	GT-2PXXS	1.47-1.61 in. (37.3-40.9 mm)	12000 psi (830 bar)	GT-25P160	2.10-2.22 in. (53.3-56.4 mm)	8200 psi (570 bar)
GT-1P10	1.07-1.20 in. (27.2-30.5 mm)	5000 psi (350 bar)	GT-15P40	1.58-1.66 in. (40.1-42.2 mm)	4600 psi (320 bar)	GT-2P5	2.22-2.30 in. (56.4-58.4 mm)	1600 psi (110 bar)
GT-125P160	1.13-1.24 in. (28.7-31.5 mm)	9600 psi (660 bar)	GT-15P10	1.66-1.77 in. (42.2-45.0 mm)	3400 psi (240 bar)	GT-25P80	2.27-2.45 in. (57.6-62.2 mm)	5900 psi (410 bar)
GT-1P5	1.13-1.24 in. (28.7-31.5 mm)	2900 psi (200 bar)	GT-2P160	1.66-1.77 in. (42.2-45.0 mm)	9200 psi (640 bar)	GT-3PXXS	2.27-2.45 in. (57.6-62.2 mm)	11100 psi (770 bar)
GT-125P80	1.25-1.33 in. (31.8-33.8 mm)	7200 psi (500 bar)	GT-15P5	1.74-1.91 in. (44.2-48.5 mm)	2000 psi (140 bar)	GT-25P40	2.44-2.54 in. (62.0-64.5 mm)	4200 psi (290 bar)
GT-125P40	1.31-1.43 in. (33.3-36.3 mm)	5100 psi (350 bar)	GT-25PXXS	1.74-1.91 in. (44.2-48.5 mm)	12600 psi (870 bar)	GT-253T	2.53-2.63 in. (64.3-66.8 mm)	(1) (2) (1) (2)
GT-15P160	1.31-1.43 in. (33.3-36.3 mm)	9400 psi (650 bar)	GT-2P80	1.91-1.99 in. (48.5-50.5 mm)	5600 psi (390 bar)	GT-25P10	2.60-2.74 in. (66.0-69.6 mm)	2400 psi (170 bar)
GT-125P10	1.41-1.49 in. (35.8-37.8 mm)	3900 psi (270 bar)	GT-198T	1.98-2.06 in. (50.3-52.3 mm)	(1) (2) (1) (2)	GT-3P160	2.60-2.74 in. (66.0-69.6 mm)	7800 psi (540 bar)

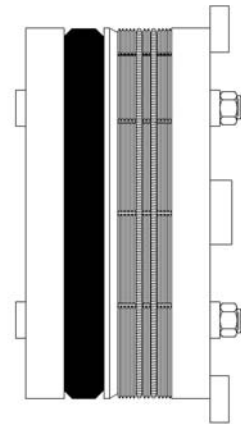
Part Nbr	I.D. Size Range	Max. Test Pressure (1) (2)	Part Nbr	I.D. Size Range	Max. Test Pressure (1) (2)	Part Nbr	I.D. Size Range	Max. Test Pressure (1) (2)
GT-25P5	2.68-2.78 in. (68.1-70.6 mm)	1600 psi (110 bar)	GT-4P80	3.80-3.91 in. (96.5-99.3 mm)	4500 psi (310 bar)	GT-6P160	5.16-5.37 in. (131.1-136.4 mm)	6700 psi (460 bar)
GT-35PXXS	2.70-2.89 in. (68.6-73.4 mm)	10200 psi (700 bar)	GT-390T	3.90-4.01 in. (99.1-101.9 mm)	(1) (2)	GT-5P10	5.27-5.39 in. (133.9-136.9 mm)	1400 psi (100 bar)
GT-3P80	2.87-2.98 in. (72.9-75.7 mm)	5200 psi (360 bar)	GT-4P40	4.00-4.11 in. (101.6-104.4 mm)	3100 psi (210 bar)	GT-5P5	5.32-5.44 in. (135.1-140.0 mm)	1100 psi (80 bar)
GT-296T	2.96-3.07 in. (75.2-78.0 mm)	(1) (2)	GT-5PXXS	4.03-4.25 in. (102.4-108.0 mm)	8500 psi (590 bar)	GT-534T	5.34-5.51 in. (135.6-140.0 mm)	(1) (2)
GT-3P40	3.04-3.14 in. (77.2-79.8 mm)	3700 psi (260 bar)	GT-4P10	4.23-4.34 in. (107.4-110.2 mm)	1500 psi (100 bar)	GT-6P120	5.47-5.64 in. (138.9-143.3 mm)	5100 psi (350 bar)
GT-4PXXS	3.12-3.32 in. (79.2-84.3 mm)	9500 psi (660 bar)	GT-4P5	4.28-4.47 in. (108.7-113.5 mm)	1100 psi (80 bar)	GT-562T	5.62-5.76 in. (142.7-146.3 mm)	(1) (2)
GT-3P10	3.23-3.34 in. (82.0-84.8 mm)	2000 psi (140 bar)	GT-5P160	4.28-4.47 in. (108.7-113.5 mm)	7000 psi (480 bar)	GT-6P80	5.73-5.87 in. (145.5-149.1 mm)	3900 psi (270 bar)
GT-3P5	3.30-3.41 in. (83.8-86.6 mm)	1400 psi (100 bar)	GT-442T	4.42-4.85 in. (112.3-116.3 mm)	(1) (2)	GT-588T	5.88-6.03 in. (149.4-153.2 mm)	(1) (2)
GT-35P80	3.33-3.44 in. (84.6-87.4 mm)	4800 psi (330 bar)	GT-5P120	4.53-4.69 in. (115.1-119.1 mm)	5500 psi (380 bar)	GT-6P40	6.04-6.17 in. (153.4-156.7 mm)	2500 psi (170 bar)
GT-4P160	3.41-3.57 in. (86.6-90.7 mm)	7400 psi (510 bar)	GT-466T	4.66-4.82 in. (118.4-122.4 mm)	(1) (2)	GT-618T	6.18-6.32 in. (157.0-160.5 mm)	(1) (2)
GT-35P40	3.52-3.63 in. (89.4-92.2 mm)	3300 psi (230 bar)	GT-5P80	4.78-4.91 in. (121.4-124.7 mm)	4000 psi (280 bar)	GT-6P10	6.33-6.47 in. (160.8-164.3 mm)	1200 psi (80 bar)
GT-4P120	3.60-3.74 in. (91.4-95.0 mm)	6000 psi (410 bar)	GT-6PXXS	4.87-5.11 in. (123.7-129.8 mm)	8200 psi (570 bar)	GT-6P5	6.38-6.52 in. (162.1-165.6 mm)	940 psi (70 bar)
GT-35P10	3.73-3.84 in. (94.7-97.5 mm)	1700 psi (120 bar)	GT-5P40	5.02-5.14 in. (127.5-130.6 mm)	2700 psi (190 bar)	GT-653T	6.53-6.67 in. (165.9-169.4 mm)	(1) (2)
GT-35P5	3.80-3.91 in. (96.5-99.3 mm)	1400 psi (80 bar)	GT-514T	5.14-5.26 in. (130.6-133.6 mm)	(1) (2)	GT-668T	6.68-6.82 in. (169.7-173.2 mm)	(1) (2)

Technical Specifications: 8" and Larger

Part Nbr	I.D. Size Range	Max. Test Pressure (1) (2)
GT-8P160	6.78-7.04 in. (172.2-178.8 mm)	6400 psi (440 bar)
GT-8PXXS	6.85-7.09 in. (174.0-180.1 mm)	6200 psi (430 bar)
GT-8P140	6.97-7.20 in. (177.0-182.9 mm)	5700 psi (390 bar)
GT-8P120	7.16-7.37 in. (181.9-187.2 mm)	5100 psi (350 bar)
GT-730T	7.30-7.48 in. (185.4-190.0 mm)	(1) (2)
GT-8P100	7.41-7.59 in. (188.2-192.8 mm)	4100 psi (280 bar)
GT-8P80	7.60-7.75 in. (193.0-196.9 mm)	3400 psi (240 bar)
GT-769T	7.69-7.84 in. (195.3-199.1 mm)	(1) (2)
GT-8P60	7.78-7.93 in. (197.6-201.4 mm)	2800 psi (190 bar)
GT-787T	7.87-8.02 in. (199.9-203.7 mm)	(1) (2)
GT-8P40	7.95-8.10 in. (201.9-205.7 mm)	2200 psi (150 bar)
GT-8P30	8.04-8.19 in. (204.2-208.0 mm)	1900 psi (130 bar)
GT-8P20	8.10-8.25 in. (205.7-209.6 mm)	1700 psi (120 bar)
GT-820T	8.20-8.35 in. (208.3-212.2 mm)	(1) (2)
GT-8P10	8.30-8.45 in. (210.8-214.6 mm)	980 psi (70 bar)
GT-8P5	8.38-8.53 in. (212.9-216.7 mm)	720 psi (50 bar)

Consult factory for additional information

Sizes to 42" available; consult factory for prices & ratings.



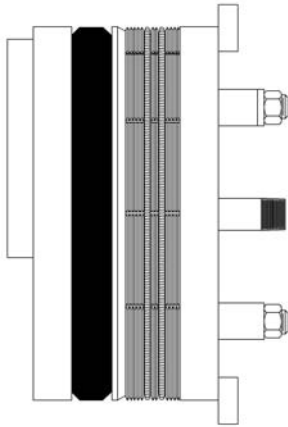
Notes:

(1) NEVER use a test pressure greater than the weakest component in the system can handle. Test Pressure specified in table is equivalent to 80% of the pressure that will yield ASTM A106 Grade B pipe. The test pressure for higher and lower strength pipes will differ proportionally. The maximum Test Pressure for Higher Strength Pipe must never exceed the highest test pressure listed for that pipe O.D.
 (2) Sizes that do not have a test pressure listed differ from standard pipe sizes. These plug sizes are normally used to test tubing. For use of these GripTight™ sizes in tubing with a minimum yield strength of 35ksi, the maximum test pressure is estimated by the

test pressure listed for the equivalent or next larger pipe O.D. with the equivalent or next thinner wall thickness. The test pressure for higher and lower strength tubes will differ proportionally. The maximum test pressure for higher strength tubes must never exceed the highest test pressure listed for the equivalent or next larger pipe size. NEVER use a test pressure greater than the weakest component in the system can safely handle.

(3) Specifications subject to change without notice.

Technical Specifications: 10" and Larger



Note: Other sizes, up to 42", schedules, and/or pressure ratings are available. Please consult factory for a specific quotation.

Part Nbr	I.D. Size Range	Max. Test Pressure (1) (2)	Part Nbr	I.D. Size Range	Max. Test Pressure (1) (2)
GT-10P40	9.99-10.21 in. (253.7-259.3 mm)	1966 psi (136 bar)	GT-18PXS	16.97-17.22 in. (431.0-437.4 mm)	1599 psi (110 bar)
GT-10PXS	9.72-9.97 in. (246.9-253.2 mm)	2725 psi (187 bar)	GT-18P40	16.84-17.11 in. (427.7-434.6 mm)	1803 psi (123 bar)
GT-10P80	9.53-9.80 in. (242.1-248.9 mm)	3264 psi (225 bar)	GT-18P80	16.09-16.45 in. (408.7-417.8 mm)	3069 in (211 bar)
GT-12P40	11.91-12.19 in. (302.5-309.6 mm)	1840 psi (127 bar)	GT-20PSTD	19.22-19.47 in. (488.2-494.5 mm)	1070 psi (74 bar)
GT-12PXS	11.72-11.97 in. (297.7-304.0 mm)	2282 psi (157 bar)	GT-20PXS	18.97-19.25 in. (481.8-489.0 mm)	1435 psi (99 bar)
GT-12P80	11.34-11.64 in. (288.0-295.7 mm)	3184 psi (220 bar)	GT-20P40	18.78-19.09 in. (477.0-484.9 mm)	1713 psi (118 bar)
GT-14PSTD	13.22-13.44 in. (335.8-341.4 mm)	1540 psi (106 bar)	GT-20P80	17.91-18.32 in. (454.9-465.3 mm)	3035 psi (209 bar)
GT-14P40	13.09-13.33 in. (332.5-338.6 mm)	1807 psi (124 bar)	GT-22PSTD	21.22-21.47 in. (539.0-545.3 mm)	971 psi (67 bar)
GT-14PXS	12.97-13.22 in. (329.4-335.8 mm)	2071 psi (143 bar)	GT-22PXS	20.97-21.25 in. (532.6-539.8 mm)	1302 psi (90 bar)
GT-14P80	12.47-12.78 in. (316.7-324.6 mm)	3160 psi 219 bar	GT-22P80	19.72-20.16 in. (500.9-512.1 mm)	3009 psi (207 bar)
GT-16PSTD	15.22-15.44 in. (386.6-392.2 mm)	1343 psi (93 bar)	GT-24PSTD	23.22-23.47 in. (589.8-596.1 mm)	889 psi (61 bar)
GT-16P40	14.97-15.22 in. (380.2-386.6 mm)	1805 psi (124 bar)	GT-24PXS	22.97-23.25 in. (583.4-590.6 mm)	1191 psi (82 bar)
GT-16P80	14.28-14.62 in. (362.7-371.3 mm)	3109 psi (214 bar)	GT-24P40	22.59-22.92 in. (573.8-582.2 mm)	1651 psi (113 bar)
GT-18PSTD	17.22-17.44 in. (437.4-443.0 mm)	1191 psi (82 bar)	GT-24P80	21.53-21.99 in. (546.9-558.5 mm)	2985 psi (205 bar)



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