

Pop-A-Plug® Boiler Tube Plugs



Boiler Tube Plugs

Perma Plugs™

P2 High Pressure Plugs

Ram Packages

Plug Removal Tools

Hydro Joint Tester

***Make Boiler Repairs
Faster & Easier.
Reduce Downtime,
Eliminate Welding,
Save Money.***

Reliably plug boiler tubes without welding or time consuming pre-heating and post-weld inspection.

Expansion Seal Technologies' Pop-A-Plug® Boiler Plugs are made for fast, easy installation. Just position the plug in place and set with an easy to use hydraulic tool. The unique breakaway controls installation force to ensure a positive seal. You get a reliable, leak-tight seal in just minutes. Repairs go faster, and expensive downtime is substantially reduced. No welding also means no waiting for inspections.



- *Installs in minutes; no welding required.*
- *Rated to 1,000 psi @ 1000°F. (Higher pressures and temperatures available. Consult factory.)*
- *All metal construction: CrMo, other alloys available. (Consult factory.)*
- *Use in either water or fire tube boilers.*
- *Ideal for HRSG's, too.*
- *Available in kits of six plugs.*
- *Helium leaktight to 1×10^{11} cc/sec.*



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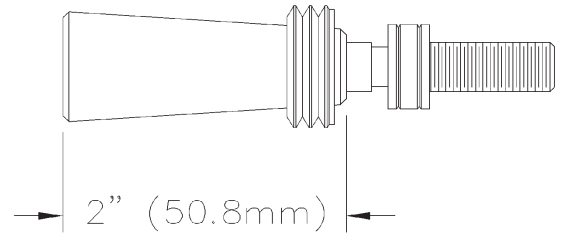
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SPECIALISTS IN TUBE TESTING, SLEEVING AND PLUGGING TECHNOLOGY

AN ISO-9001 REGISTERED COMPANY

Expansion Seal Technologies' Boiler plug is a member of EST's proven Pop-A-Plug® System of heat exchangers and condenser tube plugs and plugging equipment. Pop-A-Plugs® are available for tube sizes from .400" (10.16mm) ID and up, in materials including chrome-moly (CrMo), brass, carbon steel, stainless steel, copper nickel, inconel, and titanium. Other alloys are also available.



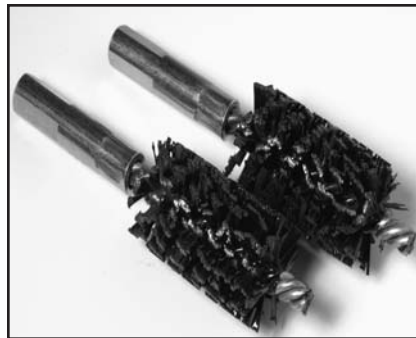
EST's Boiler plug is sized for 2" (50.8mm) OD Boiler Tubes

Wall Thickness		Nom. Tube ID		Plug Kit Part Nbr ¹	Installed Tube ID Range		Ram Package	Pull Rod Assembly	Brush Kit	Go/No-Go Gage
in	mm	in	mm		in	mm				
0.181	4.60	1.638	41.61	BTPK-1578-A ²	1.579-1.701	40.11-43.21	PAP-1750	PA-1578L	BSH-1578-NY	GA-1578
0.165	4.19	1.670	42.42	BTPK-1578-A ²	1.579-1.701	40.11-43.21	PAP-1750	PA-1578L	BSH-1578-NY	GA-1578
0.150	3.81	1.700	43.18	BTPK-1700-A ²	1.701-1.823	43.22-46.30	PAP-1750	PA-1700L	BSHV-1700-NY	GAV-1700
0.135	3.43	1.730	43.94	BTPK-1700-A ²	1.701-1.823	43.22-46.30	PAP-1750	PA-1700L	BSHV-1700-NY	GAV-1700
0.105	2.67	1.790	45.47	BTPK-1700-A ²	1.701-1.823	43.22-46.30	PAP-1750	PA-1700L	BSHV-1700-NY	GAV-1700
0.095	2.41	1.810	45.97	BTPK-1700-A ²	1.701-1.823	43.22-46.30	PAP-1750	PA-1700L	BSHV-1700-NY	GAV-1700

The Boiler Plugs install using the PAP-1750 Large Ram Package and a Pull Rod Assembly.



Large Ram Package: Installs Plugs for 1.335" (33.91 mm) ID and larger.



Brush Kit: Consists of EST's nylon coated prep brushes to cover the installation range of each plug size. The nylon coating keeps the bristles stiff and ensures proper preparation of the tube surface. Individual brushes are also available.

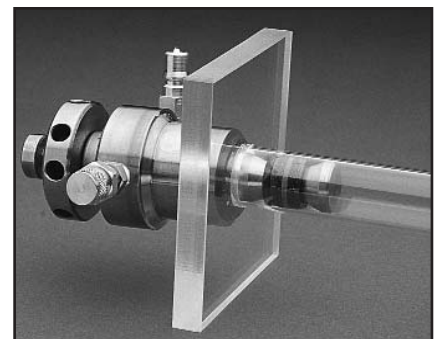


Optional Go/No-Go Gage: Available covering the entire plug installation range.

Notes:

1. Boiler Plugs are available in a kit of 6 plugs. Consult factory for prices on individual components. A large ram and a pull rod are also required for installation.

2. Standard material is chrome-moly (CrMo) steel. Other materials are available. Consult factory.



Optional Hydro Joint Tester 2500: Easy to use joint tester for flat tube-to-tubesheet joints and concave boiler tube to drum connections. Maximum test pressure 2500 psi. Roll one tube into a drum and use the HJT2500 to test the roll quality before rolling additional tubes.

Don't have the time or the people to install it yourself?
Let EST's Service Team handle it for you!