



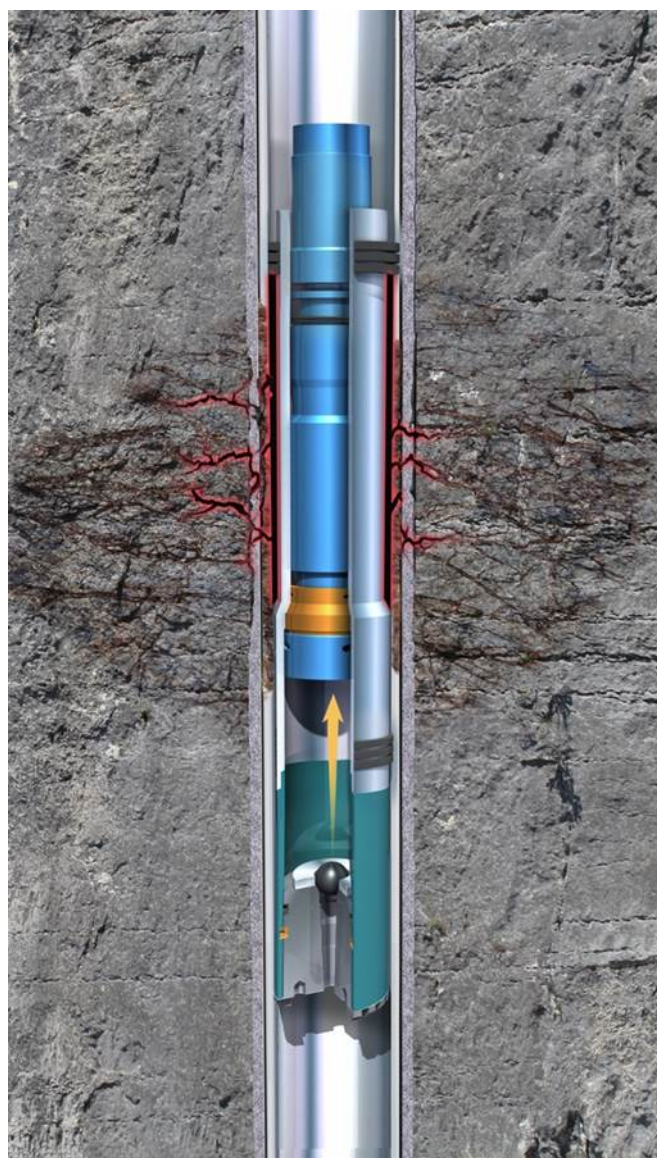
Enventure's single-joint, solid steel, expandable casing patch is the first choice for operators who need a permanent, inexpensive casing patch solution that reliably restores well integrity.

While Enventure has always been known for robust, reliable SET® expandable products, this simpler approach to re-establishing casing integrity means you get the same quality and reliability in a new, lower cost solution for sealing unwanted perfs, casing leaks or reinforcing casing.

The solid steel expandable casing patch has elastomeric bands attached to the top and bottom; it is deployed on the work string or coil tubing. Once expanded, the elastomers anchor the system to the base pipe and the shoe is milled out. This simple and effective design provides a quick, inexpensive, and permanent seal while reinforcing short casing sections, restoring well integrity and prolonging the life of the well.

ESeal™ PATCH

- ▶ *Highly reliable inexpensive solid steel patch*
- ▶ *Permanent restoration of casing integrity*
- ▶ *High collapse and burst pressure ratings*
- ▶ *Simple installation*
- ▶ *Large effective coverage area- up to 25 ft*
- ▶ *Cementing not required prior to installation*
- ▶ *Extensive solid expandable experience*



Enventure Global Technology

15995 North Barkers Landing, Suite 350 | Houston, Texas 77079
Tel 281.552.2200 | Fax 281.552.2201 | www.EnventureGT.com



ESeal Casing Patch System

Base Casing			Pre-Expansion		Post-Expansion					
OD (in.)	Weight (lb/ft)	ID (in.)	Launcher OD (in.)	Seal OD (in.)	OD (in.)	ID (in.)	Drift (in.)	Internal Yield (psi)	(1) Burst (psi)	Collapse (psi)
5.500	14.0	5.012	4.545	4.850	4.593	4.110	4.051	8,520	10,270	4,210
5.500	15.5	4.950	4.545	4.750	4.593	4.110	4.051	8,520	10,270	4,210
5.500	17.0	4.892	4.545	4.670	4.593	4.110	4.051	8,520	10,270	4,210
5.500	20.0	4.778	4.545	4.550	4.593	4.110	4.051	8,520	10,270	4,210
5.500	23.0	4.670	4.545	4.420	4.593	4.110	4.051	8,520	10,270	4,210
7.000	20.0	6.456	6.151	6.000	6.148	5.570	5.511	6,770	9,130	3,400
7.000	23.0	6.456	6.151	5.850	6.148	5.570	5.511	6,770	9,130	3,400
7.000	26.0	6.276	6.151	5.750	6.148	5.570	5.511	6,770	9,130	3,400
7.000	29.0	6.184	5.969	5.800	6.024	5.440	5.381	6,980	9,420	3,610
7.000	32.0	6.094	5.969	5.670	6.024	5.440	5.381	6,980	9,420	3,610

(1) Burst - Hill's Fully-Plastic Burst Limit - Hill, R., "The Mathematical Theory of Plasticity", Oxford University Press, 1950.

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