



Deepwater High-Pressure, Gas-Tight, Underwater Wellhead Casing Patch

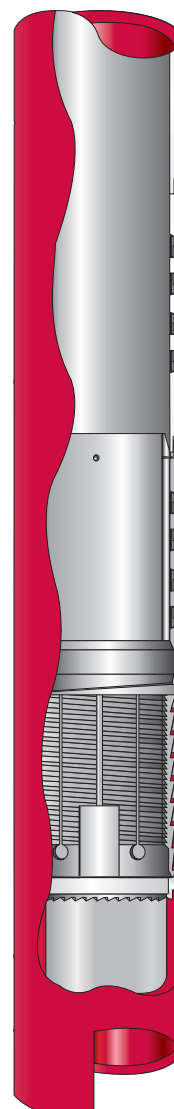
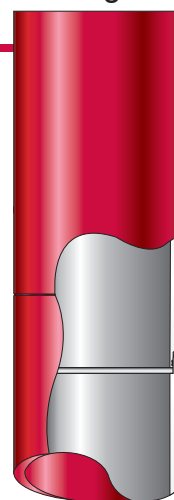
Weatherford's deepwater high-pressure, gas-tight, underwater wellhead casing patch is an elastomer seal patch for casing and tubing of all sizes and weights. Rated according to specifications to the appropriate pressure, the casing patch becomes a permanent part of the repaired casing string. The casing patch can be run with one or both of its two 5-ft (1.5-m) alloy steel extensions, depending on application requirements.

Applications

- Used as an elastomer seal patch for all sizes and weights of casing and tubing.

Features, Advantages and Benefits

- Eight proprietary elastomer seal elements tested to 9,000 psi (62,053 kPa) at 250°F (121°C) make this casing patch suitable for gas environments.
- Packer protector sleeve fully covers packers for protection when engaging casing or tubing into the patch.
- Packer protector sleeve is secured by shear pins, rated at 2,220 lb (1,007 kg), which shear on contact with the casing and tubing to prevent debris from entering the seal area before the tubular to be engaged enters the patch.
- Longer-than-standard basket grapple engages more of the casing or tubing and provides additional pull load for greater efficiency.
- Mill control packer is included for milling burrs from the outside of the casing or tubing to prevent damage to the seals when the tubular enters the patch.
- Versatile design and optional 5-ft (1.5-m) lower extension enable patching of casing or tubing of any size or weight, providing cost savings.
- Overshot-type design enables easy release, if necessary, from the tubular downhole, eliminating the need for an extra trip to cut below the patch, saving time.





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Specifications

To-Patch Casing Sizes (in./mm)	Patch OD (in./mm)	Catch Range of Patch Grapples			Working Pressure (psi/kPa)
		Minimum (in./mm)	Nominal (in./mm)	Maximum (in./mm)	
4-1/2 114.3	5-7/8 149.2	4.45 113.03	4.5 114.3	4.59 116.59	9,000 62,053