

**DESCRIPTION****A-PHIP, A-294 – Permanent Hydraulic Set Isolation Packer**

The A-PHIP Permanent Hydraulic Set Isolation Packer is a Retainer production packer designed to withstand high differential pressure, runs and set on a single trip with the completion tubing string and incorporates maximum strength, uniformity of setting pressure and standardization of materials.

Packer is a robust production packer capable of handling large amounts of weight hung below the packer. This packer features a large ID for increased flow potential. This packer also has upper and lower centralizing slips which increases its ability to set in deviated sections of wells.

The setting mechanism is built into the packer. It requires pressurizing the tubing/casing it is run on once the packer reaches setting depth.

Careful choice of materials for components, which are exposed to the well fluids, enables the packer to be used in a wide range of operating conditions.

**FEATURES/ BENEFITS**

- Solid, slim-lined construction and a packing element system which resists swab-off. This permits a fast run-in (when compared with earlier models of permanent packers) without fear of impact damage or premature setting, yet packs off securely and permanently when the packer is set
- Two opposed sets of full circle, full strength slips ensure that the packer will stay where it is set
- Interlocked, expandable metal back-up rings contact the casing and create a positive barrier to packing element extrusion
- Setting requires no rotation or reciprocation, thereby eliminating the problems of spacing out, landing etc.
- The Packer is normally run on tubing/casing for single trip installation
- Packer furnished with all feasible API or premium tubing connections Box up and Pin down to connect tubing directly with packer
- Packer designed to withstand pressure differentials up to 10,000 psi
- Bottom guide furnished as standard, allowing the attachment of a seal bore extension, mill-out extension or other equipment below the packer. A blank bottom guide can be furnished
- Body & Guide (components in flow paths) can be furnished in customer's choice of material
- Fluid displacement is possible after well is flanged up and prior to setting the packer
- Slip and Cone designed for enhanced load distribution



**APPLICATIONS**

- High Flow Production wells
- High Pressure and Temperature applications
- High Volume fracking applications

Available in sizes for various casing sizes for their respective weight ranges with varying standard or exotic material and elastomers based on compatibility with the well environment and application requirement. In addition, packers are furnished with different end connections (Standard API EUE or NUE or premium), to meet customer’s requirements.

**SPECIFICATION GUIDE**

Casing			Packer		
Size	Weight	ID Range	OD	ID	Thread Connection
in.	lb/ft	in.	in.	in.	Box Up X Pin Down
6-5/8	20-32	5.675-6.049	5.468	3.875	4-1/2, BTC
7	17-26	6.276 – 6.538	6.000	4.00	4-1/2, LTC
	23-32	6.094 – 6.366	5.875	4.00	

Additional sizes with weight ranges are available as required.