

IX Intermediate Expansion Plug



EXTREMELY COMPACT LARGE BORE PLUG
DESIGNED FOR ENHANCED RECOVERY
HYBRID PLUG/PACKER/STRADDLE PLATFORM

Description

DTI's Inter-Expansion technology offers in-flow, thru-tubing deployment capability in working pressures up to 5,000psi, providing an API-11D V3 rated barrier for a wide variety of applications.

The IX plug is an extremely compact, general utility plug that facilitates reliable sealing and retrieval. The plug is set using an easy to make-up setting tool adaptor and has the shortest overall length in the industry.

The slip assembly prevents debris ingress during deployment, then once at depth, the plug slips are set and the sealing element is energised. Once set, an integral beam spring ensures compensated packer load between the element and the slip system during pressure and temperature reversals.

The IXP can be pulled using a common pulling tool and once located within the fish neck profile, jarring up disengages the setting mechanism. As the sealing element relaxes, our unique design enables active retraction of the slips and the element gauge rings for ease of retrieval.

Deployment and Operation

- The IX range can be set with a range of setting tools.
- The latch type setting adaptor ensures makeup and handling is straight forward.
- The unique design also allows the well pressure below the plug to further boost the plugs element system.
- Retrieved with standard GS setting tools.

Features & Benefits

- Hybrid plug/packer design provides the thru bore of a packer – with the drift diameter of a plug.
- Can be used as a packer with a variety of flow control equipment.
- Short compact design with large through bore
- Enhanced retrieval design - upward jarring positively retracts slips and element assembly.
- All components rotational locked.



Applications

Well Testing

The retrievable IX Plug provides a reliable, pressure-tight barrier so that zones can be isolated and well integrity can be tested.

Zonal Isolation

The IX Packers can be used as straddle packers for isolating hydraulic fractured or perforated zones that are un-productive. The length of isolated well sections can vary by stringing multiple sections of tubing into the packer or by using longer sections of coiled tubing between two packers.

Permanent Hanger

The IX Packoff can create a permanent nipple profile or tag point below the upper completion for deployment of conventional plugs, injection valves or chokes. It can be used as a hanger for the deployment of jointed tubing or coiled tubing inside and below the existing production string, enabling you to extend the life of your well with the installation of velocity strings or injections strings.

Anchor

A polished bore receptable and a latch can provide an anchor point for the installation of an upper completion, such as a cable deployed ESP string with a pressure-controlled safety valve (also available from DTI - see below), to enable isolation above and below the packer.

Part Number	Running OD	Setting ID	ID	Pressure Rating	Length
Plugs					
IXP-PLG450BB4511H	3.600"	4.5" 12.6#	1.835"	5,000psi	29.0"
IXP-PLG550BB5517H	4.530"	5.5" 17.0#	2.85"	5,000psi	31.3"

We offer optional equipment, alternative sizes, pressure and temp ratings, materials and thread connections. **Please contact us for more information.**

*Ratings subject to change