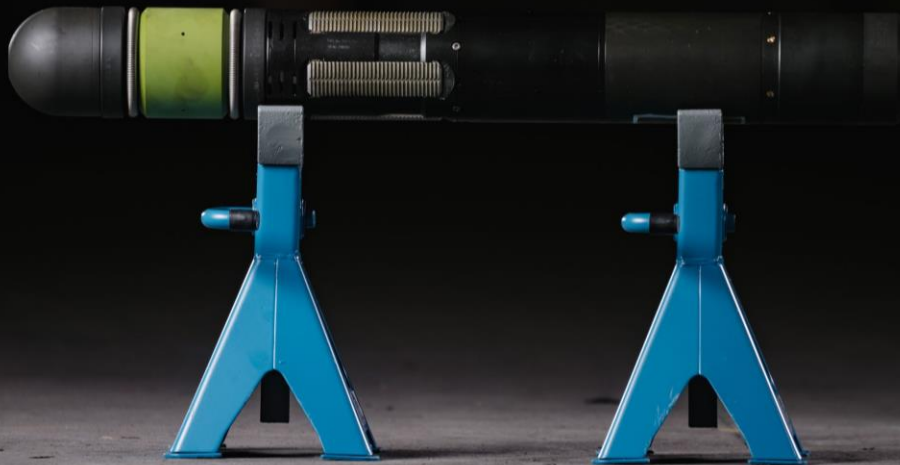


Product Data Sheet

4.5" Inter-Expansion (IX) Plug



The most compact bridge plug, with one of the largest through bores in the industry, providing a 7,500 psi, API-11D V3 rated barrier with in-flow, thru-tubing deployment.

This unique IX plug uses expansion technology to achieve the combined benefits of a reduced size and impressive sealing performance for general utility. With a flexible design, these retrievable or permanent sealing solutions can be tailored to your well and individual project to solve a variety of complex challenges. The technology offer operators a fast and cost-effective method of isolating well zones, reinstating integrity or supporting P&A operations. It can be used as a retrievable or permanent plug, packer, packoff, hanger, anchor or straddle for zonal isolation, workover or abandonment.

The size of the plug and setting tool combination means that the toolstring is lighter and easier to handle and a shorter riser can be used. It is ideally combined with our Surface Intervention System for enhanced rigless efficiencies.

Benefits:

- The most compact bridge plug, with one of the largest through bores in the industry
- 7,500 psi, API-11D V3 rated barrier.
- In-flow, thru-tubing deployment.
- Retrievable or permanent sealing solution.
- A general utility solution with a flexible design to solve a variety of challenges - plug, packer, packoff, hanger, anchor or straddle for isolation, workover or abandonment.
- The size of the plug and setting tool combination means that the toolstring is lighter and easier to handle. It is ideally combined with our Surface Intervention System for enhanced rigless efficiencies.
- Fast delivery and deployment with improved efficiencies and reduced cost.



Product Data Sheet

4.5" Inter-Expansion (IX) Plug



Specifications:

Description	4.5" 11.6 lb/ft IXP Plug
Part Number	IXP-PLG450AC4511H

Dimensional Data

Maximum Body OD/Gauge OD	3.600"
Max expansion	4.08"
Minimum Body ID	1.93"
Top Connection for Pulling	3.5" GS
Body Length	31"*
Bottom Connection	2.65"-12 SLB

Performance Data

Casing Size	4.5" 11.6# (4.00 Nominal)
Pressure Rating	7,500 psi
Max Differential Pressure Rating	7,500 psi
Temperature Rating	0-275°F / 135°C
Tensile Rating	100,000 lbs
Compression Rating	100,000 lbs
Pressure Equalizing	Pump Out Plug as Standard Prong/melon/plug options
Conveyance Method	Slickline / Coiled Tubing

Operational Data

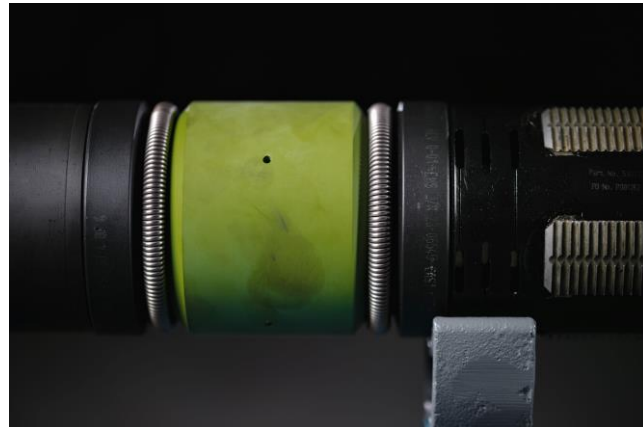
Setting Method	Electric or explosive setting tool
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Quality (Equivalent to ISO 14310/API 11D Ratings)

Design Control Grade	Q3
Design Validation Grade	V3

Material Specifications

Service	H2S
Body Material	17-4PH 105KSI /4140 80KSI
Element	HNBR
O-Rings	VITON



Associated Equipment:

Function	Part No.	Description
SL Setting Tool	NA	Baker 10/20 or electric setting tool
S/T Adaptor	S59104	Setting Tool Adaptor
Hyd, Setting Tool	TBA	Compact Hydraulic Setting Tool
CT Setting Tool	IXP-450PKRT-2	Coil Tubing Deployed Flow Activated Tool
Pulling Tool	350DTIGS	3.5" DTIGS Pulling Tool
Snap Latch	SP-SL450AC	Slim Pump Snap Latch
PBR Kit	IXP-PBR450	PBR Kit
Junk Catcher	JC450	4.50" Junk Catcher
Equalizing Sub	S59081	Combined Melon and PoP Equalisation Sub
Equalizing Prong	IXP-PLG450PRG	Special Equalising Prong

Technical Manual

Technical Manual Reference	IXP-PLG450
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* To be confirmed

** Makeup length will vary dependent on end connections specified and if optional equipment is required