

# Product Sheet: High Expansion Bridge Plug (HEX)

## Product Description

The High Expansion retrievable bridge plug (HEX), is the most versatile mechanical plug on the market. It has been designed to pass through extremely narrow wellbore restrictions (such as valves, nipples and straddles) and set in larger ID casing. Ideally suited as a liner barrier for workover operations, the HEX avoids unnecessary well kill operations that often result in near wellbore reservoir damage.

The ultra-slim design enables deployment and retrieval through narrow wellbore restrictions without the risks associated with inflatable packers. Efficiency is further enhanced by HEX plugs taking just one run to set and one to retrieve. The HEX portfolio has a wide range of plugs.

The innovative packer module includes petal-style backups which retain the single-piece elastomer and provide a tight radial barrier against the casing ID. During the HEX setting sequence the plug slips and a special adapter kit ensures centralization of the plug prior to element expansion/compression.

The plug series has been tested to differential pressures up to 275 bar (4,000 psi)\* at temperatures up to 110°C (230°F)\* and is qualified in accordance with the ISO 14310:2008 international standard up to validation grade Vo.

*\*Applies to some sizes of HEX plugs. Contact Interwell for details*

## Product Benefits:

The High Expansion retrievable bridge plug (HEX), is the most versatile and unique mechanical retrievable plug on the market.

The bridge plug is designed to pass through narrow wellbore restrictions.



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## Product Application

The HEX bridge plug can be used as a temporary or permanent barrier where there is a need for extreme expansion. The element and slip modules have been designed to withstand bi-directional pressure which allows the plug to be set in cross flow.

## Product Features

- Highest expansion retrievable bridge plug on the market
- Centralizing adapter kit ensuring centralization of the sealing element when setting plug
- Short tool length
- Ideal for workover applications: tubing barrier, packer for injection valve, fixed choke etc.
- Slim design (small OD)
- Equalize and retrieve with standard GS in a single operation (no prong required)
- Can be run on slickline, e-line, coiled tubing and pipe
- Other sizes available on request

## Technical Specifications

Csg Size	Csg Wt (lbs/ft)	Model	OD	GS	Min Setting ID <i>Nominal value</i>	Max Setting ID <i>Nominal value</i>
2 7/8"	6.4	180-288 HEX	1.80"	1.5"	2.441"	2.441"
3 1/2"	12.7-13.7	180-350 HEX	1.80"	1.5"	2.674"	2.750"
3 1/2"	9.2-10.2	180-350 HEX	1.80"	1.5"	2.922"	2.992"
4"	11-13.2	215-400 HEX	2.15"	2"	3.339"	3.476"
4 1/2"	11.6-12.6	230-450 HEX	2.30"	2.5"	3.958"	4.000"
4 1/2"	13.5-15.1	230-450 HEX	2.30"	2.5"	3.826"	3.920"
4 1/2"	16.9-18.9	230-450 HEX	2.30"	2.5"	3.609"	3.740"
4 1/2"	11.6-15.1	270-450 HEX	2.70"	2.5"	3.826"	4.000"
5"	18	270-500 HEX	2.70"	2.5"	4.276"	4.276"
5 1/2"	17-26	280-550 HEX	2.80"	2.5"	4.548"	4.892"
6 5/8"	20-32	340-663 HEX	3.40"	3.5"	5.675"	6.094"
7"	26-32	350-700 HEX	3.50"	3.5"	6.094"	6.276"
7"	20-32	363-700 HEX	3.63"	4.0"	6.094"	6.456"
7"	26-35	386-700 HEX	3.86"	4.0"	6.004"	6.276"
7 5/8"	33.7	430-763 HEX	4.30"	4.0"	6.765"	6.765"
9 5/8"	36-53.5	520-963 HEX	5.20"	5.0"	8.535"	8.921"
10 3/4"	60.7	580-1075 HEX	5.80"	6.0"	9.660"	9.660"

