

# High Temperature High Expansion Bridge Plug (THEX)



## Description

The THEX is designed to pass through narrow wellbore restrictions (such as valves, nipples and straddles) and be set in larger ID casing.

The innovative packer module includes packer backups that provide a tight radial barrier against the casing ID and enables the plug to withstand pressure up to 5000 psi and temperatures up to 160 °C. A slim design counters the risks associated with inflatable packers.

It's been tested at a differential pressure up to 345 bar (5000 psi) at temperatures up to 160 °C (320 °F) and is qualified in accordance with the ISO 14310:2008 international standard up to validation grade Vo.

## Application

The THEX bridge plug can be used as a temporary or permanent barrier where there is a need for large expansion. The element and slips modules are designed to withstand bi-directional pressure, which allows the plug to be set in cross flow. The packer module allows the THEX to be used in high temperature environments.

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## Benefits

- Can be run on slickline, e-line, coiled tubing and pipe.
- It can be equalised and retrieved with standard GS in a single operation (no prong required).
- The centralising adapter kit ensures correct centralisation of the packer element during setting.
- Slim design and large expansion allows for passage through narrow restrictions in the wellbore, and setting in comparatively large IDs.
- The packer module enables the tool to run in high temperature environments.
- Other sizes available on request.

## Technical Specifications

Model	Csg Size	Csg Wt (lbs/ft)	OD	GS	Min Setting ID	Max Setting ID
950-1363	13 5/8"	88.2	9.500"	8 5/8"	12.214"	12.570"
440-700	7"	26-35	4.400"	4"	5.892"	6.380"
400-700	7"	32-35	4.000"	4"	5.892"	6.208"
371-700	7"	29-32	3.710"	3 1/2"	5.990"	6.293"
340-550	5 1/2"	17-23	3.400"	3 1/2"	4.578"	4.976"
270-450	4 1/2"	5" 23.2 - 4.5" 12.6	2.689"	2 1/2"	3.894"	4.142"