

Product Sheet: High Pressure High Temperature Bridge Plug (HPHT)

Product Description

The patented High Pressure High Temperature retrievable bridge plug (HPHT) contains an innovative seal module which both compresses and constrains the element, enabling it to withstand extreme differential pressures.

The slim design eases the deployment and retrieval through narrow wellbore restrictions, a crucial operation benefit. Efficiency is further enhanced by each plug taking just one run to set and one to retrieve. With a range of plug sizes for 2 7/8" to 7 5/8" casing, it is an ideal barrier solution for HPHT wells. The plug series has been tested to differential pressures up to 861 bar (12,500 psi)* at temperatures up to 220°C (428°F)*, and is qualified in accordance with the ISO 14310:2008 international standard up to validation grade Vo.

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

Product Benefits:

Patented metal to metal sealing support module and exclusive packer element technology ensure effective HPHT performance. Ideal for workover applications, well control barrier, packer for injection valve, fixed choke etc.

Product Application

The HPHT bridge plug can be used as a temporary or permanent barrier. The element and slip modules have been designed to withstand bi-directional pressure which allows the plug to be set in cross flow. The HPHT plug can be run as an isolation plug or a packer, and can incorporate junk extensions and/or equalizing devices.



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Product Features

- Patented metal to metal sealing support module and exclusive packer element technology
- Ideal for workover applications: well control 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	ID	GS	Min Setting ID Nominal value	Max Setting ID Nominal value
2 7/8"	8.7	210-288 HPHT	2.10"	N/A	2"	2.259" (V6)	2.259" (V6)
2 7/8"	6.4-7.8	220-288 HPHT	2.20"	N/A	2.5"	2.323"	2.453"
3 1/2"	9.2-10.2	260-350 HPHT	2.60"	N/A	2.5"	2.922"	3.024"
4"	11-14.8	300-400 HPHT	3"	N/A	3"	3.240"	3.476"
4"	9.5-16.1	270-400 HPHT	2.70"	N/A	2.5"	3.169"	3.548"
4 1/2"	12.6-18.9	325-450 HPHT	3.25"	0.51"	3"	3.634"	3.958"
4 1/2"	11.6-18.9	342-450 HPHT	3.43"	0.71"	3"	3.640"	4.000"
4 1/2"	10.5-15.1	360-450 HPHT	3.60"	0.51"	3.5"	3.827"	4.141"
5"	18-23.2	360-500 HPHT	3.60"	0.51"	3.5"	4.043"	4.276"
5"	15-21.4	375-500 HPHT	3.75"	0.51"	4"	4.126"	4.408"
5"	15-21.4	386-500 HPHT	3.86"	0.71"	4"	4.126"	4.408"
5 1/2"	23-26	386-550 HPHT	3.86"	0.71"	4"	4.548"	4.670"
5 1/2"	17-23	398-550 HPHT	3.98"	0.71"	4"	4.670"	4.892"
5 1/2"	20-29.7	400-550 HPHT	3.98"	0.51"	4"	4.376"	4.778"
5 1/2"	15.5-23	420-550 HPHT	4.20"	0.71"	4"	4.670"	4.950"
7"	26-38	563-700 HPHT	5.63"	1.94"	6"	5.920"	6.276"
7 5/8"	33.7-39	563-763 HPHT	5.63"	1.37"	6"	6.625"	6.765"
7 5/8"	29.7-39	580-763 HPHT	5.80"	1.37"	6"	6.625"	6.875"

