

Inflatable Casing Packer (ICP)



Inflatable Technology:

An inflatable element is a hydro-mechanical sealing device to be conveyed into a wellbore on a wide range of tool chassis. IPI's unique design of composite element allows the versatility to set in an ID significantly larger (+/- 300%) than its run in OD and where applicable be released and retrieved. The IPI design offers a true wellbore seal in both directions and has proven itself in over 13,000 applications to be the most robust inflatable element while offering the industry's best in class recoverability. Open hole, through tubing, cased hole, oval pipe, scale, perforated, nonstandard etc. conditions make IPI inflatable elements your path to success.

Product Description:

The ICP provides a reliable effective seal for zonal isolation. When utilized in multi-stage cementing the ICP creates the seal and is a base for cement. It also prevents gas migration and eliminates channeling in the cement. The ICP is run as an integral part of the casing string; its inflation is achieved through an inflation/shut-in valve mechanism designed to enable a controlled inflation sequence and provide a locking feature to prevent a casing leak.

Applications:

- ◆ Multi-stage Cementing
- ◆ Cement Assurance
- ◆ Zonal Isolation
- ◆ Permanent Abandonment
- ◆ Large Diameter Fishing Spear
- ◆ Off-Bottom Cementing

Benefits:

- ◆ Robust design to **withstand adverse running conditions, hole irregularities, or rotation** with potential for drilling with casing
- ◆ Choice of API casing as the base pipe with a fully **reinforced no-weld construction**
- ◆ High expansion element allows for **setting through / below restrictions**
- ◆ Full cover elastomeric sealing element allowing **bi-directional pressure integrity**
- ◆ Available with DuraGRIP™ technology providing anchoring in cased hole with **no slip point-loading**
- ◆ Element design facilitates **sealing in irregular IDs** where traditional mechanical packing elements do not
- ◆ Field proven inflation valve designed for **simple pin reconfiguration**
- ◆ Primary and secondary **ICP inflation valve locking mechanisms**
- ◆ Epoxy-free valve collars for **casing equivalent repressure limits**

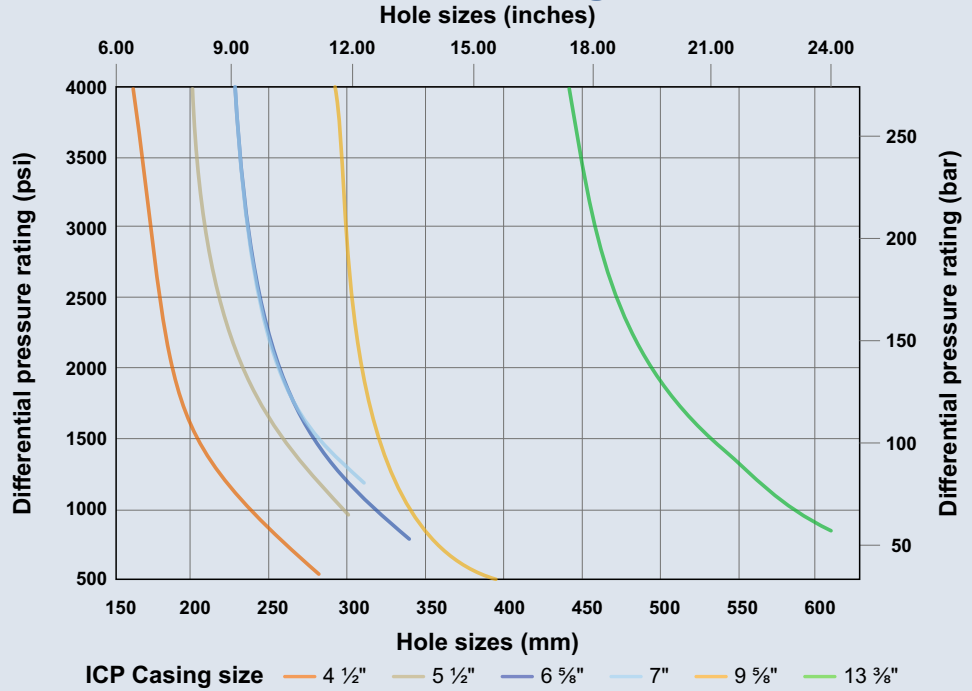


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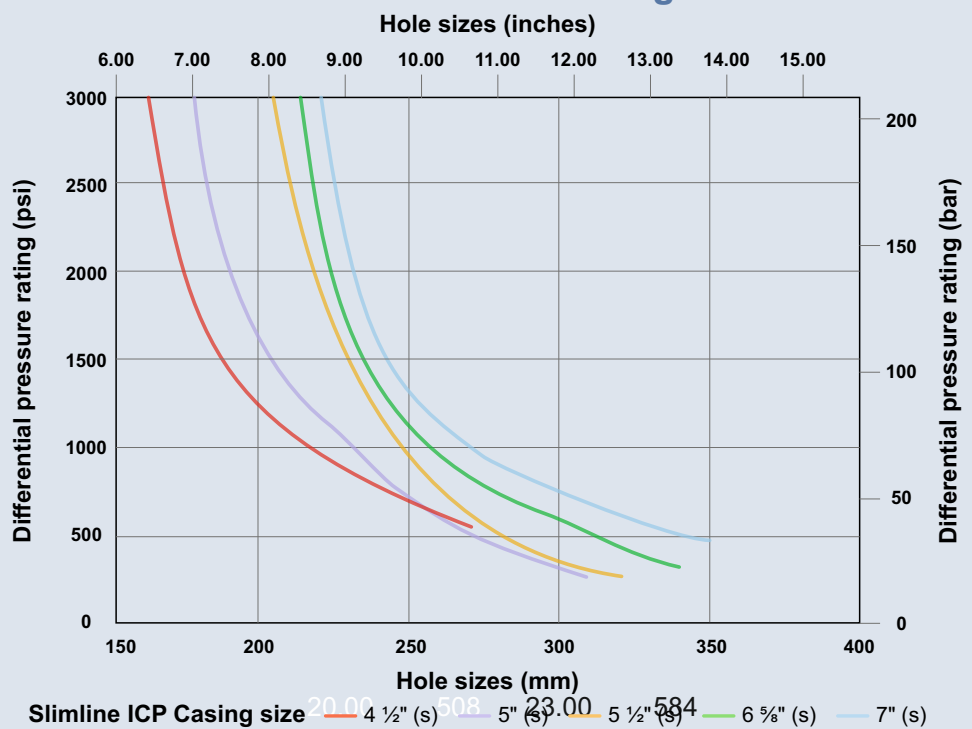
Available Sizes:

Casing OD		ICP Packer OD	
Inches	mm	Inches	mm
2 3/8	60	3 1/2	89
2 7/8	73	4.00	102
3 1/2	89	4 5/8	116
4.00	102	5 1/4	133
4 1/2	114	5 3/4	146
4 1/2 (s)**	114	5.59	142
5.00	127	6 3/8	162
5.00 (s)**	127	6.10	155
5 1/2	140	7.00	178
5 1/2 (s)**	140	6.69	170
6 5/8	168	8.00	203
6 5/8 (s)**	168	7.72	196
7.00	178	8 1/4	210
7.00 (s)**	178	8.07	205
7 5/8	194	9.00	229
8 5/8	219	10 1/4	260
9 5/8	244	11 1/4	286
10 3/4	273	12 3/4	324
11 3/4	298	13 3/4	349
13 3/8	340	15 3/4	400
16.00	406	18 3/4	476
18 5/8	473	20 5/8	524

Differential Pressure Rating vs. Hole Size:



Slimlin Differential Pressure Rating vs. Hole Size:



* For parameters not listed here, please contact your nearest [IPI Packers office](#) or submit your query using the [contact form](#).

** (s) - Slimline Design

