Inflatable Packers International

Made differently to perform better

www.ipipackers.com

Oilfield Standard Replacement Packer Elements

IPI inflatable packers are based on an Australian developed technology that has been in use since the early 1980's. It's wire reinforcing is different to more traditional cable, braided wire or slat reinforcement and offers distinctly superior multi set performance. IPI has taken the basic design and improved both the strength and temperature characteristics to offer market leading performance in water, mining, oil and gas applications. A significant characteristic of this type of packer is it's full diameter recovery on deflation – enabling high pressure multi set capability that is beyond that of more traditional designs in either cased or open hole. For an IPI packer to achieve several hundred inflate/deflate cycles in open hole is quite common – although packer life has many variables affecting it.

APPLICATIONS:

- Replacement elements on oilfield tools
- DST Tools
- Bridge Plugs
- Acidizing Strings

FEATURES:

- Predicted performance from sophisticated computer modelling
- Individually factory pressure tested and supplied with test certificates
- Full diameter recovery on deflation

OPTIONS:

Min. packer element Ø	28mm	1.1in
Max. packer element Ø	≥ 2800mm	≥ 110in
Max. inflation Ø	200% Standard	
Temperature range	-40 °C (Min.) 150 °C (Max.)	-40°F (Min.) 302°F (Max.)
Effective length range	100mm - 6000mm	4in - 236in
Max. pressure	15000 psi	
Pneumatic inflation	Yes	
Hydraulic inflation	Yes	
Standard elastomer options **Alternative materials available on request	- Natural (NR) - Nitrile (NBR) - Hydrogenated Nitrile (HNBR)	

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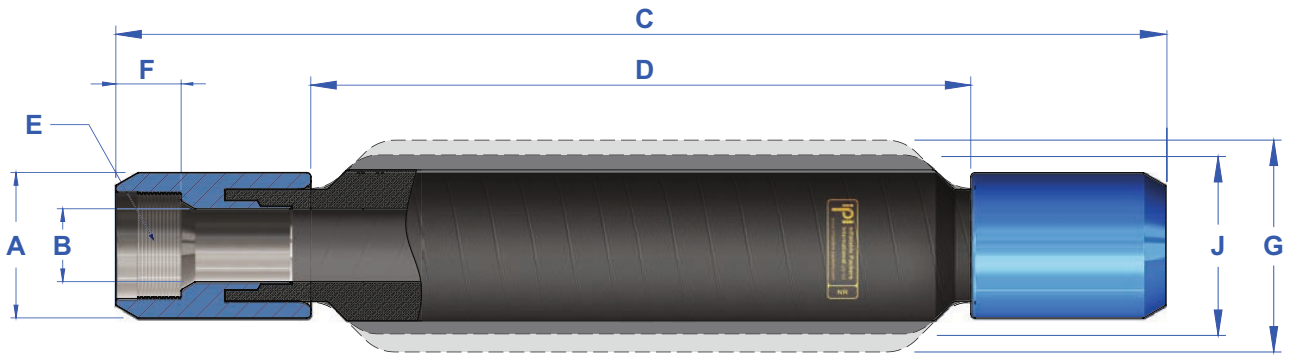
Listed below is IPI's stocked range of oildfield standard replacement packer elements.

Custom packer elements can be built on request



A	B	C	D	E	F	G	H	J	K
Outer Diameter	Inner Diameter	Overall Length	Rubber Effective Length	Thread Connection *	Thread Length	Maximum Inflation Diameter	Maximum Pressure at Max Diameter	Optimum Inflation Diameter	Max Pressure at Optimum Inflation
3.15 in 80 mm	2.00 in 50.8 mm	65.75 in 1670 mm	51.57 in 1310 mm	2.81 x 8 SA 71.4 x 8 SA	1.93 in 49 mm	6.25 in 159 mm	750 psi	3.50 in 89 mm	5000 psi
4.25 in 110 mm	2.44 in 62 mm	65.75 in 1670 mm	49.61 in 1260 mm	3.87 x 6 SA 98.25 x 6 SA	2.41 in 61.2 mm	8.27 in 210 mm	1000 psi	5.00 in 127 mm	5000 psi
5.00 in 127 mm	2.00 in 51 mm	65.75 in 1670 mm	50.00 in 1270 mm	2.81 x 8 SA 71.4 x 8 SA	1.97 in 50 mm	8.50 in 216 mm	3000 psi	6.25 in 159 mm	5000 psi
5.50 in 140 mm	3.19 in 81 mm	66.02 in 1677 mm	47.91 in 1217 mm	4.87 x 6 SA 123.8 x 6 SA	3.03 in 77 mm	10.25 in 260 mm	1350 psi	6.50 in 165 mm	5000 psi
6.75 in 171 mm	3.39 in 86 mm	66.02 in 1677 mm	47.91 in 1217 mm	4.87 x 6 SA 123.8 x 6 SA	3.03 in 77 mm	12.50 in 317 mm	2200 psi	8.00 in 203 mm	5000 psi
7.50 in 190 mm	4.45 in 113 mm	66.02 in 1677 mm	47.91 in 1217 mm	6.25 x 6 SA 158.7 x 6 SA	2.78 in 70 mm	13.25 in 337 mm	1800 psi	8.00 in 203 mm	5000 psi
10.50 in 267 mm	4.06 in 103 mm	66.14 in 1680 mm	37.80 in 960 mm	6.25 x 6 SA 158.7 x 6 SA	3.00 in 76 mm	16.50 in 419 mm	1400 psi	11.50 in 292 mm	5000 psi

** 'SA' - Abbreviated Stub Acme*

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