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Description

Multi-Set Inflatable Service Packers (ISPs) can be configured for use in a wide variety of Workover & Intervention applications. Typically deployed on Tubing, Coil Tubing, and Drill Pipe, they can be used for Isolation, Production, Testing, Treating, or Squeezing. All Multi-Set ISPs are capable of multiple sets per run, and may be retrieved after unsetting. Each Multi-Set ISP features four main components which are mounted onto a robust Mechanical Tubing Mandrel Assembly:

- Inflatable Packer Element
- Inflation Control Valve
- Deflation Mechanism
- Dart Catcher Sub

ISPs are set by pressurizing the work string, requiring no mechanical manipulation. An Inflation Control Valve automatically locks inflation pressure inside the Element after work string pressure is bled-off, allowing for subsequent operations to be performed through the work string.

MAKING IT BETTER

- Robust construction for demanding downhole applications.

MAKING IT SIMPLE

- Simple Setting & Unsetting Procedure.

MAKING IT HAPPEN

- Easily configured for specific applications.

Applications

- Cased Hole or Open Hole
- Vertical or Horizontal
- Test Packer
- Injection Packer
- Squeeze Packer

Design Features

- Robust Mechanical Tubing Mandrel Assembly
- Poppet Valve Inflation Control
- Rotate to Release
- Deploy Darts for Multiple Sets
- Inflatable Elements available in 4ft Seal Lengths
- Cable Reinforced Elements provide excellent Shape Memory after multiple sets
- Rated for up to 300°F (150°C) applications

Customer Benefits

- Simple Operation
- Easily Configurable
- Wide Operating Range
- Seals inside Washed-Out or Irregular Wellbores
- Custom sizes & materials available upon request

Specifications ISP O.D.		ISP I.D.		Connection (EU)	
in	mm	in	mm	Top	Bottom
3.61	91.7	1.25	31.8	2 3/8	2 3/8
4.25	108.0	1.56	39.6	2 3/8	2 7/8
5.06	128.5	2.06	52.3	2 3/8	2 7/8
5.50	139.7	2.06	52.3	2 7/8	3 1/2
6.75	171.5	2.06	52.3	2 7/8	3 1/2
7.50	190.5	2.06	52.3	2 7/8	3 1/2
9.50	241.3	2.06	52.3	2 7/8	3 1/2

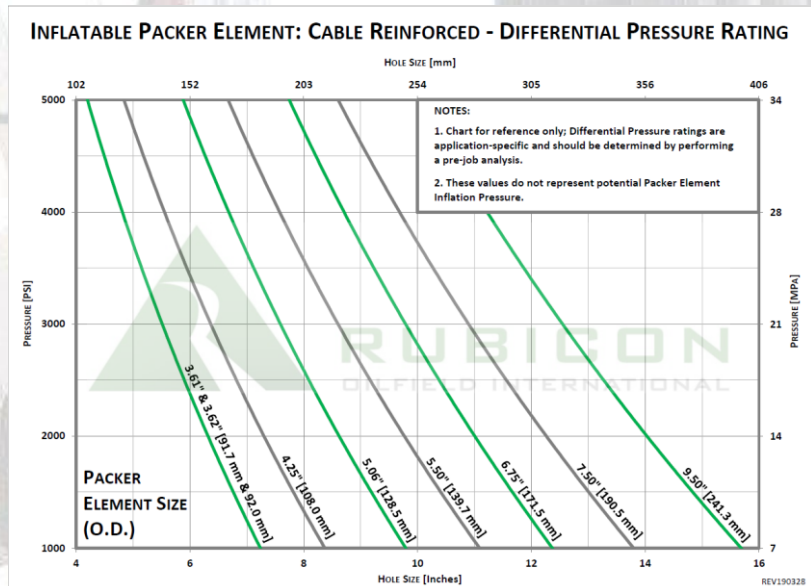
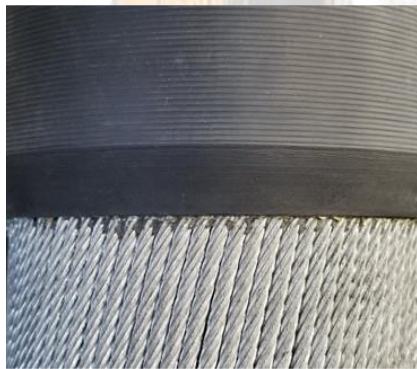
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Inflatable Element Selection for Multi-Set ISP

Multiple sizes of Inflatable Elements are available for use with the Multi-Set ISP. Two Cable Reinforced Inflatable Element configurations are also available for each size:

- **Full Rubber Cover Inflatable Elements** are available for Open Hole Applications to provide superior sealing capability when set inside washed-out or irregular wellbores.
- **Exposed Anchor Inflatable Elements** are available for Cased Hole Applications to provide anchoring against the casing when set.

Use the Differential Pressure Rating Chart by identifying the relevant curve for the ISP O.D. size being used. Draw a vertical line from the relevant setting Hole Size Axis (X-Axis) until it intersects with the relevant ISP size curve. Draw a horizontal line from the intersection point to the Pressure Axis (Y-Axis); this pressure value defines the differential pressure capability of the ISP.



- Aircraft Cable Reinforcement
- Excellent Shape-Memory characteristics for retrievable applications
- Superior Rubber Bonding to Cable, less rubber left downhole