

DST Tool



- An integrated test tool that enables the isolation of specific hole sections for injection fall off testing and in-flow testing.
- Can be used in most well types, e.g. Water, oil, gas, CBM/CSM.
- Consists of a straddle (double) packer system with setting tool. Has adjustable test zone and provision for memory gauge housing(s).
- Available in three basic diameters: 60mm, 86mm and 114mm to suit a range of hole sizes from 76mm (NX) up to 216mm (8.5") together with inflatable packers of appropriate diameters and pressure ratings to suit this same test hole range.
- Crossovers for the tool can be provided to run larger diameter packers as an option.
- IPI has adapted Drill Stem Testing packers with a setting tool to enable improved well testing. In addition, development and maintenance of wells may require use of other IPI packers, such as inflatable bridge plugs, cementing packers and hydro fracture packers.

IPI are a leading international designer and manufacturer of high specification inflatable packers and associated equipment. Based in Perth, Western Australia, IPI products are in use on every continent across a wide range of the resources industry.

IPI Inflatable Packers
International
www.inflatable-packers.com

1 Pitino Court, Osborne Park, WA 6017
Ph: +618 9204 2448 Fax: +618 9204 2449

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- The system is designed to be run on rods, with the Setting/Shut-in tool mounted directly on the top of the top packer and the rods being filled with water during run-in.
- Pumping down through the rods inflates the packers, anchors the system and creates an integral seal over the straddle zone.
- Downward movement of rods allows pump through or fluid extraction (via air-lift, small submersible pump, or similar) for testing.
- Subsequent upward movement of rods places the tool in the Shut-in position and further upward movement of rods shifts it back up to the packer deflation position (for deflation).
- The bottom packer is inflated by means of the bottom packer crossover and any extension subs or by running ancillary tubes in the tool/hole annulus between the packers as appropriate.
- Lengthening the test zone is accomplished by adding additional extension subs to the desired length.
- Natural rubber packers suitable for -30°C to $+80^{\circ}\text{C}$
- Nitrite rubber packers suitable for -30°C to $+100^{\circ}\text{C}$; HNBR to $+120^{\circ}\text{C}$

TOOL SIZE	NQ (60 MM)	HQ (86 MM)	114 MM	114 MM	114 MM
PACKER ELEMENT SIZE [STANDARD]	57 MM	86 MM	133 MM	146 MM	184 MM
PACKER ELEMENT RATING AT DIAM	5,000 PSI 76 MM	5,000 PSI 96 MM	4,500 PSI 144 MM	4,500 PSI 152 MM	3,000 PSI 216 MM

Longer diameter patches can be used with crossovers.
Other packer element specifications available
(diameter, pressure rating, temperature rating)



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