DuraFRAC® Mini

Designed for hydraulic fracturing determination of in-situ rock stresses using IPI DuraFRAC® inflatable packer elements. IPI packers deflate faster and recover to their original diameter better than any packers on the market, enabling them to be run with smaller radial clearances.

APPLICATIONS:
- Rock stress testing
- Other geotechnical applications

FEATURES:
- Exceptional packer durability
- Single or Straddle packer system options
- Use in any hole orientation (i.e up-hole or horizontally)
- Standard 1m injection (test) zone - can be designed shorter, if shorter intervals are required
- Standard diameters from: 33mm (1 1/3") up
- Pressures up to 12,000 psi (850 bar)

OPTIONAL EQUIPMENT:
- Deflation dump valve
- Use in conjunction with impression packers to analyze formation fractures.
- Downhole pressure sensors and housings available for larger sizes.
- Dual wall push rods (see over for more details)
- Air vent valve for up-hole use.
- H.P. inflation & test pump
- Data acquisition system
- Flow control board
DuraFRAC® Mini

PRODUCT SPECIFICATIONS:

STANDARD SYSTEM CONFIGURATIONS

<table>
<thead>
<tr>
<th>Packer diameters</th>
<th>33mm, 43mm, 53mm</th>
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<tr>
<td>Packer effective lengths</td>
<td>175mm, 500mm</td>
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<tr>
<td>Test zone length</td>
<td>100mm, 500mm</td>
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<tr>
<td>Rubber options</td>
<td>Natural (NR)</td>
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<td></td>
<td>Nitrile (NBR)</td>
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<td>Hydrogenated Nitrile (HNBR)</td>
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(Other sizes available on request)

PACKER PRESSURE RATING vs. INFLATED DIAMETER

Dual Wall Push Rods

Designed specifically for DuraFRAC® Mini packer system, Push rods are light weight and enable manual deployment of the packers without the complication of separate injection pipe & inflation tube. Being O-ring sealed to guarantee pressure integrity, they simply screw together by hand as the system is installed in the Borehole.