



Inflatable Packers Model 7261-RT-YEP Series

APPLICATIONS

- Pressure grouting in fractured or unconsolidated formations
- Permeability testing in soil or rock boreholes
- Groundwater sampling
- Sealing elements for soil or rock boreholes
- Methane gas control and collection in mines
- Segmenting boreholes into multiple zones
- Testing pipelines
- Isolating water well pumps from silt producing zones
- Monitoring formation pressures
- Location and flow characterization of water producing strata
- Water infusion for dust control in coal mines



General

The YEP packer manufactured by Roctest is a fixed head packer comprised of a reinforced, expandable gland fitted with tough, elastic collars at both of the gland's extremities. The YEP packer has a zero leak tolerance. The seals on the packer heads form pressure tight joints from which even minute quantities of air or fluid cannot escape.

The inflatable gland can be readily replaced in the field using standard pipe wrenches.

The standard packer element is supplied with 40 inch (1 metre) long glands. Two or more packer elements can be linked to form single and multiple zone packer assemblies.

Custom assemblies with flush joint construction include shrouds to house downhole equipment such as sampling pumps, sample cylinders, geo-

chemical probes, pressure transducers or flowmeters, feedthrough tubes to enable passage of lead lines, or Viton or Viton clad and neoprene sleeves.

Description

The YEP packer is comprised of an inflatable gland and an inner core pipe, which runs the entire length of the packer and on which two fixed sealing heads are mounted. Two vulcolan end collars, two retaining rings and two lock nuts terminate the gland assembly.

The core pipe is fitted with a female pipe thread at both extremities. A 1/4" tubing connector fits on the inflation port on the upper head and accepts the inflation line. A removable plug seals the outlet on the lower head of a single packer element.

The standard straddle packer configuration is comprised of upper and lower single packer elements connected by a length of perforated pipe and a corresponding length of intermediate inflation line with fittings. When used in a straddle packer configuration, the plug on the lower head of a single packer is replaced with a fitting that mates with the intermediate inflation line.

The YEP single packer element may be used to form a multiple packer assembly of more than 2 elements. This inline configuration allows the borehole to be segmented into multiple zones of varying lengths. All packers may be inflated simultaneously or separately if supplied with in-

Inflatable Packers Model 7261-RT-YEP Series

dividual inflation lines leading from the packer to the surface.

The lowering rods or a continuous length of flexible tubing can be used to inject or withdraw fluid from the zone isolated by the packers. The use of tubing requires a coaxial, slotted adapter to permit both the rods and tubing to connect to the top of the packer.

Accessories

- Feedthrough lines to allow selective or serial inflation of a string of packers
- Housings for pumps or samplers located within or below a multiple packer assembly
- Stainless steel or aluminium construction
- Viton or Viton-clad glands
- Custom gland diameters and lengths
- Flush joint construction

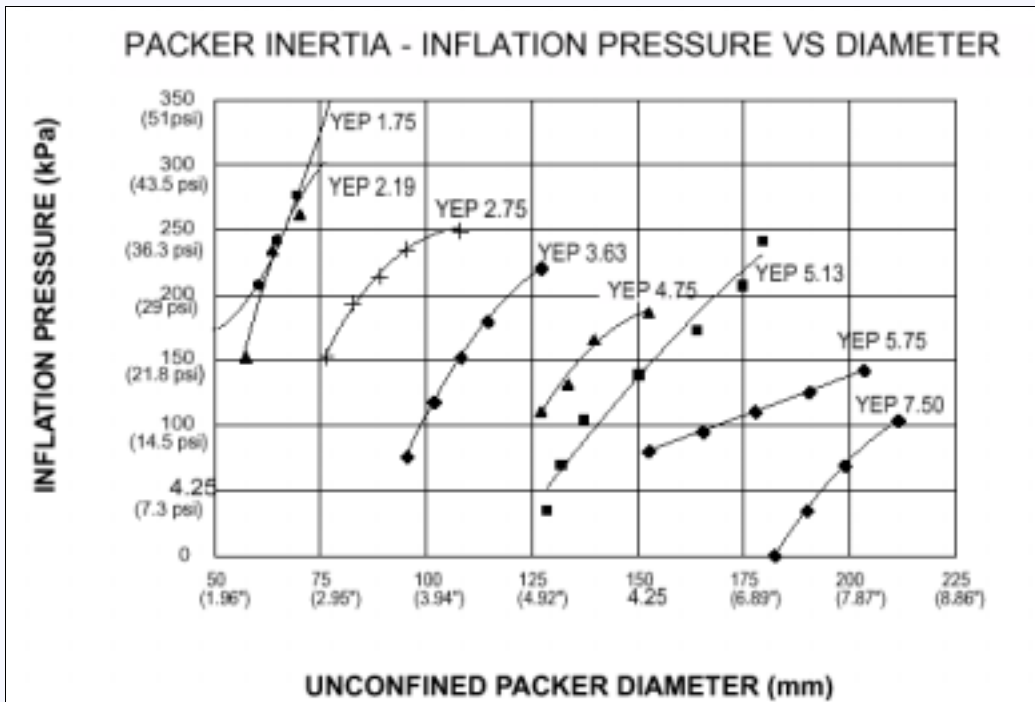
Ordering Information

Please specify:

- Model
- Gland length
- Differential pressure rating required
- Hole diameter
- Configuration:
 - single
 - straddle
 - multiple zone
- Straddle zone length

Specifications

Model Number	Deflated Diameter		Inside Dia. Core Pipe		Core Pipe Female Coupling Size	Standard Gland Length	Overall Length	Inflation Port Tubing Connection	Standard Straddle Zone Lengths	Minimum Straddle Zone Lengths
	mm	in.	mm	in.						
YEP-1.75/2.75	44.5	1.75	12.7	0.50	3/8" NPT	1 M / 39.4 IN.	1.5 M / 60 IN.	6 MM / 1/4 IN.	1.5 M / 5 FT. 3.0 M / 10 FT.	305 MM / 12 IN.
YEP-2.19/3.25	55.6	2.19	14.3	.562	1/2" NPT					
YEP-2.75/4.25	70.0	2.75	20.9	.824	3/4" NPT					
YEP-3.63/5.00	92.2	3.63	26.7	1.05	1" NPT					
YEP-4.75/6.50	120.7	4.75	35.1	1.38	1-1/4" NPT					
YEP-5.13/7.00	130.2	5.13	35.1	1.38	1-1/4" NPT					
YEP-5.75/8.00	146.0	5.75	35.1	1.38	1-1/4" NPT					
YEP-7.50/9.50	190.5	7.50	76.2	3.00	3" NPT					



Due to on-going design improvements and reviews, we reserve the right to amend product and specifications without prior notice



FOR FURTHER INFORMATION

environmental systems & services | 8 River Street, Richmond VIC 3121 Australia

T + 61 3 8420 8999 | F + 61 3 8420 8900 | geotechnical@esands.com | www.geosystems.com.au