



TIP – Retrievable Inflatable Packer System 4-1/4-in.

The 4-1/4-in. TAM Inflatable Packer (425-TIP) is a versatile single set rotational release packer for zonal isolation. The TIP is adaptable for both cased hole and open hole applications using TAM's field proven woven cable or slat reinforced inflation elements. The packer can run through restrictions in the wellbore and set in larger ID's or washed-out sections of open hole. The TIP is an ideal packer for testing, treating, injection, production, and many other zonal isolation applications. The packer is easily converted into a bridge plug or cement retainer.

The tool operates by pressuring up the work string against an expendable plug to create differential pressure inside the inflation element. Once all work is completed the packer can be deflated with right hand rotation and pulled back through restrictions in the well. The TIP is a single set packer and must be removed from the well between settings.

Provide Solutions For:

- Acid or Chemical Treating
- Mechanical Integrity Testing
- Cementing Packer/Retainer
- Bridge Plug

Features:

- Deflation groove cut into packer tube allows equalization above and below packer
- Inflation element is pressure balanced while lowering tool into the well
- Generous flow area to inflate and deflate the element
- Heavy duty connections and high strength material allow for high tensile and torque capability
- The 425-TIP chassis will accept multiple element types and sizes from 4.25-in. (108mm) through 14.5-in. (368mm) OD
- 12-turn right hand release with an 18-in. upward stroke

Benefits:

- Simple to operate with no reciprocation of the work string required
- The tool is resistant to plugging issues in a drilling mud environment
- Fluids can circulate through the tool at higher rates without inflating the element
- Can seal in open or cased hole
- Can be deployed on tubing or drill pipe
- Release mechanism provides positive indication the tool is in the release position



General Product Sheet

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4-1/4-in.

Description	Specifications			
	Standard		Heavy Duty	
Bore ID (Nominal)	2.00 in	50.8 mm	1.75 in	38.1 mm
Overall Length (48" Element Length)	150.5 in	3,822.7 mm	154.8 in	3,931.9 mm
Overall Length (66" Element Length)	168.5 in	4,279.9 mm	172.8 in	4,389.1 mm
Overall Length (14-VE Element)	173.0 in	4,394.2 mm	177.3 in	4,503.4 mm
Overall Length (110" + Element Length)	217.4 in	5,522.0 mm	221.7 in	5,631.2 mm
OD (Nominal)	4.25 in.	108 mm	4.75 in.	120.7 mm
Material	ESMA 2005 (110 ksi MYS)			
Thread Size/Type	2-7/8-in. EUE Box X Pin		3-1/2-in. IF Box X Pin	
Collapse Pressure	5,000 psi	344.7 Bars	5,000 psi	344.7 Bars
Burst Pressure	5,000 psi	344.7 Bars	5,000 psi	344.7 Bars
Tensile Strength Through Packer Tube	45,000 lbs	20,400 kg	106,000 lbs	48,000 kg
Max. Torque Through Packer Tube	500 ft-lbs	678 Nm	500 ft-lbs	678 Nm
Operating Temperature Range	40 to 275°F	-4 to 135°C	40 to 275°F	-4 to 135°C

Industry Standard: API 11D1 compliant Q3 quality grade with V6 validation

Nominal Tool OD (Gauge Ring)		Available Element Size	
(in.)	(mm)	(in.)	(mm)
4.75	120.7	4.25	108.0
5.12	130.0	5.06	128.5
5.50	139.7	5.25	133.4
5.56	141.2	5.50	139.7
6.19	157.2	6.19	157.2
7.35	186.7	7.00	177.8
7.44	189.0	7.38	187.5
8.25	209.5	7.88	200.2
11.25	285.8	11.00	279.4
14.80	375.9	14.5	368.3

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