



GENERAL PRODUCT SHEET

Single Set – Retrievable Inflatable Packer System

PRODUCT DESCRIPTION:

The Single Set product line provides a retrievable inflatable packer system capable of being inflated and automatically locked set without manipulation of the work string.

TAM Single Set tools do not use a check valve for maintenance of the inflation pressure, but rather utilize a highly reliable, multi-seal, shearable sleeve that closes the inflation port and isolates pressure internal to the inflatable element. The tools can be run on any work string or coiled tubing.

By using accessories such as an on-off tool (TAMCON) or Hydraulic Release, the work string can be released from the tool, leaving it as a bridge plug. The rotate release version of the tool can be unset by right-hand rotation, for retrieval at a later date, thus making it a reliable, temporary bridge plug. The Single Set can be converted into a cement retainer with the addition of a cement retainer kit in select sizes.

PROVIDE SOLUTIONS FOR:

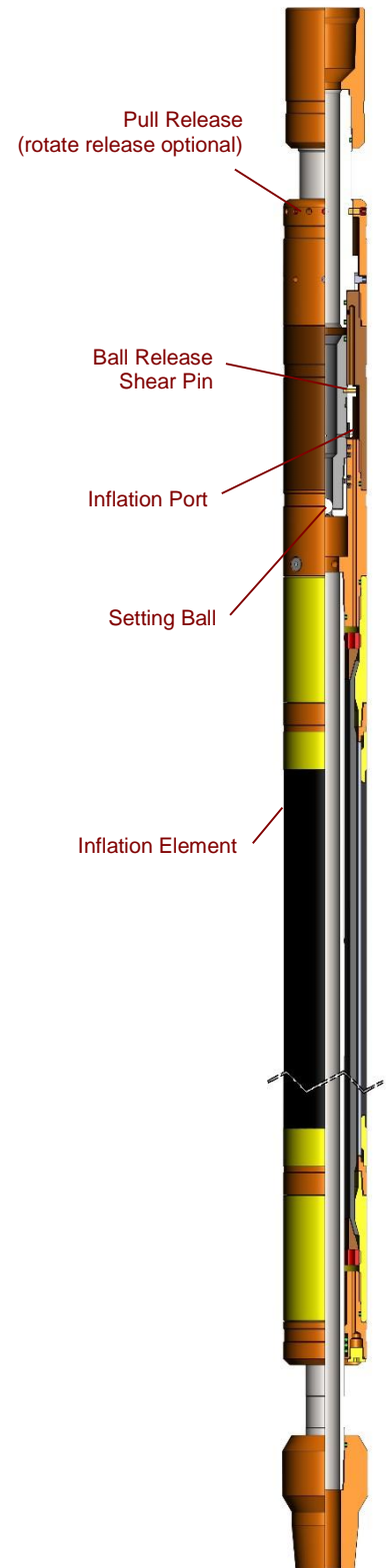
- Temporary or permanent bridge plugs
- Cement squeeze
- Treating
- Scab liner for selective production control
- Production Packer

FEATURES:

- Can be configured to run and be retrieved using a work string, or coiled tubing
- Utilizes a variety of inflatable elements capable of satisfying a wide range of applications requirements: in vertical, horizontal, cased hole, or open hole wells, with 3:1 expansion capability, and in up to 300°F (150°C) operating temperature
- No pipe movement is required to set the packer
- Can set in damaged or out-of-round casing
- Runs through restrictions
- Deflation by right-hand rotation or pull release
- Ideal for horizontal applications
- Optional delayed opening valve system
- Capable of nitrogen inflation
- Can be converted into a cement retainer by adding a cement retainer kit

BENEFITS:

- Superior setting mechanism
- Field-proven reliability
- Flexible configuration for varying applications
- Ideal for applications where mechanical packers cannot be used
- Design allows use of all TAM element type to satisfy a wide range of applications





Single Set – Retrievable Inflatable Packer System

TOOL TYPE:

TAM Single Set products are our “workhorse” tool line and can be easily configured for use in a wide variety of applications, from single packers for production, treating, or squeezing to temporary or permanent bridge plugs. Multiple packers can be configured as scab liners for selective production control.

TOOL SIZES AND CONFIGURATIONS:

Nominal Tool OD		Minimum ID		Deflation Mechanism			Run On
(in.)	(mm)	(in.)	(mm)	Rotate	Pull	Ball	Work String
1.69	42.9	0.48	12.2		X	X	X
2.13	5.41	0.88	22.4		X	X	X
2.63	66.8	0.94	23.9		X		X
3.44	87.4	1.21	30.7	X	X		X
3.88	98.6	1.88	47.8	X			X
4.25	108.0	1.82	46.2	X			X
4.63	117.6	2.28	57.9	X			X
7.50	190.5	2.25	57.2	X			X

MULTIPLE-RELEASE OPTIONS:

TAM Single Set tools can be released using a variety of methods, depending on tool size. Releasing mechanisms include rotation, straight pull, and ball release. The chart above defines the optional release mechanism available by tool size.