

## JGS-K Thermal Packer

**Product:** JGS-K Thermal Packer

**Type:** Retrievable

**Set:** Mechanical

**Retrieve:** Rotation or Straight Pull

The TIW JGS-K Thermal Packer is a simple, economical, unitized casing packer and tubing expansion joint designed for ultra-high-temperature applications. Engineered for either injection or producing wells, it is ideal for use in steam and fireflood applications. A high-temperature packoff, made of aramid-filled material, provides a positive seal from above or below at temperatures to 650°F. All moving parts are coated with molybdenum disulphide, and the polished mandrel is available in various lengths to allow for expansion and contraction of the tubing string.

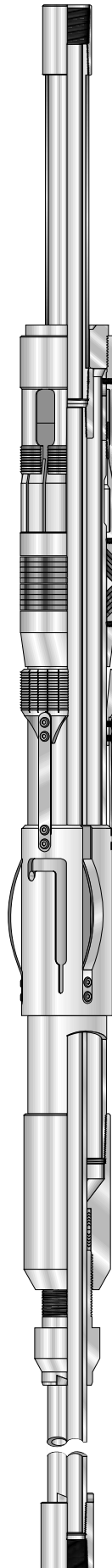
### Features

- The locator sub is supplied with a tubing connection. Premium threads are available on order.
- The kelly-bumper sub has a 36-inch stroke that allows the packer to be set at shallow depths with minimal tubing weight.
- The JGS-K requires ¼ clockwise turn to set.
- The high-temperature packoff provides a premium, weep-proof seal at temperatures to 650°F.
- The serrated slips hold the packer in place against differential pressure from above or below. The hold-down slips cannot be set prematurely.
- The wiper springs are made of spring steel with TIW hardfacing to eliminate wear.
- The JGS-K Packer Mandrel is machine-ground and highly polished on the O.D. Coated externally with molybdenum disulphide, the mandrel length is optional to allow for tubing movement due to temperature changes. It can be constructed of stainless steel for protection against corrosion.
- The packing housing contains the high-temperature packoff stack, a V-ring design, which securely holds pressure from either direction.
- The packer does not rely on relatively weak compression springs to energize the packer mandrel sealing element. The tension on the high-temperature packing may be adjusted at any time by tightening the packing nut. This may be accomplished without removing the packer from the well by engaging the clutch and rotating the tubing to the right.
- The packer may be easily repaired. Replacement of the high-temperature packing and shear pins is normally all that is required.

### JGS-K Thermal Packer Specifications

CASING SIZE				MAXIMUM BODY O.D.		POLISHED NIPPLE			
O.D.		WEIGHT RANGE				O.D.		SIZE	
In.	Mm.	Lb./Ft.	Kg./M.	In.	Mm.	In.	Mm.	In.	Mm.
4½	114.3	9.5-13.0	14.1-19.4	3 <sup>21</sup> / <sub>32</sub>	92.8	2¼	57.2	1¾	44.5
5	127.0	11.5-13.0	17.1-19.4	4 <sup>15</sup> / <sub>64</sub>	107.6	2 <sup>5</sup> / <sub>8</sub>	66.7	2	50.8
5	127.0	13.0-18.0	19.4-26.8	4 <sup>1</sup> / <sub>16</sub>	103.2	2 <sup>1</sup> / <sub>8</sub>	73.0	2 <sup>1</sup> / <sub>16</sub>	61.9
5½	139.7	14.0-20.0	20.8-29.8	4 <sup>9</sup> / <sub>16</sub>	115.9	3	76.2		
7	177.8	20.0-26.0	29.8-38.7	5 <sup>7</sup> / <sub>8</sub>	149.2				
7	177.8	24.0-30.0	35.7-44.7	5¾	146.1	3½	88.9	3	76.2
7	177.8	32.0-38.0	47.6-56.6	5 <sup>5</sup> / <sub>8</sub>	142.9				
7 <sup>5</sup> / <sub>8</sub>	193.7	20.0-26.4	29.8-39.3	6 <sup>5</sup> / <sub>8</sub>	168.3				
7 <sup>5</sup> / <sub>8</sub>	193.7	26.4-33.7	39.3-50.2	6 <sup>7</sup> / <sub>16</sub>	163.5	3½	88.9	3	76.2
7 <sup>5</sup> / <sub>8</sub>	193.7	33.7-39.0	50.2-58.1	6¼	158.8				
9 <sup>5</sup> / <sub>8</sub>	244.5	29.3-40.0	43.6-59.5	8 <sup>29</sup> / <sub>64</sub>	214.7				
9 <sup>5</sup> / <sub>8</sub>	244.5	43.5-53.5	64.7-79.6	8 <sup>3</sup> / <sub>16</sub>	207.9	4½	114.3	4	101.6

Other sizes available upon request.



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