
Thermal Well Construction and Completion Systems

Thermal Sole Liner Top Seal Packer

- Large bore liner top seal is suitable for drill-down operations
- Available in standard, thermal, and sour gas configurations
- Rated to 7,500 psi (51.7 MPa) and 400°F (204°C) primary and 2,500 psi (17.2 MPa) and 675°F (357°C) thermal

The Logan Thermal Sole Liner Top Seal Packer is a premium liner top seal that is designed for use in a wide variety of applications. The seal utilizes a proprietary blend of elastomer that is ideal for operation in primary conditions with high pressures and temperatures — up to 7,500 psi (51.7 MPa) and 400°F (204°C). When used in conjunction with the EXTrack Running Tool and other liner circulation tools, the robust design is ideal for drilling in and circulating liners into position. Its large beveled liner entry facilitates liner re-entry for workover or tractor operations.

Thermo Seal Packing Element Technology

For higher temperature static and dynamic applications — up to 675°F (357°C) and 2,500 psi (17.2 MPa) — the Thermal Sole Liner Top Seal Packer can be configured with our proprietary Thermonator Seal Packing Element. The chemically inert thermo seal material was tested to 675°F (357°C) and 2,500 psi (17.2 MPa). A unique internal mechanical locking mechanism charges the seal and maintains complete set force for the life of the installation.

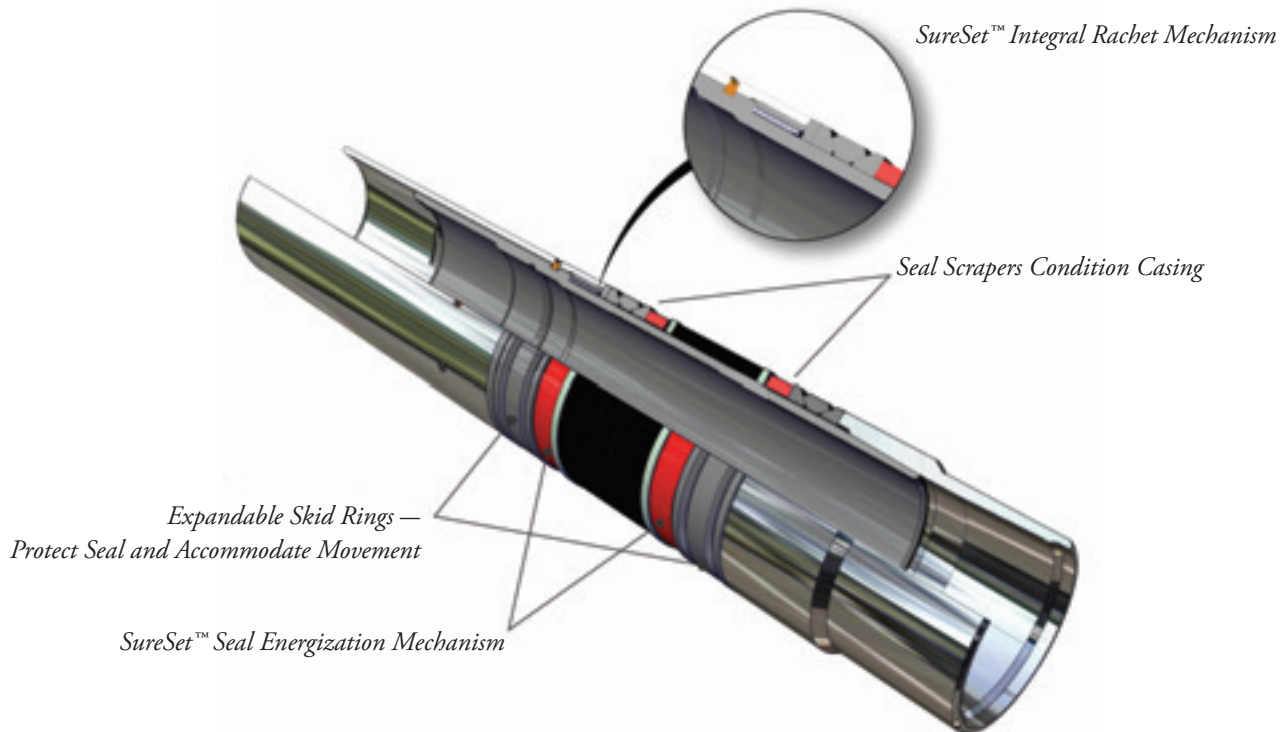


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Thermal Sole Liner Top Seal Packer Specifications

Liner x Casing (in)	Casing Size (in)	Casing Weight (lb/ft)	Liner Size (in)	Liner Weight (lb/ft)	Max OD (in)	Liner x Casing (mm)	Casing Size (mm)	Casing Weight (kg/m)	Liner Size (m)	Liner Weight (kg/m)	Max OD (mm)
4-1/2 x 7	7.00	20.00 – 26.00	4.50	9.50 – 15.10	5.88	114.3 x 177.8	177.8	29.76 – 38.69	114.3	14.14-22.47	149.35
	7.00	26.00 – 29.00	4.50	9.50 – 15.10	5.75		177.8	38.69 – 43.16	114.3	14.14-22.47	146.05
5 x 7	7.00	17.00 – 23.00	5.00	11.50 – 18.00	6.00	127.0 x 177.8	177.8	25.30 – 34.23	127.0	17.11-26.79	152.40
	7.00	20.00 – 26.00	5.00	11.50 – 18.00	5.88		177.8	29.76 – 38.69	127.0	17.11-26.79	149.35
	7.00	26.00 – 29.00	5.00	11.50 – 18.00	5.75		177.8	38.69 – 43.16	127.0	17.11-26.79	146.05
	7.00	32.00 – 38.00	5.00	11.50 – 18.00	5.56		177.8	47.62 – 56.55	127.0	17.11-26.79	141.22
5-1/2 x 7	7.00	17.00 – 26.00	5.50	14.00 – 23.00	6.00	139.7 x 177.8	177.8	25.30 – 38.69	139.7	20.83-34.23	152.40
5 x 7-5/8	7.63	33.70 – 39.00	5.00	11.50 – 18.00	6.31	127.0 x 193.7	193.7	50.15 – 58.04	127.0	17.11-26.79	160.27
5-1/2 x 7-5/8	7.63	20.00 – 26.40	5.50	14.00 – 23.00	6.62	139.7 x 193.7	193.7	29.76 – 39.29	139.7	20.83-34.23	168.15
	7.63	26.40 – 33.70	5.50	14.00 – 23.00	6.41		193.7	39.29 – 50.15	139.7	20.83-34.23	162.81
7 x 9-5/8	9.63	29.30 – 40.00	7.00	17.00 – 35.00	8.43	177.8 x 244.5	244.5	43.60 – 59.53	177.8	25.30-52.09	214.12
	9.63	40.00 – 47.00	7.00	17.00 – 35.00	8.38		244.5	59.53 – 69.94	177.8	25.30-52.09	212.85
	9.63	43.50 – 53.50	7.00	17.00 – 35.00	8.20		244.5	64.74 – 79.62	177.8	25.30-52.09	208.28
	9.63	58.4	7.00	17.00 – 35.00	8.12		244.5	86.91	177.8	25.30-52.09	206.25
7-5/8 x 9-5/8	9.63	32.30 – 40.00	7.63	24.00 – 45.30	8.45	193.7 x 244.5	244.5	48.07 – 59.53	193.7	35.72-67.41	214.63
	9.63	40.00 – 47.00	7.63	24.00 – 45.30	8.25		244.5	59.53 – 69.94	193.7	35.72-67.41	209.55
9-5/8 x 13-3/8	13.38	54.50 – 68.00	9.63	32.30 – 58.40	12.00	244.5 x 339.7	339.7	81.10 – 101.19	244.5	48.07-86.91	304.80



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