

TECHNICAL DATA SHEET

7 x 9 5/8" Liner Hanger and Packer System

The complete liner hanger system has been qualified under simulated wellbore conditions under axial loading, compression and at wellbore temperatures to **V0 ISO 14310**.

Liner Top Packer Assembly (WI-132642)

Detail	Rating
Casing Size	9 5/8" 47#
Max OD	8.353" (212.17 mm)
Min ID	6" (152.40 mm)
Assembly Length	29.5 ft (9.0 m)
Bore ID	7.244" (184.51 mm)
Setting Force	50,000 lbs compression
Temperature Rating	121°C
Pressure Rating	7,500 psi (517 bar)
Burst Pressure	11,965 psi (825 bar)
Collapse Pressure	9,848 psi (679 bar)
Yield Strength	360,000 lbf (1,601 kN)

Specifications based upon 28% Cr 110 ksi material.
Material changes are available upon request and may alter specifications.



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Tie Back Seal Assembly (WI-142188)

Detail	Rating
Max OD	8.353" (212.17 mm)
Min ID	6.000" (152.4 mm)
Assembly Length	16.1 ft (4.9 m)
For Bore ID	7.244" (184.51 mm)
Temperature Rating	121°C
Pressure Rating	7,500 psi (517 bar)
Burst Pressure	9,993 psi (689 bar)
Collapse Pressure	7,512 psi (518 bar)
Compression Limit	586,000 lbf (2,509 kN)
Elastomer Material	PTFE / FKM
Number of Elastomers	7
Snapping Force	20,000 lbf ± 10%
Latching Force	200,000 lbf ± 10%

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Liner Hanger Assembly (WI-134318)

Detail	Rating
Casing Size	9 5/8" 47#
Max OD	8.353" (212.17 mm)
Min ID	6.000" (152.40 mm)
Assembly Length	16.1 ft (4.9 m)
Lower Connection	7" 26# VAM TOP PIN
Hanging Capacity	300,000 lb
Temperature Rating	121°C
Pressure Rating	7,500 psi (517 bar)
Burst Pressure	11,574 psi (798 bar)
Collapse Pressure	9,485 psi (654 bar)
Yield Strength	350,000 lbf (1,556 kN)
PBR Length	

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Liner Hanger Running Tool (WI-137064)

Detail	Rating
Max OD	8.465" (215 mm)
Min ID	2.812" (71.44 mm)
Assembly Length	18.7 ft (5.7 m)
Lower Connection	SA 86—8 2G PIN
Upper Connection	5 1/2" Full Hole Box
Temperature Rating	121°C
Material	AISI 4140—110 ksi
Burst Pressure	8,502 psi (586 bar)
Collapse Pressure	4,620 psi (318 bar)
Max RIH weight	350,000 lbf (1,556 kN)
Main Releasing Method	Hydraulically
Contingency Releasing Method	Mechanical by RH Rotation
Torque to Contingency Release	11,000 ft lbs, with 50 shear pins



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Liner Top Packer Running Tool (WI-121101)

Detail	Rating
Max OD	7.275" (184.785 mm)
Min ID	2.81" (71.4 mm)
Assembly Length	21.549 ft (6.568 m)
Upper Connection	4 1/2" API IF
Temperature Rating	121°C
Material	AISI 4140—110 ksi
Burst Pressure	15,000 psi (1,034 bar)
Collapse Pressure	13,540 psi (933 bar)
Yield Strength	350,000 lbf (1,556 kN)
Torque Yield	11,000 ft lbs (14,910 Nm)
Main Releasing Method	Right Hand Rotation

