



LIFTING SOLUTIONS

Endless Rod® | Product | Service | Safety

PERMIAN BASIN



LIFTING SOLUTIONS

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ABOUT LIFTING SOLUTIONS

Lifting Solutions (LS) offers high-quality artificial lift products and services that consistently outperform the market. We work closely with our clients to develop products and services that reduce our client's operating expenses, the risk profile of services that are critical to their operations and support their Environment, Social and Governance (ESG) goals such as reducing emissions.

As a vertically integrated organization, Lifting Solutions manufactures, distributes, sells, and services our artificial lift products. Our plant in Edmonton, Alberta, Canada, manufactures top-quality products distributed worldwide.

ENDLESS ROD® PRODUCT



Lifting Solutions is the **largest continuous rod manufacturer globally**, as measured by linear feet sold annually. Our Endless Rod® manufacturing capacity is 7,500,000 feet per annum. Our position in the market is the result of strong leadership, strategic initial investment and the ongoing investment in

research and development, plant efficiency and quality enhancements; product line innovations, and significant investment on training our field service team.

Supporting our Endless Rod® product line is a formal Quality Management System and ISO9001 certification and a team of experts with years of experience in R&D, product engineering, applications engineering, manufacturing, supply chain and servicing.



Our manufacturing focuses on rigorous process control and digital traceability of all material and manufacturing information, supported by a full metallurgical lab to support production, inspection, failure analysis, auditing, competency, and certification programs. The final product is offered in the most common sizes, metallurgy and available in both regular and high strength grades. Additional technical information on our Endless Rod® specifications can be found in our **Endless Rod® Specification and Comparison** datasheet.


TECHNICAL APPLICATION SUPPORT

Lifting Solutions' technical application support for our manufactured product is critical to unlock product potential and maximize run-time performance. We utilize industry recognized design software such as Rodstar™, SROD™ and C-FER; combined our knowledge and experience to properly analyze, design and provide technical assessments for rod driven systems.

PRODUCT TRACKING

To ensure our clients are experiencing optimal service and performance, we have an industry leading web-based product tracking (“**Product Track**”) system with a client portal interface to provide full traceability from manufacturing, installation, service and inspection, failure analysis and real-time reporting.

ALL
BONPCP
EDM
GPR
LYD
MAC
MED
SWC
WAB



PRODUCT TRACKING SYSTEM (TRACK)

Home
Automation
PCP TRACK
PCP SPEC
Endless Rod
Pumping Units
Sucker Rod
ENG LAB

- Endless Rod Manufacturing
- Tool Listing
- NAV Endless Rod
- Coil List
- Rod Orders
- Transfer Orders
- Rod Strings
- Barcode Creator
- Q/A
- Mech Prop Test
- Reporting
- Installation Detail
- Line 2 Dashboard
- Inventory Dashboard

Endless Rod Strings

Records: 29

String Number	Reel Number	Starting Coil	Bulk Rod	Pin Top	Pin Bottom	String Length	
STR-003595	1552	100100653618	✓			0	String Report
STR-003594	1533	100100653586	✓			5400	String Report
STR-003591	ls#40	100100653609	✓			5072	String Report
STR-003590	LSI#43	100100653604	✓			5390	String Report
STR-003583 CW	M 203	100100631795	✓			5288	String Report
STR-003582 CW	LSI 1096	100100631793	✓			5301	String Report
STR-003580	m47	100100617272	✓			0	String Report
STR-003580	m47	100100617272	✓			0	String Report
STR-003578 CW	1371	100100631785	✓			5383	String Report
STR-003573 CW	LSI 239	100100473787	✓				String Report
STR-003572 CW	LSI 1389	100100473771	✓				String Report

ENDLESS ROD® SERVICE

Lifting Solutions is also the **world's largest provider of continuous rod services**, based on fleet size, with over \$30MM of capital deployed for the most modern equipment to service our 45+ clients across North America.

Our field service fleet consists of 34 Endless Rod® units (ERU) rigs, 13 truck mounted grippers, 13 rod transport units, 15 Endless Rod® welders (ERW) and a fleet of ancillary equipment to support our full suite of services, which is under-pinned by our service quality, competency training and health and safety program.

With our suite of continuous rod service equipment, Lifting Solutions performs over 15,000 jobs per year. Our demonstrated capabilities are highlighted below showing the volume of continuous rod services per year.

NUMBER JOBS PER ANNUM	2018	2019	2020
<i>ERU and ERW Service Jobs</i>	11,901	12,873	10,218
<i>ER Welding Jobs (multiple welds)</i>	1,810	1,942	2,205
<i>Field Transport</i>	2,578	2,701	2,585

ENDLESS ROD® SERVICE EQUIPMENT

Dual Transport Trailer



Rapid Service



Rod Transport & Repair



Endless Rod® Welder



Endless Rod Gripper



Endless Rod Unit



ENDLESS ROD® PRODUCT AND SERVICE IN MIDLAND, TX



Midland, Texas pin-to-pin manufacturing facility.

Lifting Solutions has established a base of operations at 11108 W CR 72 Midland, TX 79707.

Operating from this base are:

- Endless Rod® Units (ERU)
- Endless Rod® Mobile Gripper (EMG)
- Endless Rod® Welders (ERW)
- Full compliment of support equipment
- Pin-to-pin plant in Midland

LS DIFFERENTIATORS:

- Endless Rod® rigs have a 70,000 lbs pull capacity on the block and a 60,000 lbs pull capacity on the injector
- Modern fleet of transfer trailers
- Oxygen acetylene mobile welders for at the well site repair
- Competency Management System
- Preventative Maintenance System
- Endless Rod Welder Quality Program
- Endless Rod manufacturing quality & ISO certification
- Endless Rod engineering, laboratory, product development and failure analysis

MIDLAND PIN-TO-PIN FACILITY



Lifting Solutions Midland, Texas pin-to-pin facility.

Experience Performance.

Artificial lift products and services that consistently outperform the market and reduce OPEX.



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