

# Testing

Test with the best in the industry.

## Break Strength Testing

SWOS provides product strength verification testing to prove actual strength of various products. This destructive testing is valuable in many applications and insures confidence in customers and confirms published strengths.

## Residual Testing

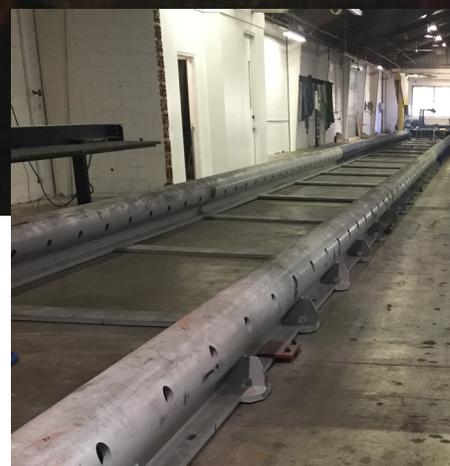
Finding out how much residual strength remaining in a used line may prevent downtime or a safety occurrence in the future. As a preventative measure, customers as well as competitors look to SWOS for testing of used synthetic slings and other rigging components. Our in-house experts will even provide pointers on how to maximize the service life of your line.

## Cycle and Fatigue Testing

Customers, and even competitors, look to SWOS for our expertise in synthetic product testing. Through destructive testing, proof loading, and cycle/fatigue testing, we perform internal quality control testing on our products and ad hoc testing for our customers.

## Proof Loading

Proof load tests are typically required by end users to ensure load capabilities. This is commonly done for used slings as well, for recertification. With a 1000 to 1,000,000 pound load capacity test bed, SWOS can provide testing and certification for synthetic slings and assemblies.



## SWOS Testing Capabilities

Elongation Data Collection - SWOS is tailored for synthetic rope testing. While most test facilities only collect load vs. time, we can also provide customers with load vs. elongation data.

Test bed capacity of 1,000-1,00,000 lbs. (500 short tons) with an effective test length of 208 ft. long.

Mobile load cells – We have a range of load cells up to 150,000 lb. that can be sent to customer sites for testing of rigging hardware.

\* All load reading devices are calibrated to ASTM E4 standards.

# Custom Design Services

Service. Expertise. Customization.



SWOS is dedicated to tailoring our product offerings to client's needs, not changing client's needs to our product offerings. Our goal is to provide our clients with the right solution for the job and make it as safe and efficient as possible. SWOS has the ability to custom design a synthetic rope solution to meet any specification. With a long track record of "firsts" our clients can trust that if a solution is possible SWOS will make it happen. Whether a complete new rope design is needed or a simple color coding for identification, SWOS aims to provide exactly what is required for your project.

Rope constructions and fiber types have long been argued as to what is optimal for various markets and applications. SWOS has partnerships with many rope manufacturers and the technical knowledge to explain to our customers the differences and benefits of many unique configurations and fiber types, whether that be an HMPE, polyester, Aramid or Nylon. This allows for the correct solution to be selected, rather than pushing a client to a product that is not optimal.

## With SWOS, you'll see what a difference service, expertise, and customization can make.

At SWOS, we don't make rope – we make rope better. Ask our mining customers, who experience longer service life with our special coating treatments, or our oil and gas customers that benefit from tailored designs for riser protection nets and complete rigging systems. With the best turnaround times in the industry, SWOS will customize your rigging products efficiently so that you stay up and running. From special rope designs and configurations, to splicing and line terminations, SWOS can meet any custom needs you have.

To maximize performance and service life, our synthetic rope solutions can be treated with special coatings for specific applications. Specialized coatings are used to:

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Increase abrasion resistance

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Provide improved UV resistance

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Change the coefficient of friction

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Provide color coding

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Increase efficiency of terminations