



Industry leading wire rope testing

Enhancing safety and reliability for stainless steel and galvanised wire rope

Available from Arcus Wire Group - leading supplier of galvanised and stainless steel wire ropes and fittings.

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Ensuring the integrity of materials and components for the toughest workloads, our advanced wire rope testing facility delivers accurate, reliable test results for steel wire and synthetic ropes, chains, shackles and more.

Equipped with two dedicated Test Beds operating at 60t and 300t, our testing is calibrated to Australian Standard AS 2193 - 2005: (R2017) "Force Measuring Systems of Testing Machines". All testing is delivered to the highest standards, providing proof and destructive testing certificates.

300t Test Bed

- Setting the industry benchmark for heavy duty testing requirements of large-scale industrial projects and critical safety applications.
- 240t test capacity
- 15m test length
- Accurate, reliable test results for heavy duty cable assemblies

60t Test Bed

- For wire rope testing across a versatile range of applications from precision engineering to load-bearing components.
- 48t test capacity
- 8m test length
- Accurate, reliable test results for a wide range of applications

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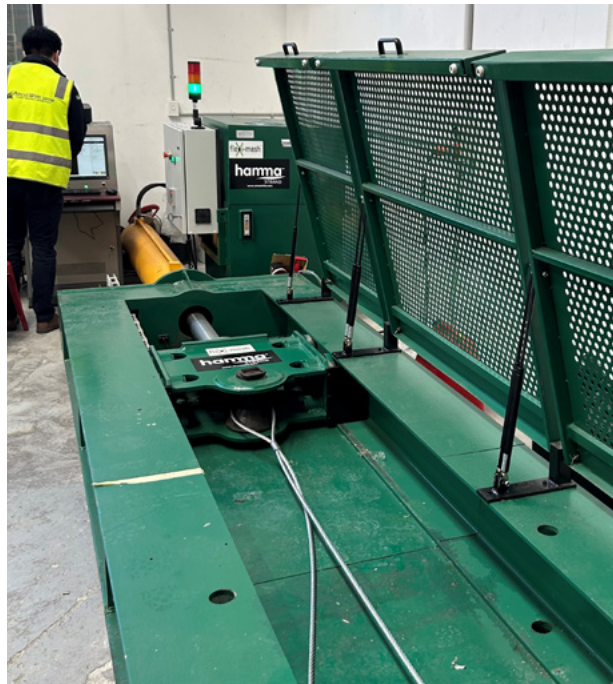
Giving you confidence

Clients choose our testing services to make informed decisions, optimise performance and ensure the reliability of wire ropes to withstand the toughest workloads across a wide range of commercial and industrial applications.

Wide range of testing

Our 60t and 300t Test Beds are supplied by leading wire rope test bed providers, combining best practices and industry leading technologies to create cutting-edge test capacities. Our expert team is fully trained on the latest testing technologies and deliver a wide range of wire rope tests including:

- **Proof Load Testing** – Proof Load testing on a wire rope test bed involves subjecting the wire rope to a predetermined load, typically a percentage of its breaking strength, to ensure its structural integrity and performance under normal operating conditions.
- **Destruction Testing** – Destructive testing on a wire rope test bed involves applying progressively increasing loads until the wire rope fails, allowing engineers to understand its ultimate strength and failure behavior, crucial for determining safety margins and potential failure modes.
- **Cyclic Testing** – Cyclic testing on a wire rope test bed entails subjecting the wire rope to repeated loading and unloading cycles, simulating real-world operational conditions, and helping assess its durability, fatigue resistance, and performance over an extended lifespan.



Wire Rope testing on 60t Test Bed



Wire Rope testing on 300t Test Bed

MORE INFORMATION

For more information about our wire rope testing including test methods, pricing or to schedule your next wire rope test, contact our expert team on 1800 272 879 or email sales@arcuswire.com

IT'S DOWN TO THE WIRE®



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