

Datasheet of general weight guidelines

The table below provides weight guidelines for wire and gripper combinations under static load conditions. To ensure safe and optimal use, always verify the compatibility of your selected wire and gripper. If you require precise load capacity details for your specific application, please contact us for expert guidance and recommendations.

Note: The weight guidelines provided are for reference only and do not replace official product specifications or engineering assessments. We do not accept liability for misuse or incorrect application. Always consult with our team for tailored recommendations.

Wire diameter	Working load limit*	Minimum break load
Ø 0.8 mm	4 kg	20 kg
Ø 1.0 mm	8 kg	40 kg
Ø 1.2 mm	12 kg	60 kg
Ø 1.5 mm	18 kg	90 kg
Ø 1.8 mm	24 kg	120 kg
Ø 2.0 mm	28 kg	140 kg

*The working coefficient of wire-rope/rope-end combinations is set to 5 to guarantee an adequate level of safety. This coefficient is, as a general rule, equal to 5 according to DIRECTIVE 2006/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 17 May 2006 on machinery.

The table above shows results using 7x7 stainless steel wire with suitable Alemtek gripper. Steel wires must be complying with EN 12385-4+A1:2008. Improper installation, incorrect choice of components or combining Alemtek products with products from other brands may give undesirable results.

| Product testing

All our tests are conducted using original Alemtek products to ensure accuracy and reliability. We can provide tensile test reports from our in-house testing facility or an independent third-party laboratory, guaranteeing objective verification of product performance.

We maintain full traceability of our products, from raw material sourcing to final delivery. Each individual batch undergoes rigorous testing and is subject to multiple quality control checks and certifications throughout the entire manufacturing process. This commitment to quality ensures that our products consistently meet the highest industry standards for safety, strength, and durability.

| Contact information

Contact our technicians if you need technical advice or support when using Alemtek products.

Alemtek AB

Box 89
SE-382 21 Nybro
Sweden

Email: info@alemtek.com
Phone: [+46 \(0\)481 696 60](tel:+46(0)48169660)

ALEMTEK