



In safe hands.

# UNIVERSAL LOAD LIMITER [30 t/300 kN]

## FEATURES

- Mechanical load release at a pre-set load point (electro-hydraulic principle) between 0.3 t and 30 t [3 kN and 300 kN]
- Shackle: 2 x Crosby G-2140A-11/2" (30 t/300 kN)
- Precise load measuring with a strain gauge based dynamometer
- Load indicator and release value setting via radio panel
- Power supply with lithium ion battery
- Card reader for data storage and documentation
- Transportation box
- Radio controlled handheld receiver for monitoring of the current load:
  - Indication of the current load with a numerical display and with LED-bar to show the percentage utilization of the pre-set trigger value
  - Protection class: IP65
  - Continuous operation measuring time: 30 to 50 hours
  - Handheld receiver weight: approx. 0.6 kg
  - Acoustic and optical indicator before the pre-set value is reached

## BENEFITS

- High quality made in Germany
- Fully controlled operation
- Long life-cycle
- Ergonomic and light design
- At least 10 years spare part availability
- On-site service
- Resettable, with no need to replace destroyed parts (compared to shear pin based load limiter)



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## TECHNICAL SPECIFICATION

| Model-No.               | SG224-001                   |
|-------------------------|-----------------------------|
| Length                  | 861 mm                      |
|                         | 33.9 inch                   |
| Width                   | 299 mm                      |
|                         | 11.8 inch                   |
| Height                  | 299 mm                      |
|                         | 11.8 inch                   |
| Weight                  | 55 kg                       |
|                         | 121.3 lbs                   |
| Max. Capacity           | 30 t                        |
|                         | 300 kN                      |
| Frequency               | 2.4 GHz                     |
| Radio range             | up to 200 m                 |
|                         | up to 656.2 ft              |
| Dimension transport box | 1,200 mm x 725 mm x 495 mm  |
|                         | 47.2 in x 28.5 in x 19.5 in |

- Adjustable release load: 0.3 t - 30 t (3 kN - 300 kN)
- Increments: 0.1 t (1 kN)
- Typ. response time: < 100 ms
- Mech. load disconnection after approx. 100 mm stroke
- Reset after release
- Application temperature range: -25 °C to +70 °C
- Power supply: lithium ion battery
- Protection class: IP65

## AIRCRAFT APPLICATION

The Load Limiter for debugging purpose for loads from 0.3 t up to 30 t (3 kN up to 300 kN) is a universal application for all common aircraft.

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