



Determination of the verified gross weight (VGM) for freight containers

OIML-Certificate
in preparation

ONE NAME. ALL SOLUTIONS.



Patented solution for fast weighing

Container handling involves a fast turnaround. This is why method 1 for the implementation of the SOLAS Directive gains increasing acceptance. Instead of individual packages, the entire container is weighed - immediately before loading. The patented twistlock sensor from tecsis registers the weight directly on the spreader: fast, safe and reliable.

Clear user benefits

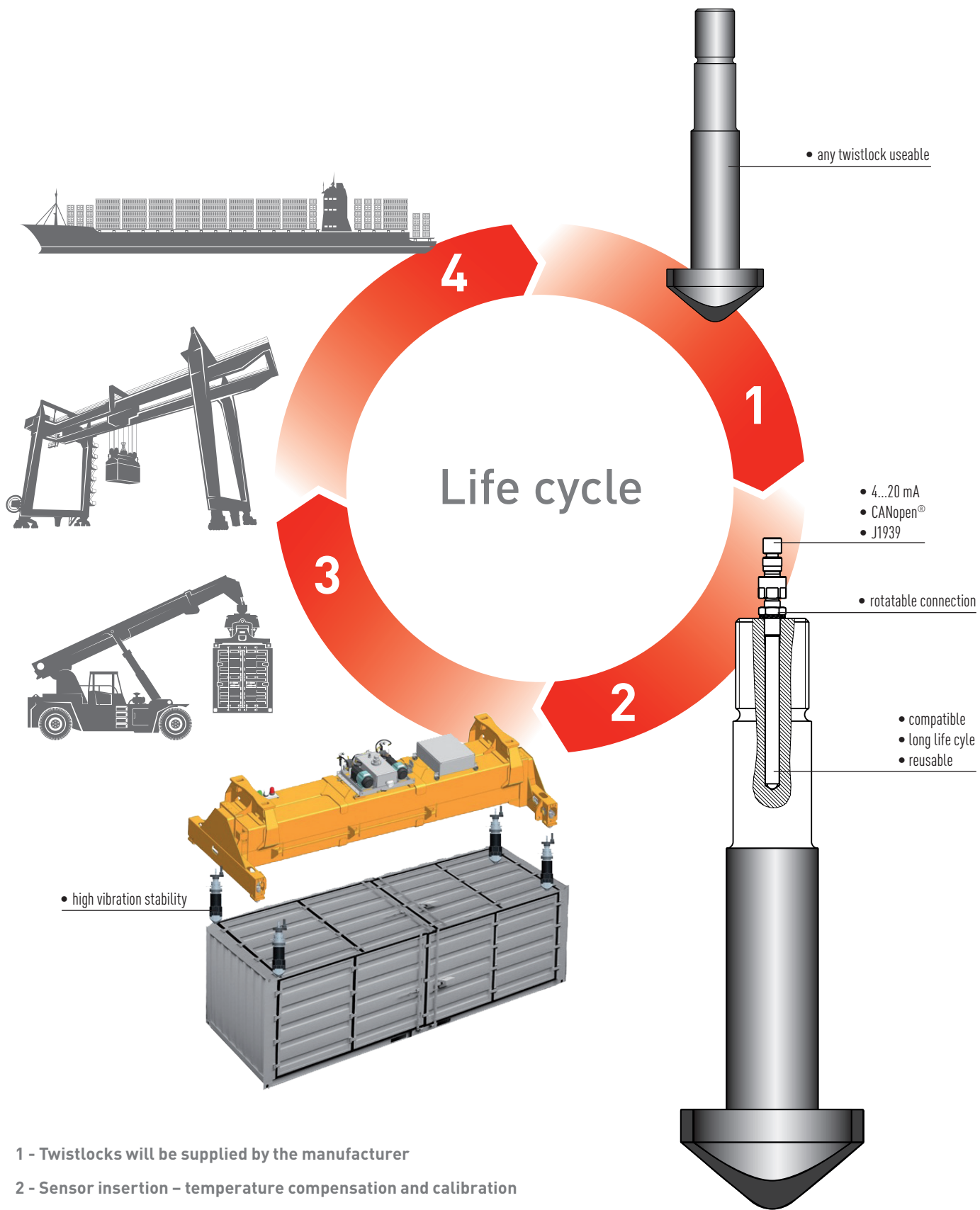
The F9205 twistlock sensor fits all spreader models. Benefits of the patented solution:

- Save time and costs: SOLAS-compliant container weighing according to method 1 with the twistlock sensor during the operation. Additional work steps that require time and costs are not required.
- The sensor element possesses a very good long-term stability, has a small temperature range and a high temperature overload resistance.
- The twistlock sensor is shock and vibration resistant and meets the requirements of IP67 protection. It meets the requirements for harbour and other rough environmental conditions.
- Plug & Play solution: The sensor is directly integrated into the twistlock-pin and supplied as a complete system consisting of a sensor, pin and signal amplifier.

Versatile and easy to retrofit

The tecsis twistlock sensor can easily be integrated into existing measuring systems or control architecture. The output-signal provides an analogue interface (4...20mA), CANopen® or SAEJ1939-interface.





• high vibration stability

• any twistlock useable

• 4...20 mA
• CANopen®
• J1939

• rotatable connection

• compatible
• long life cycle
• reusable

- 1 - Twistlocks will be supplied by the manufacturer
- 2 - Sensor insertion – temperature compensation and calibration
- 3 - Twistlock with sensor mounting in the spreader for weighing the containers
- 4 - Loading and shipment of the weighed containers

Measurement in various applications



Application: Reach Stacker

Stacking and loading of containers.

More and more reach stackers are used in port operations. tecsis force sensors withstand the extremely harsh conditions of vibrations, temperature and load changes without difficulty.



Application: RTG

Flexible and economical container and freight handling: tecsis offers robust force sensors that reliably deliver all data to the evaluation electronics.



Application: Straddle Carriers

Short handling times are particularly important considering the high frequency in container turnover at a port. Therefore, robust load cells with associated overload protection electronics are used in the straddle carriers.

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