



# OIML BASIC CERTIFICATE OF CONFORMITY

OIML Member State  
**SWEDEN**

OIML Certificate N°  
**R60/2000-SE1-17.01 Revision 1**



## Applicant

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## Issuing authority

Name: SP Technical Research Institute of Sweden  
Address: Box 857, SE-501 15 Borås, Sweden  
Person responsible: Lennart Aronsson

Manufacturer of the certified pattern is the applicant.

## Identification of the certified pattern

A compression load cell, equipped with electronics.

Identification of the certified type: Digital load cell  
Type: 0120  
Accuracy class: D(0,23)

Number of verification scale intervals  $n \leq 230$

(Identification continued on next page.)

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation(s) of the International Organization of Legal Metrology (OIML):

R60, edition 2000.

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation(s).

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated test report 6P07480-01-1 dated 2017-01-20. This is the first revision of this certificate. The first issue was issued 2017-01-23. The change in this revision is because of editorial error in identification of the pattern and also an error in the range (Max capacity).

Borås, April 28, 2017

## SP Technical Research Institute of Sweden Certification

Lennart Aronsson

Bengt Gutfelt



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## Identification of the certified pattern

### General description

The load cell type "0120 with three-point-support" is a digital compression load cell, which can be integrated into twistlock applications used in spreaders or headblocks of container handling cranes. The ring-shaped load cell is designed for weighing of containers, but other weighing applications such as measurements in the rope end point or screw force measurements and other mounting positions are possible as well.

### Technical data

Max capacity, $E_{max}$	$10 \text{ t} \leq E_{max} \leq 50 \text{ t}$
Min capacity, $E_{min}$	1,7 % of $E_{max}$
Interval, $N_{max}$	$\leq 230$
Minimum load cell verification interval, $v_{min}$	0,39% of $E_{max}$
EMC class	E2
Temperature range	-20 °C to +60 °C
Power supply	11-30 V DC mains
Apportionment factor ( $\rho_{LC}$ )	0,8

### Interfaces

The load cell may be equipped with the following protective interfaces:

CANopen (DS404), CANopen safety (DS304), PROFINET, PROFINET PROFISAFE and 4...20 mA