OIML BASIC CERTIFICATE OF CONFORMITY

OIML Member State
SWEDEN

OIML Certificate N°
R60/2000-SE1-17.01

Applicant

Name: Brosa AG
Address: Dr.-Klein-Straße 1, D-88069 Tettnang, Germany

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 graduated, self-indicating, electronic, automatic weighing instrument.

Identification of	Digital load cell
the certified type	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 issue of this certificate.

Borås, January 23, 2017

SP Technical Research Institute of Sweden
Certification

Lennart Aronsson

Bengt Gutfelt

1002
ISO/IEC 17065

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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 t ≤E_{max} ≤ 100 t
Min capacity, E_{min}	1,7 % of E_{max}
Interval, N_{max}	≤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 (p_{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

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