# OIML Certificate of Conformity

**OIML Member State**
The Netherlands

Number R60/2000-NL1-17.65
Project number 16200838


| | |
|---|---|
| Issuing authority | NMi Certin B.V.<br>Person responsible: C. Oosterman |
| Applicant and Manufacturer | Dini Argeo S.R.L.<br>Via della Fisica 20<br>41042 - Spezzano di Fiorano (MO)<br>Italy |
| Identification of the certified type | A **shear beam load cell**, with strain gauges<br>Type : SBT |
| Characteristics | See next page |

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R 60** - Edition 2000 (E) for accuracy class C

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified.
This Certificate does not bestow any form of legal international approval.

*Important note:* Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**
14 November 2017

C. Oosterman
Head Certification Board

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OIML MUTUAL ACCEPTANCE ARRANGEMENT

INSPECTION RvA I 122

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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report:
- No. NMi-16200838-01 dated 10 November 2017 that includes 51 pages.

**Characteristics of the load cell:**

| | |
|---|---|
| Maximum capacity ($E_{max}$) | 500 kg up to and including 2500 kg |
| Minimum dead load | 0 kg |
| Accuracy Class | C |
| Rated Output | 2 mV/V |
| Maximum number of load cell intervals (n) (1) | 3000 |
| Ratio of minimum LC Verification interval (1)<br>$Y = E_{max} / v_{min}$ | 10000 |
| Ratio of minimum dead load output return (1)<br>$Z = E_{max} / (2 * DR)$ | 3000 |
| Input impedance | 380 Ω ± 20 Ω |
| Temperature range | -10 °C / + 40 °C |
| Fraction $p_{LC}$ | 0,7 |
| Humidity Class | CH |
| Safe overload | 150 % of $E_{max}$ |
| Output impedance | 350 Ω ± 5 Ω |
| Recommended excitation | 10 V AC / DC |
| Excitation maximum | 15 V AC / DC |
| Transducer material | Alloy steel |
| Atmospheric protection | Potted IP67 |

Remark:
1. The characteristics for $n_{max}$, Y and Z can be reduced separately.

Each load cell produced is provided with an accompanying document with information about its characteristics.

The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the MAA Declaration of Mutual Confidence:
- R 60 DoMC-01 rev.0, Additional requirements from the United States;
- R 60 DoMC-02 rev.0, Additional requirements from the United States.