



Date:  
26.03.2018

**TEST REPORT No 63/BL/2018**

Title: Periodic testing of diameters and fittings.  
ad. Order of 14.03.2018  
PA Order int. No 559259 of 20.03.2018

1. Customer name and address:  
CODIMEX Sp. z o.o.  
Ul. Czerwonych maków 12/33, 01-493 Warszawa,
2. Name of representative  
Andrzej Kawalec, Robert Reszka
3. Date of Order and samples receiving:  
15.03.2018
4. Subject of work according to the Order
  - 4.1. Name of materials/samples:  
3 pcs. Diameter meters, 3 pcs. Fittings
  - 4.2. Scope of tests:
    - Cyclic measurement of diameters (scale resistance to abrasion)
    - Deflection at a maximum force of 900 N
5. Start and finish date of test:  
15.03.2018
6. The Test Report includes the test results obtained within the scope of not accredited.
7. We declare that the results of study presented in this Test Report refer to tested samples have received with this order only.
8. Without written agreement of „LABGUM” Testing Laboratory management, this Test report may copy only on the whole.

## 9. Results/methods of test, standard No/:

No	Property determination	Test result	Test method Standard No
1	2	3	4
1	Periodic test of the diameters scale (measuring range up to 600 mm, dimensions: total length approx. 830 mm, jaw length approx. 320 mm, cross-section of ruler - rectangle 25x15 mm Test conditions: 100,000 cycles, amplitude 150 mm, frequency 0.5 Hz	No changes on the tested scale section *1	Own method of OEITG
2	Examination of deflection of aluminum fittings with a rectangular cross-section of 25x15 mm, wall thickness of 2 mm and a length of approx. 30 cm. Conditions: the samples were treated with a maximum force of 900 N mm	0.2 – 0.3 *2	Own method of OEITG

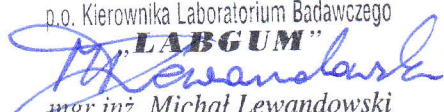
## 9. Other information:\*

\*1 - handles were attached to the diameters with which they were installed to the testing machine. A cyclic test was carried out to determine the digestibility of the measurement scale. 100,000 cycles were performed with an amplitude of 150 mm and a frequency of 0.5 Hz. The result is shown in the table above (item 1).

\*2 - 3 sets of 3 samples length of approx. 30 cm were prepared for the study. The measuring system consisted of a measuring head and an extensometer integrated with the machine.

The sample was placed on a forked support (distance of brackets 10 cm) and pressed with a squeegee element 6x20 mm halfway along its length. The sample was operated at a maximum force of 900 N. The table above indicates the minimum and maximum deflection value of the sample (item 2).

AUTHORIZED

p.o. Kierownika Laboratorium Badawczego  
  
 mgr inż. Michał Lewandowski