



**NATIONAL STANDARDS COMMISSION**  
**WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS**

**REGULATION 9**

**SUPPLEMENTARY CERTIFICATE OF APPROVAL No S150**

This is to certify that an approval has been granted by the Commission that the pattern and variant of the

Molenschot Model SSS-M-5-A-C3 Load Cell

submitted by Jan Molenschot & Zoon bv  
Teteringsedijk 53  
4817 MA Breda, Holland

are suitable for use for trade, when used in a Commission-approved weighing instrument.

The approval is subject to review on or after 1/2/89.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S150 in addition to the approval number of the instrument. Instruments currently marked PS150 are to have this number changed at their next verification.

The approval may be withdrawn if load cells are used other than in accordance with the drawings and specifications lodged with the Commission.

**Conditions of Approval**

1. The number of scale intervals applicable to the whole instrument shall be no greater than the number of verification scale intervals approved for the basework, or the load cell(s) (1500e), or the headwork, whichever is the smallest.
2. The load cells to be used shall be subject to regular certification by the Commission.

Signed

Executive Director

**Descriptive Advice**

**Pattern:** provisionally approved 13/4/83 - approved 24/1/84

- . Molenschot model SSS-M-5-A-C3 load cell of 5 t capacity.

Variant:           provisionally approved 13/4/83 - approved 24/1/84

1.       With "explosion-proof" construction, and known as a model SSS-M-5-EEEx.

Technical Schedule No S150 dated 6/5/83 describes the pattern and variant.

Filing Advice

Certificate of Approval No PS150 and Technical Schedule No S150 both dated 6/5/83, and which gave provisional approval only, are superseded by this documentation and may be destroyed. Figures 1 to 3 dated 6/5/83 should be retained.

The documentation for this approval now comprises:

    Certificate of Approval No S150 dated 27/2/84  
    Technical Schedule No S150 dated 27/2/84 (including Table 1)  
    Figures 1 to 3 dated 6/5/83.



# NATIONAL STANDARDS COMMISSION

## TECHNICAL SCHEDULE No S150

Pattern: Molenschot Model SSS-M-5-A-C3 Load Cell of 5 t Capacity

Submittor: Jan Molenschot and Zoon bv  
Teteringsedijk 53  
4817 MA Breda, Holland.

### 1. Description of Pattern

The pattern is a Molenschot model SSS-M-5-A-C3 load cell of 5 t capacity (see Figure 1 and Table 1) and is assembled in a Commission-approved basework.

#### 1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in one of the methods illustrated in Figures 2 and 3.

#### 1.2 Marking

The following is the minimum data required to be marked on the load cell:

Manufacturer's name or mark	
Model number	SSS-M-5-A-C3
Serial number	
Maximum rated capacity	5 t
Approval number	NSC No S150

TABLE 1

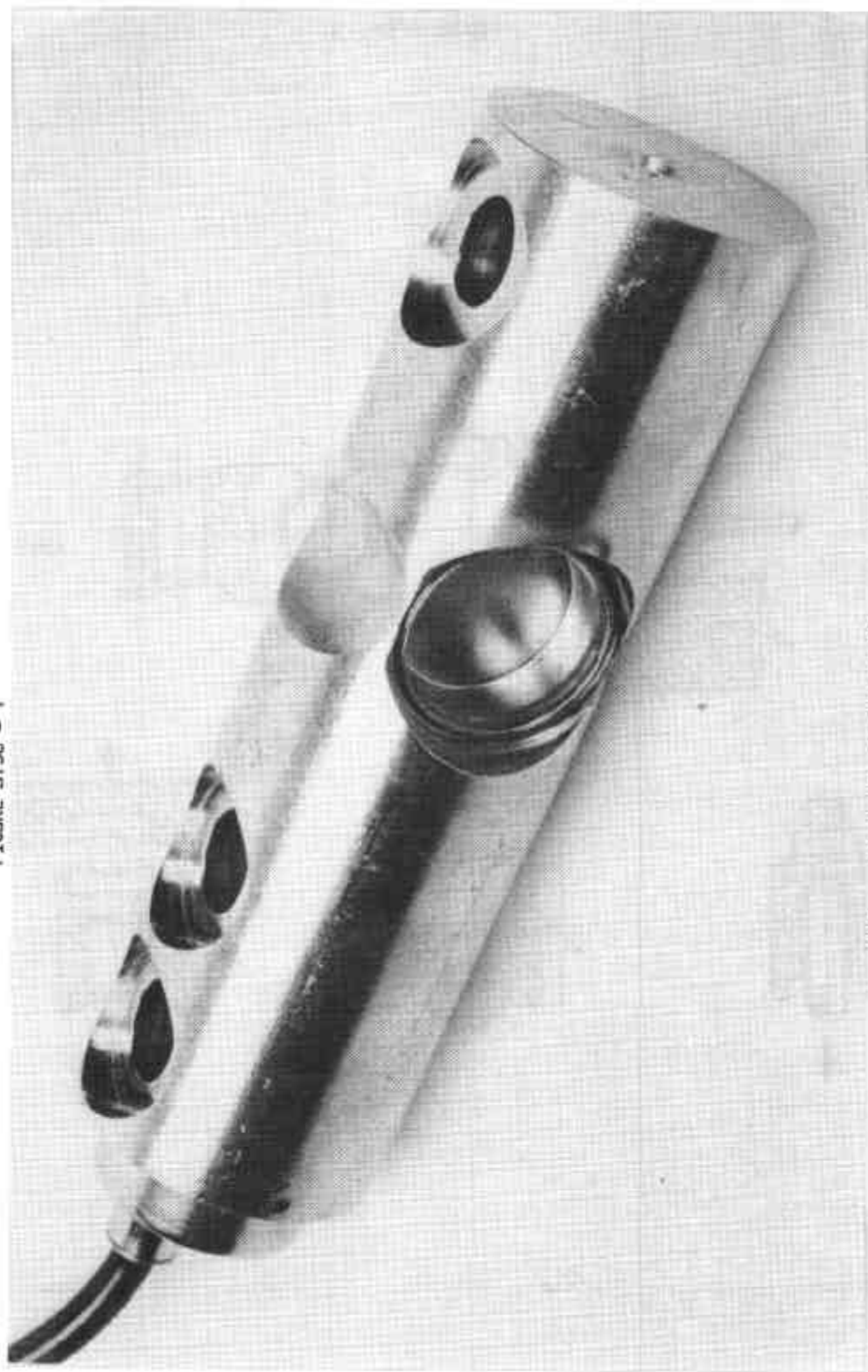
Type: Molenschot SSS-M-5-A-C3	
Maximum capacity	5 t
Maximum number of verification scale intervals	1500
Minimum dead load	0.5 t
Minimum value of verification scale interval	0.5 kg
Input impedance (nominal)	350 $\Omega$
Supply voltage (AC or DC) (nominal)	15 V
Output rating (nominal)	2 mV/V
Cable length ( $\pm 0.1$ m)	9 m
Number of leads	4*

\*There is also a shield cable.

### 2. Description of Variant 1

The load cell in an "explosion-proof" construction and known as a model SSS-M-5-EEEx.

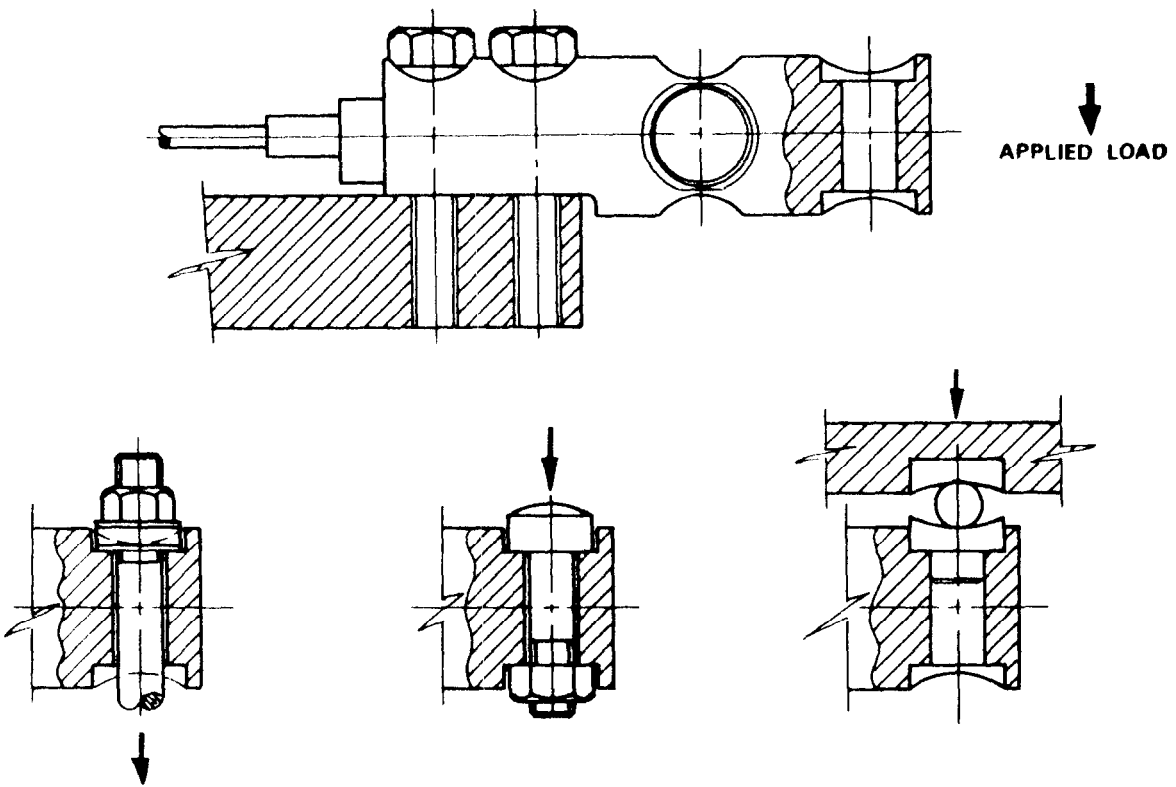
FIGURE S150 - 1



Molerscot Model SSS-M-5-A-C3

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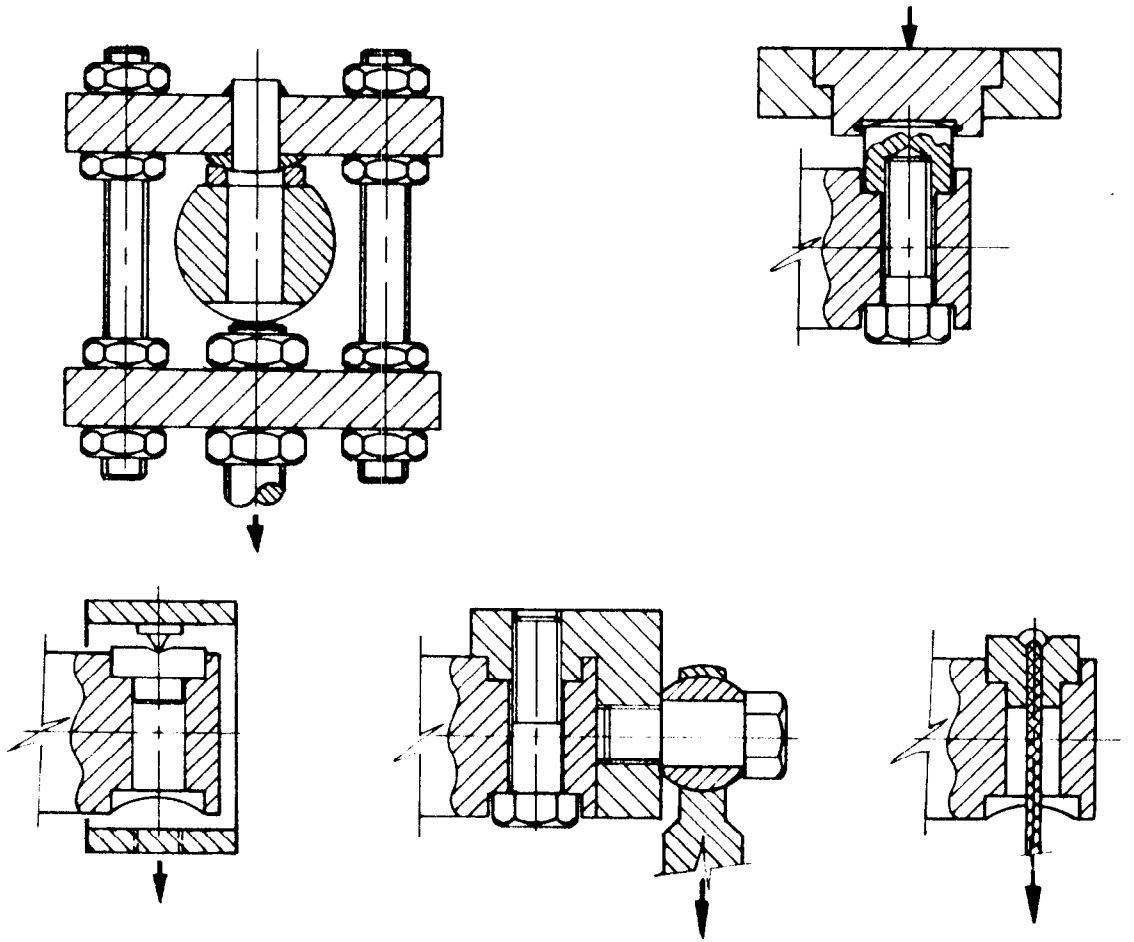
FIGURE S150 - 2



Alternative Load Cell Fittings - (A) to (C)

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FIGURE S150 - 3



Alternative Load Cell Fittings - (D) to (H)

6/5/83