

S133B  
7 May 2003



## National Standards Commission

12 Lyonpark Road, North Ryde NSW

### Cancellation

### Supplementary Certificate of Approval No S133B

This is to certify that the approval for use for trade granted in respect of the  
Molen Model CSP-M-25t-C3-SC-SS Load Cell

submitted by Molen  
Teteringsedijk 53  
4817 MA Breda  
The Netherlands

has been cancelled in respect of new instruments as from 1 July 2003.

Signed by a person authorised under Regulation 60  
of the National Measurement Regulations 1999 to  
exercise the powers and functions of the  
Commission under this Regulation.

A handwritten signature in black ink, appearing to be 'J. H. B.', written on a light-colored background.

## National Standards Commission



### Supplementary Certificate of Approval

#### No S133B

Issued under Regulation 9  
of the  
National Measurement (Patterns of Measuring Instruments) Regulations

This is to certify that an approval for use for trade has been granted in respect of the

Molen Model CSP-M-25t-C3-SC-SS Load Cell

submitted by Molen  
Teteringsedijk 53  
4817 MA Breda  
The Netherlands

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This Certificate is issued upon completion of a review of NSC approval No S133A.

#### CONDITIONS OF APPROVAL

This approval is subject to review on 1 September 2001, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S133B and only by persons authorised by the submitter.

.../2

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

#### DESCRIPTIVE ADVICE

**Pattern:** approved 12 August 1996

- A Molen model CSP-M-25t-C3-SC-SS load cell of 25 000 kg maximum capacity.

**Variant:** approved 12 August 1996

1. A model CSP-M-25t-C3MB-SC-SS as listed in Table 2.

Technical Schedule No S133B describes the pattern and variant 1.

#### FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S133B dated 24 December 1996  
Technical Schedule No S133B dated 24 December 1996 (incl. Tables 1 & 2)  
Figures 1 to 9 dated 24 December 1996

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

## National Standards Commission

### TECHNICAL SCHEDULE No S133B

**Pattern:** Molen Model CSP-M-25t-C3-SC-SS Load Cell.

**Submitter:** Molen  
Teteringsedijk 53  
4817 MA Breda  
THE NETHERLANDS

#### 1. Description of Pattern

A Molen model CSP-M-25t-C3-SC-SS (#) load cell of 25 000 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 3 000 verification scale intervals.

##### 1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figures 2 to 9.

##### 1.2 Markings

Each load cell shall carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	
Model number	
Serial number	
Pattern approval mark	NSC No S133B
Maximum rated capacity	Max ..... kg

#### 2. Description of Variant 1

A Molen model CSP-M-25t-C3MB-SC-SS (#) load cell of 25 000 kg maximum capacity. This model has the same physical appearance as the pattern, but is approved for the values listed in Table 2.

(#) The model number for the pattern or variant 1 may be without the -SS suffix (for load cells in a painted rather than a stainless steel housing), and either of these model numbers may have an additional suffix, viz -EEx(i) for cells in an intrinsically safe construction, or EEx(d) for cells in a pressure safe construction.

TABLE 1

Type: CSP-M-25t-C3-SC-SS

Maximum capacity	25 000	kg
Maximum number of verification scale intervals	3 000	
Minimum value of verification scale interval	2.21	kg
Minimum dead load output return for multiple-range instruments (DR)	4.2	kg
Output rating (nominal)	2.0	mV/V
Input impedance (nominal)	450	$\Omega$
Supply voltage (AC or DC)	10-20	V
Cable length ( $\pm 0.1$ m)	19.8	m
Number of leads (plus shield)	4	

TABLE 2

Type: CSP-M-25t-C3MB-SC-SS

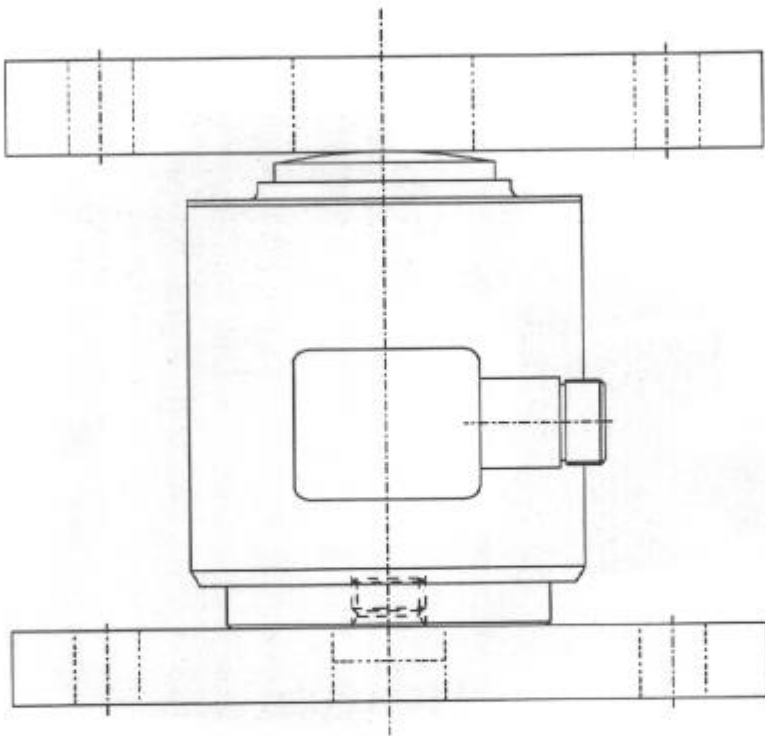
Maximum capacity	25 000	kg
Maximum number of verification scale intervals	3 000	
Minimum value of verification scale interval	1.25	kg
Minimum dead load output return for multiple-range instruments (DR)	2.8	kg
Output rating (nominal)	2.0	mV/V
Input impedance (nominal)	450	$\Omega$
Supply voltage (AC or DC)	10-20	V
Cable length ( $\pm 0.1$ m)	19.8	m
Number of leads (plus shield)	4	

FIGURE S133B — 1



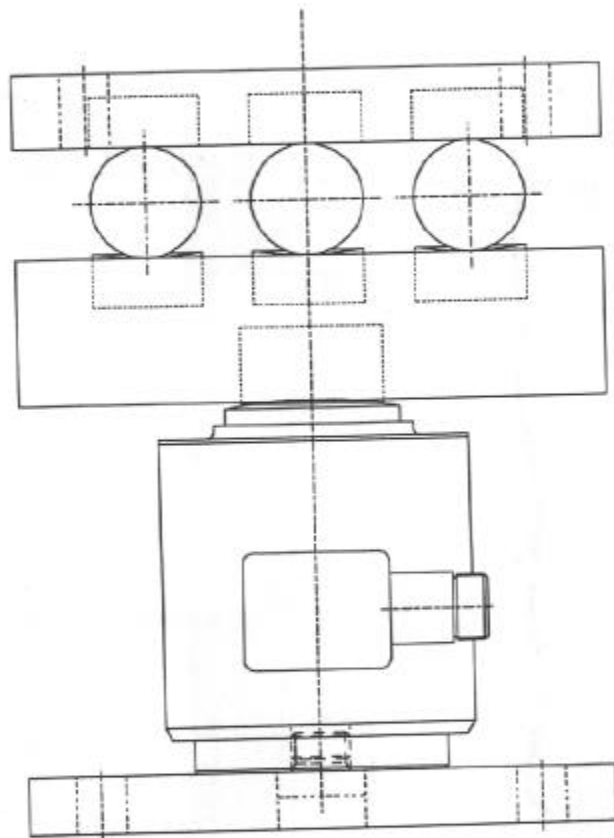
Molen Model CSP-M-25t-C3-SC-SS Load Cell

FIGURE S133B — 2



Typical Mounting Method

FIGURE S133B — 3

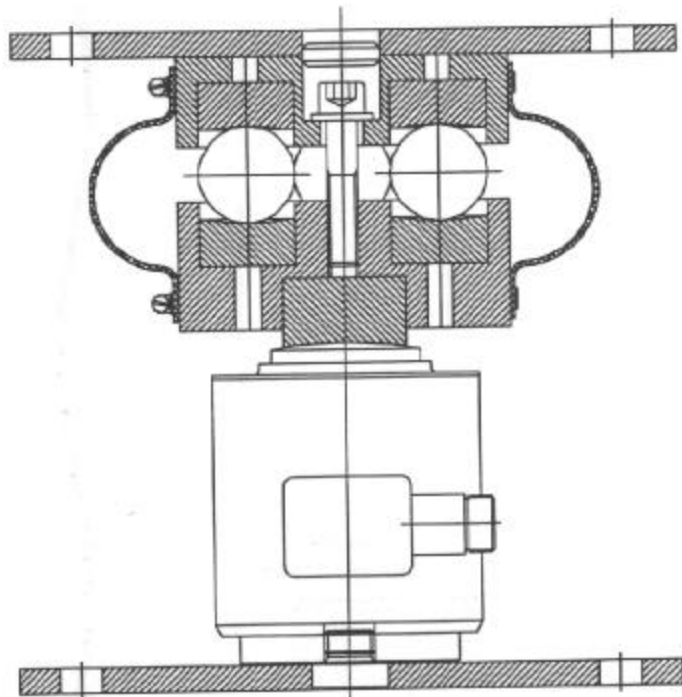


Alternative Mounting Method



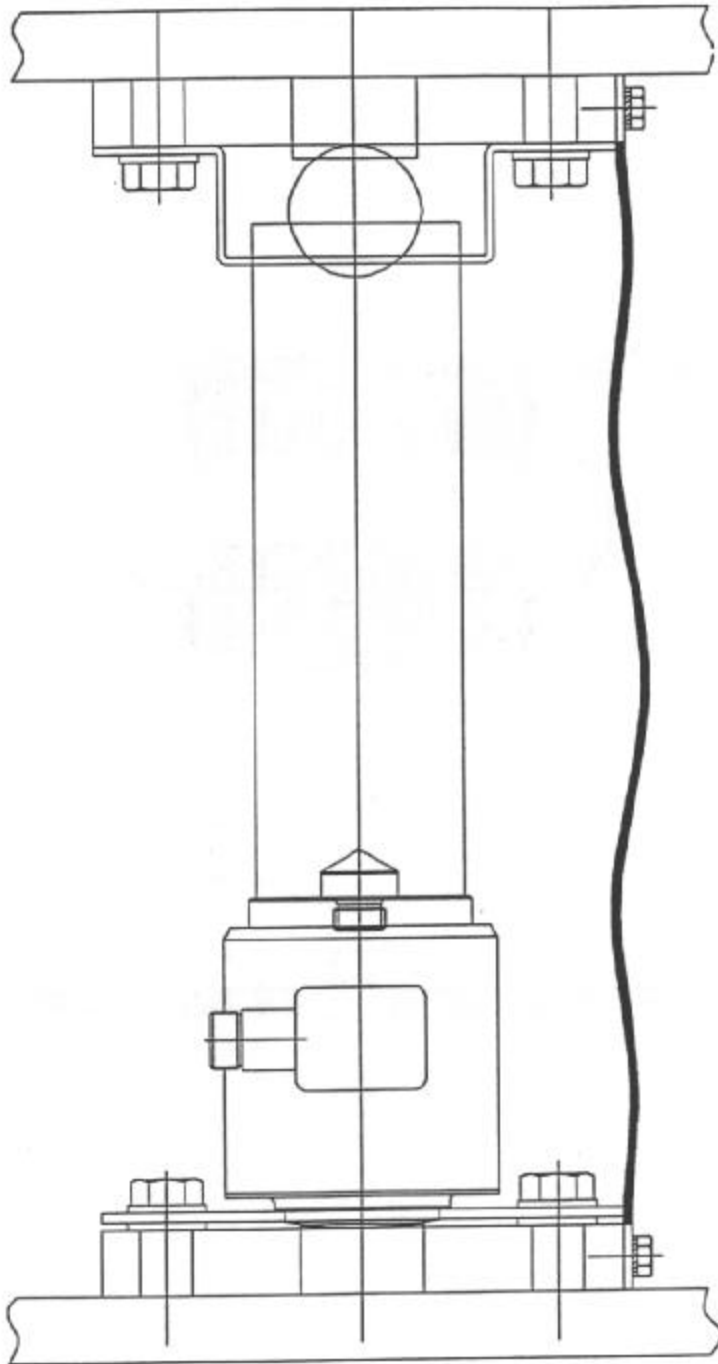


FIGURE S133B — 5



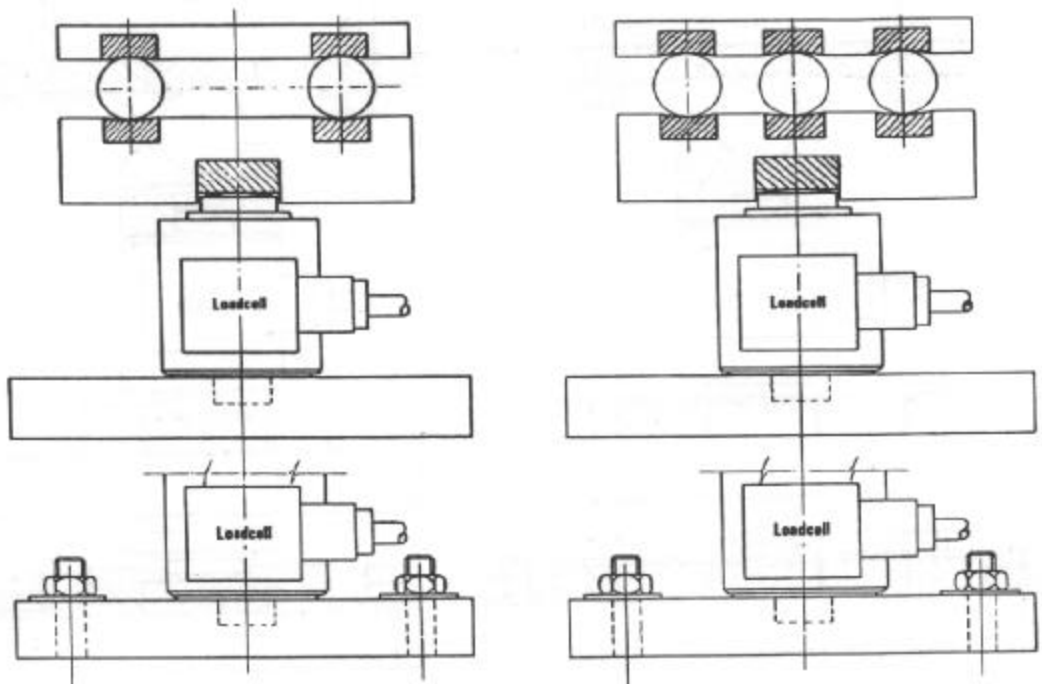
Alternative Mounting Method

FIGURE S133B — 6



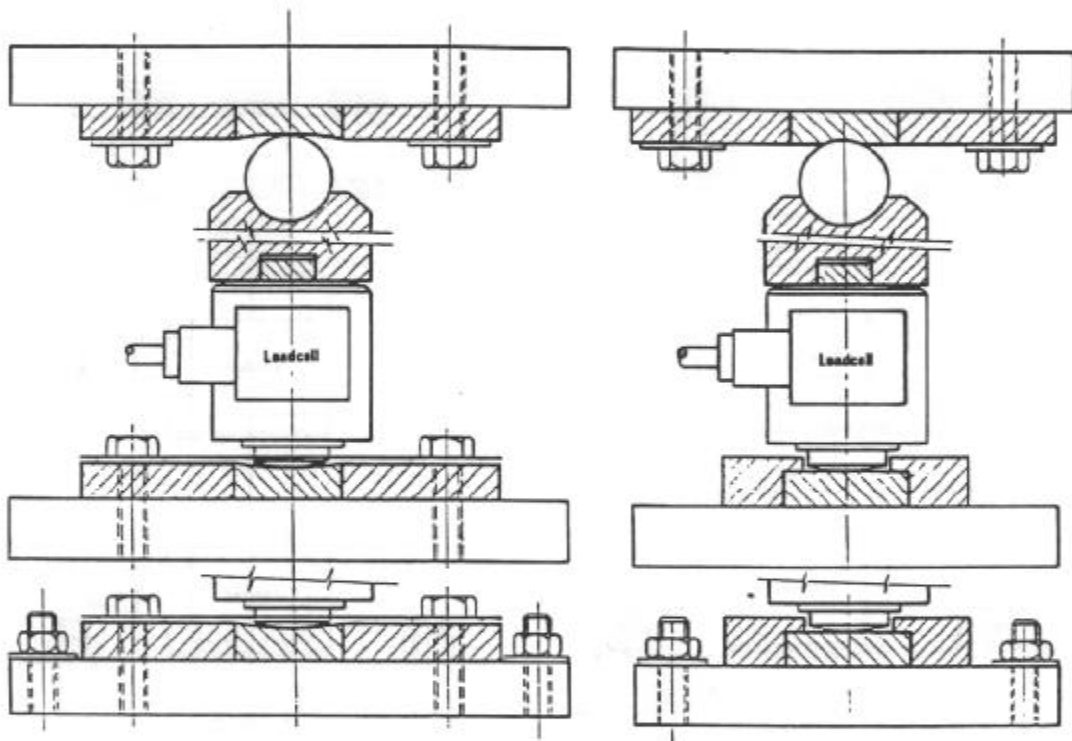
Alternative Mounting Method

FIGURE S133B — 7



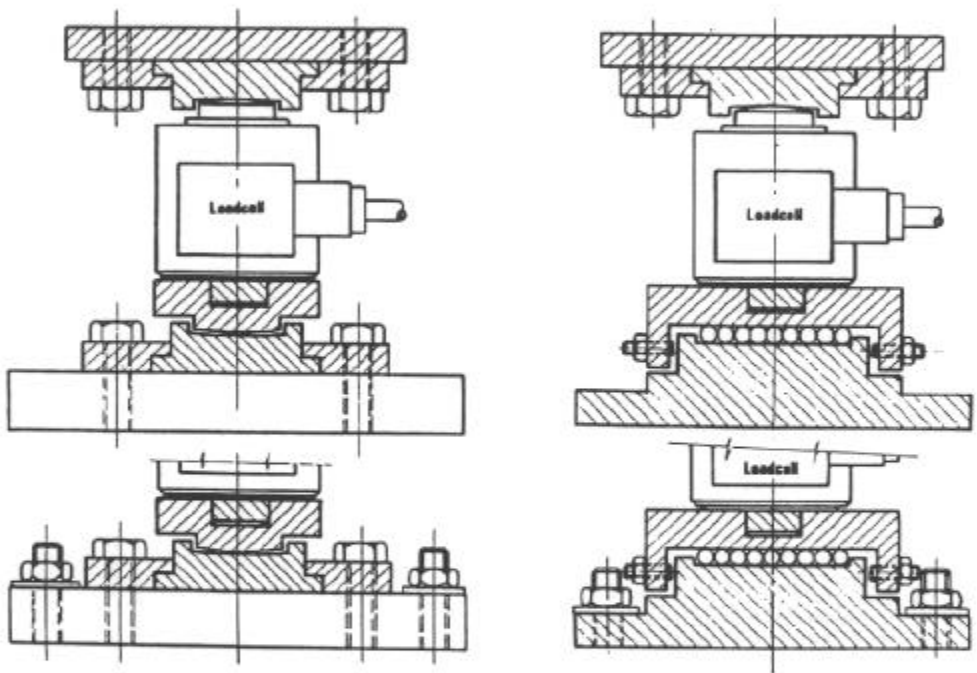
Alternative Mounting Method

FIGURE S133B — 8



Alternative Mounting Method

FIGURE S133B — 9



Alternative Mounting Method