



National Standards Commission

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S133A

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

Molen Model CSP-M-25-A Load Cell

submitted by Jan Molenschot and Zoon bv
Teteringsedijk 53
4817 MA Breda Holland.

This Certificate is issued upon completion of a review of NSC approval No S133.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/94.
This approval expires in respect of new instruments on 1/10/95.

Load cells purporting to comply with this approval shall be marked NSC No S133A and only by persons authorised by the submitter.

This approval may be withdrawn if load cells are constructed other than in accordance with the drawings and specifications lodged with the Commission and/or perform other than in accordance with these approval documents.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating these load cells shall be within the limits specified in this approval and in any approval documentation for the other components, excepting any limitations imposed by mechanical indicators on mechanical baseworks in such documentation.

The load cells shall be subject to regular certification by the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 1/9/89

- A Molen model CSP-M-25-A load cell of 25 000 kg maximum capacity.

Variant: approved 1/9/89

1. With "explosion-proof" construction and known as a model CSP-M-25-EEx.

Technical Schedule No S133 describes the pattern and variant 1.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S133A dated 18/12/89
Technical Schedule No S133A dated 18/12/89 (incl. Table 1)
Figures 1 to 4 dated 18/12/89



National Standards Commission

TECHNICAL SCHEDULE No S133A

Pattern: Molen Model CSP-M-25-A Load Cell.

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

1. Description of Pattern

The pattern is a Molen model CSP-M-25-A load cell of 25 000 kg maximum capacity (refer Figure 1 and Table 1).

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 to 4.

1.2 Markings

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

Manufacturer's name or mark	
Model number	
Serial number	
NSC approval number	NSC No S133A
Maximum rated capacity	

2. Description of Variant 1

In an "explosion-proof" construction and known as a model CSP-M-25-EEEx.

TABLE 1

Type:	Molen model CSP-M-25	
Maximum capacity		25 000 kg
Maximum number of verification scale intervals	(a)	3000
	(b)	3000
Minimum value of verification scale interval	(a)	0.883 kg
	(b)	2.210 kg
Output rating (nominal)		2.0 mV/V
Input impedance (nominal)		450 ohms
Supply voltage (AC or DC)		10-20 V
Cable length (\pm 0.1 m)		19.8 m
Number of leads (plus shield)		4

(a) Instruments with automatic zero track.

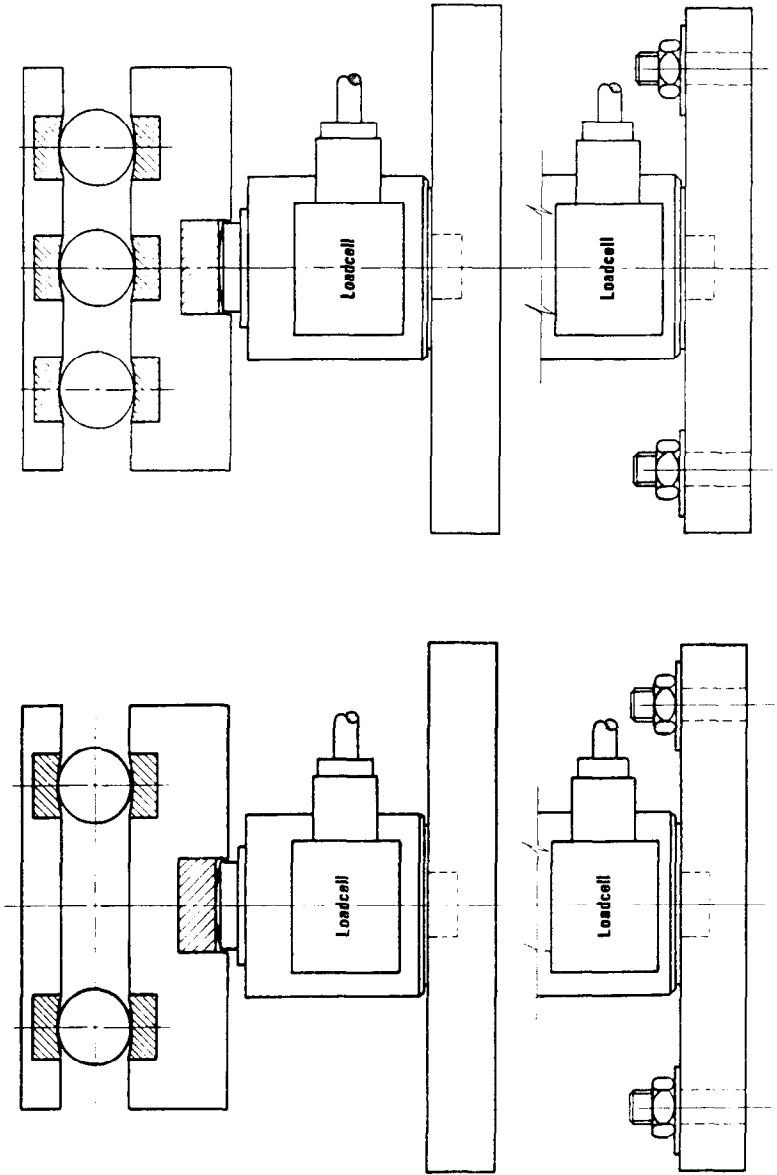
(b) Instruments without automatic zero track.

Figure S133A - 1



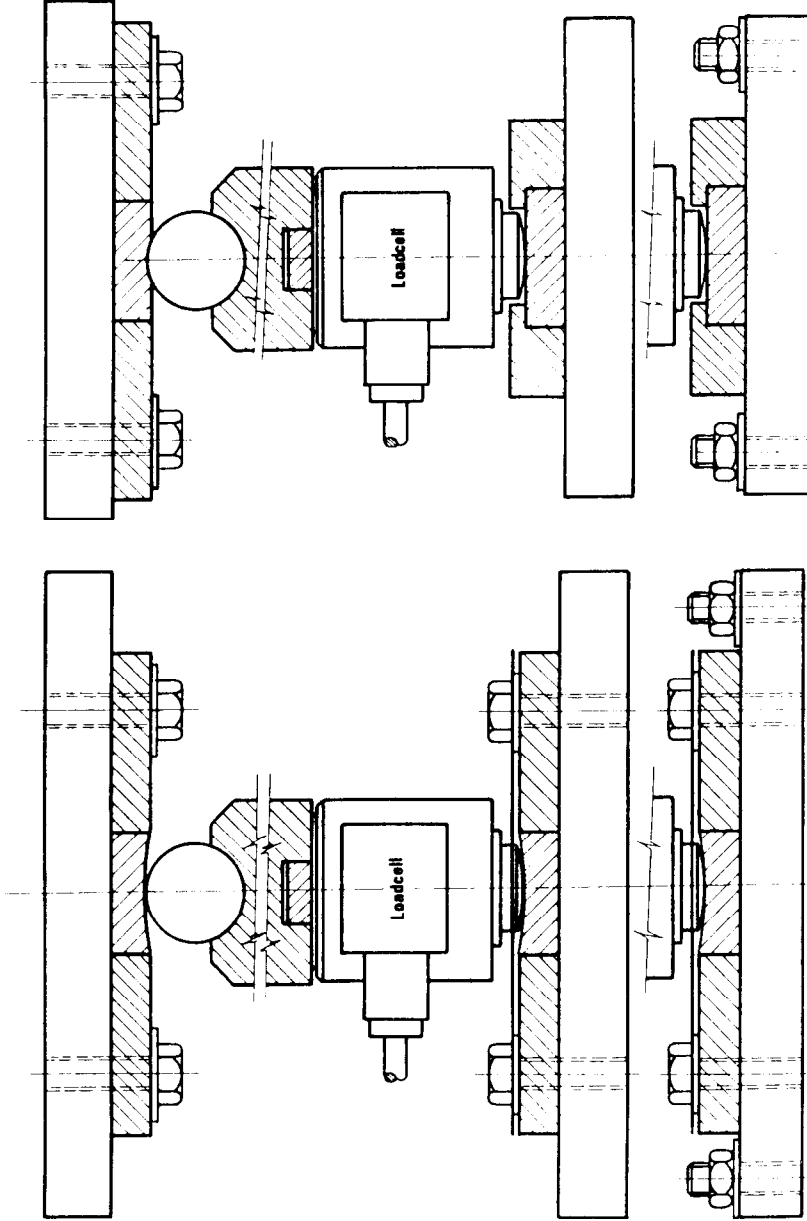
Molten Model CSP-M25-A Load Cell

Figure S133 - 2



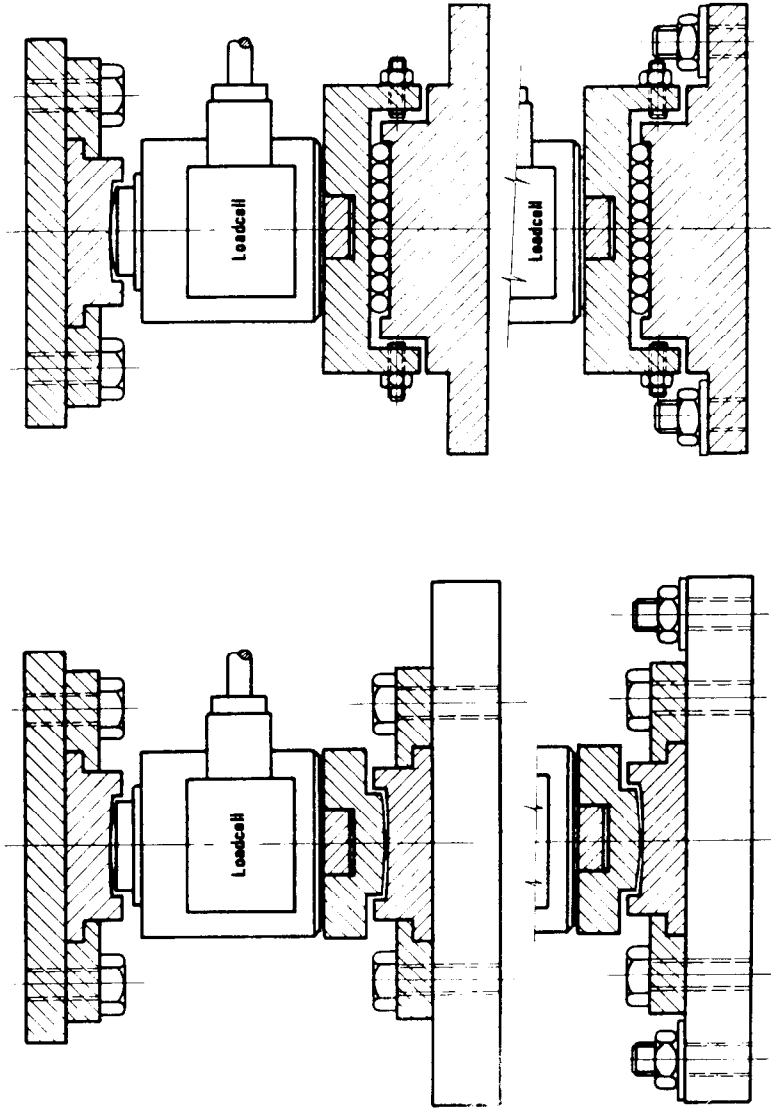
Alternate Methods of Mounting

Figure S133A - 3



Alternate Methods of Mounting

Figure S133A - 4



Alternate Methods of Mounting