

National Standards Commission



Supplementary Certificate of Approval

No S316

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

GEC Avery Model 8708 Load Cell

submitted by GEC Avery Australia Limited
12 Rachael Close
Silverwater NSW 2141.

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.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 December 1998.
This approval expires in respect of new instruments on 1 December 1999.

Instruments purporting to comply with this approval shall be marked NSC No S316 and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S316 in addition to the approval number of the instrument.

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 values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

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

DESCRIPTIVE ADVICE

Pattern: approved 8 November 1993 (S176A)
re-approved 15 March 1995 (S316)

. A GEC Avery model 8708 load cell of 750 kg capacity.

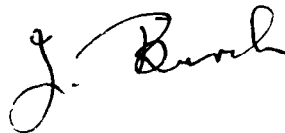
Technical Schedule No S316 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S316 dated 17 April 1995
Technical Schedule No S316 dated 17 April 1995 (incl. Table 1)
Figures 1 to 5 dated 17 April 1995

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





National Standards Commission

TECHNICAL SCHEDULE No S316A

Pattern: GEC Avery Model 8708 Load Cell.

Submitter: GEC Avery Australia Limited
12 Rachael Close
Silverwater NSW 2141.

1. Description of Pattern

The pattern is a GEC Avery model 8708 load cell of 750 kg capacity (refer Figure 1 and Table 1) approved for use with a maximum of 1000 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 5.

NOTE: Figure 3 includes a mounting method that could be used for overhead track weighing instruments, however this shall only be used in such instruments which have been Commission-approved for use with these load cells.

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 S316
Maximum rated capacity	

TABLE 1

Type: GEC Avery 8708	
Maximum capacity	750 kg
Maximum number of verification scale intervals	1000
Minimum value of verification scale interval	0.19 kg
Minimum dead load output return for multi-range instruments (DR)	0.311 kg
Output rating (nominal)	1.75 mV/V
Input impedance (nominal)	390 Ω
Supply voltage (AC or DC)	10-17 V
Cable length (nominal)	4 m
Number of leads (plus shield)	4

National Standards Commission



Notification of Change Supplementary Certificate of Approval No S316 Change No 1

The following changes are made to the approval documentation for the

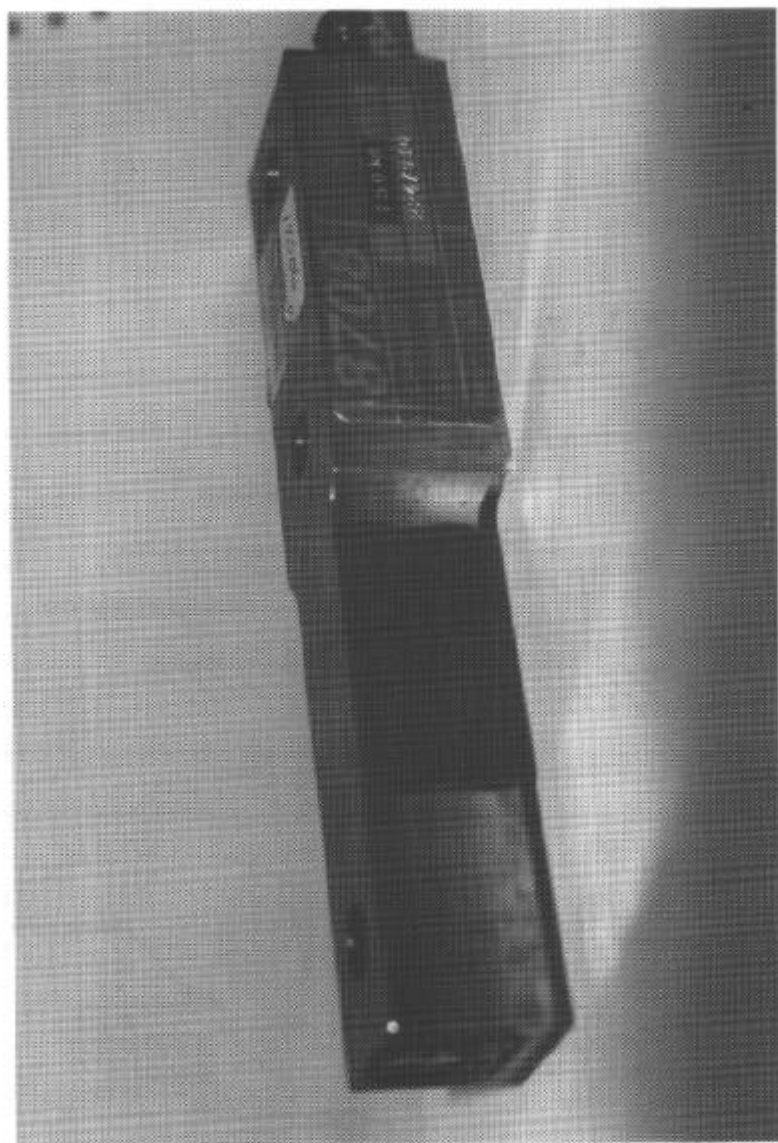
GEC Avery Model 8708 Load Cell

submitted by GEC Avery Australia Limited
 12 Rachael Close
 Silverwater NSW 2141.

- A. In Supplementary Certificate of Approval No S316 dated 17 April 1995, the reference to 'Figures 1 to 5 dated 17 April 1995' in the FILING ADVICE on page 2, should be amended to read 'Figures 1 to 3 dated 11 July 1997'.
- B. In Technical Schedule No S316 dated 17 April 1995, the references to 'S316A' at the top of the page, should be amended to read 'S316'.
- C. In Technical Schedule No S316 dated 17 April 1995 clause **1.1 Method of Mounting**, the reference to 'Figures 2 to 5' in the first paragraph should be amended to read 'Figures 2 and 3', and the reference to 'Figure 3' in the NOTE, should be amended to read 'Figure 2'.
- D. Figures 1 to 5 dated 17 April 1995, should be replaced by the Figures numbered 1 to 3, which are attached herein.

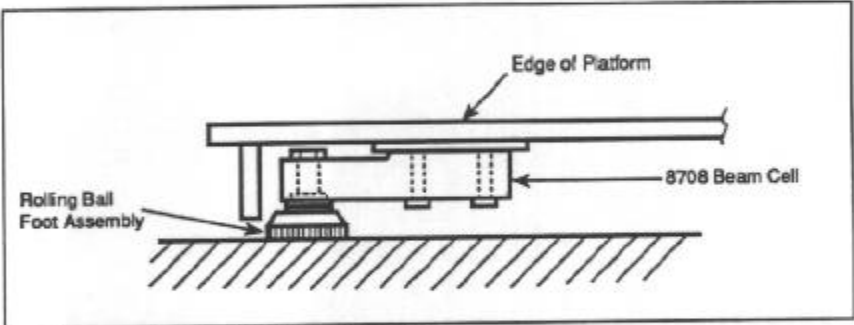
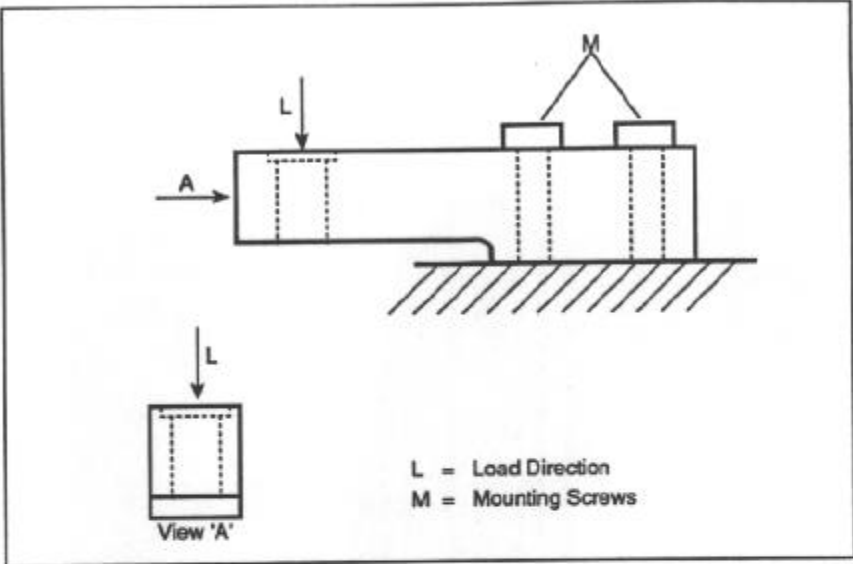
Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

FIGURE S316 - 1

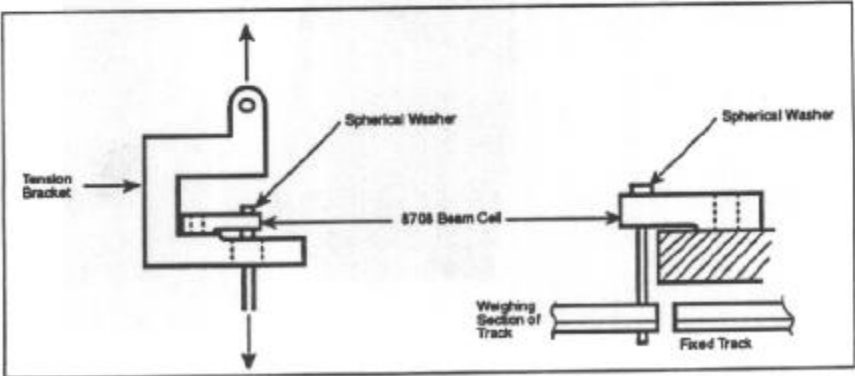


GEC Avery Model 8708 750kg Load Cell

FIGURE S316 – 2



Loading example - Low Profile Platform Scale.

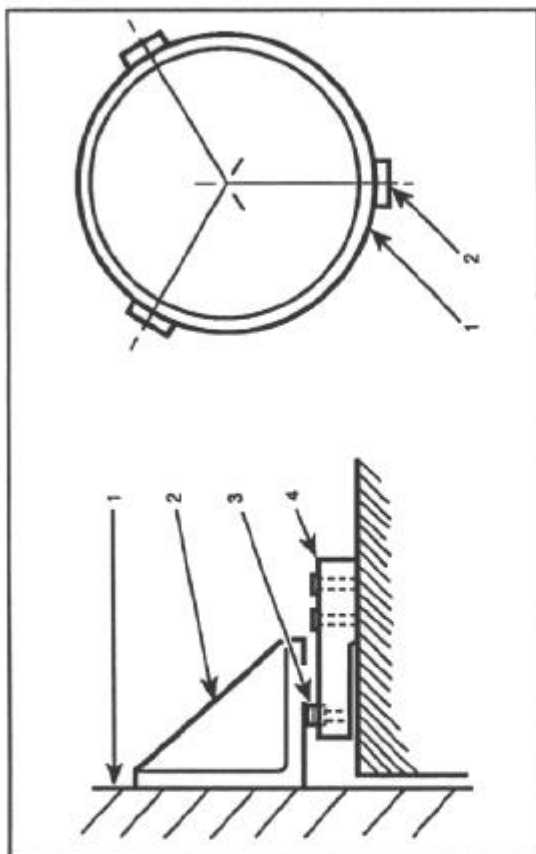


Loading example - Overhead Track Scale.

FIGURE S316 - 3

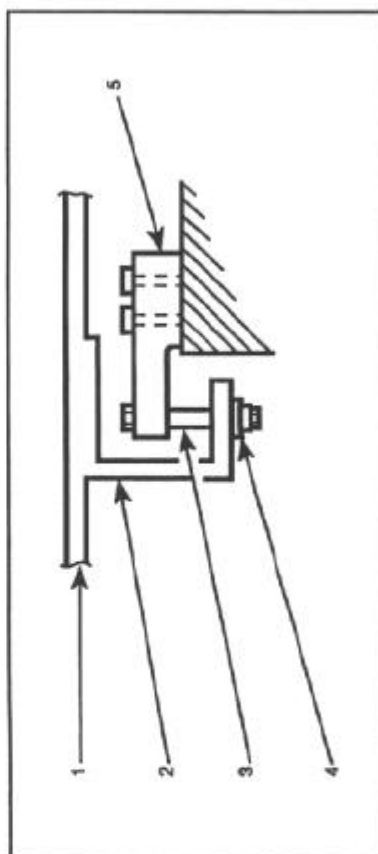
Tank or Hopper Weigher - Compression

1. Tank or Hopper.
2. Tank Support Bracket.
3. Load Button Insert.
4. 8708 Beam



Platform or Tank Weigher - Tension

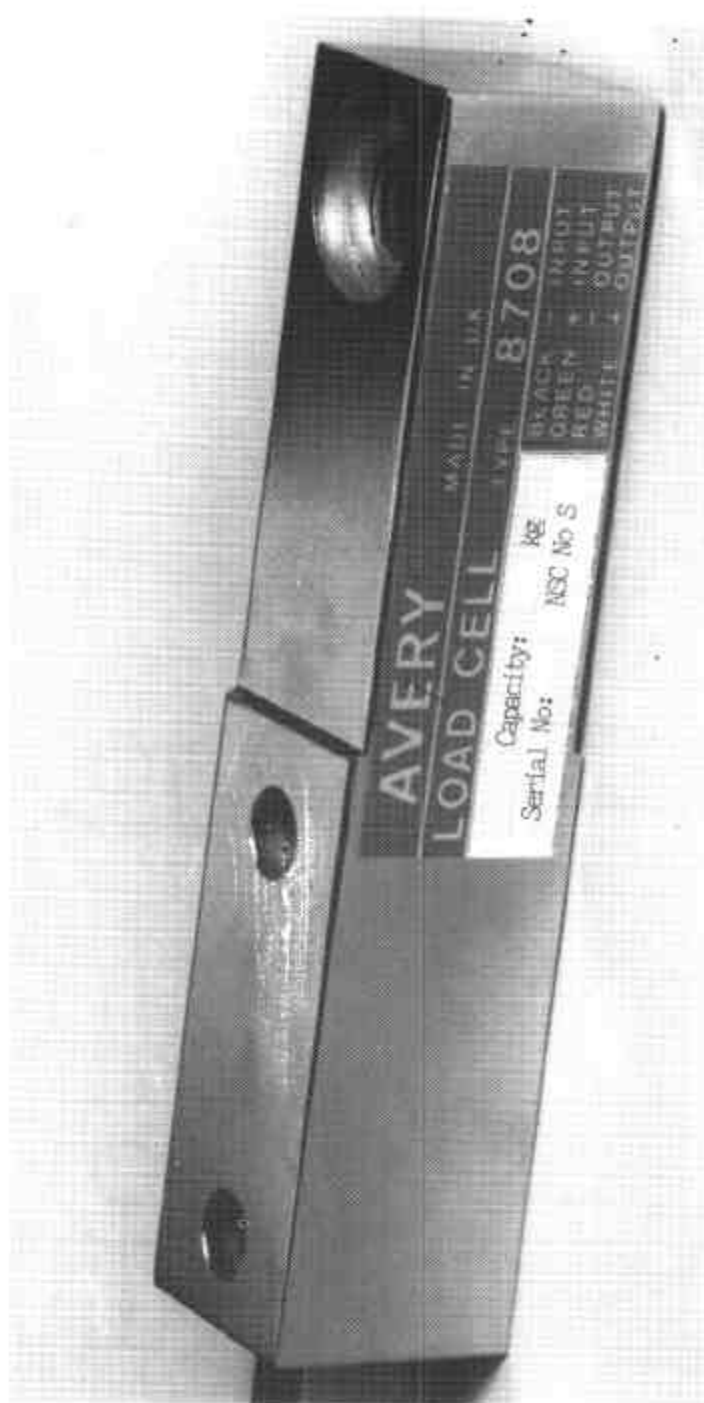
1. Platform or Container Base.
2. Loading Bracket.
3. Tension Link.
4. Spherical Washer.
5. 8708 Beam Cell.



Dimensions

Alternative Mounting Methods - Model 8708 750kg

FIGURE S316 - 1



GEC Avery Model 8708 Load Cell

FIGURE S316 - 2

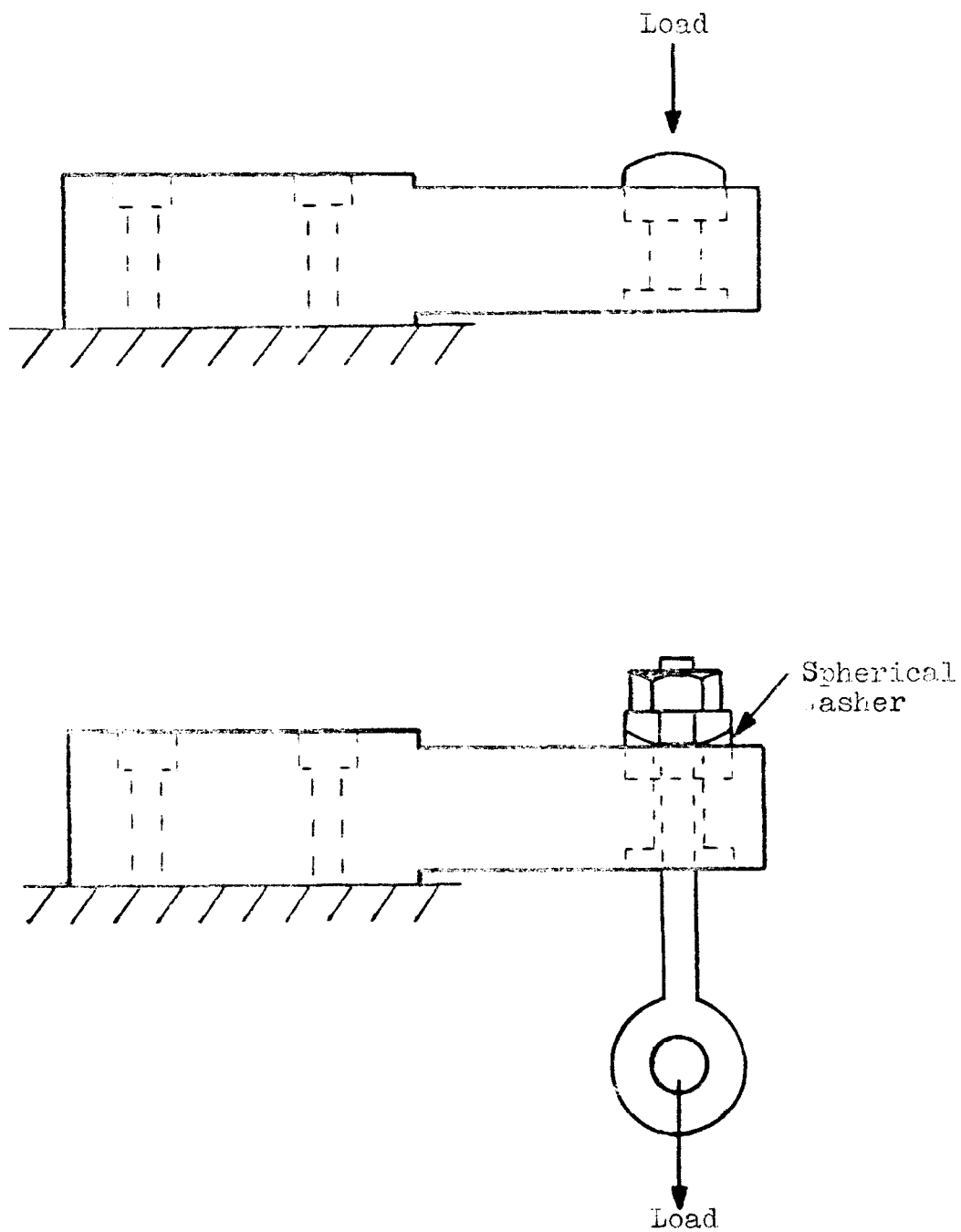
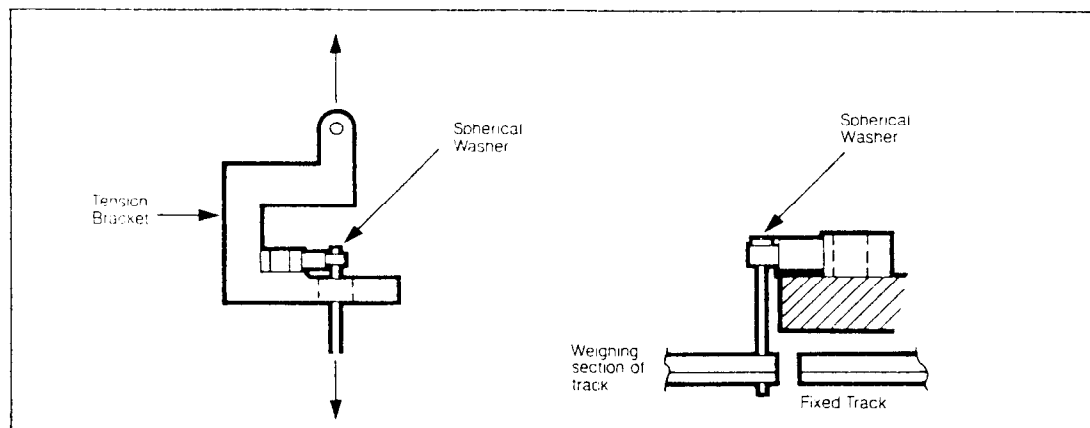
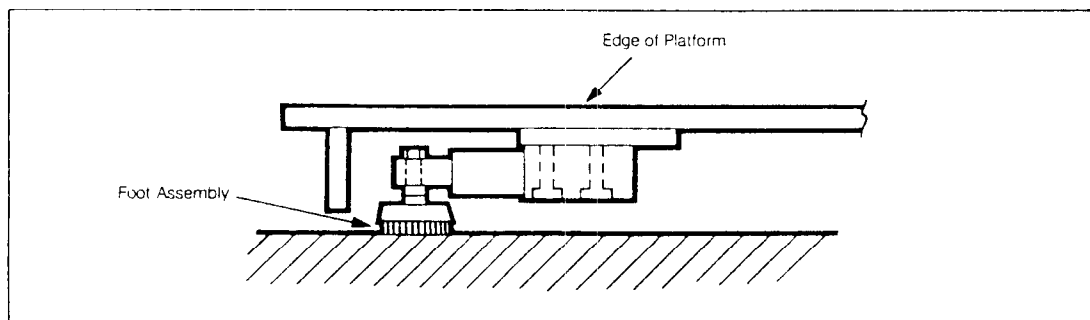


FIGURE S316 - 3



Overhead Track Scale



Low Profile Platform Scale

FIGURE S316 - 4

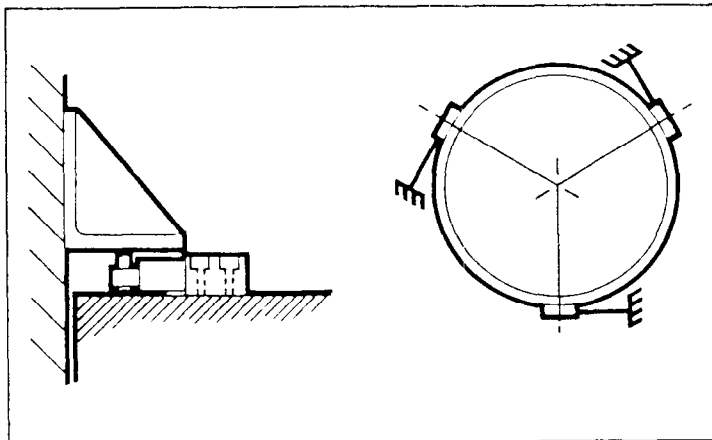
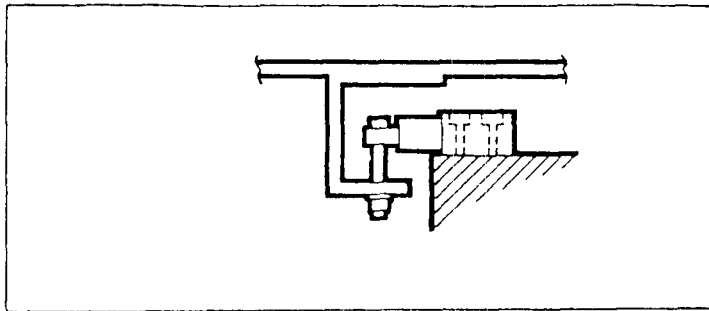
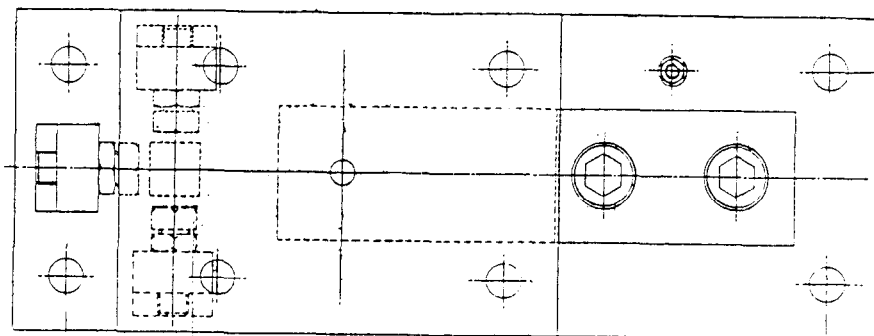
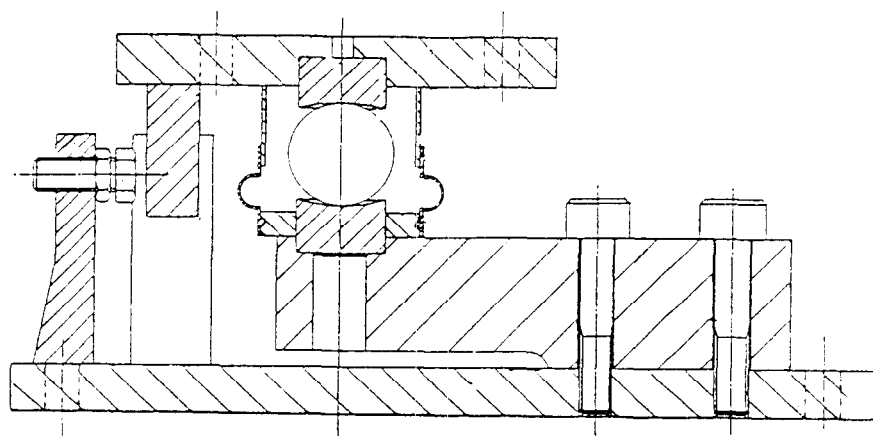


FIGURE S316 - 5



Optional Mounting Method - Model 8708