Australian Government
Department of Industry, Innovation and Science

National Measurement Institute

Supplementary Certificate of Approval

NMI S364

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

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

Avery Berkel Model T204 Load Cell

submitted by Avery Weigh-Tronix
Foundry Lane
Smethwick
West Midlands B66 2LP United Kingdom

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 approval has been granted with reference to document NMI R 60, *Metrological Regulation for Load Cells*, dated July 2004.

This approval becomes subject to review on **1/02/21**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern and variant 1 approved – interim certificate issued	8/01/99
1	Pattern and variant 1 approved – certificate issued	31/03/99
2	Variant 2 approved – certificate issued	28/02/01
3	Pattern & variants 1 & 2 amended (change submittor name) & reviewed – notification of change issued	19/11/04
4	Pattern & variants 1 & 2 amended (change submittor name) – notification of change issued	30/07/08
5	Pattern & variants 1 & 2 reviewed – notification of change issued	12/02/10
6	Pattern & variants 1 & 2 updated & reviewed – certificate issued	23/06/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI or NSC S364' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI or NSC S364' in addition to the approval number of the instrument, and only by persons authorised by the submittor.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) 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 document NMI P 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.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

Dr A Rawlinson

TECHNICAL SCHEDULE No S364

1. Description of Pattern **approved on 8/01/99**

An Avery Berkel model T204 load cell of 3000 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 4 000 verification scale intervals. The cell is approved in two versions, known as 'Through Hole' and 'Blind Hole' (Figure 2).

Note: Load cells may also be known as Avery Weigh-Tronix cells of the same model.

1.1 Method of Mounting

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

1.2 Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	Avery Weigh-Tronix
Model number	T204
Maximum capacity, E_{max}	…….. kg
Serial number	……..
Pattern approval number	NMI or NSC No S364

1.3 Table of Specifications

Specifications are given in Table 1.

2. Description of Variant 1 **approved on 8/01/99**

Certain other capacities as listed in Table 1.

3. Description of Variant 2 **approved on 28/02/01**

With additional mounting methods as shown in Figures 3 and 4

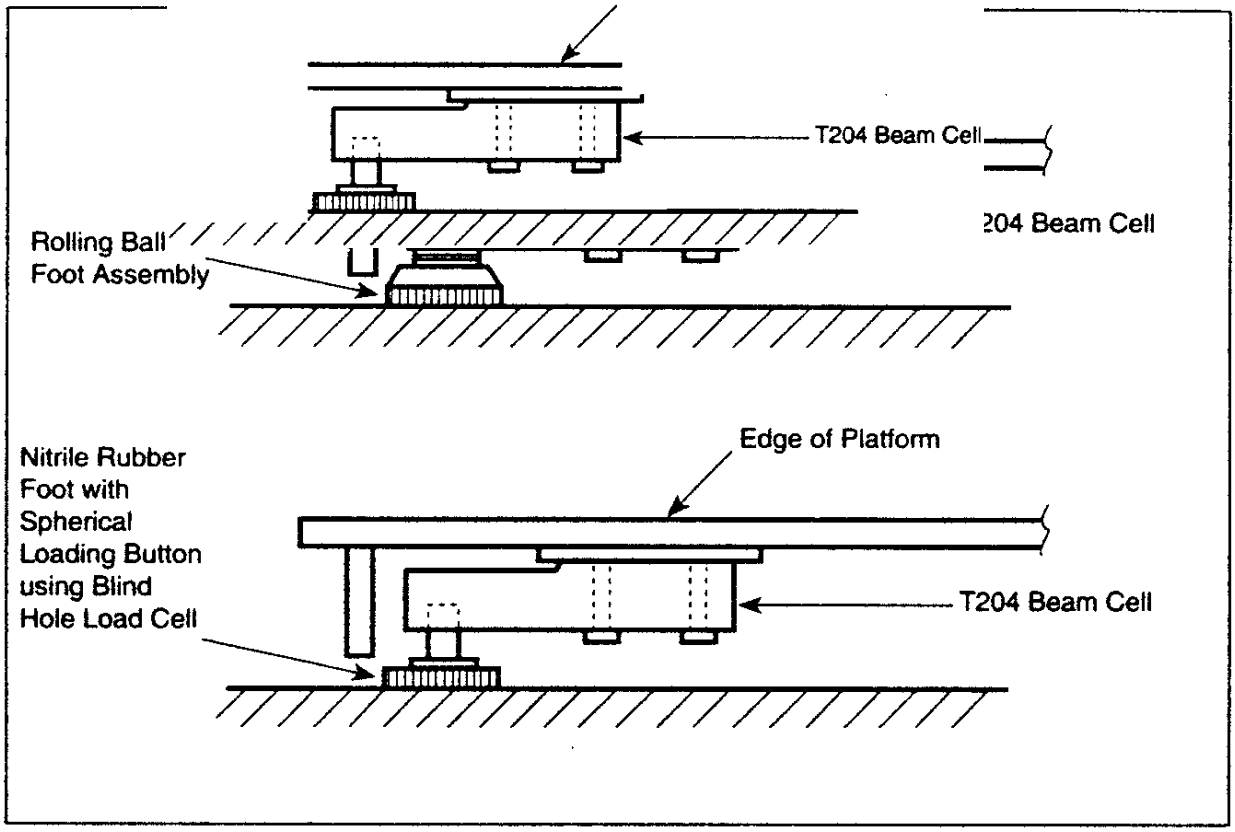
TABLE 1

Type: Avery Berkel (aka Avery Weigh-Tronix) Model T204			
Maximum capacity, E_{max} (kg)	3000	1500	750
Accuracy class	C	C	C
Maximum number of verification intervals, nLC	4000	4000	4000
Minimum value of verification interval, v_{min} (kg)	0.2	0.1	0.05
Minimum dead load output return value, DR (kg)	0.375	0.188	0.094
Output rating (nominal), mV/V	1.75	1.75	1.75
Input impedance (nominal), (Ω)	400	400	400
Supply voltage (AC or DC), (V)	10 – 17	10 – 17	10 – 17
Cable length (±0.1 m), (m)	4 & 10	4 & 10	4 & 10
Number of leads (plus shield)	6	6	6

FIGURE S364 – 1

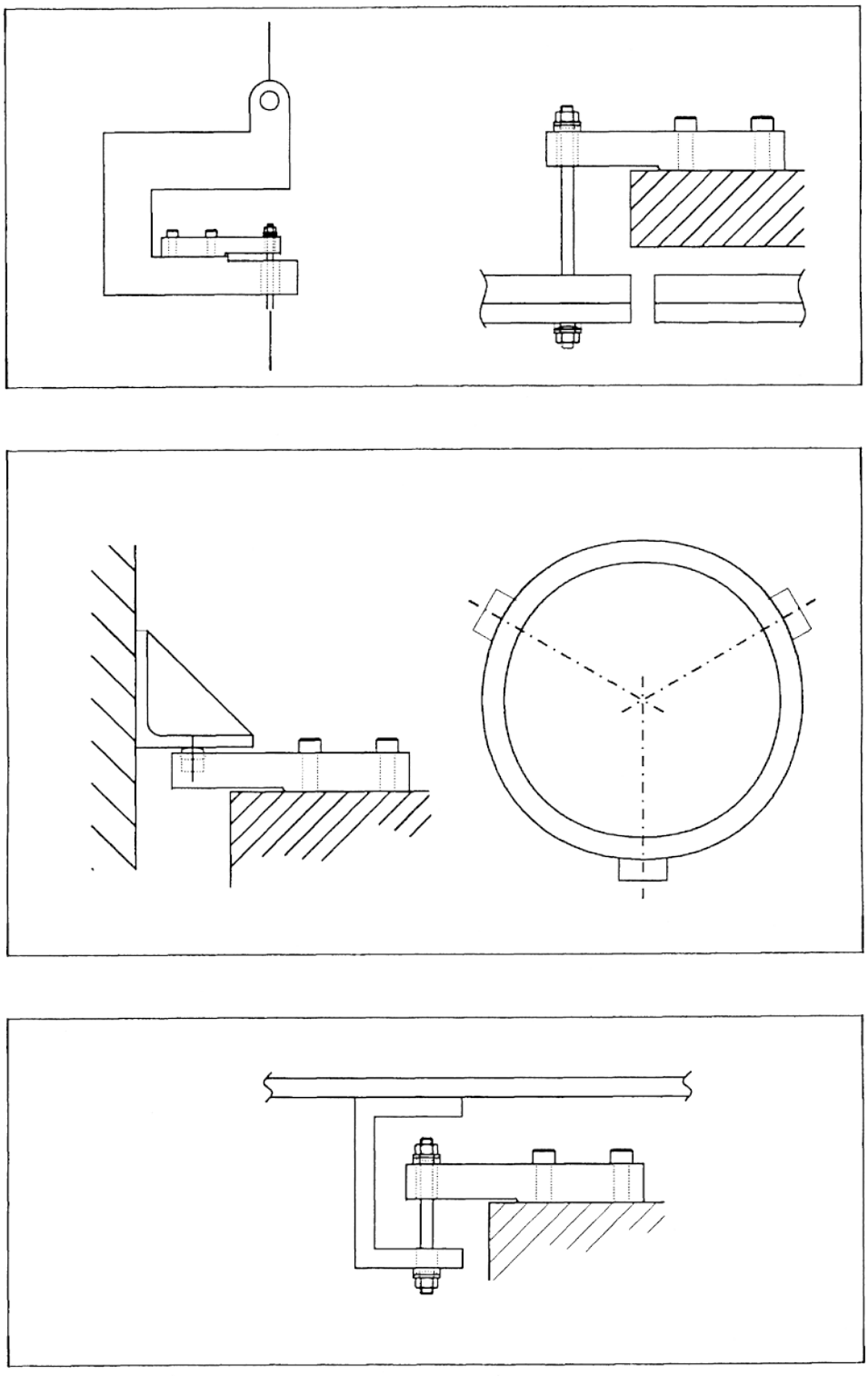
Avery Berkel (aka Avery Weigh-Tronix) Model T204 Load Cell

FIGURE S364 – 2



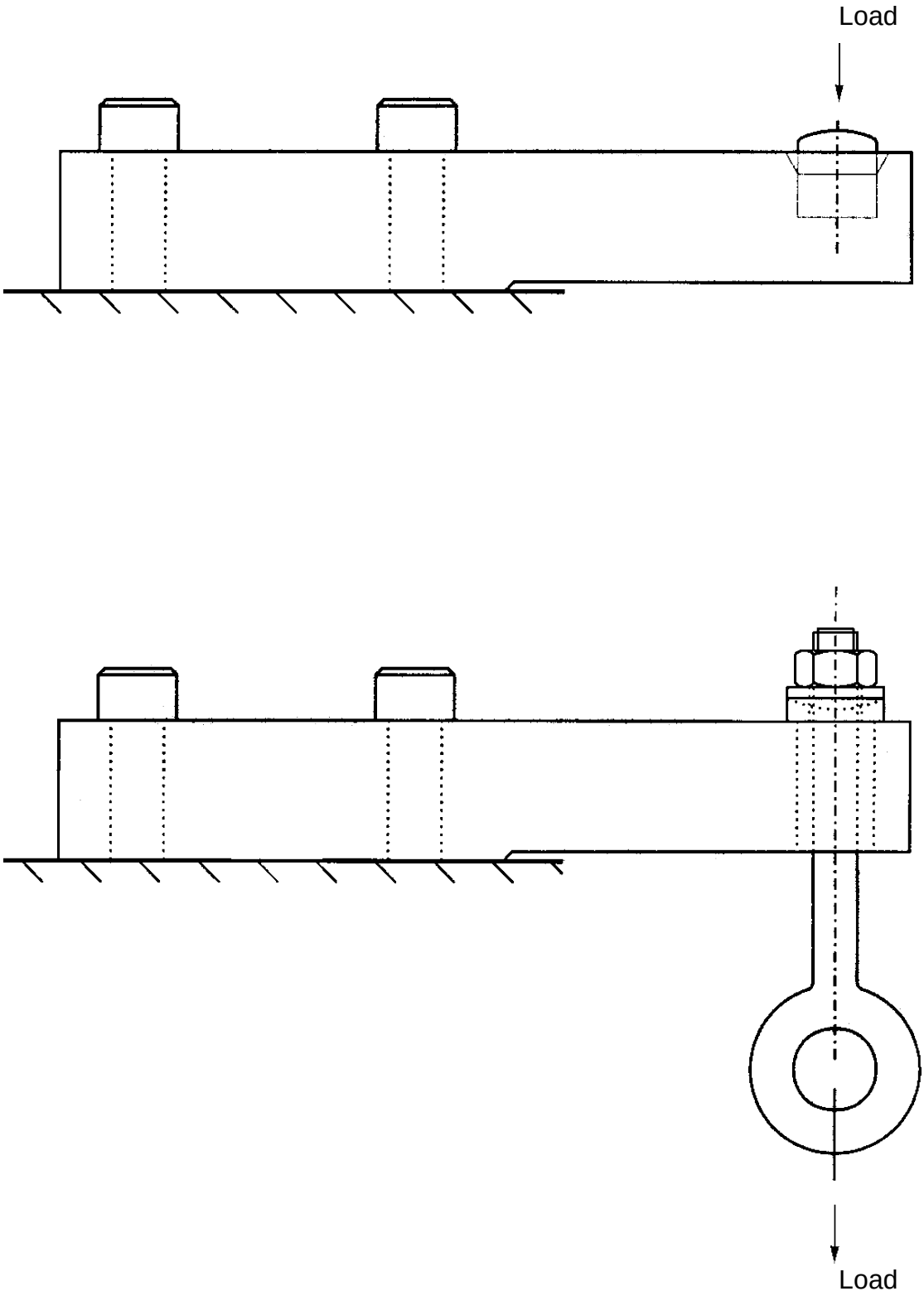
Approved Mounting Methods

FIGURE S364 – 3



Additional Approved Mounting Methods

FIGURE S364 - 4



Further Additional Approved Mounting Methods

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