NATIONAL STANDARDS COMMISSION

WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S121

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

HBM (GDR) Model Z3H2 Load Cell of 1000 kg capacity

submitted by Avery Australia Limited,
3-5 Birmingham Avenue,
Villawood, New South Wales, 2163,

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

The approval of the pattern and variants is subject to review on or after 30/4/86.

All instruments modified by the fitting of a load cell purporting to comply with this approval shall be marked NSC No S121 in addition to the approval number of the unmodified pattern.

Relevant drawings and specifications are lodged with the Commission.

Conditions of Approval

1. The number of scale intervals applicable to the whole instrument will be no greater than the number of verified scale intervals approved for the basework, or the load cell, or the headwork, whichever is the smallest.

2. The load cells to be used shall be subject to regular certification by the National Standards Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 12/5/81

. HBM (GDR) Model Z3H2 load cell of 1000 kg capacity.

Variant: approved 12/5/81

1. Of 10, 20, 50, 100, 200, 500 and 2000 kg capacities.

Technical Schedule No S121 dated 12/6/81 describes the pattern and variant 1.

12/6/81

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S121

Pattern: HBM Model Z3H2 Load Cell of 1000 kg Capacity

Submittor: Avery Australia Limited
3-5 Birmingham Avenue
Villawood, New South Wales, 2163.

1. Description of Pattern

The pattern is an HBM model Z3H2 load cell of 1000 kg capacity (see Figure 1 and Table 1) assembled in a Commission-approved basework.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions, with a minimum free length of 200 mm (as shown in Figure 2).

1.2 Marking

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

Manufacturer's name or mark
Model number
Serial number
Maximum rated capacity
NSC approval number NSC S121

2. Description of Variant 1

HBM model Z3H2 load cell of various capacities, as described in Table 1.

2.1 Method of Mounting

As per the pattern and in addition, only capacities of 200 kg or greater may be fitted in pullrods.

12/6/81

TABLE 1

Type:	Z3H2 (GDR)							
Capacity	10 kg	20 kg	50 kg	100 kg	200 kg	500 kg	1000 kg	2000 kg
Maximum Number of Verification Scale intervals	3000	3000	3000	3000	3000	3000	3000	2500
Minimum Dead Load	1.4 kg	3.5 kg	3.5 kg	8.6 kg	17.0 kg	130 kg	130 kg	130 kg
Minimum Measuring Range	4.0 kg	8.0 kg	20.0 kg	40.0 kg	80.0 kg	200 kg	400 kg	800 kg
Maximum " "	10.0 kg	20.0 kg	50.0 kg	100 kg	200 kg	500 kg	1000 kg	2000 kg

HBM (GDR) Model Z3H2 Load Cell - approved capacities

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S121

CHANGE No 1

The following changes are made to the approval documentation of the HBM Model Z3H2 Load Cell of 1000 kg Capacity:

(1) The attached Technical Schedule No S121 replaces Technical Schedule No S121 dated 12/6/81, which must be retained for Table 1 on the reverse side.

(2) Figures 3 and 4 dated 12/6/81 are now not required and may be destroyed.

Filing Advice

The documentation for this approval now comprises:

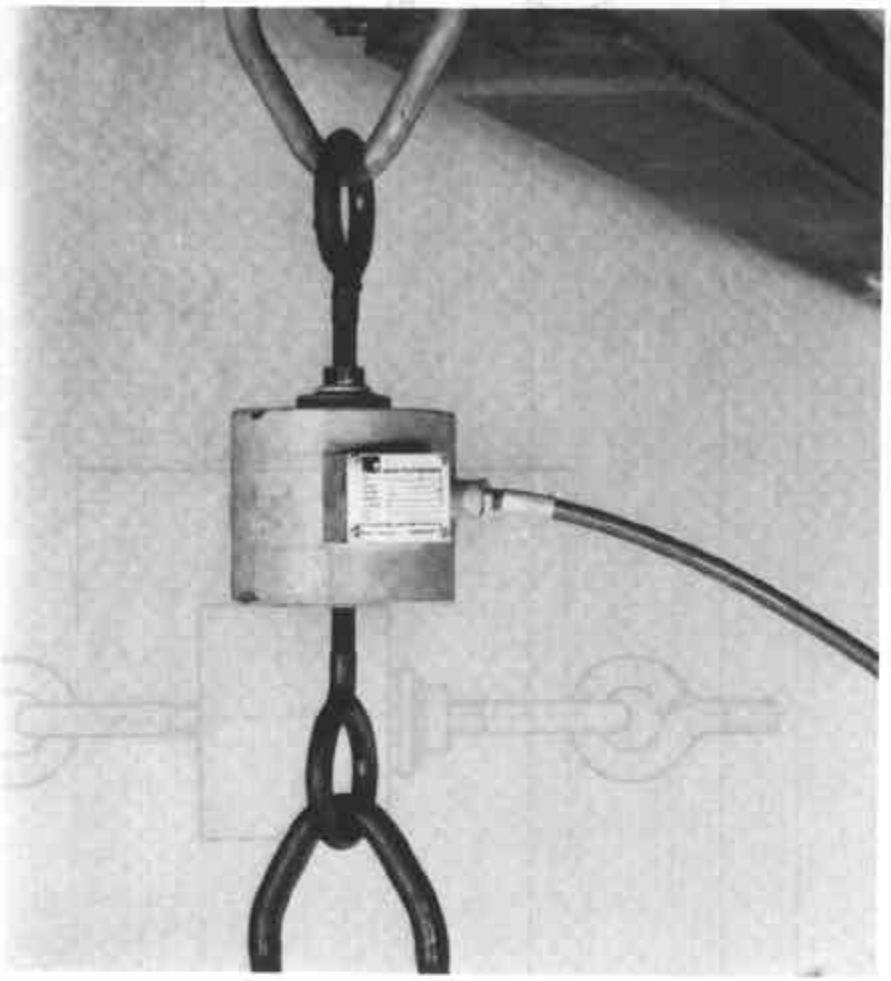
Certificate of Approval No S121 dated 12/6/81
Technical Schedule No S121 dated 30/9/83
Table 1 dated 12/6/81
Figures 1 and 2 dated 12/6/81.

Signed

Executive Director

30/9/83

FIGURE S121 - 1



HBM Z3H2 Load Cell

12/6/81

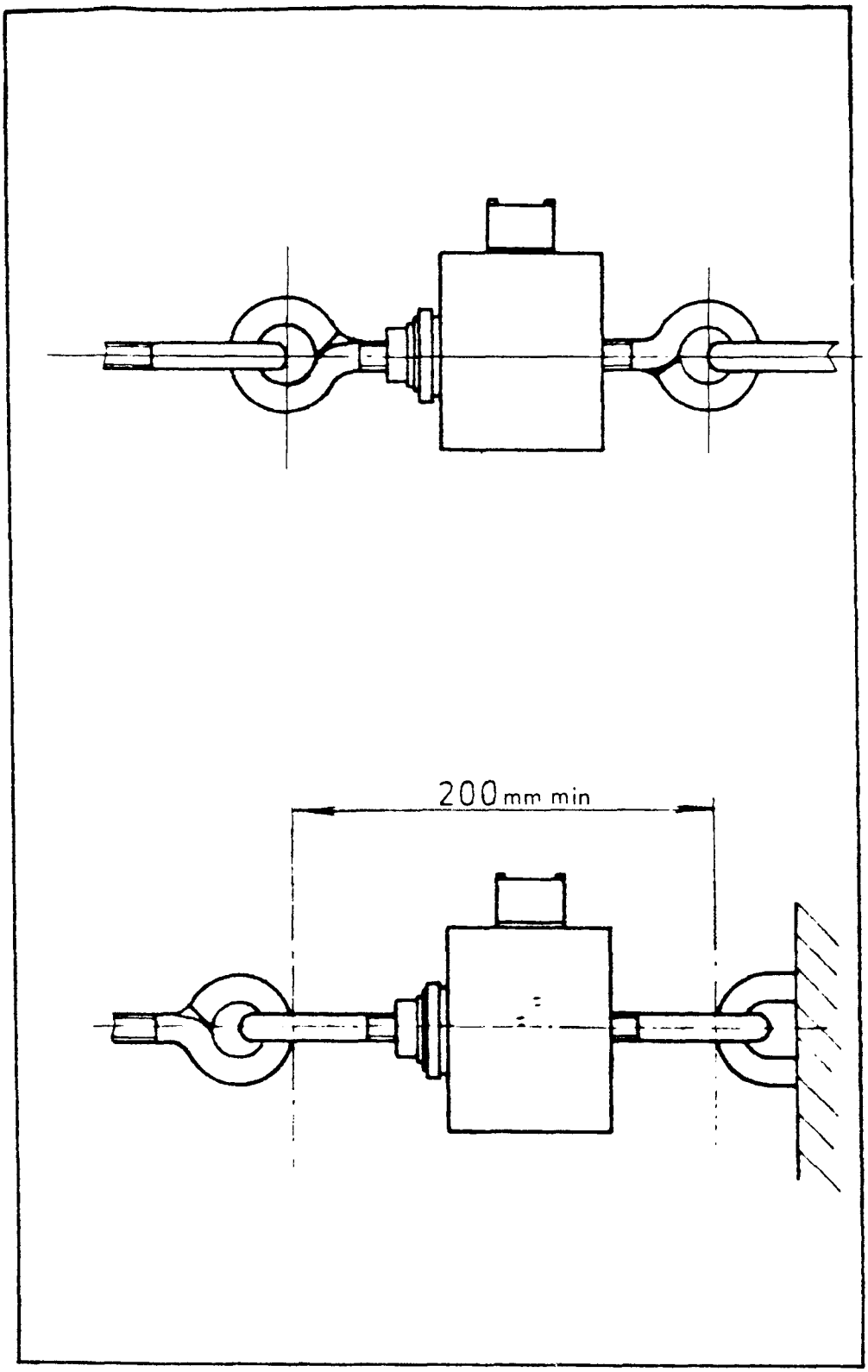
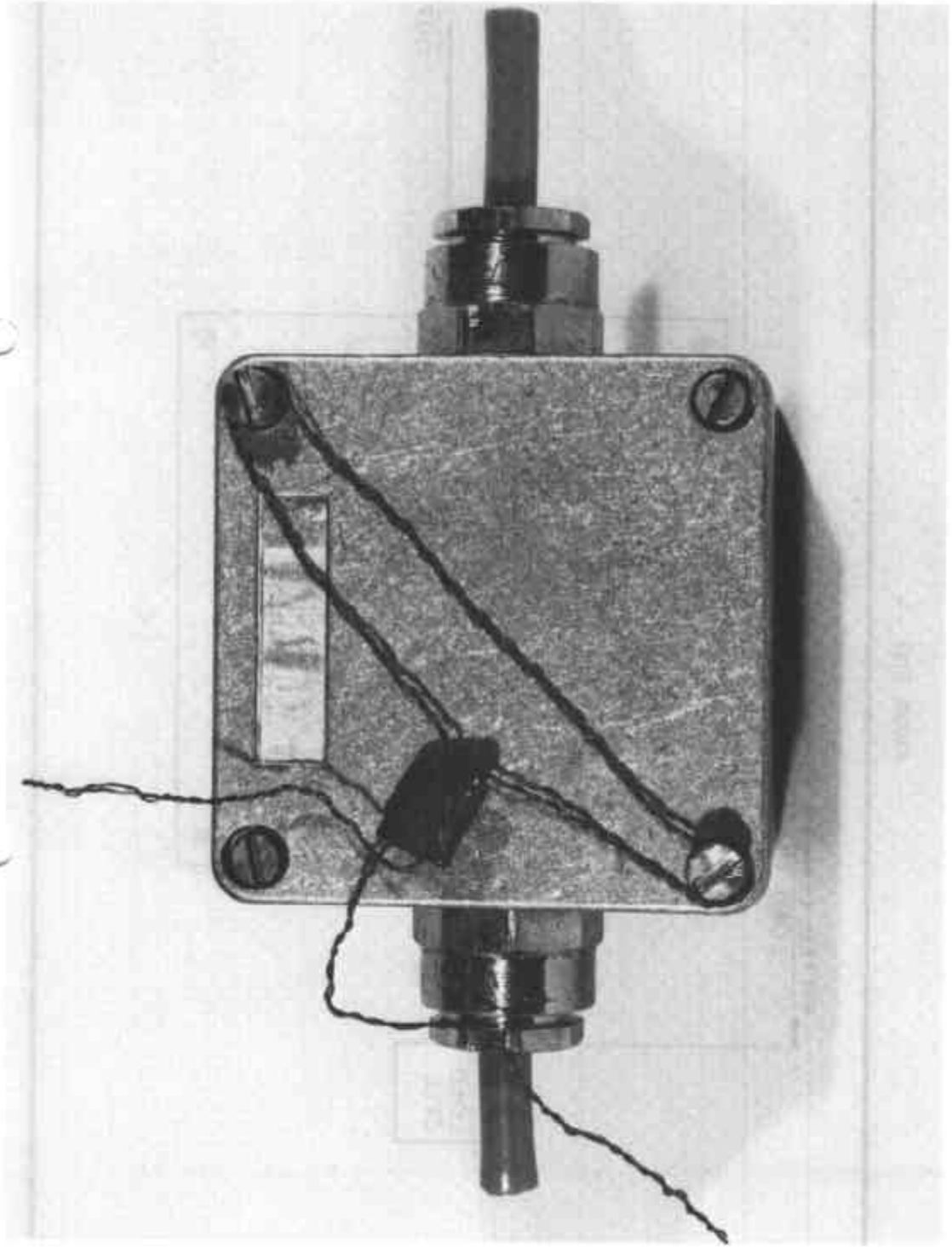


FIGURE S121 - 2

Load Cell Mounting

12/6/81

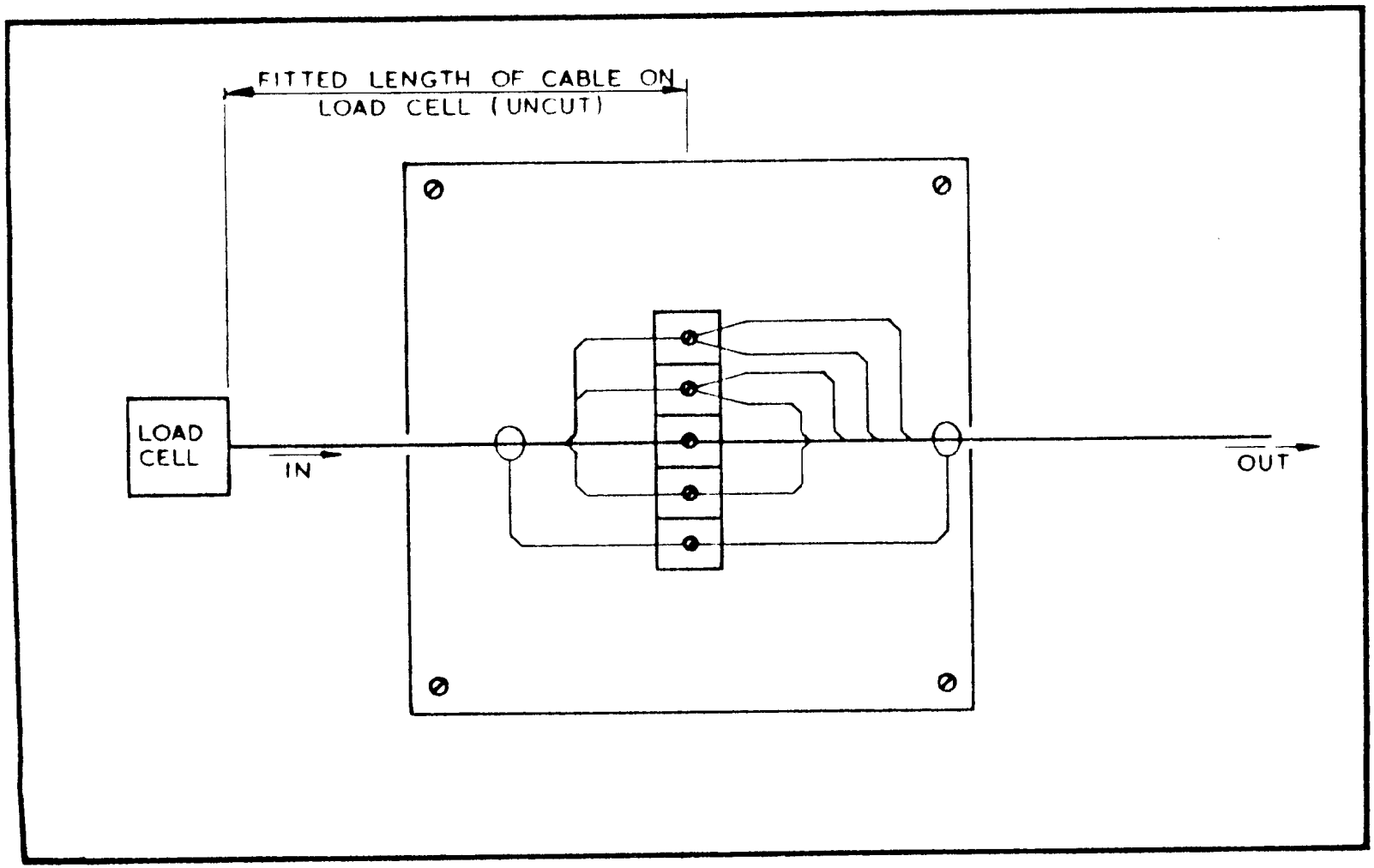
FIGURE S121 - 3



Junction Box

12/6/81

FIGURE S121 - 4



Details of Junction Box