National Standards Commission

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/18/25

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

Scale Technology Model TS 2000 Overhead Weighing Instrument

submitted by   Scale Technology of Australia
15 – 17 Prentice Street
BRUNSWICK   VIC   3056.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/6/94.
This approval expires in respect of new instruments on 1/6/95.

Instruments purporting to comply with this approval shall be marked NSC No 6/18/25 and only by persons authorised by the submittor.

This approval may be withdrawn if instruments are constructed other than as described in the drawings and specifications lodged with the Commission.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified herein and in any approval documentation for the components where they are approved separately, excepting any limitations imposed by mechanical indicators on mechanical baseworks in such documentation.

The instrument as approved herein or with substitute load cells and/or indicator shall comply with General Certificate No 6B/0.

Signed

Executive Director

Descriptive Advice

Pattern: approved 22/5/89

. A Scale Technology model TS 2000 overhead weighing instrument of 2000 kg maximum capacity.

Technical Schedule No 6/18/25 describes the pattern.

Filing Advice

The documentation for this approval comprises:

      Certificate of Approval No 6/18/25 dated 4/12/89
      Technical Schedule No 6/18/25 dated 4/12/89 (Incl. Test Procedure)
      Figures 1 to 3 dated 4/12/89

National Standards Commission

TECHNICAL SCHEDULE No 6/18/25

Pattern: Scale Technology Model TS 2000 Overhead Weighing Instrument.

Submittor: Scale Technology Of Australia
15 – 17 Prentice Street
BRUNSWICK   VIC   3056.

1.   Description of Pattern

A Scale Technology model TS 2000 overhead weighing instrument (Figure 1) of 2000 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

1.1   Weighframe

The model TS 2000 has load cells mounted in each corner on a weighframe from which the loading hooks are suspended (Figures 1 and 2). The weighframe is positioned above ground, fully supported on a mounting structure, and in a fixed location.

1.2   Load Cells

Four Kelba model KA1000 C3 load cells of 1000 kg capacity are used as described in the documentation of NSC approval No S155.

1.3   Indicator

A Gedge Systems model GS1650 digital indicator is used as described in the documentation of NSC approval No S193.

1.4   Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	
NSC approval numbers – instrument	NSC No 6/18/25
– load cells	NSC No S.........
– indicator	NSC No S.........
Accuracy class	⑪⑪
Maximum capacity	Max .... kg *
Minimum capacity	Min .... kg *
Verification scale interval	e = d =........... kg *
Maximum subtractive tare	T = –.............. kg

*   These are repeated adjacent to each reading face.

1.5   Verification Provision

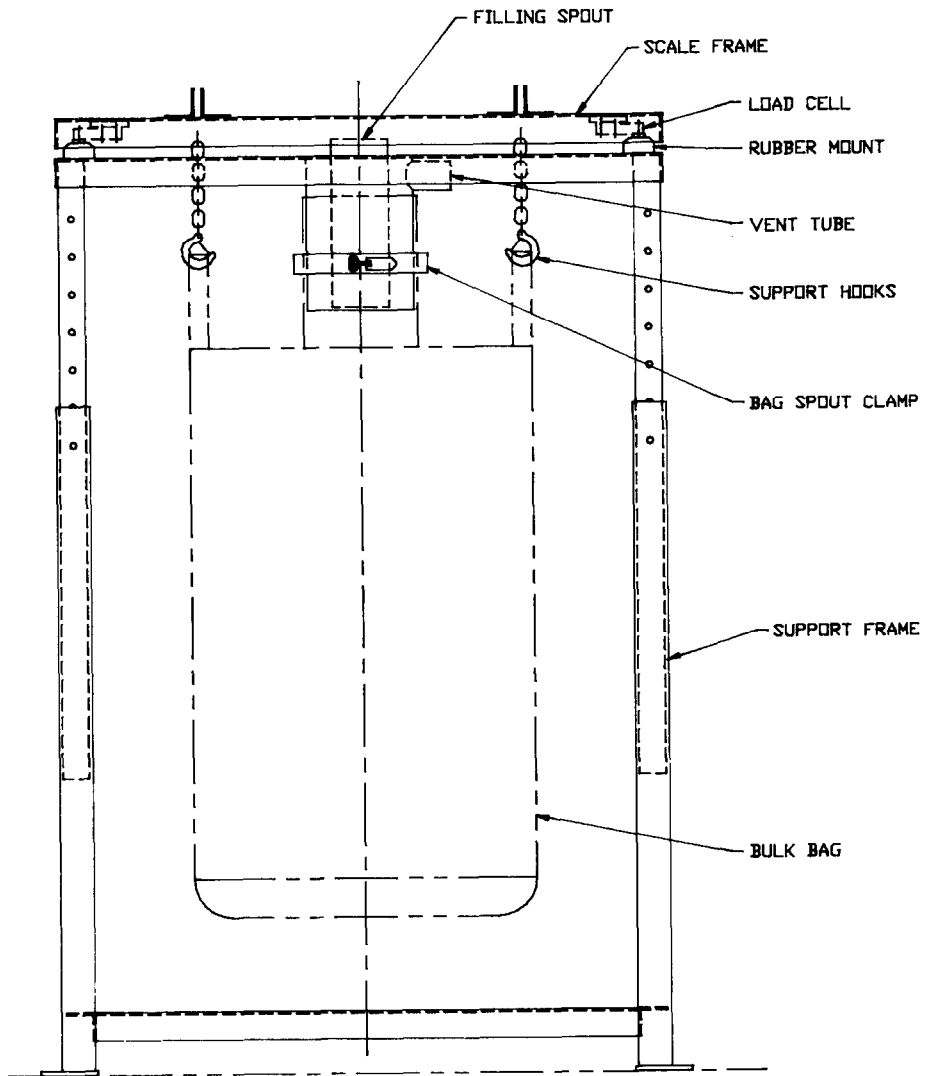Provision is made for a verification mark to be applied.

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

The results shall not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.

Note: As this instrument does not have a permanently–attached load receptor, suitable means are provided for verification testing (Figure 3).
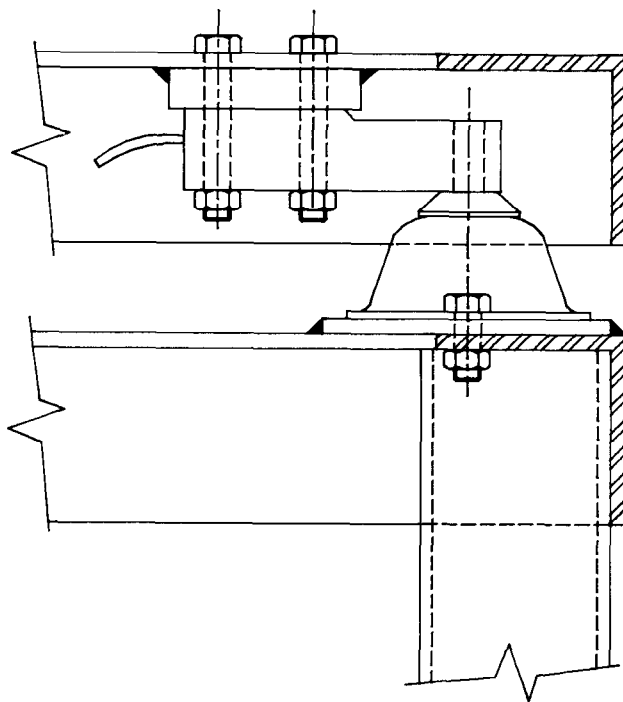
Figure 6/18/25 - 1

FILLING SPOUT

SCALE FRAME

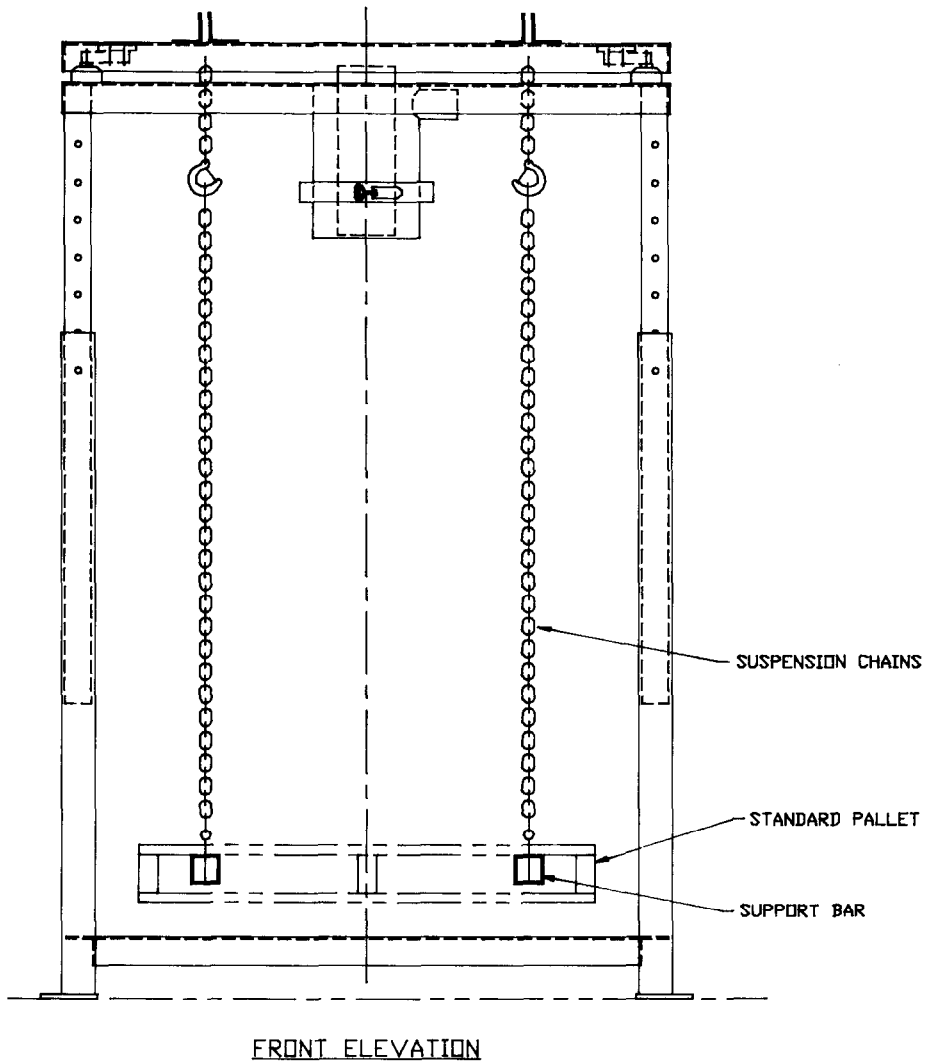LOAD CELL

RUBBER MOUNT

VENT TUBE

SUPPORT HOOKS

BAG SPOUT CLAMP

SUPPORT FRAME

BULK BAG

FRONT ELEVATION

Scale Technology Model TS 2000

Figure 6/18/25 - 2

Showing Load Cell Mounting

Figure 6/18/25 - 3

SUSPENSION CHAINS

STANDARD PALLET

SUPPORT BAR

FRONT ELEVATION

VERIFICATION TESTING ATTACHMENTS

For the purposes of calibrating the structure, 4 chains and 2 support
bars are provided to allow the use of a standard timber pallet or similar
for the application of hand test weights.

Provision For Verification Testing