National Standards Commission

Certificate of Approval

No 6/18/23A

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

SASTEK Model SASTR1 Weighing Instrument

submitted by SASTEK Pty Ltd
5 Hercules Street
Hamilton QLD 4007.

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 Certificate is issued upon completion of a review of NSC approval No 6/18/23.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 December 1999.
This approval expires in respect of new instruments on 1 December 2000.

Instruments purporting to comply with this approval shall be marked NSC No 6/18/23A and only by persons authorised by the submittor.

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Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

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

DESCRIPTIVE ADVICE

Pattern: approved 9 November 1994

- A SASTEK model SASTR1 self-indicating overhead weighing instrument of 500 kg maximum capacity.

Variant: approved 9 November 1994

1. Of 300 kg maximum capacity.

Technical Schedule No 6/18/23A describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/18/23A dated 6 March 1995
Technical Schedule No 6/18/23A dated 6 March 1995 (incl. Test Procedure)
Figures 1 and 2 dated 6 March 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 6/18/23A

Pattern: SASTEK Model SASTR1 Overhead Weighing Instrument.

Submittor: SASTEK Pty Ltd
5 Hercules Street
Hamilton QLD 4007.

1. Description of Pattern

A SASTEK model SASTR1 overhead weighing instrument of 500 kg maximum capacity with a verification scale interval of 0.5 kg.

1.1 Trackwork

The model SASTR1 trackwork (Figure 1) has the weigh-rail up to 600 mm long supported by two load cells.

1.2 Load Cells

Two Precision Transducers model LS500 load cells of 500 kg capacity are used and mounted as shown in Figure 2. Note that only this make, model and capacity of load cell shall be used.

1.3 Indicator

A Gedge model GS1650 Mk3 digital indicator is used. The indicator is also described in the documentation of NSC approval No S193A.

The indicator may be fitted with a semi-automatic subtractive taring device of up to the maximum capacity of the instrument.

1.4 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.5 Sealing Provision

Provision is made for the calibration adjustments of the indicator to be sealed.

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1.6 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 6/18/23A
- indicator	NSC No S .....
Load cell serial numbers (#)	
Accuracy class	(III)
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ... kg *
Maximum subtractive tare	T = ... kg

* These are repeated adjacent to each reading face.

\# Alternatively, these may be marked adjacent to the verification mark.

2. Description of Variant 1

Of 300 kg maximum capacity with a verification scale interval of 0.2 kg.

TEST PROCEDURE

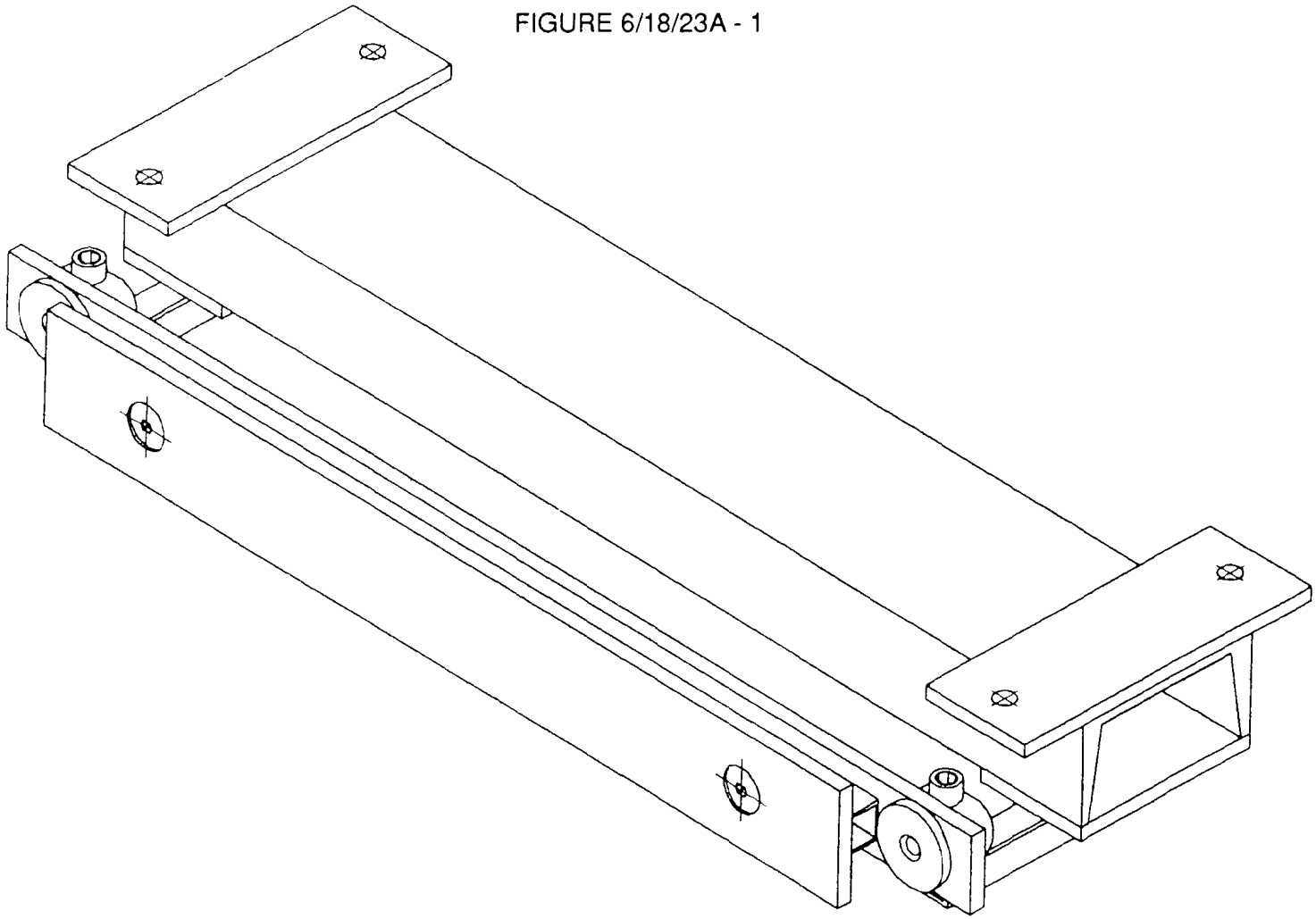
Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within ±0.25e at no load, are:

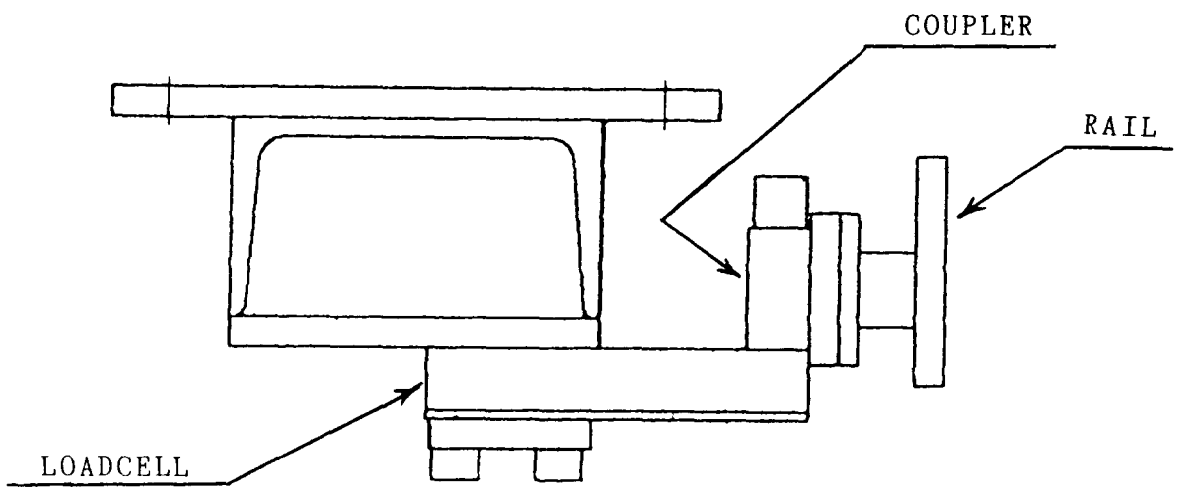
±0.5e for loads from 0 to 500e;
±1.0e for loads over 500e up to 2000e; and
±1.5e for loads over 2000e.

FIGURE 6/18/23A - 1



SASTEK Model SASTR1 Overhead Weighing Instrument

FIGURE 6/18/23A - 2



Load Cell Mounting for Model SASTR1