



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Supplementary Certificate of Approval No S204A
Change No 3

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

The following changes are made to the approval documentation for the

Avery Berkel Model 8701 Load Cell

submitted by Avery Weigh-Tronix Ltd
Foundry Lane
Smethwick
West Midlands B662LP UNITED KINGDOM.

A. In Supplementary Certificate of Approval No S204A dated 17 November 1992 (17/11/92);

(i) The following should be added to the CONDITIONS OF APPROVAL:

“Special:

Model T302 load cells of 45 000 kg capacity (approval NSC S386) may be used to replace some or all approved model 8701 load cells of 45 400 kg capacity in existing instruments. Refer to clause **1. Description of Pattern** in Technical Schedule No S204A dated 17 November 1992.”

(ii) The FILING ADVICE should be amended by adding the following:

“Notification of Change No 3 dated 18 September 2008”

B. In Technical Schedule dated 17 November 1992, clause **1. Description of Pattern** should be amended by adding the following:

“One or more model T302 load cells of 45 000 kg (*) capacity (which are described in the documentation of approval NSC S386) may be used in the same instrument as a number of model 8701 load cells of 45 400 kg capacity. (Note that approval S204A is no longer valid for NEW instruments, however the model T302 cells may be used to replace model 8701 cells in existing instruments.) Refer to the Special Condition of Approval.

(*) Does not apply to 22 500 kg capacity load cells.”

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

A handwritten signature in black ink, appearing to be 'J. G. T.', is written over a faint circular stamp.



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Cancellation
Supplementary Certificate of
Approval No S204A

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

This is to certify that the approval for use for trade granted in Supplementary Certificate of Approval No S204A issued 17 November 1992 in respect of the

Avery Berkel Model 8701 Load Cell

submitted by Avery Weigh-Tronix
(formerly Avery Berkel International)
now of Foundry Lane, Smethwick
West Midlands B66 2LP UK

has been cancelled in respect of new instruments as from 1 January 2005.

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

A handwritten signature in black ink, appearing to be 'J. G. T.', written in a cursive style.

National Standards Commission



Supplementary Certificate of Approval

No S204A

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 8701 Load Cell

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

This Certificate is issued upon completion of a review of NSC approval No S204.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/97.
This approval expires in respect of new instruments on 1/10/98.

Instruments purporting to comply with this approval shall be marked NSC No S204A and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S204A in addition to the approval number of the instrument.

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.

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

Special:

The load cells shall only be used with an indicator incorporating at least 3-point linearisation and which is approved for use with load cells requiring linearisation.



DESCRIPTIVE ADVICE

Pattern: approved 21/9/92

- A GEC Avery model 8701 load cell of 45 400 kg capacity approved for use with a maximum of 3000 verification scale intervals.

Variant: approved 21/9/92

1. Of 25 000 kg capacity.

Technical Schedule No S204A describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:



Supplementary Certificate of Approval No S204A dated 17/11/92
Technical Schedule No S204A dated 17/11/92 (incl. Table 1)
Figures 1 and 2 dated 17/11/92

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 S204A

Pattern: A GEC Avery Model 8701 Load Cell.

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

1. Description of Pattern

A GEC Avery model 8701 load cell of 45 400 kg capacity (refer Figure 1 and Table 1) approved for use with a maximum of 3000 verification scale intervals.

The load cells shall only be used with an indicator incorporating at least 3-point linearisation and which is approved for use with load cells requiring linearisation.

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

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
Maximum rated capacity

NSC No S204A

2. Description of Variant 1

Of 25 000 kg capacity (refer Table 1).

TABLE 1

Type: GEC Avery 8701

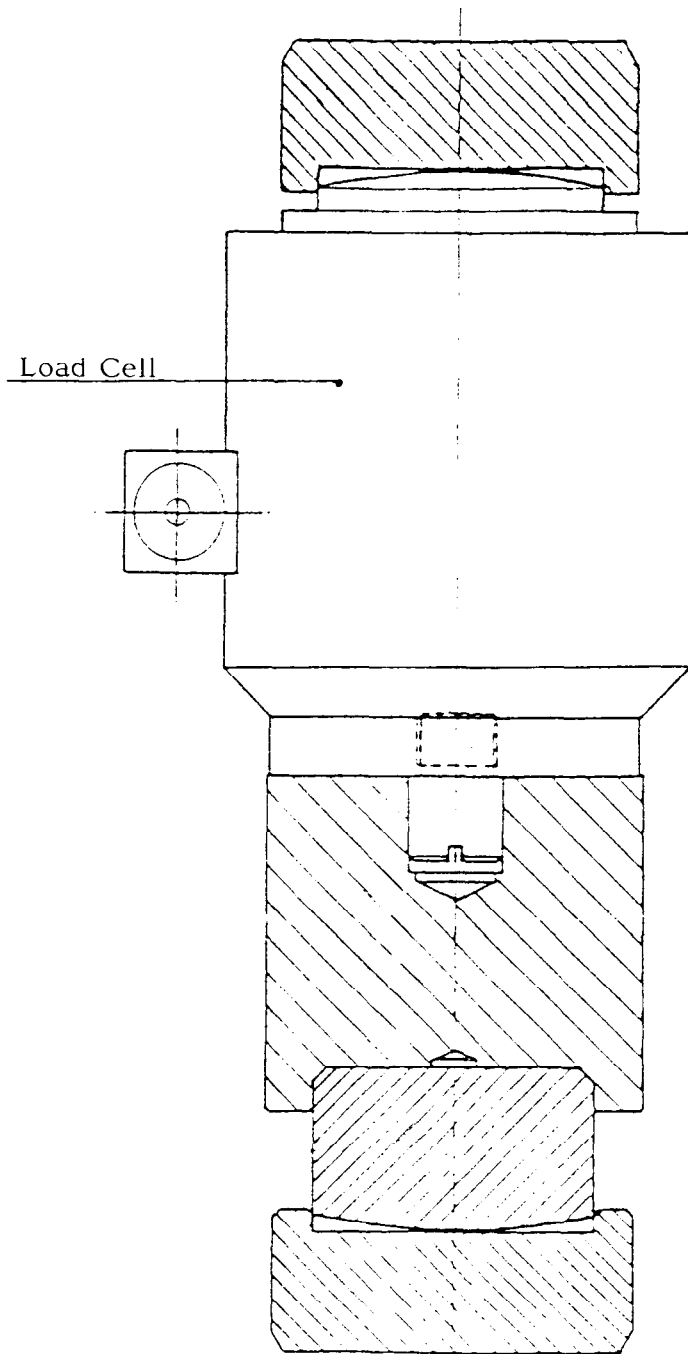
Maximum capacity	25 000 kg	45 400 kg
Maximum number of verification scale intervals	4000	3000
Minimum value of verification scale interval	2.84 kg	2.84 kg
Minimum dead load output return for multi-range instruments (DR)	2.50 kg	3.29 kg
Output rating (nominal)	0.96 mV/V	1.75 mV/V
Input impedance (nominal)	450 ohms	450 ohms
Supply voltage (AC or DC)	10-20 V	10-20 V
Cable length (± 0.1 m)	25 m	25 m
Number of leads (plus shield)	4	4

FIGURE S204A - 1



GEC Avery Model 8701 Load Cell

FIGURE S204A - 2



Typical Mounting Method