

28 October 2009



Australian Government

**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Notification of Change

Supplementary Certificate of Approval No S434

Change No 1

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
Schenck Model PWS Load Cell

submitted by Schenck (Australia) Pty Ltd
(now Schenck Process Australia Pty Limited)
Unit 1/47 Epping Road
North Ryde NSW 2113.

- A. In Supplementary Certificate of Approval No S434 dated 31 March 2005;
1. The Condition of Approval referring to the review of the approval should be amended to read:
- “This approval becomes subject to review on 1 April **2014**, and then every 5 years thereafter.”
2. The FILING ADVICE should be amended by adding the following:
- “Notification of Change No 1 dated 28 October 2009”
- B. In Supplementary Certificate of Approval No S434 and its Technical Schedule both dated 31 March 2005, the references to the name of the submitter should be amended to read:
- “Schenck **Process** Australia Pty **Limited**”
- C. In Technical Schedule No S434 dated 31 March 2005, clause **1.2 Markings** should be amended to read, in part:
- “Manufacturer’s mark, or name written in full **Schenck**”

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 'Shenck', written over a horizontal line.

S434
31 March 2005



Australian Government
**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Supplementary Certificate of Approval
No S434

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
Schenck Model PWS Load Cell

submitted by **Schenck (Australia) Pty Ltd**
Unit 1/47 Epping Road
North Ryde NSW 2113.

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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 April **2009**, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NSC S434' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NSC S434' in addition to the approval number of the instrument.

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Supplementary Certificate of Approval No S434

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

DESCRIPTIVE ADVICE

Pattern: approved 16 March 2004

- A Schenck model PWS load cell of 300 kg maximum capacity.

Variant: approved 16 March 2004

1. Certain other capacities as listed in Table 1.

Technical Schedule No S434 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No S434 dated 31 March 2005

Technical Schedule No S434 dated 31 March 2005 (incl. Table 1)

Figures 1 and 2 dated 31 March 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.' or similar, written in a cursive style.

TECHNICAL SCHEDULE No S434

Pattern: Schenck Model PWS Load Cell

Submittor: Schenck (Australia) Pty Ltd
Unit 1/47 Epping Road
North Ryde NSW 2113



1. Description of Pattern

A Schenck model PWS load cell of 300 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 3000 verification intervals.

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	Schenck (Australia) Pty Ltd
Model number
Serial number
Pattern approval mark	NSC S434
Maximum capacity E_{max} kg



1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1

Certain other capacities of the PWS series as listed in Table 1.

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Technical Schedule No S434

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TABLE 1

Type: Schenck PWS Series

Maximum capacity, E_{max}	kg	30	60	100	150	300
Accuracy class		C	C	C	C	C
Maximum number of verification intervals		3000	3000	3000	3000	3000
Minimum value of verification interval, V_{min}	kg	0.0042	0.0084	0.014	0.021	0.042
Minimum dead load output return value (DR)	kg	0.0021	0.0042	0.007	0.011	0.021
Output rating (nominal)	mV/V	2	2	2	2	2
Input impedance (nominal)	ohm	350	350	350	350	350
Supply voltage (Max, DC/AC)	V	15	15	15	15	15
Cable length (± 0.1 m)	m	5	5	5	5	5
Number of leads (plus shield)		6	6	6	6	6

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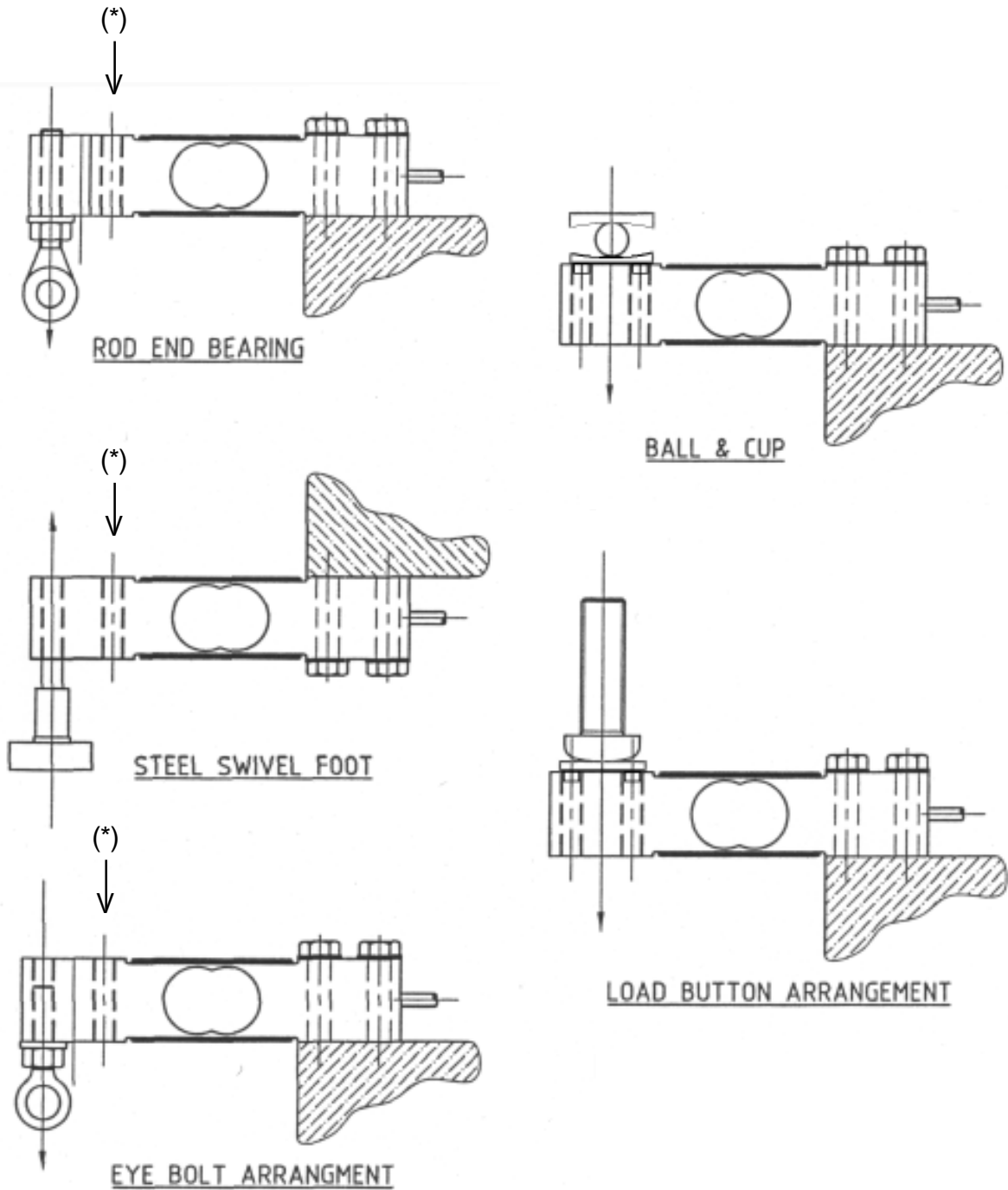
FIGURE S434 – 1



Schenck Model PWS Load Cell

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FIGURE S434 – 2



(*) Note: Mounting using the 'inboard' hole is also acceptable

Alternative Mounting Methods