Australian Government
Department of Industry, Innovation and Science

National Measurement Institute

Supplementary Certificate of Approval

NMI S368

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 instruments herein described.

Flintec Model RC3-30t-C4 Load Cell

submitted by Ultrahawke Pty Ltd
2/9 Production Drive
Campbellfield VIC 3061

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 approval has been granted with reference to document NMI R 60, *Metrological Regulation for Load Cells*, dated July 2004.

This approval becomes subject to review on **1/06/21**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern and variant 1 approved – interim certificate issued	20/05/99
1	Pattern and variant 1 approved – certificate issued	14/10/99
2	Pattern and variant 1 amended (submittor name change) & reviewed – notification of change issued	22/07/04
3	Pattern and variant 1 amended (alternative branding) – notification of change issued	18/02/08
4	Pattern and variant 1 reviewed – notification of change issued	12/04/10
5	Pattern and variant 1 updated & **reviewed** – certificate issued	12/07/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI (or NSC) S368' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI (or NSC) S368' in addition to the approval number of the instrument, and only by persons authorised by the submittor.

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 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 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.

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

Dr A Rawlinson

TECHNICAL SCHEDULE No S368

1. Description of Pattern approved on 20/05/99

A Flintec model RC3-30t-C4 load cell of 30 000 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 4000 verification scale intervals.

Any load cell of this approval may also be known as Accuweigh model Accucell-....-.... (e.g. Accucell-30t-C4) load cells, in which case the manufacturer's mark required in the markings may be the Accuweigh mark rather than Flintec GmbH.

Any load cell of this approval may also be known as Queensland Weighing Machines model WBC-....-.... (e.g. WBC-30t-C4) load cells, in which case the manufacturer's mark required in the markings may be the Queensland Weighing Machines mark rather than Flintec GmbH.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figures 2 to 5.

1.2 Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	Flintec GmbH
Model number	RC3-*0t-C*
Maximum capacity, E_{max}	…….. kg
Serial number	……..
Pattern approval mark	NMI (or NSC) S368

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1 approved on 20/05/99

Other models and capacities as listed in Tables 1 to 3.

TABLE 1

Type: Flintec Model RC3-30t-##

Maximum capacity, E_{max} (kg)	30 000	30 000	30 000
Accuracy class (## above)	C4	C3	C1
Maximum number of verification intervals, nLC	4000	3000	1000
Minimum value of verification interval, v_{min} (kg)	2.3	2.3	6.0
Minimum dead load output return value, DR (kg)	2.3	2.3	6.0
Output rating (nominal), mV/V	2	2	2
Input impedance (nominal), (Ω)	1106	1106	1106
Supply voltage (AC or DC), (V)	5 – 15	5 – 15	5 – 15
Cable length (±0.1 m), (m)	12 or 20	12 or 20	12 or 20
Number of leads (plus shield)	4	4	4

TABLE 2

Type: Flintec Model RC3-40t-##

Maximum capacity, E_{max} (kg)	40 000	40 000	40 000
Accuracy class (## above)	C4	C3	C1
Maximum number of verification intervals, nLC	4000	3000	1000
Minimum value of verification interval, v_{min} (kg)	3.1	3.1	8.0
Minimum dead load output return value, DR (kg)	3.1	3.1	8.0
Output rating (nominal), mV/V	2	2	2
Input impedance (nominal), (Ω)	1106	1106	1106
Supply voltage (AC or DC), (V)	5 – 15	5 – 15	5 – 15
Cable length (±0.1 m), (m)	12 or 20	12 or 20	12 or 20
Number of leads (plus shield)	4	4	4

TABLE 3

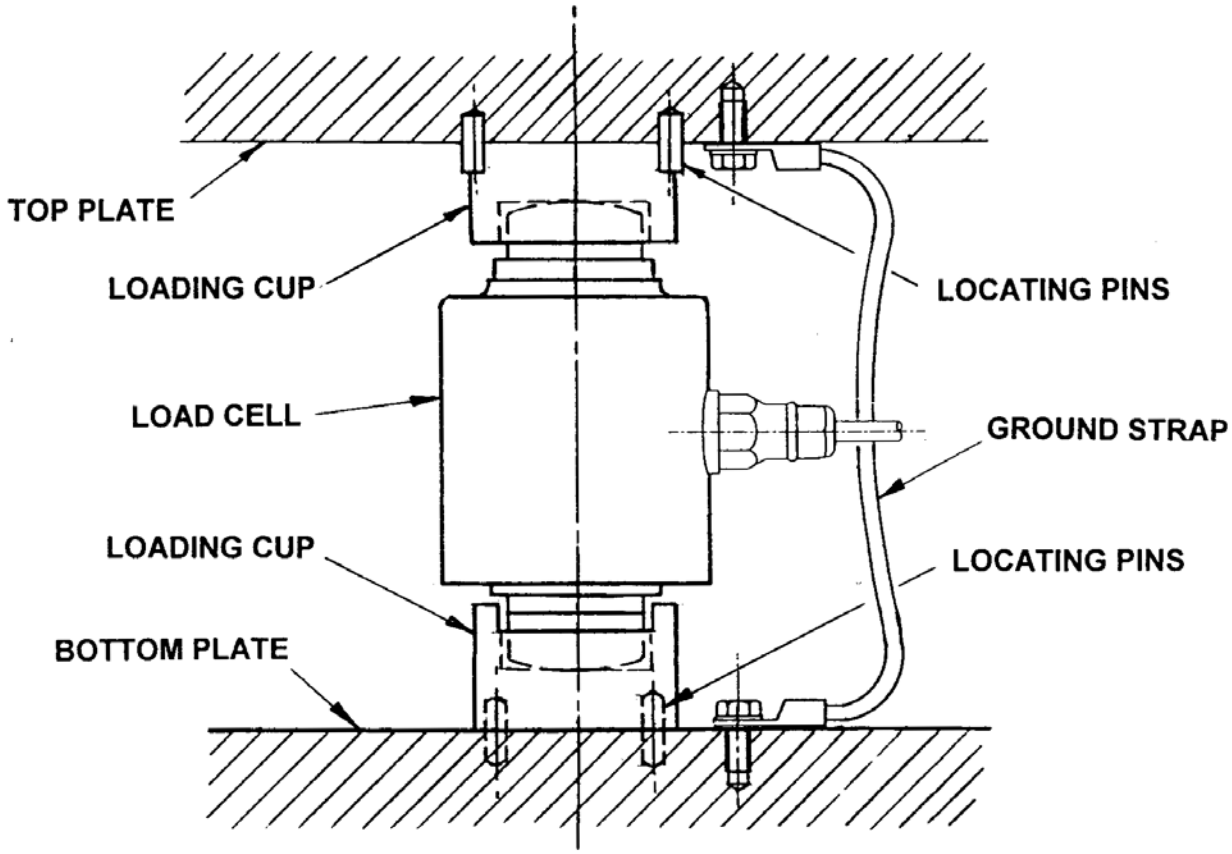
Type: Flintec Model RC3-50t-##

Maximum capacity, E_{max} (kg)	50 000	50 000	50 000
Accuracy class (## above)	C4	C3	C1
Maximum number of verification intervals, nLC	4000	3000	1000
Minimum value of verification interval, v_{min} (kg)	3.8	3.8	10.0
Minimum dead load output return value, DR (kg)	3.8	3.8	10.0
Output rating (nominal), mV/V	2	2	2
Input impedance (nominal), (Ω)	1106	1106	1106
Supply voltage (AC or DC), (V)	5 – 15	5 – 15	5 – 15
Cable length (±0.1 m), (m)	12 or 20	12 or 20	12 or 20
Number of leads (plus shield)	4	4	4

FIGURE S368 – 1

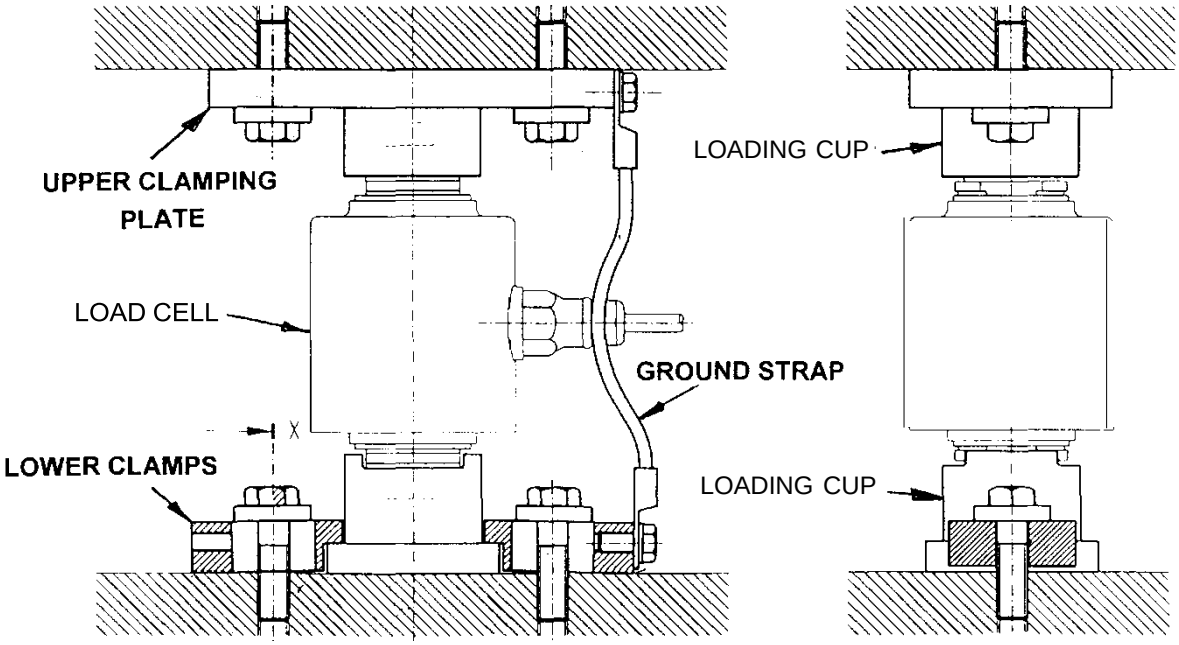
Flintec Model RC3-30t-C4 Load Cell

FIGURE S368 - 2



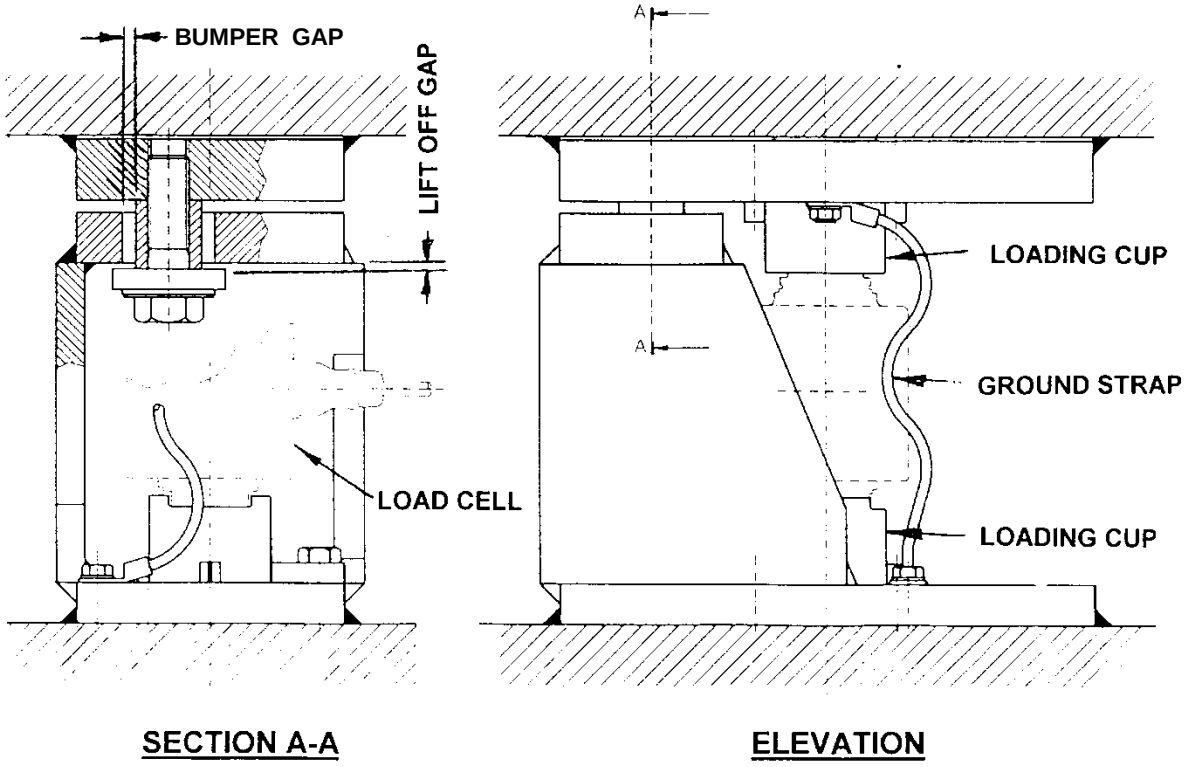
Alternative Mounting Method

FIGURE S368 - 3



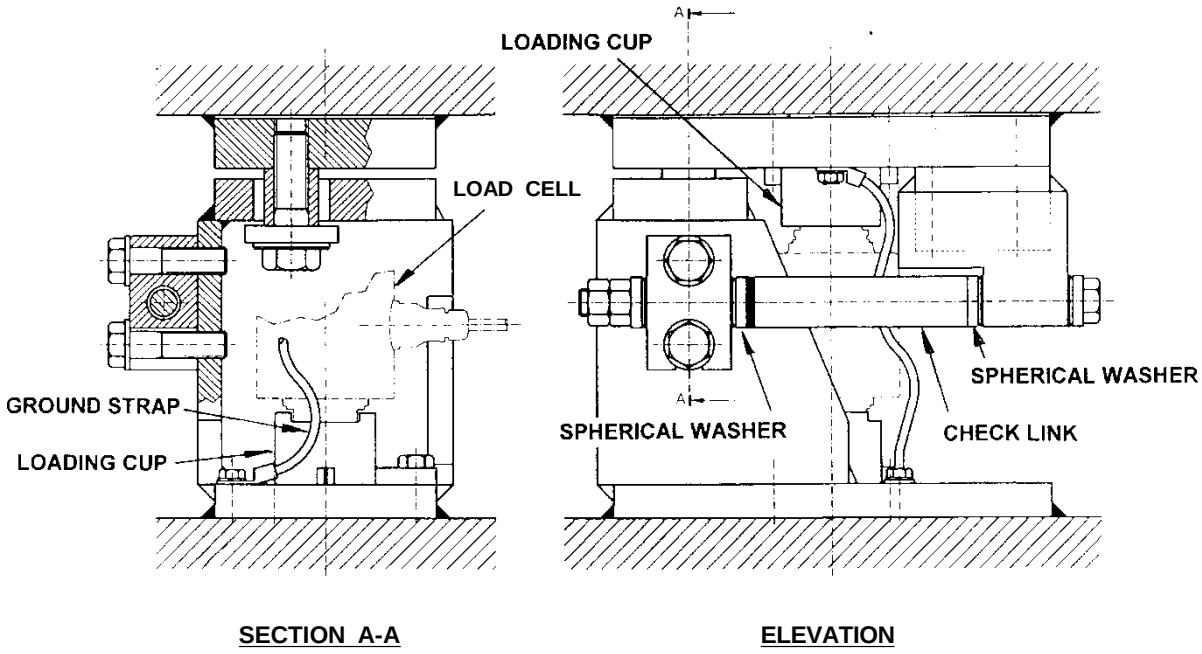
Alternative Mounting Method

FIGURE S368 - 4



Alternative Mounting Method

FIGURE S3-68 - 5



Alternative Mounting Method

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