



NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9C/209

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

Queensland Weighing Machines Model EDS Platform Weighing Instrument

submitted by Queensland Weighing Machines Pty Ltd
Cnr Burrows and Taylor Streets
Bowen Hills QLD 4006.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/92.
This approval expires in respect of new instruments on 1/10/93.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/209.

This approval may be withdrawn if instruments are constructed other than as described in the drawings and specifications lodged with the Commission.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 in this approval or in any approval documentation for the components, where they are approved separately.

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

The load cells used shall be subject to regular certification by the Commission.

Instruments of not less than 1500 kg as approved herein or with substitute load cells and/or indicator shall comply with General Certificate No 6B/0 for Weighing Instruments for Static Loads of Not Less Than 1500 kg.

Signed

Executive Director

Descriptive Advice

Pattern: approved 14/9/87

- Queensland Weighing Machines model EDS platform weighing instrument of 3000 kg maximum capacity.

Variant: approved 14/9/87

1. In other capacities of up to 10 T using other Commission-approved load cells.

Technical Schedule No 6/9C/209 describes the pattern and variant 1.

Variant: approved 18/7/88

2. With alternative load cell mounting.

Technical Schedule No 6/9C/209 Variation No 1 describes variant 2.

Filing Advice

Certificate of Approval No 6/9C/209 dated 11/3/88 is superseded by this Certificate may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/9C/209 dated 16/12/88
Technical Schedule No 6/9C/209 dated 11/3/88 (Incl. Test Procedure)
Technical Schedule No 6/9C/209 Variation No 1 dated 16/12/88
Figures 1 and 2 dated 11/3/88
Figures 3 and 4 dated 16/12/88



NATIONAL STANDARDS COMMISSION

6/9C/209
11/3/88

TECHNICAL SCHEDULE No 6/9C/209

Pattern: Queensland Weighing Machines Model EDS Platform Weighing Instrument.

Submittor: Queensland Weighing Machines Pty Ltd
Cnr Burrows and Taylor Streets
Bowen Hills QLD 4006.

1. Description of Pattern

A platform weighing instrument of 3000 kg maximum capacity approved for use with up to 3000 verification scale intervals.

1.1 Basework

The model EDS basework has a load cell mounted at each corner of a base frame (Figure 1). The load receptor and its support frame are supported by the load cells via ball and seat mountings (Figure 2). The basework is positioned above ground, with or without loading ramps, or let into a pit in which case the platform is level with the ground. Alternatively, the instrument may be fitted with a level indicator, adjacent to which is the notice INSTRUMENT MUST BE LEVEL WHEN IN USE.

1.2 Load Cells

Four Deltacell model SB load cells of 1000 kg capacity are used. These are described in the documentation of NSC approval No S214 and may be marked as specified in that approval or alternatively as specified in 1.4.2 below, when fitted in this instrument.

1.3 Indicator

The A & D model 4316 digital indicator is described in the documentation of NSC approval No S161 and may be marked as specified in that approval or alternatively as specified in 1.4.1 below, when fitted in this instrument.

1.4 Markings

1.4.1

Instruments are marked with the following data, in a clearly visible location:

Manufacturer's name or mark	
Approval number	NSC No 6/9C/209
Serial number	
Accuracy class	(III)
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = d = kg *
Maximum subtractive tare	T = - kg
Load cell approval number)	
Headwork approval number)	where
Basework approval number)	appropriate

* Repeated adjacent to each reading face, if not already in that vicinity.

1.4.2

The following is the minimum data required to be marked on the load cells:

Manufacturer's name or mark
Model number
Serial number
Maximum capacity

Load cell serial numbers may alternatively be marked on a nameplate attached to the indicator or on metal tags attached to the indicator via lead and wire seals.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variant 1

In other capacities of up to 10 t using other Commission-approved load cells.

TEST PROCEDURE No 6/9C/209

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.



NATIONAL STANDARDS COMMISSION

6/9C/209
16/12/88

TECHNICAL SCHEDULE No 6/9C/209

VARIATION No 1

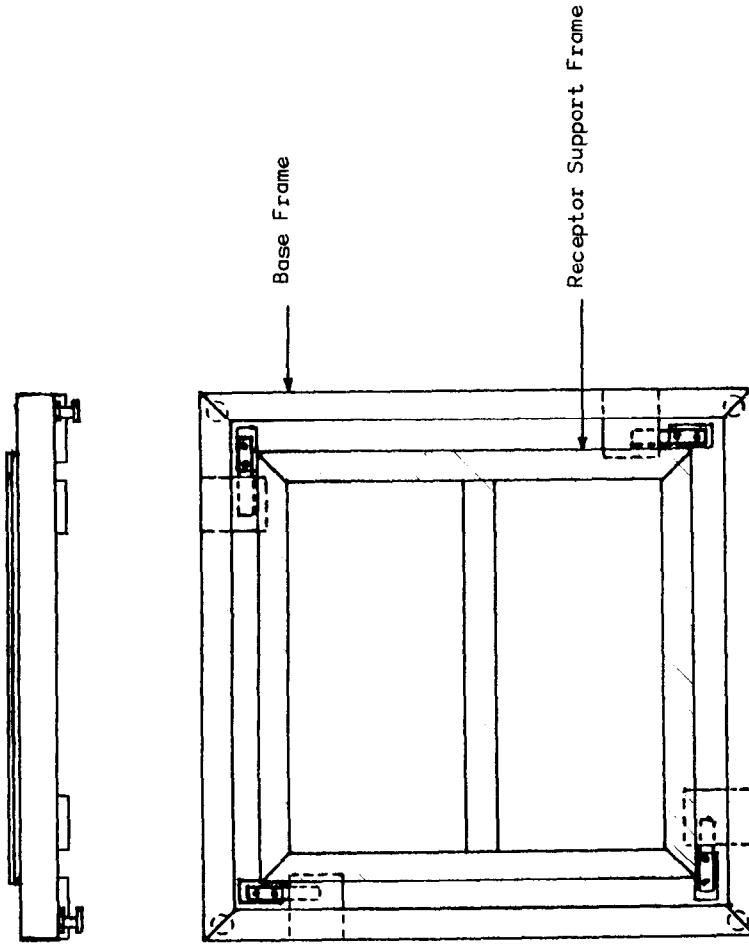
Pattern: Queensland Weighing Machines Model EDS Platform Weighing Instrument.

Submittor: Queensland Weighing Machines Pty Ltd
Cnr Burrows and Taylor Streets
Bowen Hills QLD 4006.

1. Description of Variant 2

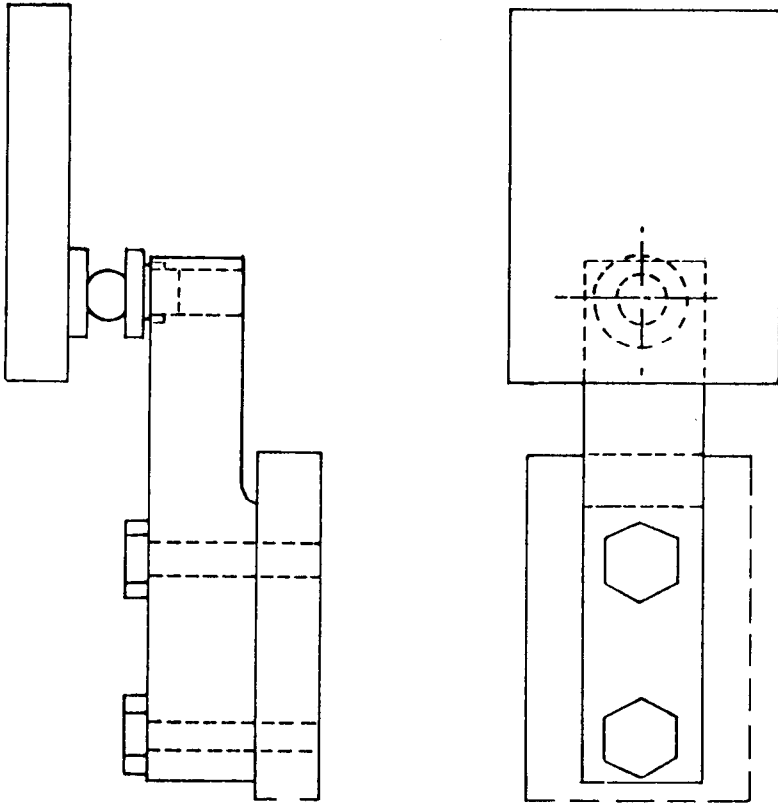
With a modified EDS basework, without the baseframe of the pattern (Figure 3) and with an alternative self-aligning load cell mounting as shown in Figure 4.

FIGURE 6/9C/209 - 1



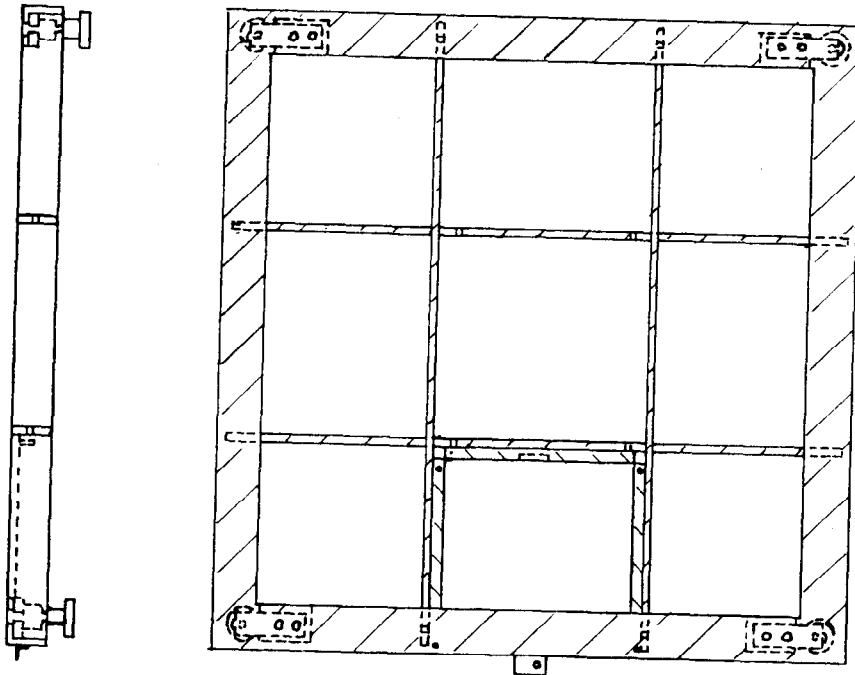
With Load Receptor Removed

FIGURE 6/9C/209 - 2



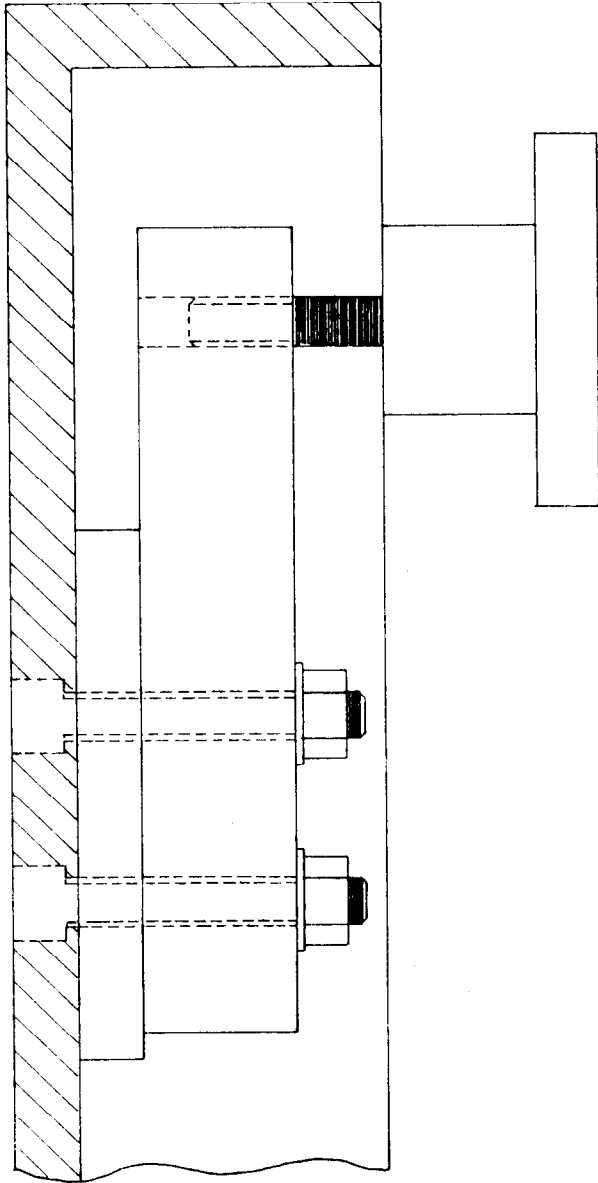
Showing Load Cell Mounting

FIGURE 6/9C/209 - 3



Modified EDS Basework

FIGURE 6/9C/209 - 4



Alternative Load Cell Mounting