Australian Government

National Measurement Institute

12 Lyonpark Road, North Ryde NSW 2113

Cancellation

Supplementary Certificate of

Approval No S348

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 No S348 issued 3 March 1998 in respect of the

HBM Model C16AC3/60T Load Cell

submitted by Hottinger Baldwin Messtechnik GmbH
c/o Ranger Instruments Pty Ltd
now Rinstrum Pty Ltd
41 Success Street
ACACIA RIDGE QLD 4110

has been cancelled in respect of new instruments as from 1 October 2004.

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

S348
6 July 2001

National Standards Commission

12 Lyonpark Road, North Ryde NSW

Notification of Change

Supplementary Certificate of Approval No S348

Change No 1

The following change is made to the approval documentation for the

HBM Model C16AC3/60T Load Cell

submitted by Hottinger Baldwin Messtechnik GmbH
c/o Ranger Instruments Pty Ltd
167 Rudyard Street
Richlands QLD 4077.

In Supplementary Certificate of Approval No S348 dated 5 March 1998, the Condition of Approval referring to the review of the approval should be amended to read:

> "This approval becomes subject to review on 1 November 2002, and then every 5 years thereafter."

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

National Standards Commission

Supplementary Certificate of Approval

No S348

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

HBM Model C16AC3/60T Load Cell

submitted by Hottinger Baldwin Messtechnik GmbH
c/o Ranger Instruments Pty Ltd
167 Rudyard Street
Richlands QLD 4077.

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.

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CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 # 2003, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S348 and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S348 in addition to the approval number of the instrument.

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 2 October 1997

- An HBM model C16AC3/60T load cell of 60 000 kg maximum capacity. The model number may also be in the form 'C16#C3/60T' where '#' represents any alpha character.

Technical Schedule No S348 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S348 dated 5 March 1998
Technical Schedule No S348 dated 5 March 1998 (incl. Table 1)
Figures 1 and 2 dated 5 March 1998

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.

TECHNICAL SCHEDULE No S348

Pattern: HBM Model C16AC3/60T Load Cell.

Submittor: Hottinger Baldwin Messtechnik GmbH
c/o Ranger Instruments Pty Ltd
167 Rudyard Street
Richlands QLD 4077

1. Description of Pattern

An HBM model C16AC3/60T (*) load cell of 60 000 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 3 000 verification scale 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, in the form shown at right:

Manufacturer's mark, or name written in full	
Model number	C16AC3/60T (*)
Serial number	
Year of manufacture	
Pattern approval mark	NSC No S348
Maximum capacity	E_{max} 60 000 kg
Safe load limit	E_{lim} 85 000 kg
Minimum verification interval	v_{min} 4.9 kg

(*) The model number may also be in the form 'C16#C3/60T' where '#' represents any alpha character.

1.3 Table of Specifications

TABLE 1

Type: HBM Model C16AC3/60T (*)

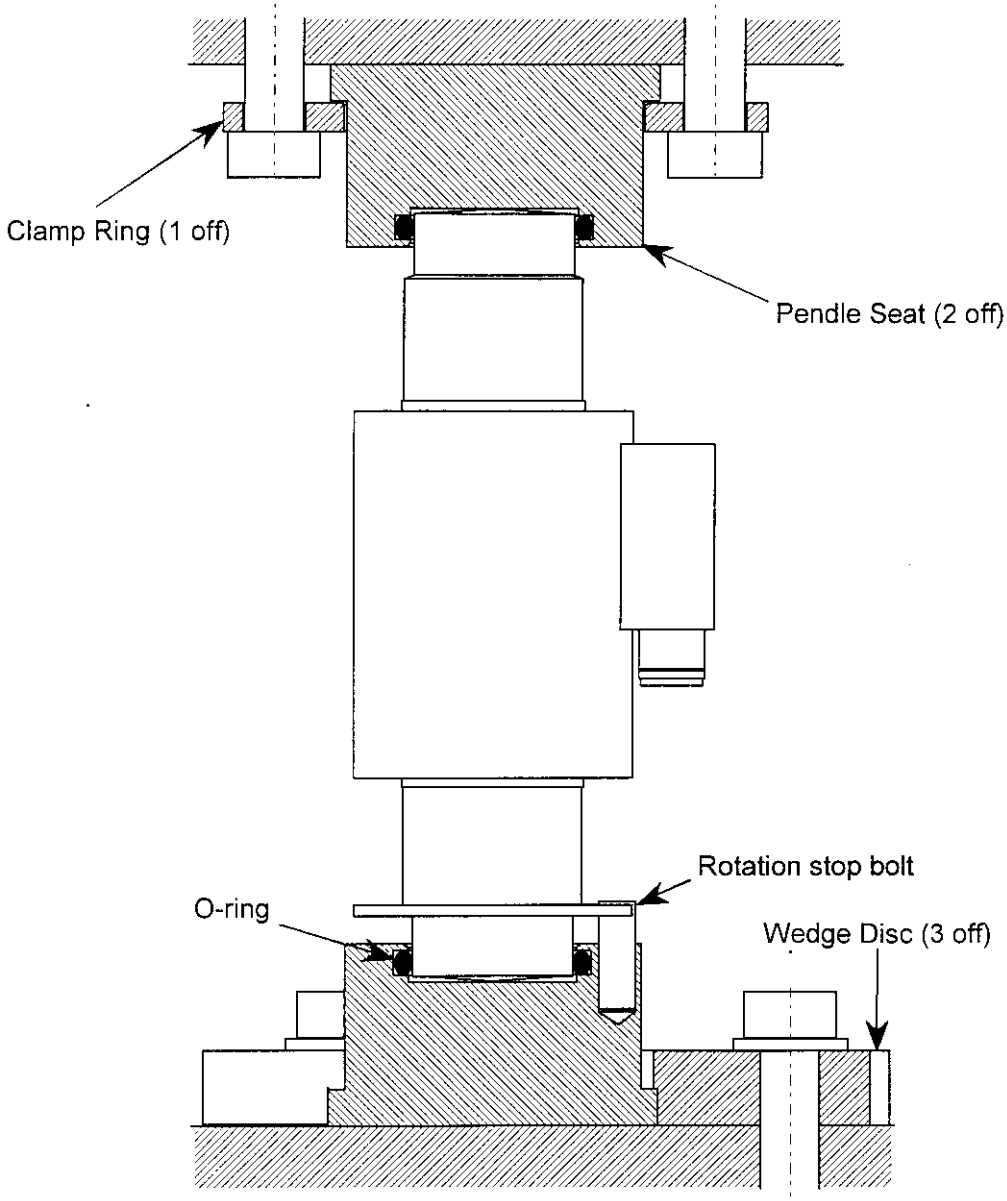
Maximum capacity (kg)	60 000
Maximum number of verification scale intervals	3 000
Minimum value of verification scale interval (kg)	4.9
Minimum dead load output return value (DR)	2.0
Output rating (nominal) (mV/V)	2
Input impedance (nominal) (Ω)	700
Supply voltage (AC or DC) (V)	0.5 to 12
Cable length (m) (±0.1 m)	20
Number of leads (plus shield)	6

(*) The model number may also be in the form ‘C16#C3/60T’ where ‘#’ represents any alpha character.

FIGURE S348 - 1

HBM Model C16AC3/60T Load Cell

FIGURE S348 - 2



Mounting Method