Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Cancellation

Supplementary Certificate of Approval

No S378

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 respect of the

Bongshin Model OSBKA-1T-C3 Load Cell

submitted by Universal Weight International (Aust) Pty Ltd
621 Lores Bonney Drive
Archerfield QLD 4108

has been cancelled in respect of new instruments as from 1 May 2012.

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

National Standards Commission

12 Lyonpark Road, North Ryde NSW

Supplementary Certificate of Approval

No S378

Issued under Regulation 63
of the
National Measurement Regulations 1999

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

Bongshin Model OSBKA-1T-C3 Load Cell

submitted by Universal Weight International (Aust) Pty Ltd
82 Oakleaf Street
Eight Mile Plains QLD 4113.

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.

..../2

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 September 2005, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S378 and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S378 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 30 August 2000

- A Bongshin model OSBKA-1T-C3 load cell of 1000 kg maximum capacity.

Variant: approved 30 August 2000

1. Other models and capacities as listed in Table 1.

Technical Schedule No S378 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No S378 dated 29 September 2000
Technical Schedule No S378 dated 29 September 2000 (incl. Table 1)
Figures 1 to 3 dated 29 September 2000

Signed by a person authorised under Regulation 63 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

TECHNICAL SCHEDULE No S378

Pattern: Bongshin Model OSBKA-1T-C3 Load Cell.

Submittor: Universal Weight International (Aust) Pty Ltd
82 Oakleaf Street
Eight Mile Plains QLD 4113

1. Description of Pattern

A Bongshin model OSBKA-1T-C3 load cell of 1000 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 Figures 2 and 3.

1.2 Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	Bongshin Loadcell Co, Korea
Model number	.....
Serial number	.....
Pattern approval mark	NSC No S378
Maximum capacity E_{max}	..... kg or t

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1

Other models and capacities as listed in Table 1.

..../2

TABLE 1

Type: Bongshin OSBK*-#T-C3 Series

		OSBK*-1T-C3	OSBK*-2T-C3	OSBK*-5T-C3
Maximum capacity, E_{max}	kg	1000	2000	5000
Accuracy class		C	C	C
Maximum number of verification intervals		3000	3000	3000
Minimum value of verification interval, V_{min}	kg	0.3	0.6	1.5
Minimum dead load output return value (DR)	kg	0.2	0.4	1.0
Output rating (nominal)	mV/V	3	3	3
Input impedance (nominal)	Ω	400	400	400
Supply voltage (AC or DC)	V	5 - 15	5 - 15	5 - 15
Cable length (±0.1 m)	m	6	6	6
Number of leads (plus shield)		4	4	4

In the model number:

* may be either A, B or C where;

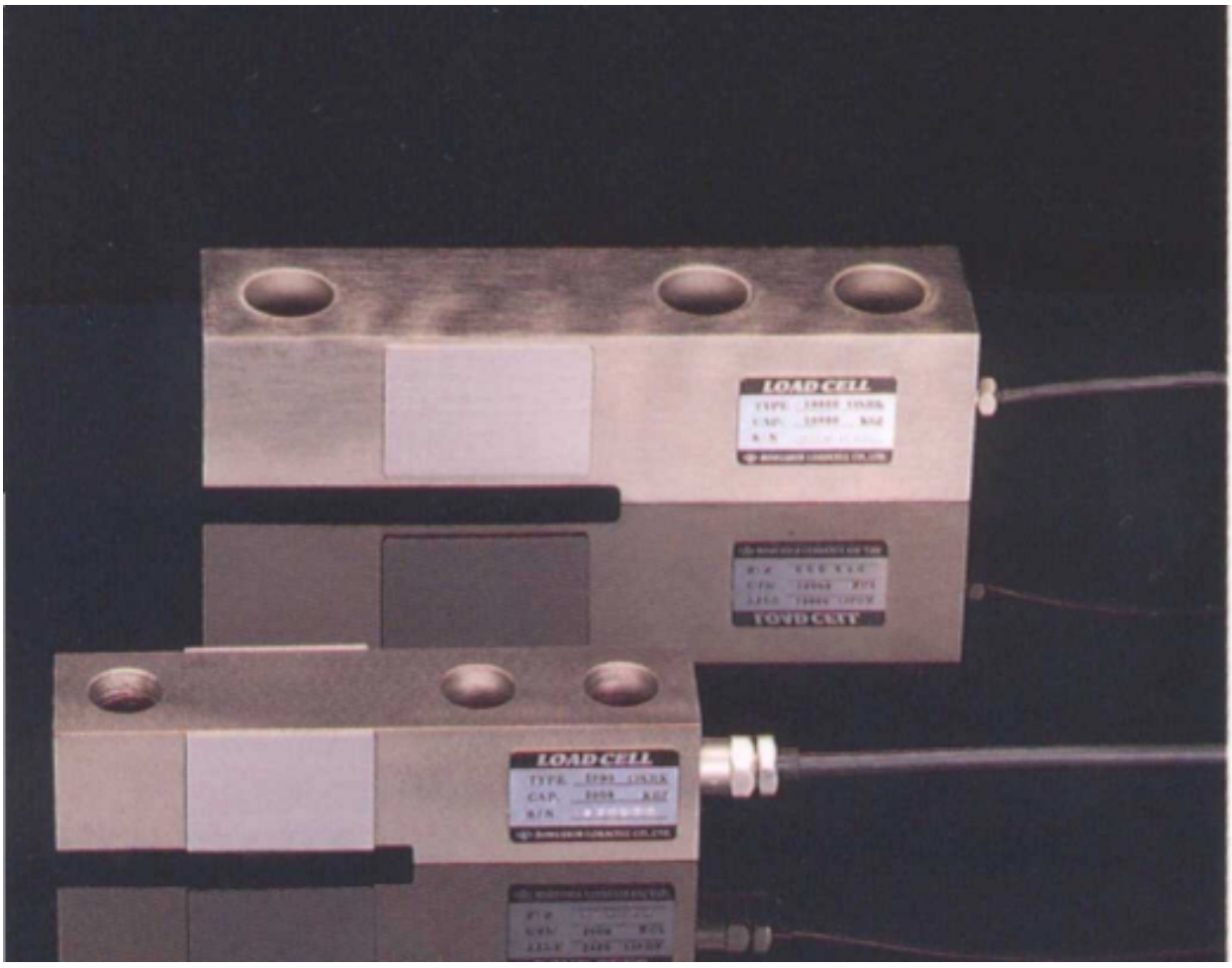
A represents an unthreaded load application hole,

B represents a top-half-threaded load application hole, and

C represents an bottom-half-threaded load application hole.

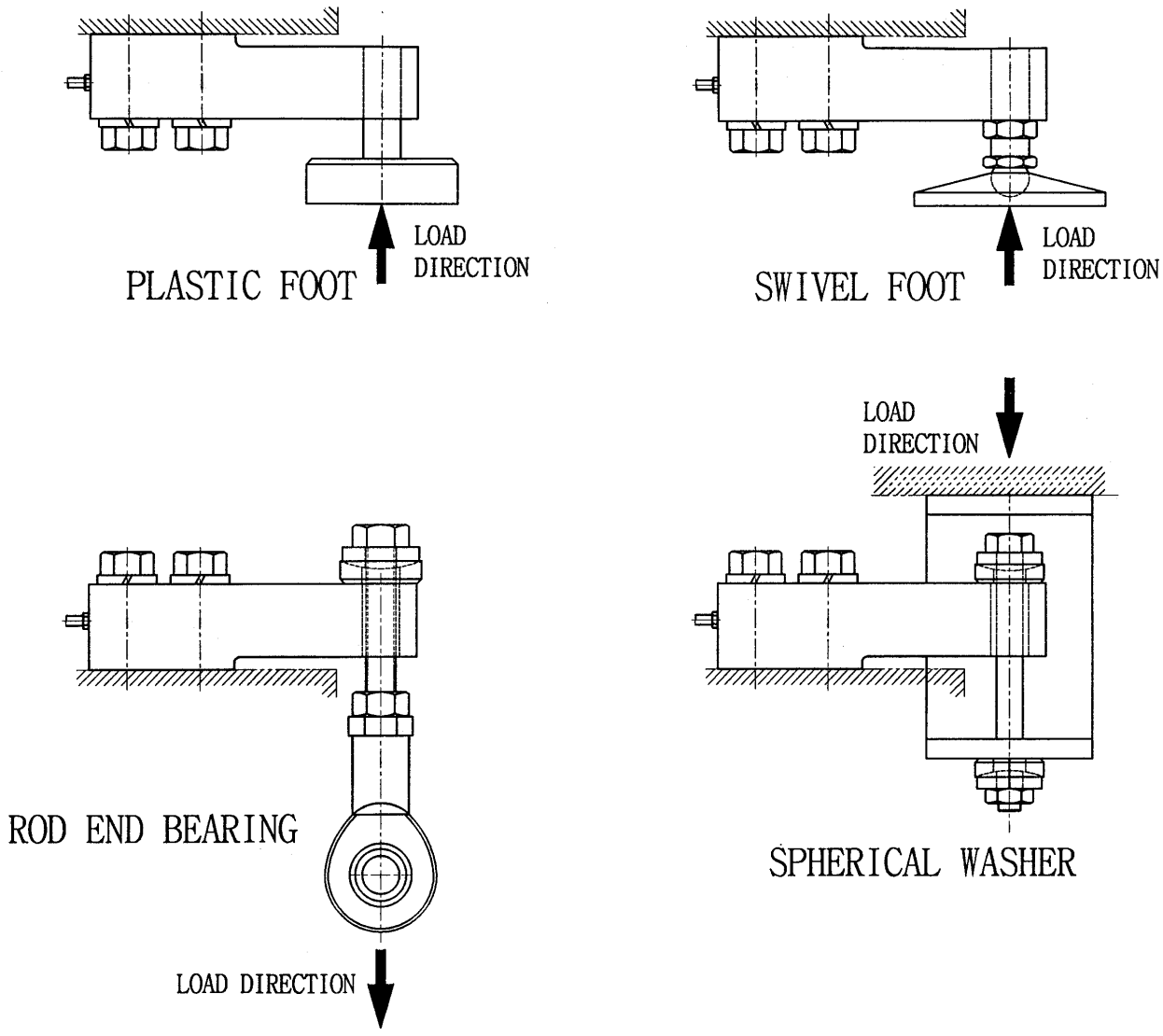
\# represents the maximum capacity in tonnes.

FIGURE S378 - 1



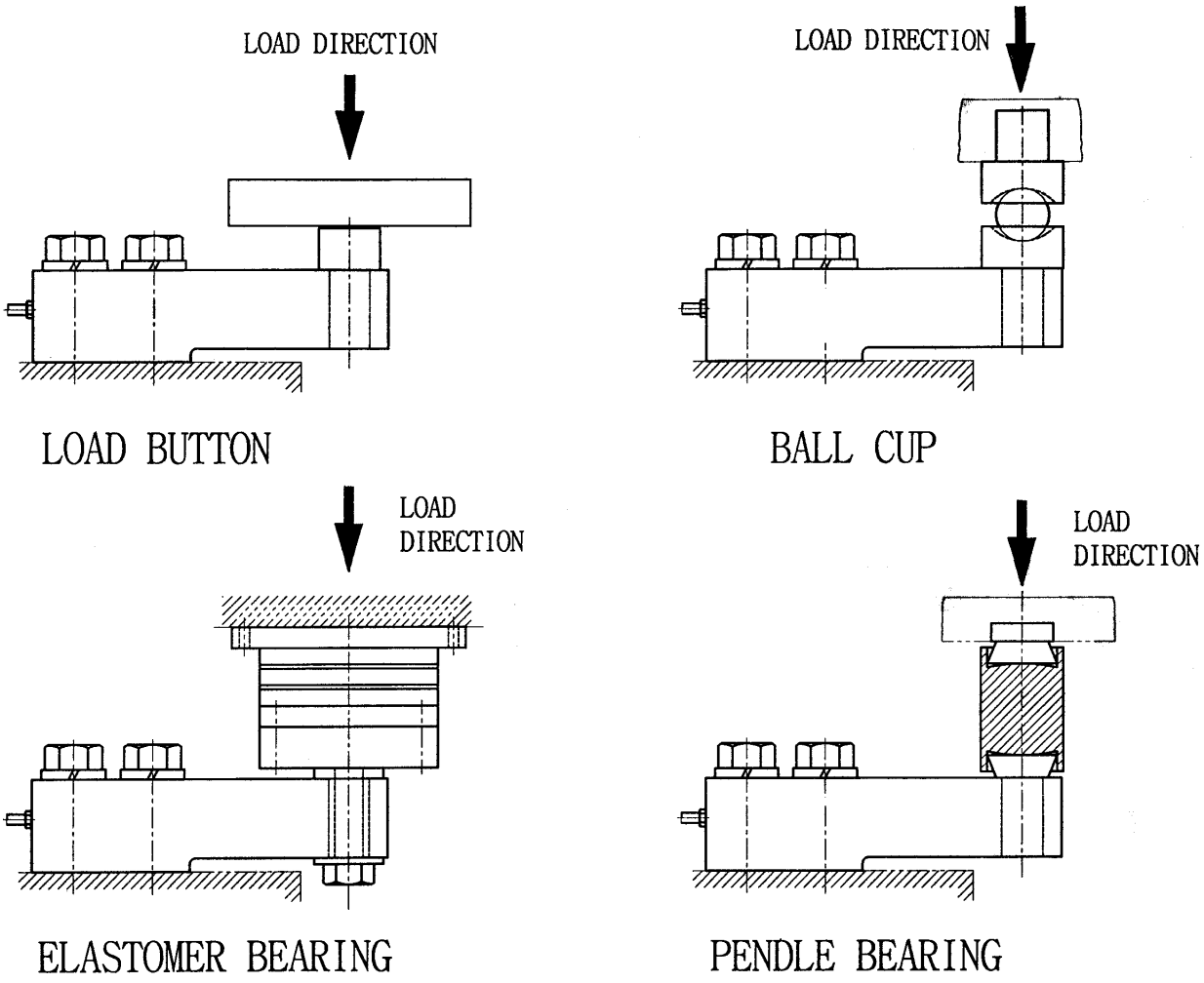
Typical Bongshin OSBK Series Load Cells

FIGURE S378 - 2



Mounting Methods

FIGURE S378 - 3



Alternative Mounting Methods