Australian Government
National Measurement Institute
Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

NMI S488

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.

Wedderburn Model WSB1-C3-1.0t-4B Load Cell

submitted by W W Wedderburn Pty Ltd
101 Williamson Road
Ingleburn NSW 2565

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 **1/03/17**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – certificate issued	23/02/07
1	Pattern & variant 1 reviewed & updated – certificate issued	3/05/12

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number ‘NMI S488’ and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked ‘NMI S488’ 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 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.

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

TECHNICAL SCHEDULE No S488

1. Description of Pattern approved on 23/02/07

A Wedderburn model WSB1-C3-1.0t-4B load cell of 1000 kg maximum capacity (Figure 1 and Table 1).

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figures 2 and 3.

The load cells are supplied with a packing plate which shall be used for mounting the load cell.

1.2 Descriptive Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	WEDDERBURN
Model number	……..
Maximum capacity	…….. kg (or t)
Serial number	……..
Pattern approval mark	NMI S488

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1 approved on 23/02/07

Certain other models and with characteristics as listed in Table 1.

TABLE 1

Type: Wedderburn WSB1-C3-#t-4B series as listed below, where # in the model number represents the capacity (*Emax)* in tonnes, e.g. the pattern model WSB1-C3-1.0t-4B is of 1 t (1000 kg) capacity.

Model number	#=0.5t	#=1.0t	#=1.5t	#=2.0t	#=2.5t
Emax (kg)	500	1000	1500	2000	2500
Class	C3	C3	C3	C3	C3
nLC	3000	3000	3000	3000	3000
Vmin (kg)	0.05	0.15	0.15	0.2	0.25
DR (kg)	0.05	0.11	0.15	0.2	0.25
mV/V	3	3	3	3	3
Input imp. ohms	350	350	350	350	350
Supply voltage (V)	15	15	15	15	15
Cable length (m)	4	4	4	4	4
Number of leads (plus shield)	4	4	4	4	4

Model number	#=3.0t	#=5.0t	#=10t
Emax (kg)	3000	5000	10 000
Class	C3	C3	C3
nLC	3000	3000	3000
Vmin (kg)	0.45	0.75	2.5
DR (kg)	0.33	0.55	2.5
mV/V	3	3	3
Input imp. ohms	350	350	350
Supply voltage (V)	15	15	15
Cable length (m)	4	4	4
Number of leads (plus shield)	4	4	4

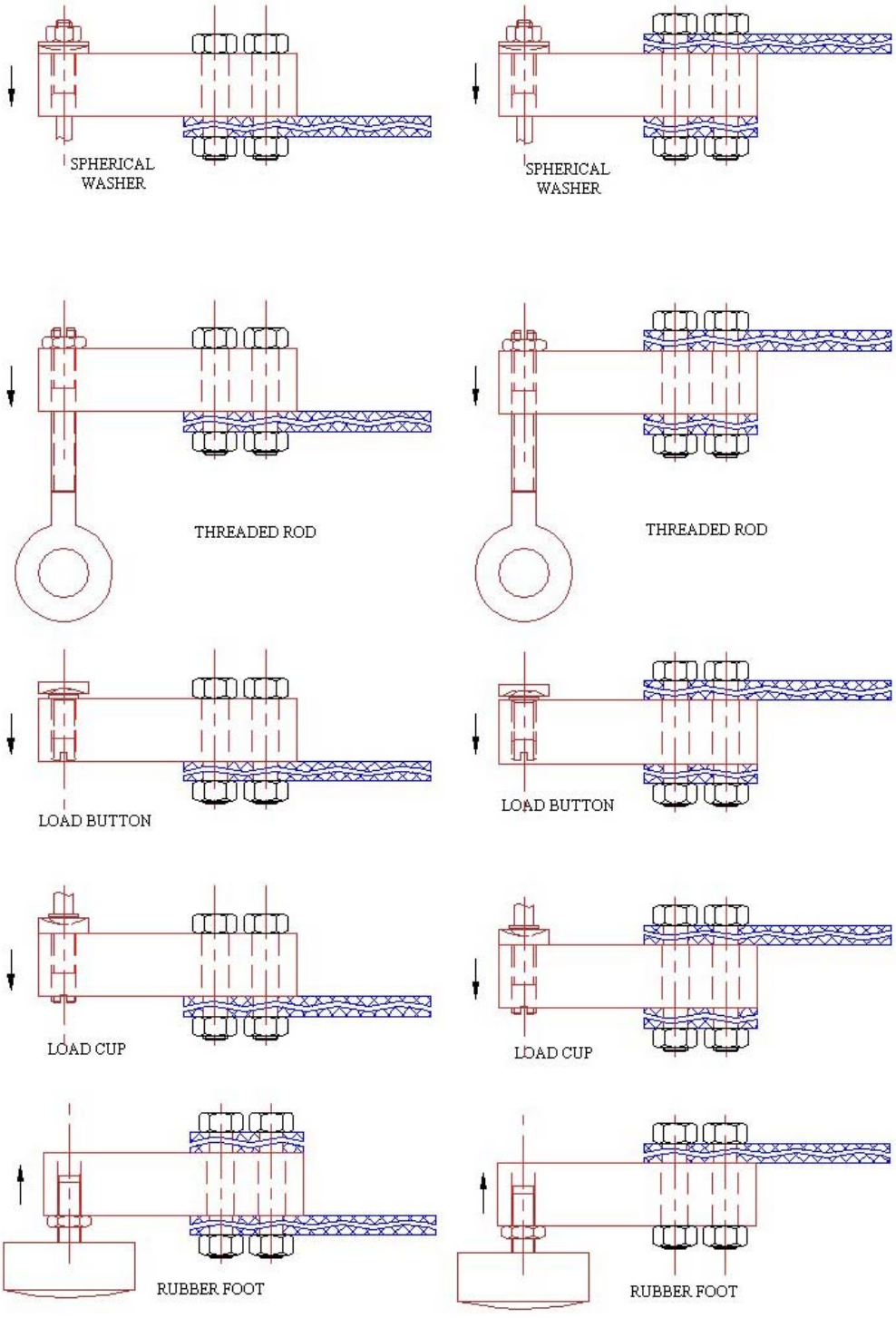
Where:

Emax	=	Maximum capacity
nLC	=	Maximum number of verification intervals
Vmin	=	Minimum value of verification interval
DR	=	Minimum dead load output return value
mV/V	=	Output rating (nominal)
Input imp.	=	Input impedance (nominal)
Voltage	=	Maximum supply voltage (DC)

FIGURE S488 – 1

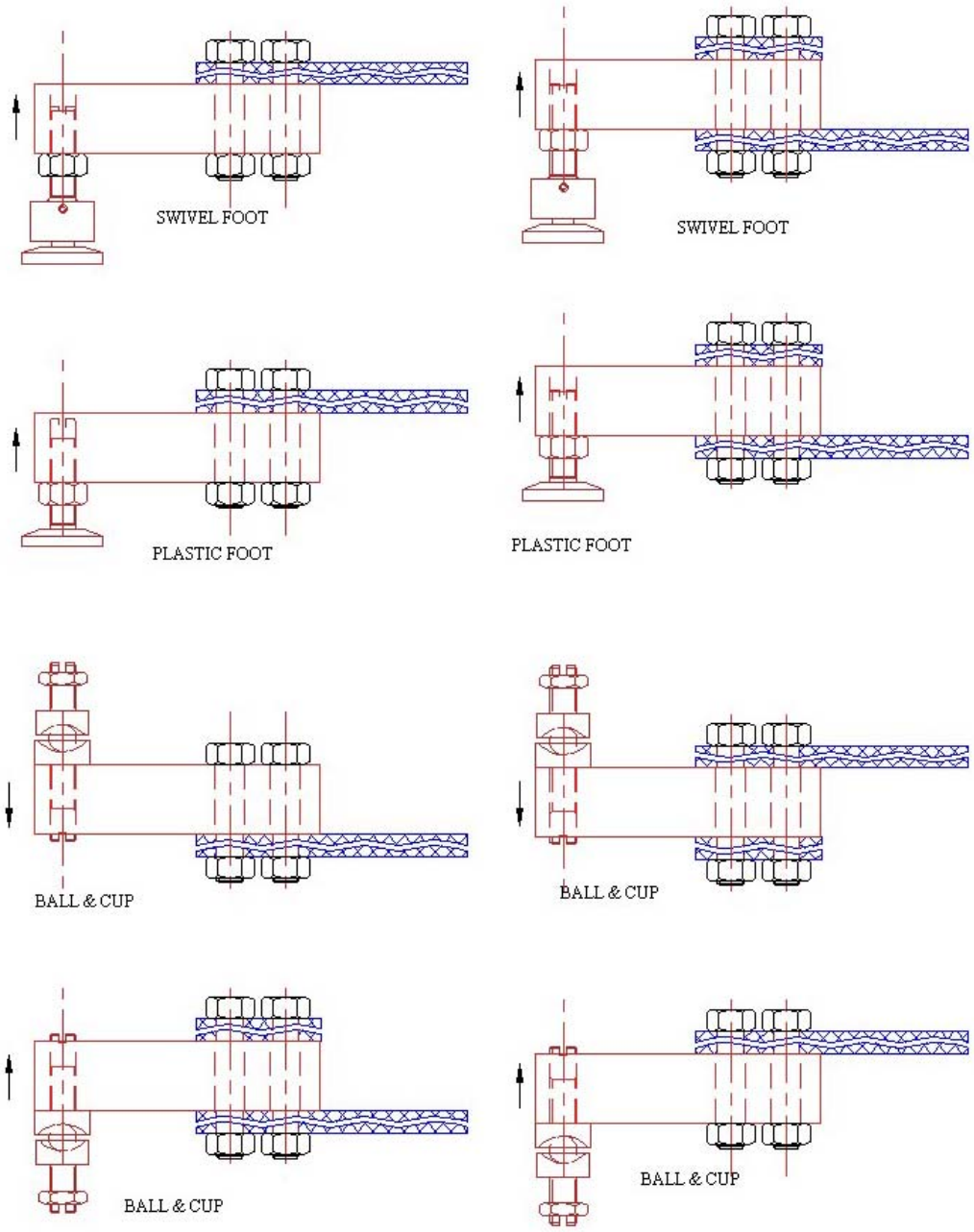
Wedderburn Model WSB1-C3-1.0t-4B Load Cell

FIGURE S488 – 2



Some Mounting Arrangements

FIGURE S488 – 3



More Mounting Arrangements

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