



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

Supplementary Certificate of Approval

No S526

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

Australian Weighing Equipment Model AGX-1-1t Load Cell

submitted by Australian Weighing Equipment Pty Ltd
50 Mandarin Street
Fairfield East NSW 2165.

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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 August 2014, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S526' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S526' in addition to the approval number of the instrument.

It is the submitter'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 National Measurement Institute reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

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.

DESCRIPTIVE ADVICE

Pattern: approved 14 July 2009

- An Australian Weighing Equipment model AGX-1-1t load cell of 1000 kg maximum capacity. May also be known as Gedge Systems load cell.

Variant : approved 14 July 2009

1. Certain other models of the AGX series with capacities and characteristics as listed in Table 1.

Technical Schedule No S526 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S526 dated 26 October 2009
Technical Schedule No S526 dated 26 October 2009 (incl. Table 1)
Figures 1 and 2 dated 26 October 2009

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

A handwritten signature in black ink, consisting of stylized cursive letters, positioned to the right of the signature text.

TECHNICAL SCHEDULE No S526

Pattern: Australian Weighing Equipment Model AGX-1-1t Load Cell

Submittor: Australian Weighing Equipment Pty Ltd
50 Mandarin Street
Fairfield East NSW 2165

1. Description of Pattern

An Australian Weighing Equipment model AGX-1-1t load cell of 1000 kg maximum capacity (Figure 1 and Table 1).

May also be known as Gedge Systems model GKAGX-1-1t load cell.

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:

Manufacturer's mark, or name written in full	Australian Weighing Equipment Pty Ltd
Model number
Maximum capacity, E_{\max} kg (or t)
Serial number
Pattern approval mark	NMI No S526

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1

Certain other models of the Australian Weighing Equipment AGX series (or Gedge Systems GKAGX series) with capacities and characteristics as listed in Table 1.

TABLE 1

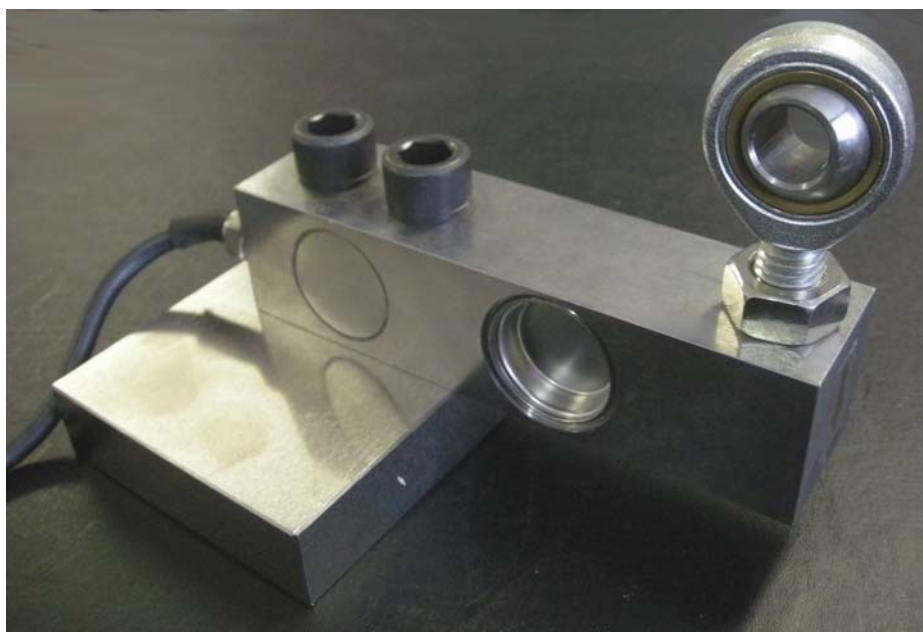
Model Number (in the form AGX-1-# or GKAGX-1-#) (*)	# = 1t	# = 1.5t	# = 2t	# = 2.5t	# = 3t	# = 5t
E_{max} (kg)	1000	1500	2000	2500	3000	5000
E_{min} (kg)	10	20	30	30	40	60
Class	C					
n_{max}	3000					
V_{min} (kg)	0.15	0.225	0.3	0.375	0.45	0.75
DR (kg)	0.166	0.25	0.333	0.416	0.5	0.833
mV/V	2					
Input imp.	385					
Voltage (V)	10					
Cable length (m)	6					
Number of leads (plus shield)	4					

(*) Model numbers are in the form AGX-1-# (or GKAGX-1-#) where # represents the maximum capacity in tonnes followed by 't', e.g. the pattern is a model AGX-1-1t (or GKAGX-1-1t) of 1 tonne (1 t, 1000 kg) capacity.

Where:

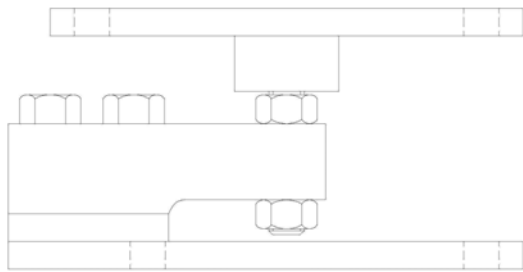
E_{max}	=	Maximum capacity
E_{min}	=	Minimum dead load
n_{max}	=	Maximum number of verification intervals
V_{min}	=	Minimum value of verification interval
DR	=	Minimum dead load output return value
mV/V	=	Output rating (nominal)
Input imp.	=	Input impedance (nominal)
Voltage	=	Maximum supply voltage (DC)

FIGURE S526 – 1

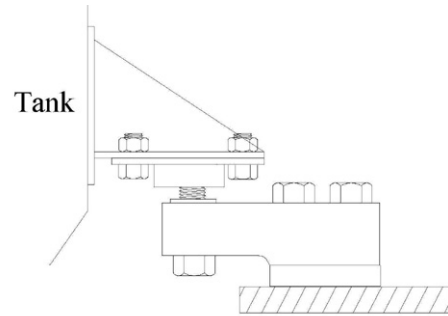


Australian Weighing Equipment Model AGX-1-1t Load Cell
Including Two Typical Mounting Arrangements

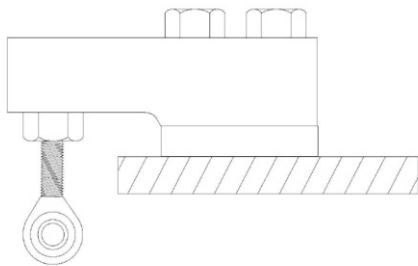
FIGURE S526 – 2



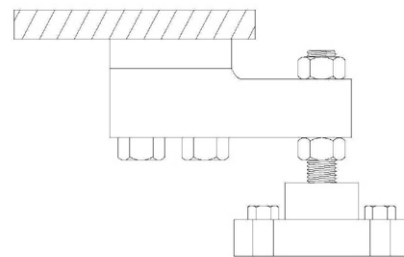
(a) Universal Mount



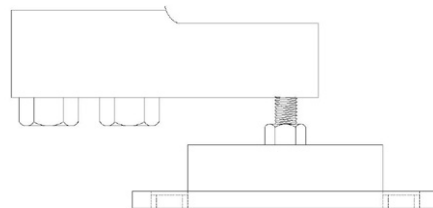
(b) Full Tank Mount (FTM)



(c) Suspension Mount



(d) Full Floor Mount (FFM) - General Purpose



(e) Bolt Down Rubber Mount (BDRM)

Alternative Mounting Arrangements