



**AUSTRALIAN
WEIGHING
EQUIPMENT**
Way ahead in Weighing

PRODUCT GUIDE

AGX-1 SHEAR BEAM LOAD CELL





AGX1 Shear Beam Load Cell

■ FEATURES

- First choice for most designs.
- Available in electroless nickel or stainless steel construction.
- Matched outputs make corner adjustments un-necessary in most applications.
- Load Cells are 100% tested to guarantee load and thermal specifications are met or exceeded.
- High accuracy 0.02% combined error.
- Wide range of “purpose built” stainless steel and plated mounts & accessories.
- Popular Capacities -50kg to 20,000kg
- Hermetically sealed IP68* rating.
- Laser* welded construction. Most similar loadcells have only bonded seals
- NMI (Trade) approved models.(S526)
- International Loadcell bolt pattern.

■ APPLICATIONS

- All Floor Scales
- Batch Weighing
- Hopper Filling & Level Control
- Food and Chemical Industry
- Bagging and Filling Machines
- Inventory Control - By Weight
- Shipping Scales
- Cattle Scales
- All Agricultural Applications

■ SPECIFICATIONS

Capacity	50kg - 20,000kg
Safe Overload	100% Capacity
Ultimate Load	300% Capacity
Safe Side Load	100% Capacity
Full Load Output	2.0mV/V ± 0.1%
Combined Error	<0.03% FS
Non Repeatability	<0.01% FS
Creep/Zero Return (30min)	<0.02% FS
Zero Balance	<1% FS
Span temperature effect	<20ppm/°C
Zero temperature effect	<20ppm/°C
Compensated Range	-10°C to +50°C
Operating Range	-20°C to +65°C
Excitation (Recommended)	5VDC to 12VDC
Excitation (Maximum)	18VDC

Input Resistance	385Ω ± 10Ω
Output Resistance	350Ω ± 3Ω
Insulation Resistance	>5,000MΩ

Material:	
(standard)	Electroless Nickel Plated Tool Steel
(stainless)	Polished 400/600 Series Steel

Environmental Protection Rating*	
Loadcells <250kg	IP67 - bonded seal
Loadcells ≥250kg	IP68 - welded seal

Cable length	5m
Cable type	5.5mm OD 4 core screened
Cable Entry	Gland & Cable Strain Relief



AGX1 Shear Beam Load Cell

■ DESCRIPTION

Description: The AGX1 Shear Beam is our most popular Loadcell. It is available in Electroless Nickel Plated Tool Steel as standard or in grade 400 Stainless Steel. It has generously sized attachment threads and through holes to allow the use of strong fixing bolts and ruggedly built attachments and mounts.

The AGX1 Laser* welded seal construction assures users of its IP68 environment protection rating and provides a safe environment for the long term protection of its internal construction.

There are NMI approved models covered by certificate S526 for use in trade certified systems.

Accessories. A wide range of accessories is available for all AGX1 Load Cells. They make using the AGX1 in your application easier and more cost effective while at the same time meeting your requirements for strength and durability. Refer to the AGX1 Shear Beam Load Cell Accessories Brochure for full details.

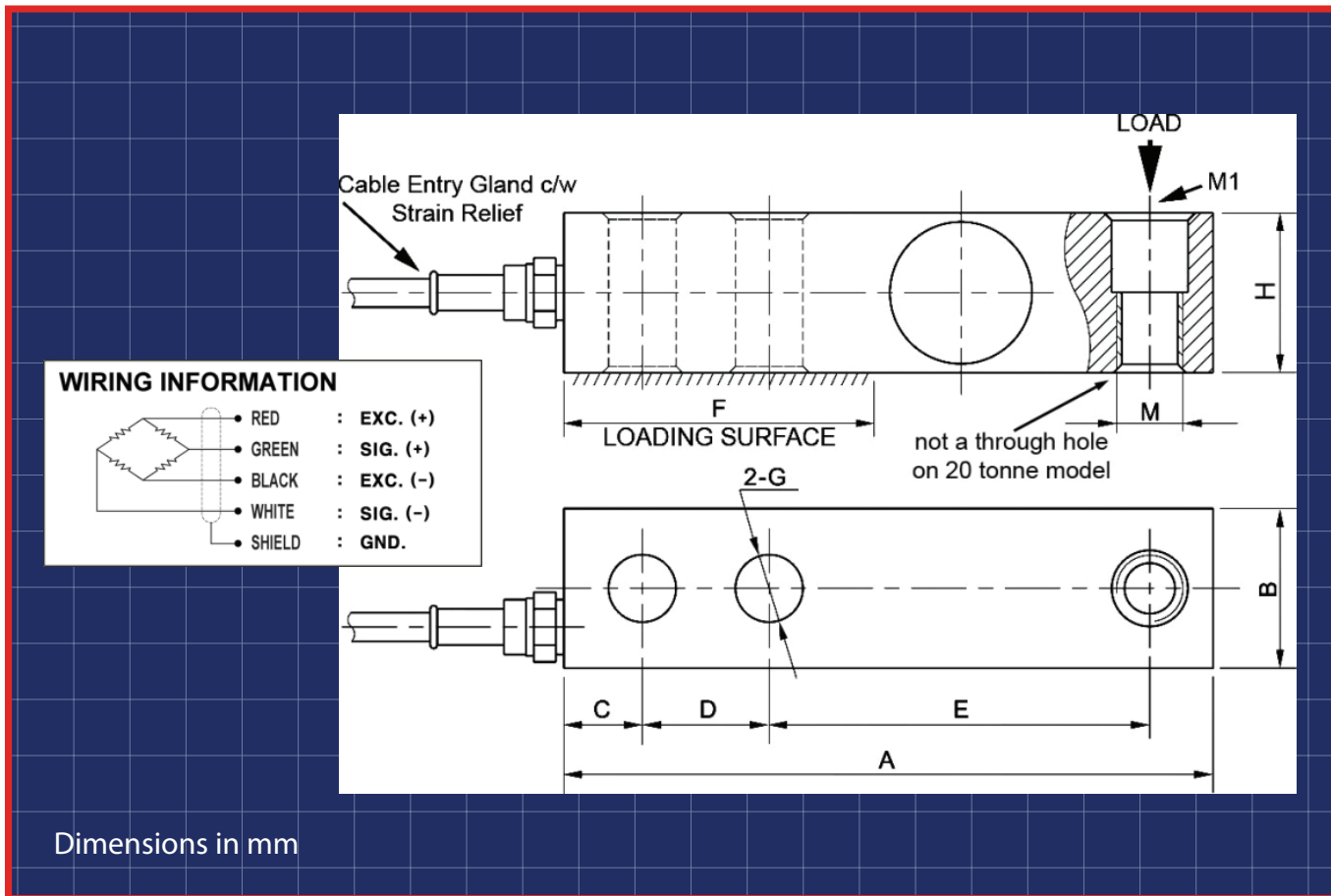
Specials: We can manufacture this Loadcell series in 1000 W gauging for low current applications. Cables may be supplied with blue sheathing and longer lengths. Consult our sales team for more information.

■ ORDERING

AGX1-50SS-50Kg SS IP67 Shear Beam
AGX1-100SS-100Kg SS IP67 Shear Beam
AGX1-250SSH-250Kg SS IP68 Shear Beam
AGX1-500SSH-500Kg SS IP68 Shear Beam
AGX1-500-500Kg Plated IP68 Shear Beam
AGX1-1TSSH-1000Kg SS IP68 Shear Beam
AGX1-1T-1000Kg Plated IP68 Shear Beam
AGX1-1T-C3-1000Kg Plated IP68 Shear Beam NMI Approved
AGX1-2TSSH-2000Kg SS IP68 Shear Beam
AGX1-2T-2000Kg Plated IP68 Shear Beam
AGX1-2T-C3-2000Kg Plated IP68 Shear Beam NMI Approved
AGX1-2.5TSSH- 2500Kg SS IP68 Shear Beam
AGX1-2.5T-2500Kg Plated IP68 Shear Beam
AGX1-2.5T-C3-2500Kg Plated IP68 Shear Beam NMI Approved
AGX1-S-3TSSH-3000Kg SS IP68 Shear Beam
AGX1-3T-3000Kg Plated IP68 Shear Beam
AGX1-3TC3-3000Kg Plated IP68 Shear Beam NMI Approved
AGX1-S-5TSSH-5000Kg SS IP68 Shear Beam
AGX1-5T-5000Kg Plated IP68 Shear Beam
AGX1-5T-C3-5000Kg Plated IP68 Shear Beam NMI Approved
AGX1-10TSSH-10 Tonne Stainless Steel IP68 Shear Beam
AGX1-10T-10 Tonne Plated IP68 Shear Beam
AGX1-20T-20 Tonne Plated IP68 Shear Beam c/w button



■ DIMENSIONS



CAP kg	A	B	C	D	E	F	G	H	M1	M
50-2,000	130	32	15.7	25.4	76.2	57	Ø13.5	32	Ø13.5 x 16d	M12x1.75
2,500-5,000	171.5	38	19.1	38	95.25	76	Ø20	38	Ø20 x 19d	M18x1.5
10,000	222.3	50.8	25.4	50.8	123.8	102	Ø26.2	50.8	Ø26.2 x 25d	M24x2
20,000	318	70	32	89	159	153	Ø34.0	82.5	Ø38 x 24d	(not a through hole)



■ **AWE - THE BEST IN THE BUSINESS**

AWE has built a reputation in providing world class products and services to customers from a wide range of industries for many unique applications. All the products come with AWE Quality Guarantee- giving you the assurance that they have been tested to meet or exceed the specifications and requirements of your application. At AWE, it's more than just delivering perfectly-designed equipment, it also requires a team of dedicated people who will back you up with great service and support. Any servicing, installation and technical support issues you encounter can be addressed either onsite or remotely by our engineers and tradesmen who carry qualifications as:

- Licensed Tradesmen
- Mechanical Engineers
- Electrical Engineers
- Structural Engineers
- Draftsmen
- Fitter & Turners
- Boilermakers
- Fully Qualified Scale Makers
- Electronic Technicians
- Instrument Fitters
- Electricians
- Service Technicians
- Project Managers
- Formworkers
- Concreters

Call AWE today.



If you have questions about

- **weighing equipment**
- **packaging equipment**
- **bulk materials handling**
- **componentry**

call the sales team at *AWE Group* to find the right solution for your individual needs.

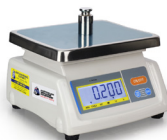
■ **AWE PRODUCT RANGE**



Weighbridges



Load Cells



Scales



Crane Scales



Indicators



Packaging Equipment



Onboard Weighing



Batching Consoles



Test Weight



Maintenance



■ WHO IS “AUSTRALIAN WEIGHING EQUIPMENT GROUP”

Jeff & Trevor Baillie started Australian Weighing Equipment (or AWE) in 1981, focusing on weighing solutions based on engineering principles. For nearly 40 years AWE has built its reputation as a leading supplier of robust weighing, packaging & bulk handling equipment. Our innovative engineering and continuous product developments have led to designs that will stand up to the rigours and demands of your applications.

AWE has increased its investment in manufacturing facilities with a new 3,200sq/m factory in Sydney which has

- A CNC Machine Shop
- Heavy Metal Fabrication Shop
- Larger work areas for our team of qualified tradesman

Acquisitions of Bradwood Packaging and Dendy Packaging and Design Engineering has increased our packaging and engineering experience.

In 2008, AWE established a manufacturing facility in China - AWE Group Packaging and Bulk Materials Handling Equipment, a purpose-built 5,000sq/m factory in Suzhou China (70kms From Shanghai).

All of the products we offer are Australian designed and manufactured under our strict quality control system in our own factories both locally and internationally.

■ LOCATIONS OF AUSTRALIAN WEIGHING EQUIPMENT



Australian Weighing
Equipment - Sydney Office

8 Heald Road
Ingleburn NSW 2565



Australian Weighing
Equipment - Melbourne Office

37 Barrie Road
Tullamarine, VIC, 3043



Australian Weighing
Equipment - Brisbane Office

7 Darnick Street
Underwood, QLD1 4119

■ AUSTRALIAN WEIGHING EQUIPMENT ON SOCIAL MEDIA



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www.youtube.com/AustWeighing



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