



**AUSTRALIAN
WEIGHING
EQUIPMENT**
Way ahead in Weighing

PRODUCT GUIDE

CHAIN SENSOR SYSTEM

- Higher accuracy $\pm 0.5\%$
- Versatile onboard weigher
- Instant weight reading





■ **ABOUT THE CHAIN SENSOR SYSTEM**

The Chain Sensor System is a simple and versatile onboard weigher which is suitable for most forklifts, reach trucks, stock pickers and side loaders. It is more expensive than our standard hydraulic based weighing systems, but the Chain Sensor System offers a higher level in accuracy - with up to 0.5% accuracy of machine capacity. With this system fitted to your machines, you can get an instant weight reading of any lifted load- the operator will no longer need to deviate from their working path to weigh loads on a platform scale or weighbridge. There are a choice of indicators

- Improved safety and adhere to OH&S standards
- Save time & money
- Low purchase price and installation costs
- Eliminate overload fines on loaded trucks

■ **FEATURES**

- $\pm 0.5\%$ accuracy of machine capacity
- 9Vdc to 70Vdc
- No loss of lifting capacity
- Rubber mounted bracket
- Rugged electronic design
- Australian design & manufactured
- Digital backlit display

■ **SUITABLE FOR**

- Forklift
- Reach Truck
- Stock Picker
- Side Loader

■ **HOW IT WORKS**

The Chain Sensor System load cell is fitted as a replacement link in the lifting mechanism chain. When a load is lifted, the load cell senses the tension in the chain and sends data to the indicator which displays instant weight reading.

available to pair with the Chain Sensor System, and a range of peripheral devices to customize the unit to better suit your applications and enhance safety, including; printers, audible alarms and hydraulic bypass systems. The simple design of this system features no moving parts and requires minimum maintenance which will save you time and money in the long run. Enjoy the benefits of installing the Chain Sensor System to your machines, including:

- Check consignment weights and incoming/outgoing goods
- Avoid trips to the weighbridge or platform scales
- Avoid machinery and racking overloading
- Reeving kits included
- Suits most chain types, or custom designs available
- Weatherproof housing
- Continuous weight read-out
- Proof loaded to 300% of capacity
- Compatible with Weight Master Totaliser and Safe Weigh
- Wide range of power supply designed for mobile equipment

The Chain Sensor Systems are the next level up in accuracy - offering up to **0.5% accuracy** of machine capacity. A simple and versatile onboard weigher.



■ **SPECIFICATIONS**

Chain Sensor System Specifications	
Type	Load cell digital technology with microprocessor control
Capacity	Suitable for most forklifts
Accuracy System:	±0.5% of capacity (e.g if lift capacity is 1000kg then an accuracy of worst case ± 5kg)
Resolution	1, 2, 5, 10, 20, 50, 100, 200 (selectable to suit forklift)
Temperature	-10°C to 70°C operating range
Supply	Voltage: 9Vdc to 70Vdc standard
	Current: Less than 200mA
Housing	Material: Weatherproof (IP65)
	Size: 250mm (w), 150mm (h), 125mm (d)
	Material: Powder coated aluminium case stainless steel bracket
Display	Digital LCD with other output options required e.g. alarm, printer, wi-fi are available
Warranty	12 months on instrument and sensors 6 months on calibration
Fitting time	Four (4) hours typically
Recalibration	Recommended six (6) monthly
Manufacture	100% Australian made
Printer type:	60 mm plain paper
	Characters: 20 per line
	Supply: 12v DC
	Current: 16 to 60v with optional adapter
	Fields: 200 mA standby 1A peak printing
	Date, time, gross weight, net weight, tare, number of loads, total, grand total and customised header
Pressure diversion System (when fitted)	Hydraulic pressure diversion system suitable for interlocking into main lift ram to stop forklift lifting only lowering to ground when in overload status
Other Options:	Wifi, Bluetooth, datalogging, software, links to computers, weigh in motion, relay outputs

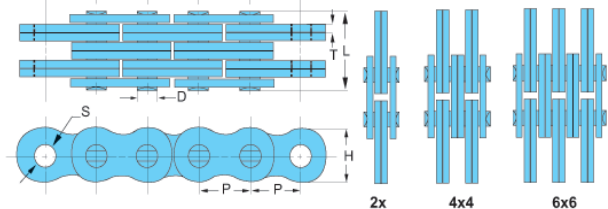


■ CHAIN LOAD CELL SELECTION CHART

AL Series

AL Series leaf chains - light duty - consist of link plates with the same contour and thickness as the pin link plates of ANSI roller chains having the same pitch.

Chain No.	Pitch	Lacing	Min. Tensile Strength kN {kgf} 16.7 {1,700}	Pin Dia	Pin Overall Length	Link Plate Thickness	Link Plate Height	Hole Dia. (min)	Approx. Weight
	P			D	L	T	H	S	kg/m
AL-422	12.70	2 x 2	16.7 (1,700)	3.97	8.40	1.50	10.40	4.02	0.38
AL-444	12.70	4 x 4	33.3 (3,400)	3.97	14.85	1.50	10.40	4.02	0.74
AL-466	12.70	6 x 6	50.0 (5,100)	3.97	21.30	1.50	10.40	4.02	1.10
AL-522	15.875	2 x 2	27.5 (2,800)	5.08	10.85	2.00	13.00	5.13	0.62
AL-544	15.875	4 x 4	54.9 (5,600)	5.08	19.35	2.00	13.00	5.13	1.22
AL-566	15.875	6 x 6	82.4 (8,400)	5.08	27.80	2.00	13.00	5.13	1.81
AL-622	19.05	2 x 2	38.2 (3,900)	5.94	12.65	2.40	15.60	6.00	0.87
AL-644	19.05	4 x 4	76.5 (7,800)	5.94	22.55	2.40	15.60	6.00	1.71
AL-666	19.05	6 x 6	115 (11,700)	5.94	32.45	2.40	15.60	6.00	2.54
AL-822	25.40	2 x 2	64.7 (6,600)	7.90	16.35	3.20	20.80	7.97	1.51
AL-844	25.40	4 x 4	129 (13,200)	7.90	29.80	3.20	20.80	7.97	2.98
AL-866	25.40	6 x 6	194 (19,800)	7.90	43.20	3.20	20.80	7.97	4.44
AL-1022	31.75	2 x 2	98.1 (10,000)	9.48	20.05	4.00	26.00	9.57	2.69
AL-1044	31.75	4 x 4	196 (20,000)	9.48	36.70	4.00	26.00	9.57	5.31
AL-1066	31.75	6 x 6	294 (30,000)	9.48	53.30	4.00	26.00	9.57	7.93
AL-1222	38.10	2 x 2	141 (14,400)	11.04	24.20	4.80	31.20	11.14	3.57
AL-1244	38.10	4 x 4	282 (28,800)	11.04	44.00	4.80	31.20	11.14	7.07
AL-1266	38.10	6 x 6	424 (43,200)	11.04	63.85	4.80	31.20	11.14	10.56
AL-1444	44.45	4 x 4	373 (38,000)	12.64	51.30	5.60	36.40	12.74	10.34
AL-1466	44.45	6 x 6	559 (57,000)	12.64	74.55	5.60	36.40	12.74	15.16
AL-1644	50.80	4 x 4	471 (48,000)	14.21	58.05	6.40	41.60	14.32	12.98
AL-1666	50.80	6 x 6	706 (72,000)	14.21	84.45	6.40	41.60	14.32	19.41

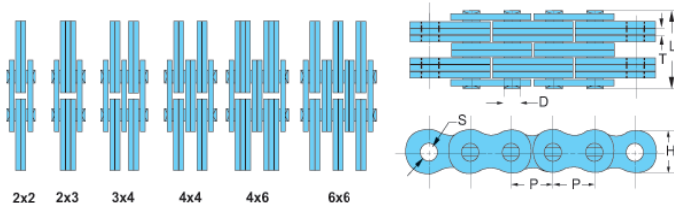


Load cells for chain systems come in all of the above standard configurations as standard. Should you require a custom design, please let us know and we will manufacture to suit your requirements. Please specify model type when ordering loadcell chain systems.

BL Series

Heavy Duty BL series leaf chains incorporate link plates from the next larger size pitch ANSI roller chains.

Chain No.	Pitch	Lacing	Min. Tensile Strength kN {kgf} 16.7 {1,700}	Pin Dia	Pin Overall Length	Link Plate Thickness	Link Plate Height	Hole Dia. (min)	Approx. Weight
	P			D	L	T	H	S	kg/m
BL-422	12.70	2 x 2	23.5 (2,400)	5.08	10.85	2.00	12.00	5.13	0.68
BL-423	12.70	2 x 3	23.5 (2,400)	5.08	12.95	2.00	12.00	5.13	0.84
BL-434	12.70	3 x 4	35.3 (3,600)	5.08	17.20	2.00	12.00	5.13	1.13
BL-444	12.70	4 x 4	47.1 (4,800)	5.08	19.41	2.00	12.00	5.13	1.28
BL-446	12.70	4 x 6	47.1 (4,800)	5.08	23.60	2.00	12.00	5.13	1.65
BL-466	12.70	6 x 6	69.6 (7,100)	5.08	27.80	2.00	12.00	5.13	1.96
BL-522	15.875	2 x 2	39.2 (4,000)	5.94	12.65	2.40	15.00	6.00	1.07
BL-523	15.875	2 x 3	39.2 (4,000)	5.94	15.10	2.40	15.00	6.00	1.27
BL-534	15.875	3 x 4	58.8 (6,000)	5.94	20.10	2.40	15.00	6.00	1.69
BL-544	15.875	4 x 4	78.5 (8,000)	5.94	22.56	2.40	15.00	6.00	1.89
BL-546	15.875	4 x 6	78.5 (8,000)	5.94	27.50	2.40	15.00	6.00	2.40
BL-566	15.875	6 x 6	118 (12,000)	5.94	32.45	2.40	15.00	6.00	2.80
BL-622	19.05	2 x 2	63.7 (6,500)	7.90	16.38	3.20	18.10	7.97	1.68
BL-623	19.05	2 x 3	63.7 (6,500)	7.90	19.75	3.20	18.10	7.97	2.04
BL-634	19.05	3 x 4	95.6 (9,750)	7.90	26.45	3.20	18.10	7.97	2.83
BL-644	19.05	4 x 4	127 (13,000)	7.90	29.80	3.20	18.10	7.97	3.18
BL-646	19.05	4 x 6	127 (13,000)	7.90	36.50	3.20	18.10	7.97	4.01
BL-666	19.05	6 x 6	191 (19,500)	7.90	43.20	3.20	18.10	7.97	4.73
BL-822	25.40	2 x 2	103 (10,500)	9.48	20.17	4.00	24.10	9.57	2.59
BL-823	25.40	2 x 3	103 (10,500)	9.48	24.20	4.00	24.10	9.57	3.20
BL-834	25.40	3 x 4	155 (15,800)	9.48	32.55	4.00	24.10	9.57	4.44
BL-844	25.40	4 x 4	190 (19,400)	9.48	36.90	4.00	24.10	9.57	5.04
BL-846	25.40	4 x 6	206 (21,000)	9.48	45.00	4.00	24.10	9.57	6.32
BL-866	25.40	6 x 6	286 (29,200)	9.48	53.30	4.00	24.10	9.57	7.54
BL-1022	31.75	2 x 2	141 (14,400)	11.04	23.98	4.80	30.10	11.14	3.76
BL-1023	31.75	2 x 3	141 (14,400)	11.04	28.90	4.80	30.10	11.14	4.69
BL-1034	31.75	3 x 4	216 (22,000)	11.04	38.85	4.80	30.10	11.14	6.55
BL-1044	31.75	4 x 4	282 (28,800)	11.04	43.39	4.80	30.10	11.14	7.48
BL-1046	31.75	4 x 6	282 (28,800)	11.04	53.70	4.80	30.10	11.14	9.29
BL-1066	31.75	6 x 6	424 (43,200)	11.04	63.85	4.80	30.10	11.14	11.16
BL-1222	38.10	2 x 2	186 (19,000)	12.64	28.04	5.60	36.20	12.74	4.83
BL-1223	38.10	2 x 3	186 (19,000)	12.64	33.90	5.60	36.20	12.74	6.54
BL-1234	38.10	3 x 4	299 (30,500)	12.64	45.50	5.60	36.20	12.74	9.10
BL-1244	38.10	4 x 4	373 (38,000)	12.64	51.30	5.60	36.20	12.74	10.39
BL-1246	38.10	4 x 6	373 (38,000)	12.64	62.95	5.60	36.20	12.74	12.01
BL-1266	38.10	6 x 6	559 (57,000)	12.64	74.57	5.60	36.20	12.74	14.58
BL-1422	44.45	2 x 2	235 (24,000)	14.21	31.82	6.40	42.20	14.32	7.31
BL-1423	44.45	2 x 3	235 (24,000)	14.21	38.20	6.40	42.20	14.32	9.06
BL-1434	44.45	3 x 4	387 (39,500)	14.21	51.40	6.40	42.20	14.32	11.32
BL-1444	44.45	4 x 4	471 (48,000)	14.21	58.05	6.40	42.20	14.32	12.96
BL-1446	44.45	4 x 6	471 (48,000)	14.21	71.25	6.40	42.20	14.32	18.00
BL-1466	44.45	6 x 6	706 (72,000)	14.21	84.46	6.40	42.20	14.32	22.51
BL-1622	50.80	2 x 2	353 (36,000)	17.38	35.59	7.20	48.20	17.49	9.84
BL-1623	50.80	2 x 3	353 (36,000)	17.38	43.25	7.20	48.20	17.49	12.16
BL-1634	50.80	3 x 4	554 (56,500)	17.38	58.40	7.20	48.20	17.49	16.95
BL-1644	50.80	4 x 4	706 (72,000)	17.38	65.86	7.20	48.20	17.49	18.97
BL-1646	50.80	4 x 6	706 (72,000)	17.38	81.05	7.20	48.20	17.49	24.09
BL-1666	50.80	6 x 6	1060 (108,100)	17.38	96.15	7.20	48.20	17.49	28.73
BL-1688	50.80	8 x 8	1156 (118,000)	17.38	122.8	7.20	48.20	17.49	36.00
BL-2022	63.50	2 x 2	530 (54,000)	23.73	47.94	9.50	60.30	23.84	14.43
BL-2023	63.50	2 x 3	531 (54,100)	23.73	57.90	9.50	60.30	23.84	17.95
BL-2034	63.50	3 x 4	795 (81,100)	23.73	77.82	9.50	60.30	23.84	24.95
BL-2044	63.50	4 x 4	1062 (108,200)	23.73	87.78	9.50	60.30	23.84	28.45
BL-2046	63.50	4 x 6	1062 (108,200)	23.73	107.70	9.50	60.30	23.84	35.44
BL-2066	63.50	6 x 6	1592 (162,300)	23.73	127.62	9.50	60.30	23.84	42.01





■ **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:

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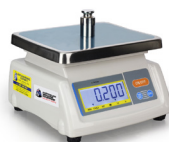
■ **AWE PRODUCT RANGE**



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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