

# Straightpoint

## Load Monitoring Products



making the lifting industry a safer place



# Company Profile



**Since 1976 Straightpoint's world-class, solution-based systems have been at the forefront of industrial weighing and load monitoring technology.**

With UK headquarters, a US subsidiary, and global dealer network, the simple to use, cost-effective product range has enhanced safety for engineers and rigging professionals worldwide for 40 years. The engineering team design and manufacture a broad spectrum of first-class products to capacities in excess of 1,500 tonnes to include:

- Tension 'Link' load cells
- Telemetry load cells
- Shackle load cells
- Dynamometers
- Crane scales
- Compression load cells
- Load pins
- Software solutions

The Straightpoint team pride themselves on the development and distribution of world-class load monitoring, weighing and force measurement systems.

Straightpoint's wireless Windows-based software, and full line

of accessories allow for the simple and easy, acquisition and analysis of force and load monitoring data.

All Straightpoint products are fully tested and available for next day dispatch in an aluminium flight case (or wooden crate for large capacities) with full documentation including multi lingual manuals, certificates of calibration/proof test and CE conformity.

World-class calibration and repair services are offered for all models as well as other manufacturers' load cells.

Straightpoint products are utilised within many industries worldwide:

- Shipping and marine
- Mining
- Transport
- Health and safety
- Entertainment
- Crane and rigging
- Salvage and decommissioning
- Oil and gas
- Construction
- Power generation
- Utilities
- Topsides
- Break bulk
- Military

Straightpoint's highly qualified team of product specialists are available to assist with any application, and its global network of first-class distributors ensure that wherever your location, an approved Straightpoint dealer is close by.

Straightpoint's continued investment in research and development enables them to remain at the forefront of technological development with world-leading products and performance to meet their customers' demands.

**With hundreds of units always in stock, Straightpoint aim to deliver any standard product up to capacities in excess of 1,500 tonnes anywhere in the world—FAST!**



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## Accreditations

**Straightpoint is an ISO9001:2008 approved company (registration number FM 584438) audited by the British Standards Institute (BSI) who are a notified UKAS body.**

Straightpoint's hazardous area products are verified by SIRA, notification No: SIRA 15 ATEX M725

Members of key associations such as LEEA (Lifting Equipment Engineers Association), AWRF (American Wire Rope Fabricators) and SC&RA (Specialized Carriers & Rigging Association).

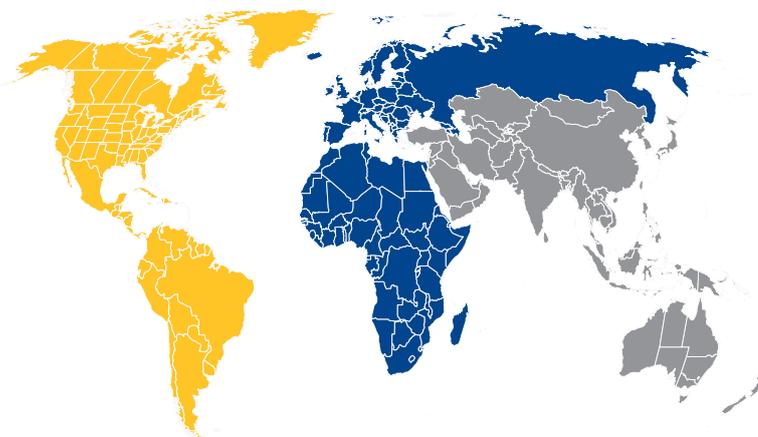
Several key personnel are members of ASME (American Society of Mechanical Engineers).



## Warranty

**All Straightpoint products ship with a two-year warranty.**

## Straightpoint Global Distribution



## Contact details

### Headquarters

Straightpoint UK Ltd  
Unit 9, Dakota Park, Downley Road  
Havant, Hampshire, PO9 2NJ UK  
Tel: +44 2392 484491

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Camarillo, CA 93012, USA  
Tel: +1 (805) 246-1462

Houston sales: (713) 955-2655  
Minneapolis sales: (612) 808-8969

# Radiolink plus



## Wall or Cab Mount Bracket

available for handheld  
Part No.  
SU3282



## Features and benefits:

- Proprietary 2.4 GHz wireless
- Industry leading wireless range of 700m/2300ft
- Error free data transmission
- Unrivalled resolution
- Environmentally sealed to IP67/NEMA6
- 90db Audible overload alarm
- Unmatched battery life of 1200hrs
- Internal antennae
- Compact size
- Remote on-off
- Lightweight aluminium
- 100 Hz Peak hold
- Advanced options available
- Push button tare
- Design validated by F.E.A.

Capable of both weighing and dynamic load monitoring, the latest Radiolink plus is constructed of high-quality aircraft grade aluminium and features an advanced internal design structure. This internal design structure not only provides the product with an unrivalled strength to weight ratio but it also allows the use of a separate internal sealed enclosure providing the load cell's electronic components with IP67/NEMA6 environmental protection even with the battery cover plate missing, making this industry leading dynamometer even more suitable for use in the harshest environments.

Featuring industry leading wireless technology and range of 700m/2300ft, the versatile Radiolink plus is supplied with an update rate of 3Hz and can be easily configured to run at industry leading speeds of up to 200Hz. Data is transmitted wirelessly utilising the latest in IEEE 802.15.4 (2.4 GHz) technology providing safe, high integrity, error free transmission of both static weight and dynamic load to a wireless handheld controller.

Designed for measurement of both static and dynamic loads the Radiolink plus can also be used in combination with

Straightpoint's range of SW-MWLC high speed wireless data logging software allowing for simultaneous control, display and real time data logging of up to 100 Straightpoint wireless load cells. The Radiolink plus may also be used with Straightpoint's Proof Test plus software package allowing the operator to perform load tests at a safe distance and generate real time test certificates on site.

The Radiolink plus utilises easily sourced AA alkaline batteries and features advanced circuitry designed to protect the unit from damage associated with incorrectly installed batteries. This advanced circuitry extends battery life and the use of easily sourced alkaline batteries eliminates issues associated with rechargeable battery pack charging, failure and replacement.

A full array of wireless accessories are also available including signal boosters, LED wireless scoreboards and base stations with analogue (4-20mA, 0-10v, 0-5v) or digital (RS232/485, Modbus RTU, and ASCII serial communications protocol) outputs.

It is easy to see why, globally, the Radiolink plus is the number one choice for weighing and dynamic load monitoring in critical lift planning and execution.



**making the lifting industry a safer place**

Also available with hazardous area approval



**ATEX / IECEx**  
Ex ia II C T4 Ga

Certification numbers:

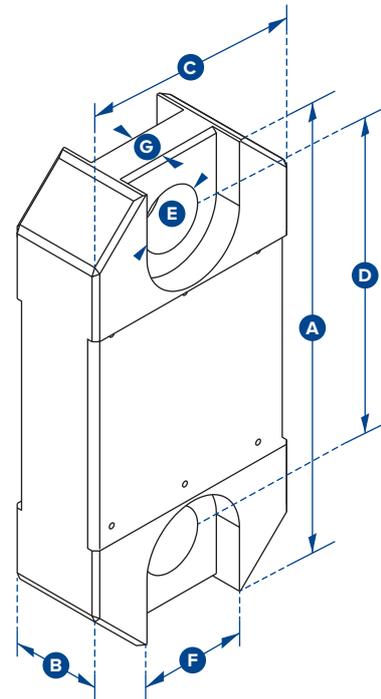
**RLP ATEX**

IECEx SIR 15.0071X / Sira 15ATEX2195X

**SW-HHP ATEX**

IECEx SIR 15.0072X / Sira 15ATEX2196X

**Add 'ATEX' to the part number when ordering ATEX/IECEx products. For example: RLP5T-ATEX**



Part Number	RLP1T	RLP2T5	RLP5T	RLP12T	RLP25T	RLP35T	RLP50T	RLP75T	RLP100T	RLP150T	RLP200T	RLP250T	RLP300T
Capacity	1,000kg 2200lb	2.5te 5500lb	5te 11000lb	12te 26000lb	25te 55000lb	35te 77000lb	50te 110000lb	75te 165000lb	100te 220000lb	150te 330000lb	200te 440000lb	250te 550000lb	300te 660000lb
Resolution	0.5kg 1lb	0.001te 2lb	0.001te 2lb	0.002te 5lb	0.005te 10lb	0.005te 10lb	0.01te 20lb	0.01te 20lb	0.05te 100lb	0.05te 100lb	0.1te 200lb	0.1te 200lb	0.1te 200lb
Units	kg lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb
Weight	1.4kg 3.1lb	1.4kg 3.1lb	2kg 4.4lb	3.2kg 7.1lb	5kg 11lb	8.6kg 19lb	11.5kg 25.3lb	16kg 35.3lb	34kg 75lb	46kg 101.4lb	72kg 158.7lb	72kg 158.7lb	118kg 260lb
Safety Factor	12:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	4:1	5:1	4:1	5:1
Battery Type	Handheld 2 x AA/Load cell 4 x AA												
Battery Life	Handheld 60 hours/Load cell 1200 hours continuous												
Display Type	6 digit 25mm / 1" LCD												
Operating Temp	-10°C to +50°C / 14°F to 122°F												
Accuracy	± 0.3% of applied load												
Frequency	2.4 GHz												
System Range	700 metres / 2300 feet												
Data Rate	3 Hz - up to 200 Hz can be ordered for dynamic load monitoring applications												
Protection	IP67 / NEMA 6												
Dimension A	204 8.03"	204 8.03"	249 9.80"	305 12.01"	340 13.39"	393 15.47"	424 16.69"	470 18.50"	608 23.94"	670 26.38"	700 27.56"	700 27.56"	806 31.73"
Dimension B	43 1.69"	43 1.69"	43 1.69"	47 1.85"	60 2.36"	75 2.95"	75 2.95"	75 2.95"	99 3.90"	99 3.90"	144 5.67"	144 5.67"	150 5.91"
Dimension C	101 3.98"	101 3.98"	101 3.98"	101 3.98"	115 4.53"	126 4.96"	163 6.42"	202 7.95"	255 10.04"	303 11.93"	320 12.60"	320 12.60"	426 16.77"
Dimension D	146 5.75"	146 5.75"	165 6.50"	193 7.60"	215 8.46"	225 8.86"	230 9.06"	260 10.24"	320 12.60"	360 14.17"	350 13.78"	350 13.78"	350 13.78"
Dimension ØE	24.5 0.96"	24.5 0.96"	38 1.50"	47.5 1.87"	55 2.17"	60 2.36"	76 2.99"	76 2.99"	109 4.29"	109 4.29"	132 5.20"	132 5.20"	160 6.30"
Dimension F	48 1.89"	48 1.89"	66 2.60"	Not relevant in this capacity									
Dimension G	19 0.75"	19 0.75"	32 1.26"										
Crosby Shackle	G2130						G2140						
Loading Pin Ø	19 3/4"	19 3/4"	25 1"	35 13/8"	51 2"	57 2 1/4"	57 2 1/4"	70 2 3/4"	83 3 1/4"	95 3 3/4"	121 4 3/4"	127 5"	152 6"

# Wireless Loadshackle



## Features and benefits:

- Proprietary 2.4 GHz wireless
- Error free data transmission
- Industry Leading Wireless Range of 700m/2300ft
- Environmentally sealed to IP67/NEMA6
- Internal antennae
- Remote on/off
- Unrivalled resolution
- Unmatched battery life of 1200hrs
- Low headroom solution
- Manufactured using leading brand shackles
- Each WLS is supplied with a load-centring bobbin
- Design validated by F.E.A.

**Available from stock in capacities 3.25t to 120t and available up to 1,550t, the WLS is manufactured from Crosby's industry leading 2130 Carbon and 2140 Alloy Bolt Type Anchor Shackles (3.25te – 120te) and the GN H10 Alloy Bolt Type Anchor Shackle (200te on up).**

Straightpoint's Wireless Loadshackle provides the perfect solution to limited headroom applications. Each Wireless Loadshackle is proof tested, then equipped with a hard anodised aluminium electronics enclosure. Contained within this aluminium enclosure is a new internal chassis providing IP67/NEMA6 environmental protection even with the battery cover plate missing.

Featuring industry leading wireless technology and range of 700m/2300ft, the Wireless Loadshackle is supplied with an update rate of 3Hz and can be easily configured to run at industry leading speeds of up to 200Hz. Data is transmitted wirelessly utilising the latest in IEEE 802.15.4 (2.4 GHz) technology providing safe, high integrity, error free transmission of both static weight and dynamic load to a wireless handheld controller or wireless Windows PC data logging software package. Straightpoint's wireless data logging software allows for simultaneous control, display and real time data logging of up to 100 Straightpoint telemetry load

cells. Logged data is captured in a .csv file format and opens in MS Excel providing easy visual presentation, analysis of logged data, and simple test certificate generation.

The Wireless Loadshackle may also be used with Straightpoint's SW-PTP software package allowing the operator to perform load tests at a safe distance and generate real time test certificates on site.

Straightpoint's Wireless Loadshackle utilises easily sourced AA alkaline batteries and features advanced circuitry designed to protect the unit from damage associated with incorrectly installed batteries. This advanced circuitry extends battery life and the use of easily sourced alkaline batteries eliminates issues associated with rechargeable battery pack charging, failure and replacement. Straightpoint's huge range of tooling allows the engineers to calibrate in shackle for extra accuracy unlike many other load cell manufacturers.

A full array of wireless accessories are also available including signal boosters, LED wireless scoreboards and base stations with analogue (4-20mA, 0-10v, 0-5v) or digital (RS232/485, Modbus RTU, and ASCII serial communications protocol) outputs. There is no better choice than Straightpoint's Wireless Loadshackle for limited headroom applications.



**making the lifting industry a safer place**

Also available with hazardous area approval



**ATEX / IECEx**

**Ex ia II C T4 Ga**

Certification numbers:

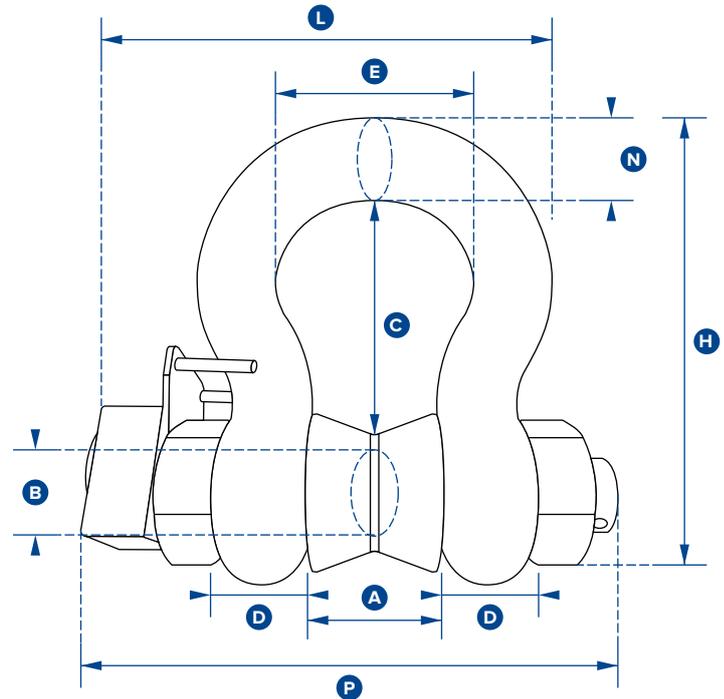
**WLS ATEX**

IECEX SIR 16.0041X / Sira 16ATEX2108X

**SW-HHP ATEX**

IECEX SIR 15.0072X / Sira 15ATEX2196X

**Add 'ATEX' to the part number when ordering ATEX/IECEX products. For example: WLS3.25T-ATEX**



Part Number	WLS3.25T	WLS6.5T	WLS12T	WLS25T	WLS55T	WLS85T	WLS120T	WLS200T	WLS300T	WLS400T
Capacity	3.25te	6.5te	12te	25te	55te	85te	120te	200te	300te	400te
	7150lb	14300lb	26400lb	55000lb	120000lbs	185000lbs	260000lbs	440000lbs	660000lbs	880000lbs
Resolution	0.005te	0.005te	0.01te	0.02te	0.05te	0.05te	0.1te	0.2te	0.5te	0.5te
	10lb	10lb	20lb	50lb	100lb	100lb	200lb	200lb	1000lb	1000lb
Units	tonne									
Weight	lb									
	2.8kg	3.2kg	8kg	18kg	25kg	45kg	85kg	254kg	374kg	614kg
	6.16lb	7lb	17.6lb	40lb	55lb	99lb	187lb	560lb	825lb	1354lb
Safety Factor	5:1 when used with load bobbin									
Battery Type	Load cell 4 x AA Alkaline									
Battery Life	Load cell 1,200 hours continuous									
Operating Temp	-10°C to +50°C / 14°F to 122°F									
Accuracy	±1% of applied load									
Frequency	2.4 GHz									
System Range	700 metres / 2300 feet									
Data Rate	3 updates per second									
Protection	IP67 / NEMA 6									
Dimension A	26.9	36.6	51.5	73	82.5	105	127	180	205	230
	1.06"	1.44"	2.03"	2.87"	3.25"	4.13"	5.00"	7.09"	8.07"	9.06"
Dimension ØB	19.1	25.4	35.1	51	57	70	82.5	125	150	175
	0.75"	1.00"	1.38"	2.01"	2.24"	2.76"	3.25"	4.92"	5.91"	6.89"
Dimension C	56.9	79.7	113	170	189.5	253	319.5	334	398	440
	2.24"	3.14"	4.45"	6.69"	7.46"	9.96"	12.58"	13.15"	15.67"	17.32"
Dimension D	16	22.4	31.8	44.5	51	66.5	76	120	130	165
	0.63"	0.88"	1.25"	1.75"	2.01"	2.62"	2.99"	4.72"	5.12"	6.50"
Dimension E	42.9	58	82.5	127	164	184	200	290	305	325
	1.69"	2.28"	3.25"	5.00"	6.46"	7.24"	7.87"	11.42"	12.01"	12.80"
Dimension H	106	148	210	313	348	453	546	810	950	1100
	4.17"	5.83"	8.27"	12.32"	13.70"	17.83"	21.50"	31.89"	37.40"	43.31"
Dimension L	127.1	156.5	196	281	306	368	408	580	615	705
	5.00"	6.16"	7.72"	11.06"	12.05"	14.49"	16.06"	22.83"	24.21"	27.76"
Dimension N	17.5	24.6	35.1	57	61	79	92	120	130	165
	0.69"	0.97"	1.38"	2.24"	2.40"	3.11"	3.62"	4.72"	5.12"	6.50"
Dimension P	143	173	218	293	317	394	441	565	615	711
	5.63"	6.81"	8.58"	11.54"	12.48"	15.51"	17.36"	22.24"	24.21"	27.99"

# Wireless Low Headroom Link



## Features and benefits:

- Low headroom
- Range from 1t to 30t
- Lightweight and portable
- Accepts standard shackles
- Constructed from high strength alloy steel
- Proprietary 2.4 GHz wireless
- Industry leading wireless range of 700m or 2300ft
- Error free data transmission
- Environmentally sealed to IP67 or NEMA 6
- 90db Audible overload alarm
- Unmatched battery life of 1200 hours
- Internal antennae
- Remote on-off

The versatile WDB is supplied with an update rate of 3 Hz and can be easily configured to run at industry leading speeds of up to 200 Hz.

Data is transmitted wirelessly utilising the latest in IEEE 802.15.4 (2.4 GHz) technology providing safe, high integrity, error free transmission of both static weight and dynamic loads to Straightpoint's SW-HHP wireless handheld display or up to 100 WDB load cells may be connected to our SW-MWLC multi load cell data logging software.

Environmentally sealed in an aerospace aluminium enclosure and sealed to IP67 or NEMA 6 the WDB utilises easily sourced AA alkaline batteries and features advanced circuitry designed to protect the unit from damage associated with incorrectly installed batteries.

This advanced circuitry extends battery life and the use of easily sourced alkaline batteries eliminates issues associated with rechargeable battery pack charging, failure and replacement.

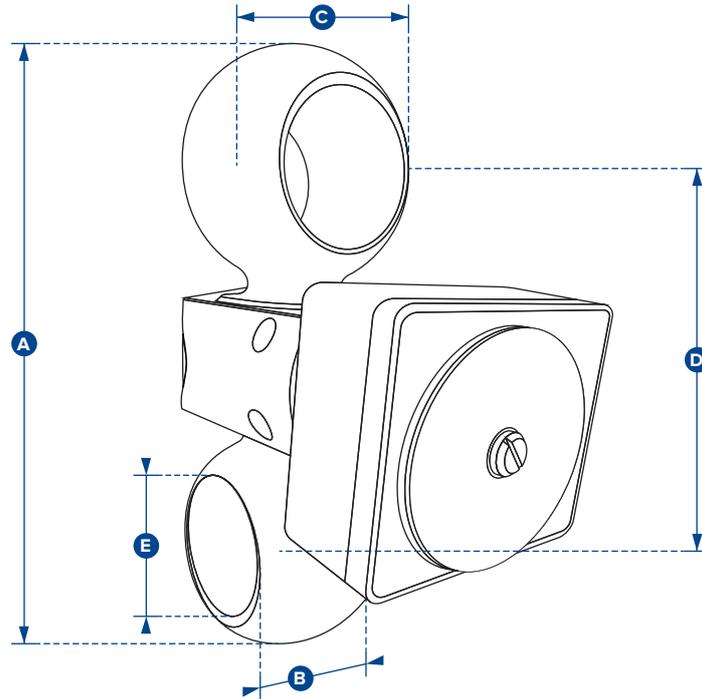
**Now available as a wireless product the Straightpoint range of Low Headroom Links are designed to provide accurate measurement of loads in the most challenging applications where headroom restrictions are a major factor.**

Constructed from high strength alloy steel and exposed to an array of testing during development, this impressive range of load cells is designed to work with industry standard shackles from manufacturers such as Crosby and Van Beest. Applications include weighing, lifting, force measurement and load monitoring of structures such as lighting trusses, hoist mountings and fly line tensioning.

The unique low headroom design combines the ability to lift loads with capacities up to 30t and features industry leading wireless technology and range of 700m or 2300ft.



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Part Number	WDB1T	WDB3T	WDB5T	WDB10T	WDB20T	WDB30T
Capacity	1000kg	3te	5te	10te	20te	30te
	2200lb	6600lb	11000lb	22000lb	44000lb	66000lb
Resolution	0.5kg	0.001te	0.001te	0.002te	0.005te	0.005te
	1lb	2lb	2lb	4lb	10lb	10lb
Units	tonne					
	lb					
Weight	1kg	1.2kg	2kg	2.5kg	4kg	6.2kg
	2.2lb	2.6lb	4.4lb	5.5lb	8.8lb	13.7lb
Safety Factor	5:1					
Battery Type	Load cell 4 x AA Alkaline					
Battery Life	Load cell 1,200 hours continuous					
Operating Temp	-10°C to +50°C / 14°F to 122°F					
Accuracy	± 0.3% of applied load					
Frequency	2.4 GHz					
Range	700 metres / 2300 feet					
Data Rate	3Hz up to 200Hz					
Protection	IP65 / NEMA 4X					
Dimension A	110	129	165	205	249	248
	4.33"	5.08"	6.50"	8.07"	9.80"	9.76"
Dimension B	18	25	33	41	66	58
	0.71"	0.98"	1.30"	1.61"	2.60"	2.28"
Dimension C	33	35	50	63	90	87
	1.30"	1.38"	1.97"	2.48"	3.54"	3.43"
Dimension D	74	88	111	135	153	150
	2.91"	3.46"	4.37"	5.31"	6.02"	5.91"
Dimension ØE	18	21	27	37	53	44
	0.71"	0.83"	1.06"	1.46"	2.09"	1.73"
Crosby Shackle	G2130-2T	G2130-3.25T	G2130-6.5T	G2130-12T	G2130-25T	G2140-30T

# Impact Block



## Features and benefits:

- Rounded edges to cheek plates maintain low rope abrasion when rope is fed 'unfair'
- Upper sheave opens via a threaded locking axle for added security
- Thrust surfaces increase tolerance to external loading of spindle and anchor pin
- Lightweight attachment sling facilitates hauling of block, sling and rope to the climber and helps with handling, in tree stowage and workshop storage
- Direct connection to cordage, the anchor slings helps ensure correct neighbour component compatibility
- 700m or 2300ft wireless range enabling operator to stand at safe distance
- No easily broken external antennae
- High waterproof resistance to IP67/NEMA6 for all weather use
- Massive battery life of 1200 hours operational time
- Handheld display or data logging software options for all applications

## The safest choice for the working Arborist.

**Manufactured in partnership with DMM, the Impact Block has been designed to deliver the best performance in terms of alignment, resistance and appeal.**

The aesthetic curves of the Impact Block combines beauty, strength and durability to ensure a rope friendly surface. Coupled with wireless dynamic load monitoring electronics and strain gauge technology from Straightpoint and providing real time data to either handheld controller or logging via our SW-MWLC software to tablet or laptop, it is easy to see why this is one of the most sought after products in the industry.

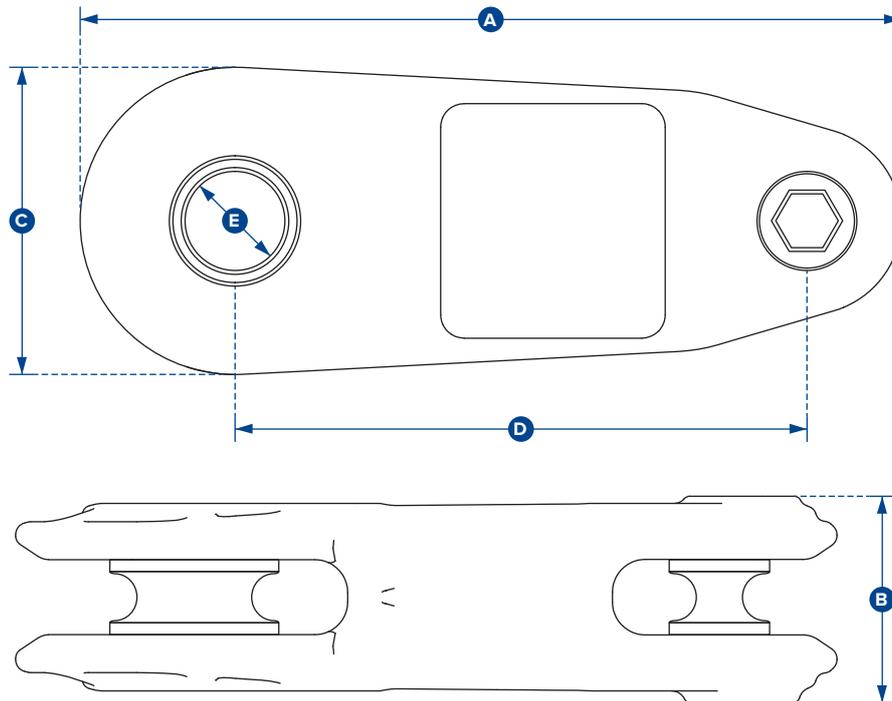
During development, the Straightpoint Impact Block has gone through a thorough dynamic and static validation testing regime. The end result is a highly functional product with an impressive strength to weight ratio.

## Applications:

- Tree care – dismantling ops and speed lines
- Forestry
- Winching operations
- Rescue
- Rigging
- Entertainment industry

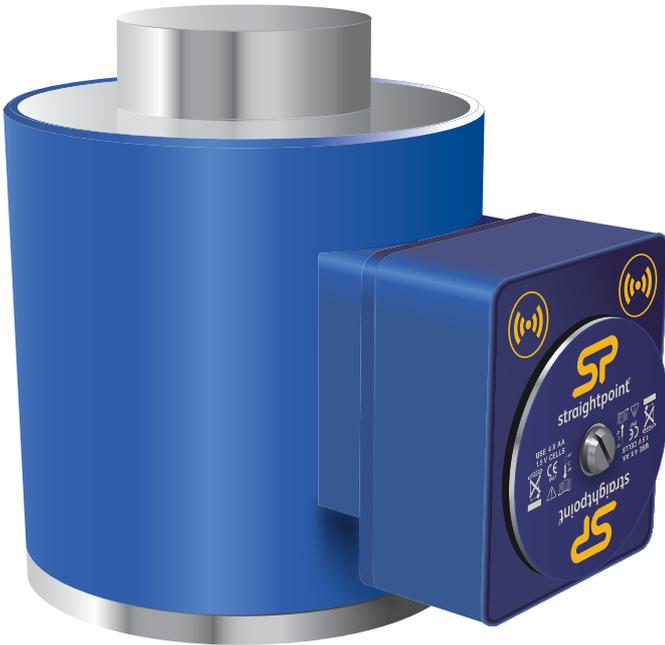


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Part Number	WIB6T
Capacity	60kN
Resolution	0.1kN
Units	kN
Weight	6kg 13.2lb
Safety Factor	5:1
Battery Type	4 x AA Alkaline
Battery Life	1,200 hours continuous
Operating Temp	-10°C to +50°C / 14°F to 122°F
Accuracy	±0.3% of applied load
Frequency	2.4 GHz
System Range	700 metres / 2300 feet
Data Rate	50Hz - up to 200Hz can be ordered for dynamic load monitoring applications
Protection	IP67 / NEMA 6
Max Rope Ø	20mm 0.75"
Dimension A	348 13.7"
Dimension B	89 3.5"
Dimension C	131 5.16"
Dimension D	242 9.53"
Dimension ØE	27 1.06"

# Wireless Compression Load Cell



## Features and benefits:

- Proprietary 2.4 GHz wireless
- Industry leading wireless range of 700m/2300ft
- Connects to SW-MWLC, WCOGS & SW-PTP software
- Error free data transmission
- Internal antennae
- Environmentally sealed to IP67/NEMA 6
- No cable assemblies required
- Unrivalled resolution
- Unmatched battery life of 1200hrs
- Reduced maintenance cost
- Compact size
- Remote on-off
- Design validated by F.E.A.

**The Straightpoint Wireless Compression Load Cell is taking the heavy lift and structural weighing industry by storm. By adding the Straightpoint wireless system to the already popular compression load cell line we have developed a cost-effective alternative to standard compression load cells.**

No longer hindered by troublesome and hard to maintain cables, large scale projects can be completed in a fraction of time previously required. Maintenance costs are all but eliminated due to the absence of cables and connectors, and the products flexibility opens the door to a large number of applications in the heavy lift, energy, defence, rigging, shipping, and general transportation sectors, previously not considered.

Straightpoint's Wireless Compression Load Cells are machined from high grade stainless steel, providing excellent strength and corrosion resistance. The heavy duty, compact load cell utilises Straightpoint's advanced microprocessor based electronics and benefits from unrivalled resolution and accuracy. Data transmission is handled by the Straightpoint wireless systems proprietary transport protocol, is unmatched in performance and capable of a licence free transmission range of up to 700 metres or 2300 feet.

It is not until you add the powerful array of wireless accessories that the full potential of this product is realised. These accessories which include a wireless signal booster and several user friendly Windows-based software packages, provide a level of flexibility not previously known in the load monitoring industry.

When used with Straightpoint's WCOGS software these load cells will calculate centre of gravity and load. Connected to SW-MWLC it will allow the ability to data log and print reports, allowing the simultaneous display and monitoring of up to 100 wireless compression load cells on your PC or tablet. Lastly, coupled with Straightpoint's SW-PTP software the operator can perform load tests at a safe distance and generate real time test certificates on site.



**making the lifting industry a safer place**

Also available with hazardous area approval



**ATEX / IECEx**  
Ex ia II C T4 Ga

Certification numbers:

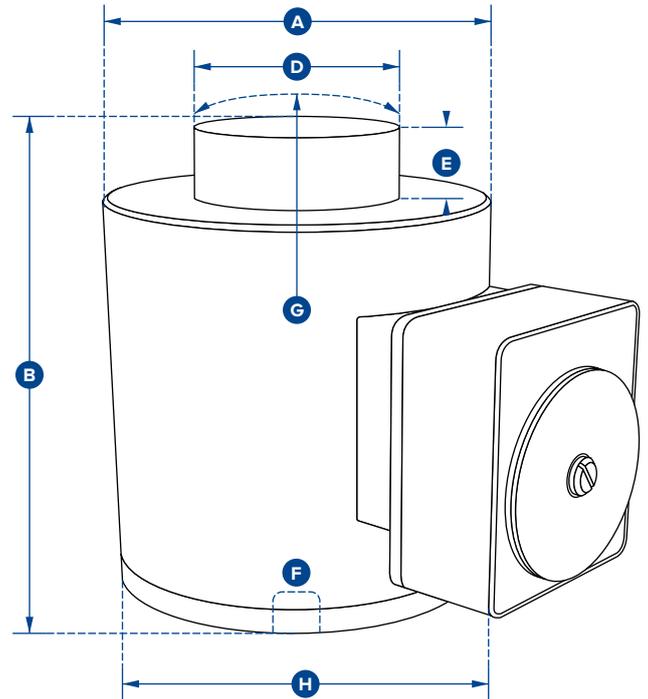
**WNI ATEX**

IECEX SIR 16.0041X / Sira 16ATEX2108X

**SW-HHP ATEX**

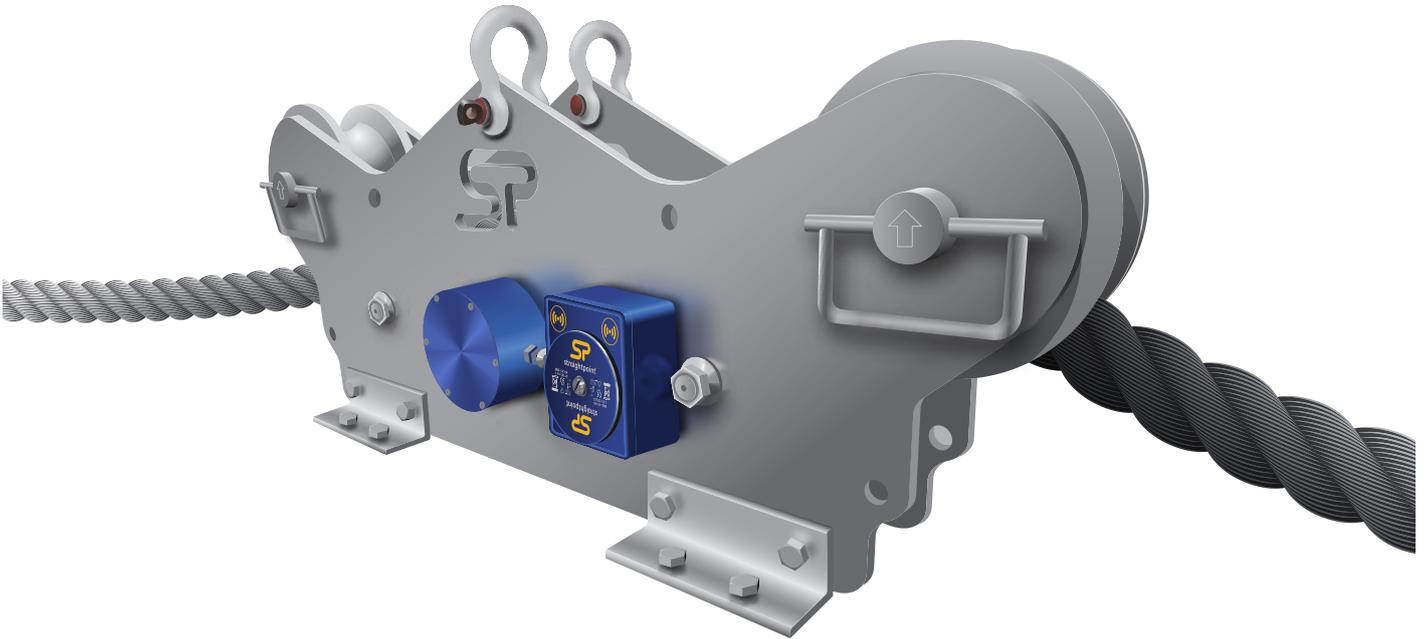
IECEX SIR 15.0072X / Sira 15ATEX2196X

**Add 'ATEX' to the part number when ordering ATEX/IECEX products. For example: WNI5TC-ATEX**



Part Number	WNI5TC	WNI10TC	WNI25TC	WNI50TC	WNI100TC	WNI150TC	WNI300TC	WNI500TC
Capacity	5te	10te	25te	50te	100te	150te	300te	500te
	11000lb	22000lb	55000lb	110000lb	220000lb	330000	660000lb	1100000lb
Resolution	0.001te	0.002te	0.005te	0.01te	0.05te	0.05te	0.1te	0.2te
	2lb	5lb	10lb	20lb	100lb	100lb	200lb	500lb
Units	tonne							
	lb							
Weight	6.2kg	6.2kg	6.2kg	6.2kg	15.5kg	15.5kg	65kg	65kg
	13.64lb	13.64lb	13.64lb	13.64lb	34lb	34lb	143lb	143lb
Safety Factor	3:1							
Battery Type	Load cell 4 x AA Alkaline							
Battery Life	Load cell 1,200 hours continuous							
Operating Temp	-10°C to +50°C / 14°F to 122°F							
Accuracy	±0.3% of applied load							
Frequency	2.4 GHz							
System Range	700 metres / 2300 feet							
Data Rate	3Hz (configurable to 200Hz)							
Protection	IP67 / NEMA 6							
Dimension ØA	102	102	102	102	152	152	185	185
	4.02"	4.02"	4.02"	4.02"	5.98"	5.98"	7.28"	7.28"
Dimension B	127	127	127	127	184	184	300	300
	5.00"	5.00"	5.00"	5.00"	7.24"	7.24"	11.81"	11.81"
Dimension ØD	59	59	59	59	80	80	155	155
	2.32"	2.32"	2.32"	2.32"	3.15"	3.15"	6.10"	6.10"
Dimension E	13	13	13	13	26	26	27.5	27.5
	0.51"	0.51"	0.51"	0.51"	1.02"	1.02"	1.08"	1.08"
Dimension F	M18 x 2.5	M18 x 2.5	M18 x 2.5	M20 x 2.5				
	M18 x 2.5	M18 x 2.5	M18 x 2.5	M20 x 2.5				
Dimension G	152	152	152	152	432	432	432	432
	5.98"	5.98"	5.98"	5.98"	17.01"	17.01"	17.01"	17.01"
Dimension H	158	158	158	158	208	208	241	241
	6.22"	6.22"	6.22"	6.22"	8.19"	8.19"	9.49"	9.49"

# Running Line Dynamometer



**The TIMH range is a Running Line Tensiometer or RLTM built with dockside, marine, offshore, towage and salvage applications in mind.**

It is particularly useful where there is no anchor or dead end on the line to rig a Straightpoint Radiolink or Loadlink digital dynamometer to measure tension force at speeds up to 20m/min or 65ft/min.

The TIMH is constructed from marine grade stainless steel and is suitable for many wire rope configurations up to 80t and will, as an option, calculate lineout in metres or feet.

The TIMH has several mounting points featured in its unique design but if other mounting options are required Straightpoint can provide a custom engineered solution specific to your application.

Available as a wireless or cabled system utilising Straightpoint's HHP range of handheld displays or SW-MWLC software, this impressive Running Line Dynamometer or RLTM is available to ship from stock, to anywhere in the world within days.

## Features and benefits:

- Five wheel design improving accuracy
- Cabled or wireless options
- Fully constructed from corrosion resistant stainless steel
- IP67/NEMA6 Loadpin
- Gravity catches fitted to top sheave pins make wire rope installation quick and simple
- Industry leading battery life of 1200hrs (wireless)
- Maintenance free heavy duty bearings
- Large range of capacities to 80t and wire rope diameters up to 52mm/2"
- Options for line out available
- Software available to data log and monitor or analogue outputs
- Design validated by F.E.A.



**making the lifting industry a safer place**

Also available with hazardous area approval



**ATEX / IECEX**

**Ex ia II C T4 Ga**

Certification numbers:

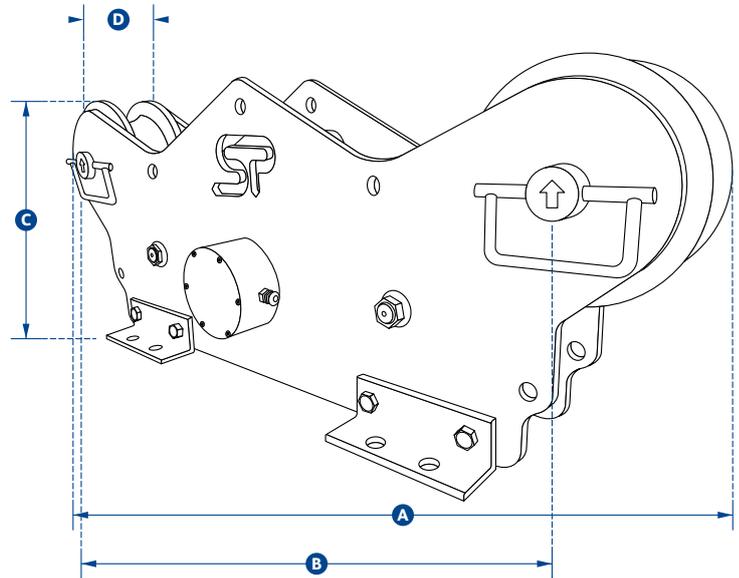
**TIMH ATEX**

IECEX SIR 16.0041X / Sira 16ATEX2108X

**SW-HHP ATEX**

IECEX SIR 15.0072X / Sira 15ATEX2196X

**Add 'ATEX' to the part number when ordering ATEX/IECEX products. For example: TIMH10T-ATEX**



Part Number	TIMH10T	TIMH25T	TIMH56T	TIMH80T
Capacity	10te 22000lb	25te 55000lb	56te 123200lb	80te 176000lb
Resolution	0.01te 20lb	0.02te 50lb	0.05te 100lb	0.1te 200lb
Wire Rope Ø	13-19mm 1/2" - 3/4"	16-26mm 5/8" - 1"	28-38mm 1 1/8" - 1 1/2"	40-52mm 1 5/8" - 2"
Weight	76kg 168lb			
Battery Type	4 x AA Alkaline			
Battery Life	1200hrs continuous			
Operating Temp	-10°C to +50°C / 14°F to 122°F			
Accuracy	2% F.S.			
Frequency	2.4 GHz			
System Range	700 metres / 2300 feet			
Data Rate	3 updates per second			
Protection	IP67 / NEMA 6			
Dimension A	880mm 34.65"			
Dimension B	700mm 27.55"			
Dimension C	330mm 12.99"			
Dimension D	110mm 4.33"			



**Straightpoint has developed a 25kN, wireless load cell specifically engineered for the emergency services, salvage and 4 x 4 industries. The Towcell® allows for increased safety and the avoidance of costly overloads by providing real-time monitoring of tensile towing forces during recovery, clearance and salvage efforts. The Towcell® is rugged, lightweight, compact and can be installed, with ease, onto any tow bar, whether it's a standard 52mm or 2" ball or pin assembly and is ready to use in seconds.**

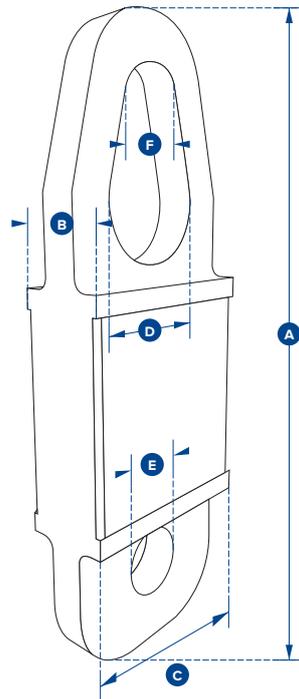
Modelled after Straightpoint's best-selling Radiolink plus, the Towcell® is constructed of high quality aircraft grade aluminium, featuring an advanced internal design structure providing the product with an unrivalled strength to weight ratio, and allowing for the use of a separate internal sealed enclosure. This internal sealed enclosure provides the internal electronic components with IP67/NEMA 6 waterproof

## Features and benefits:

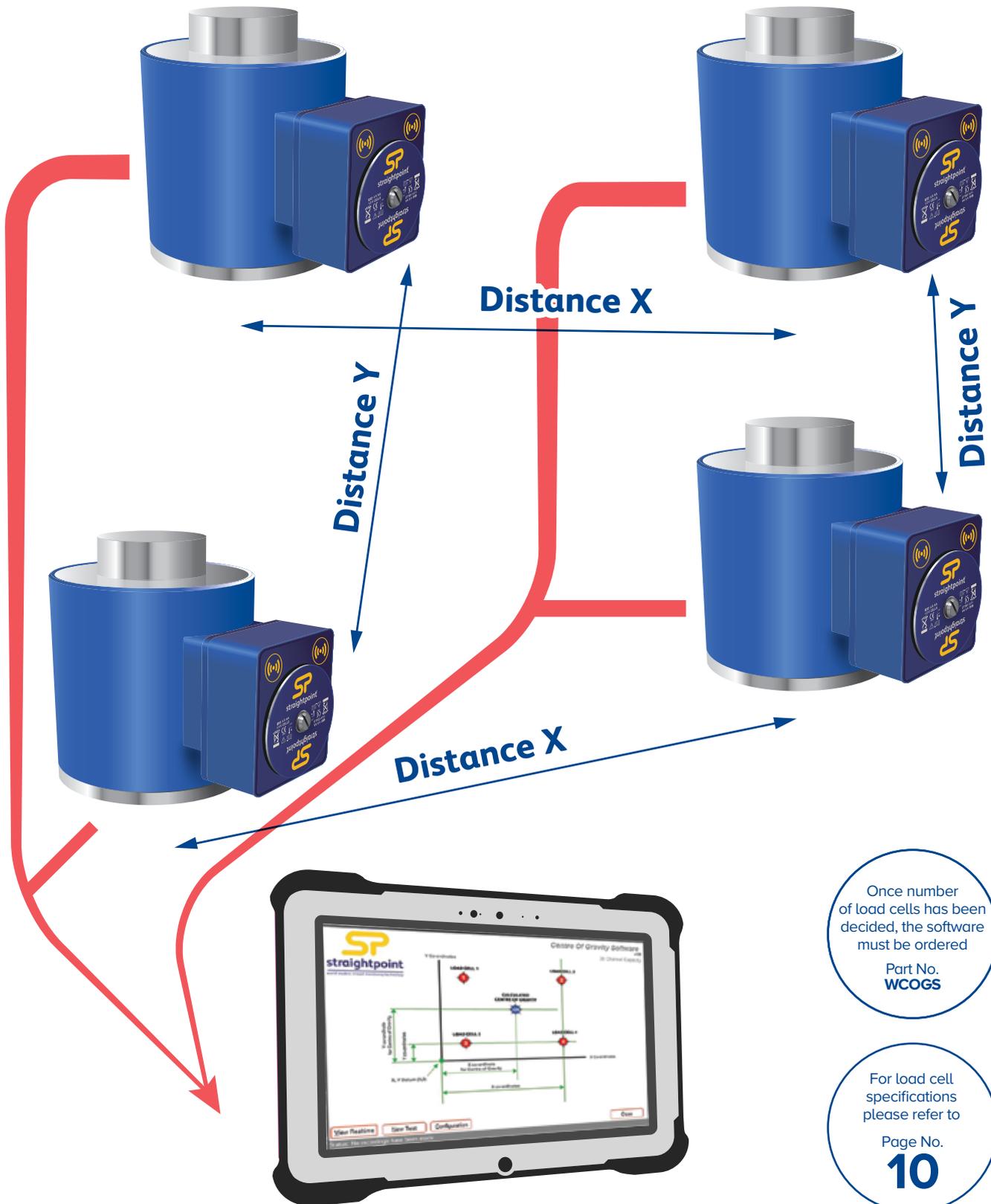
- Unique design to fit any standard 2" tow-hitch
- Lightweight
- 90dB Audible overload alarm
- Unmatched battery life of 1200hrs
- Waterproof IP67/NEMA6
- Internal antennae
- Compact size
- Proprietary 2.4 GHz wireless communication

environmental protection even with the battery cover plate missing. Easily sourced AA alkaline batteries offer massive battery life of 1200 hours, and the Towcell® utilises an unbreakable internal antennae.

Towcell® loads can be displayed on Straightpoint's rugged and versatile SW-HHP handheld display, or viewed and simultaneously data logged with a Windows tablet via Straightpoint's SW-MWLC software package.



Part Number	Towcell
Capacity	25kN
Resolution	0.01kN
Weight	1.4kg
	3lb
Safety Factor	5:1
Battery Type	4 x AA Alkaline
Battery Life	1,200 hours continuous
Operating Temp	-10°C to +50°C / 14°F to 122°F
Accuracy	±0.5% of applied load
Frequency	2.4 GHz
System Range	100 metres / 330 feet
Data Rate	50Hz
Protection	IP67 / NEMA 6
Dimension A	300mm
	11.81"
Dimension B	43mm
	1.70"
Dimension C	101mm
	4.00"
Dimension ØD	51mm
	2.00"
Dimension ØE	27mm
	1.06"
Dimension ØF	31mm
	1.22"



Once number of load cells has been decided, the software must be ordered  
**Part No. WCOGS**

For load cell specifications please refer to  
**Page No. 10**

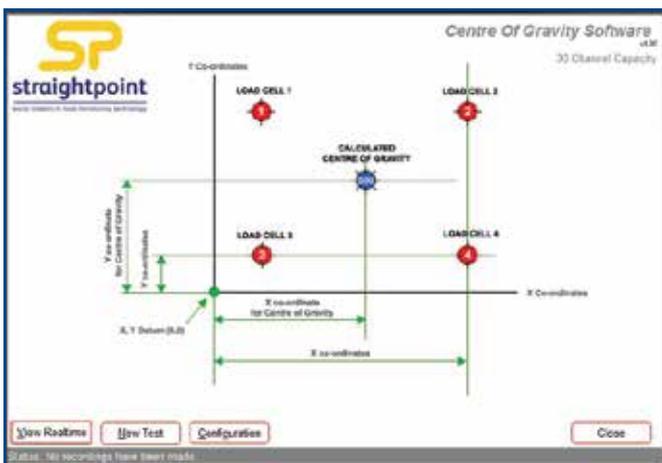
**Wireless Centre of gravity system designed specifically for use when large industrial items such as absorbers, generators, turbines, reactors, boilers, towers, locomotives, boats, military equipment or offshore industry parts such as oil rigs and production platforms have to be moved. Heavy lift companies need large capacity load cells and easy to use software to quickly report weight and centre of gravity.**

This latest version of Straightpoint's wireless centre of gravity system uses wireless compression load cells and new and improved, simple to use, software package. Operators can now view on screen and in real-time, up to 36 individual load cell loads, and the dynamic centre of gravity. The valuable centre of gravity analysis report can be easily saved and or printed.

Written with ISO19901 in mind this package has several benefits:

- 100% Wireless
- Between 3-36 load cells of the same capacity can be used at any one time
- ISO19901 compliant
- 700m / 2300ft range
- On screen, real time centre of gravity view
- Three weighings per report with averages and statistical analysis
- Plot load cell positioning using measurements or GPS co-ordinates
- Extra fields for operator, client, wind speed and temperature available for reporting

For many heavy lift projects there is an absence of standardisation which requires individual transport planning. With a range of tension or compression load cells and this software, Straightpoints' commitment to the heavy lift industry is second to none.



Home Screen



Report Example

Part Number	WCOGS
IP rating	IP54
(SW-USBBSE)	NEMA 3
Operating Temp	-10°C to +50°C 14°F to 122°F
Licence	Licence free
Frequency	2.4 GHz
Range	700 metres 2300 feet
Load Cell Inputs	Up to 36
PC Requirements	Intel i3 processor with 2GB RAM
Operating System	Windows XP, Vista, Windows 7, 8 or 10 (must have English language regional settings selected)

# Proof Test plus

SP straightpoint<sup>®</sup> Proof Test Plus core|rfid<sup>®</sup>  
Making the lifting industry a safer place

### Add / Select Reference Load Cell

SKU:  Model:  Calibration Date:  Measurement: WLL:

Select a date:  T:  Please Select:

SKU: 1A4A3 Model: RL2101U WLL: 11,000lb Cal End By Date: 10 March 2017 Measurement: B	SKU: 81214 Model: RL2101U WLL: 24,000lb Cal End By Date: 30 March 2017 Measurement: B	SKU: 81234 Model: RL2101T WLL: 30lb Cal End By Date: 6 August 2018 Measurement: T
--	--	--

Back

SP straightpoint<sup>®</sup> Proof Test Plus core|rfid<sup>®</sup>  
Making the lifting industry a safer place

### Search Customer

Customer Name:  Address:  Search

### Add / Select Customer

Customer Name:  Address:  Title:  Contact:

Customer Name: Big Cranes Inc. Address: Unit 8-10, Expressway	Customer Name: Carpenter Sling Address: High Street, Selkay, WI
--	--

SP straightpoint<sup>®</sup> Proof Test Plus core|rfid<sup>®</sup>  
Making the lifting industry a safer place

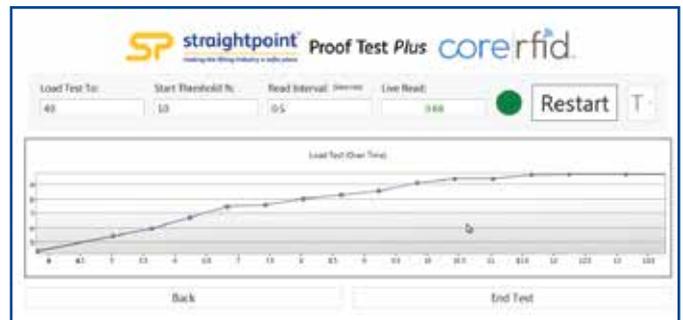
### Load Test Details

Product Desc:  Serial #:  WLL:  Test Method:

LiftItem LTM 40  A374QSH  40lb  Water bag

Notes:

Back Next



SP straightpoint<sup>®</sup> Proof Test Plus core|rfid<sup>®</sup>  
Making the lifting industry a safer place

Is this acceptable? Max: 9.60

ACCEPTABLE

UNACCEPTABLE

Back Complete

**ACME CORPORATION**

Acme Lifting  
New Street  
Block 1  
Hampshire  
UK  
PO20 8DA  
02392 470273  
www.acmelifting.com

### Certificate of Load Test

Date of Test:	14 July 2018	Product Description:	LiftItem LTM 40
Certification Number:	10005	Serial or Tag No:	A374QSH
Company:	Big Cranes Inc.	WLL:	40lb
Address:	Unit 8-10, Expressway, Camarillo, CA, 93012	Test Method:	Water bag
Tel:	805 234 3485	Load Test To:	40T
Contact:	Bob Friend	Duration of Test:	23.95 seconds
Reference Loadcell:	RL2101T	Notes:	4mph north east early wind
Serial Number:	81234	Calibrated On:	6 August 2018
		WLL:	30lb

**Peak Load: 9.60 T**

This is to certify that this product described herein has been subjected to the load test. Caution: Never exceed the rated capacities.

Signed: **Rob Burgess**

Appointed Person: **Rob Burgess** ID: DA1234 LEEA Team card 0067



making the lifting industry a safer place

**Numerous load testing applications worldwide require a load cell to verify the load applied. From crane testing using water bags to pad eye testing using hydraulic tools, the need to document test procedure and results has never been greater as users of lifting equipment call for more traceability and audit trails.**

A proof test is a form of stress test to demonstrate the fitness of a load-bearing structure and is nominally a non-destructive test. Such a structure is often subjected to loads above that expected in normal use, demonstrating safety and design margin.

This demand has increased such that Straightpoint now offer a new software package designed to connect to any of their wireless load cells - 'ProofTest plus'. This impressive package allows the test engineer to wirelessly, and at a safe distance, monitor a proof load test and automatically create a pass or fail certificate when testing is complete. This report in PDF format may then be printed, emailed or uploaded to the cloud, resulting in a traceable document for both test engineer and end customer.

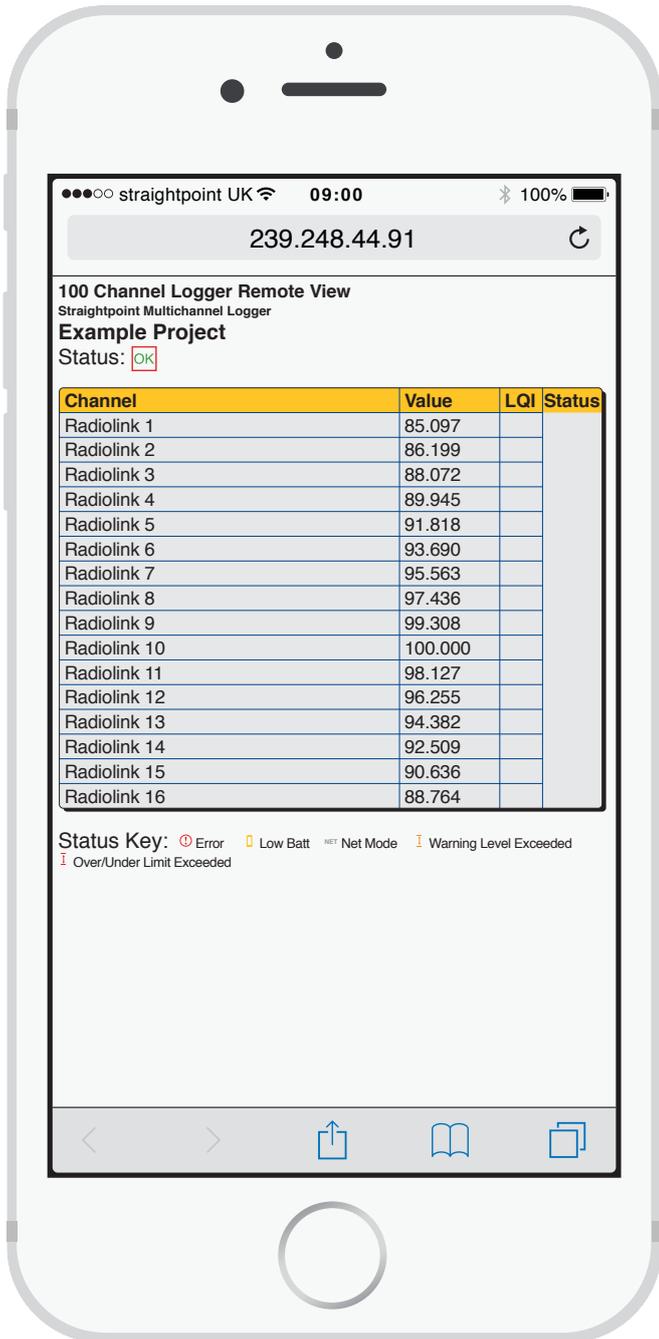
Typical load tests using Straightpoint load cells include:

- Bollard pull tests
- Tug tests
- Crane Test (Water bags, block weights)
- Pad eye or fly point testing
- Crash barrier testing
- Lifting equipment testing - Slings, chains, wire rope, hooks
- Construction equipment testing - Shoring columns, acrow props and lintels
- Lifting and spreader beam testing
- Hydraulic cylinder load test

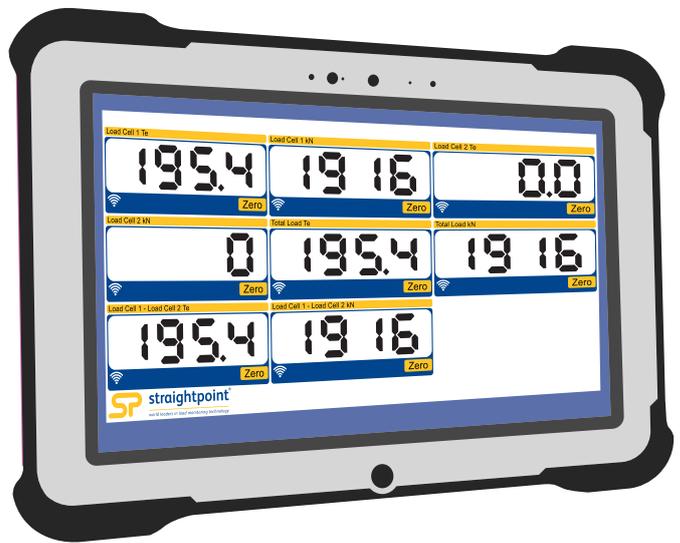
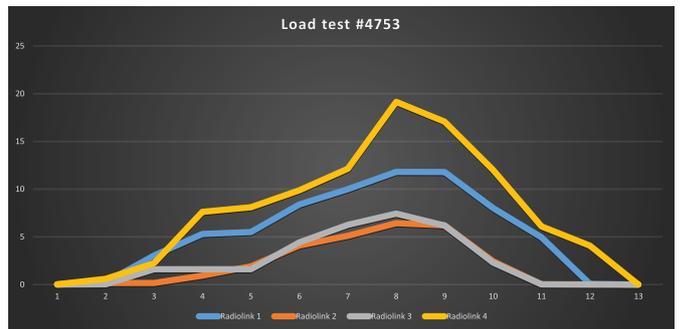
## Features and benefits:

- 100% Wireless, no easily damaged cables
- 700m/2300ft range allows operator to stand at safe distance from test
- Log data at speeds up to 200Hz
- Connects to any Straightpoint wireless load cell
- Automatically creates digitally signed pass or fail certificate
- Real time load v time graph display
- Free entry fields to note wind speed, sea states etc.

Part Number	SW-PTP
IP rating (SW-USBSE)	IP54 NEMA 3
Operating Temp	-10°C to +50°C
	14°F to 122°F
Licence	Licence free
Frequency	2.4 GHz
Range	700 metres
	2300 feet
Load Cell Inputs	1
PC Requirements	Intel i3 processor with 2GB RAM
Operating System	Windows XP, Vista, Windows 7, 8 or 10



Date	Time	Elapsed mS	Radiolink 1	Radiolink 2	Radiolink 3	Radiolink 4	Total Load
10/03/2015	10:41:38	1000	0.01	0	0	0.02	0.03
10/03/2015	10:41:39	2000	0.23	0.16	0.03	0.59	0.73
10/03/2015	10:41:40	3000	3.04	0.16	1.6	2.23	14.17
10/03/2015	10:41:41	4000	5.3	0.94	1.6	7.62	32.45
10/03/2015	10:41:42	5000	5.5	1.9	1.6	8.1	36.72
10/03/2015	10:41:43	6000	8.39	4.09	4.42	9.87	46.37
10/03/2015	10:41:44	7000	9.99	5.11	6.26	12.13	62.56
10/03/2015	10:41:45	8000	11.8	6.43	7.43	19.14	72.8
10/03/2015	10:41:46	9000	11.79	6.2	6.18	17.06	73.85
10/03/2015	10:41:47	10000	8.01	2.43	2.3	12	52.72
10/03/2015	10:41:48	11000	4.94	0.02	0.01	6.09	32.69
10/03/2015	10:41:49	12000	0.06	0.01	0	4.08	15.19
10/03/2015	10:41:50	13000	0	0	0	0	-3.53



**Straightpoint's Multiple Wireless Load Cell Controller (SW-MWLC) software package is a versatile, user friendly, wireless load cell control, display and data logging tool designed for use on the Windows PC platforms, Vista, Win 7, 8 & 10.**

SW-MWLC allows simultaneous, wireless communication between Straightpoint wireless load cells and a Windows PC. A resizable window displays a table of up to 100 wireless load cell channels of live data. Channels can be setup with user defined mathematical functions that can be used to calculate a multitude of results.

For example, a display can show the value from a single load cell or the sum of multiple load cells. Visual display and audio alarms can indicate under and over range as well as loss in communications, low battery and error reports. SW-MWLC can log on demand, at pre-set intervals, on entering and leaving a pre-set overload and during an overload. Data is logged to a CSV file which can be opened for analysis by software programs such as Microsoft Excel. JSON format data is also available on demand via the built in web server.

For more complex applications, graphical pages can be built showing the data in a variety of formats including digital display or bar graphs. Up to eight pages can be defined and the pages easily navigated between a variety of image formats that can be imported, including JPG, GIF, PDF and DXF.

Custom applications including branding and colour scheme are available. Please contact Straightpoint's sales department for pricing.

SW-MWLC software is supplied with a SW-USBBSE extended range USB transceiver.

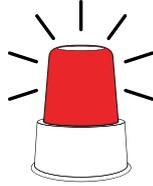
## Features and benefits:

- Displays and logs data up to 100 Straightpoint wireless load cells simultaneously
- Mapping/graphical capabilities
- Webserver offers remote viewing on iPads/tablets/smart phones and also supplies JSON data on demand
- Logging at timed intervals, manual or on overload/underload
- Visual and audible alarms indicates overload, low battery and communications error
- Zoom in to channel to see data trends and history
- Export and log data in CSV format

Part Number	SW-MWLC
IP rating	IP54
(SW-USBBSE)	NEMA 3
Operating Temp	-10°C to +50°C 14°F to 122°F
Licence	Licence free
Frequency	2.4 GHz
Range	700 metres 2300 feet
Load Cell Inputs	Up to 100
PC Requirements	Intel i3 processor with 2GB RAM
Operating System	Windows XP, Vista, Windows 7, 8 or 10

**Coming Soon**





## SW-OAM

*Wireless overload alarm module*

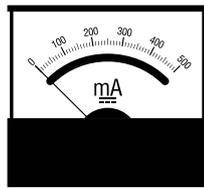
The SW-OAM is a wireless relay module featuring audio and visual warning indicators. The unit's two set point alarms can be triggered from a single or summed group of up to eight Straightpoint wireless load cells. The SW-OAM is ideal as a wireless overload detection system.



## SW-SD

*Wireless scoreboard display*

This 100mm (4") scoreboard LED display is wireless and viewable for up to 45m/150 ft. Perfect for installation on a crane gantry, the unit operates on 110-240 VAC and displays an individual load or summed load for up to eight Straightpoint wireless devices.



## SW-AO1i

*Wireless base station with analogue output*

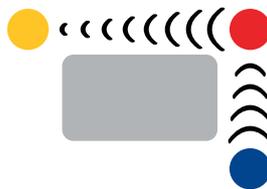
The SW-AO1i provides a configurable analogue output for any single Straightpoint wireless load cell and is ideal for integration to a PC, PLC or other data acquisition system. Housed in a IP65/NEMA4X enclosure, the output can be selected from pre-calibrated voltage and current ranges of 0-5vdc, +5vdc, 0-10vdc, +10vdc, 0-20mA, 4-20mA.



## SW-RWT

*Rugged tablet*

The SW-RWT tablet is the latest generation fully-rugged tablet. Featuring an array of integrated options, and a sleek, sophisticated design, the SW-RWT will change the way you look at tablets. With a MIL-STD-810G rating and Windows 7 Pro, the SW-RWT can go from the boardroom to the work site without missing a beat.



## SW-SB

*Wireless signal booster*

The SW-SB signal booster/repeater module is battery operated and easily pairs to any Straightpoint wireless device e.g. load cell, accessories, and software solutions within range, quickly increasing coverage and extending range.



## SA700C

*Load cell transmitter*

The SA700C transmitter connects to strain gauge transducers such as load cells, torque sensors and pressure transducers allowing them to form part of a Straightpoint wireless system.

# Loadlink plus



Known worldwide as the original electronic force measurement device to feature an integral display, the Loadlink plus has been in production since 1979. Over the years the line has been expanded and the Loadlink plus is now used on a daily basis for load monitoring and heavy lifts ranging in capacity from 1t to 300t, by a variety of industrial and commercial industries including manufacturing, transportation, agriculture, oil and gas, utilities, aerospace and clean energy.

This latest version of the well-known product has advanced features and benefits providing solutions for today's complicated load test and force monitoring needs. The Loadlink plus features full function push button controls for tare, choice of units (lbs, kg, kN, and tonnes), peak hold, preset tare, audible set-point alarm and an overload counter.

The advanced microprocessor based electronics provide the Loadlink plus with high speed read rates (500/sec), extreme resistance to industrial level noise and unprecedented stability. This high stability gives the Loadlink plus over 5,000 divisions and the highest standard resolution of any digital dynamometer on the market today. Constructed of high-grade aircraft quality aluminium, Straightpoint's advanced internal design structure allows the product to once again top the charts with an unmatched weight to strength ratio. Straightpoint's link style dynamometers are on average 30% lighter than our closest competitor with the same safety rating.

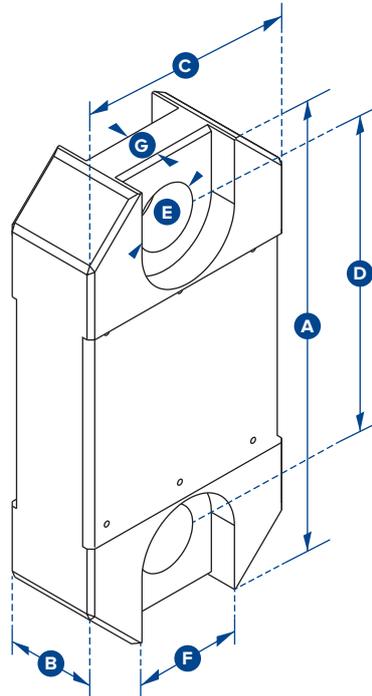
Optional connection to Straightpoint's Handheld plus (SU3343) or Straightpoint's Desktop controller data logging software package (DCP10M).

## Features and benefits:

- Large 25mm/1" LCD display
- High accuracy
- Selectable units te, lbs, kN & kg
- High resolution
- 100Hz Peak hold
- Push button tare
- Light weight
- Preset tare
- Overload counter
- 90db Audible set point alarm
- RS-485 serial output
- Design validated by F.E.A.



**making the lifting industry a safer place**



Part Number	LLP1T	LLP2T5	LLP5T	LLP12T	LLP25T	LLP35T	LLP50T	LLP75T	LLP100T	LLP150T	LLP200T	LLP250T	LLP300T
Capacity	1,000kg 2200lb	2.5te 5500lb	5te 11000lb	12te 26000lb	25te 55000lb	35te 77000lb	50te 110000lb	75te 165000lb	100te 220000lb	150te 330000lb	200te 440000lb	250te 550000lb	300te 660000lb
Resolution	0.5kg 1lb	0.001te 2lb	0.001te 2lb	0.002te 5lb	0.005te 10lb	0.005te 10lb	0.01te 20lb	0.01te 20lb	0.05te 100lb	0.05te 100lb	0.1te 200lb	0.1te 200lb	0.1te 200lb
Units	kg lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb
Weight	1.4kg 3.1lb	1.4kg 3.1lb	2kg 4.4lb	3.2kg 7.1lb	5kg 11lb	8.6kg 19lb	11.5kg 25.3lb	16kg 35.3lb	34kg 75lb	46kg 101.4lb	72kg 158.7lb	72kg 158.7lb	118kg 260lb
Safety Factor	12:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	4:1	5:1	4:1	5:1
Battery Type	9v PP3												
Battery Life	80 hours continuous												
Display Type	6 digit 25mm / 1" LCD												
Operating Temp	-10°C to +50°C / 14°F to 122°F												
Accuracy	± 0.3% of applied load												
Protection	IP65 / NEMA 4												
Dimension A	204 8.03"	204 8.03"	249 9.80"	305 12.01"	340 13.39"	393 15.47"	424 16.69"	470 18.50"	608 23.94"	670 26.38"	700 27.56"	700 27.56"	806 31.73"
Dimension B	43 1.69"	43 1.69"	43 1.69"	47 1.85"	60 2.36"	75 2.95"	75 2.95"	75 2.95"	99 3.90"	99 3.90"	144 5.67"	144 5.67"	150 5.91"
Dimension C	101 3.98"	101 3.98"	101 3.98"	101 3.98"	115 4.53"	126 4.96"	163 6.42"	202 7.95"	255 10.04"	303 11.93"	320 12.60"	320 12.60"	426 16.77"
Dimension D	146 5.75"	146 5.75"	165 6.50"	193 7.60"	215 8.46"	225 8.86"	230 9.06"	260 10.24"	320 12.60"	360 14.17"	350 13.78"	350 13.78"	350 13.78"
Dimension ØE	24.5 0.96"	24.5 0.96"	38 1.50"	47.5 1.87"	55 2.17"	60 2.36"	76 2.99"	76 2.99"	109 4.29"	109 4.29"	132 5.20"	132 5.20"	160 6.30"
Dimension F	48 1.89"	48 1.89"	66 2.60"	Not relevant in this capacity									
Dimension G	19 0.75"	19 0.75"	32 1.26"										
Crosby Shackle	G2130						G2140						
Loading Pin Ø	19 3/4"	19 3/4"	25 1"	35 1 3/8"	51 2"	57 2 1/4"	57 2 1/4"	70 2 3/4"	83 3 1/4"	95 3 3/4"	121 4 3/4"	127 5"	152 6"

# Wirelink plus



The Wirelink plus is the non-indicating version of Straightpoint's very popular Radiolink plus and Loadlink plus digital dynamometer tension load cells. This non-indicating Loadlink is designed for use with Straightpoint's Handheld plus digital display, desktop controller PC software (DCP10M) or other form of instrumentation.

Manufactured from aerospace grade aluminium and utilising an advanced internal design structure, this range of non-indicating load cells are extremely lightweight, easy to handle and are used worldwide in an array of industries for lifting, pulling, proof and structural load testing.

The extremely versatile platform can be used with digital displays including the Straightpoint Handheld plus, PLCs, data acquisition systems (DAQ) etc. and configured with a vast array of output formats to include mV/V, RS-422, RS-485, utilising the ASCII, MODBUS TRU and CAN-BUS protocols.

A standard analogue output option is available to include:

- 3 wire 0-10v
- 3 wire 0-5v
- 4 wire +/-10v
- 3 wire 4-20mA
- 2 wire 4-20mA

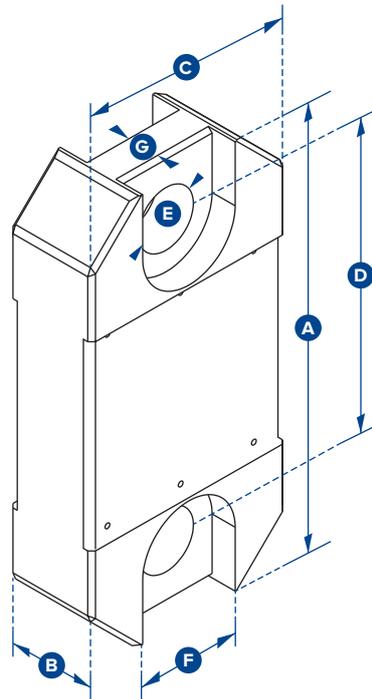
The Wirelink plus is supplied with a 10 metre cable as standard, however, usable cable length varies greatly with lengths available to 1,500 metres depending on output format.

## Features and benefits:

- Constructed of lightweight aluminium
- Available in capacities ranging from 1 to 300 tonnes
- High accuracy
- Multiple output options to include mV/V, analogue out, ASCII, MODBUS RTU and CAN-BUS
- Available with IP68 environmental protection
- Options for subsea use available



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Part Number	WLP1T	WLP2T5	WLP5T	WLP12T	WLP25T	WLP35T	WLP50T	WLP75T	WLP100T	WLP150T	WLP200T	WLP250T	WLP300T
Capacity	1,000kg 2200lb	2.5te 5500lb	5te 11000lb	12te 26000lb	25te 55000lb	35te 77000lb	50te 110000lb	75te 165000lb	100te 220000lb	150te 330000lb	200te 440000lb	250te 550000lb	300te 660000lb
Resolution	0.5kg 1lb	0.001te 2lb	0.001te 2lb	0.002te 5lb	0.005te 10lb	0.005te 10lb	0.01te 20lb	0.01te 20lb	0.05te 100lb	0.05te 100lb	0.1te 200lb	0.1te 200lb	0.1te 200lb
Units	kg lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb	te lb
Weight	1.4kg 3.1lb	1.4kg 3.1lb	2kg 4.4lb	3.2kg 7.1lb	5kg 11lb	8.6kg 19lb	11.5kg 25.3lb	16kg 35.3lb	34kg 75lb	46kg 101.4lb	72kg 158.7lb	72kg 158.7lb	118kg 260lb
Safety Factor	12:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	4:1	5:1	4:1	5:1
Operating Temp	-10°C to +50°C / 14°F to 122°F												
Accuracy	± 0.3% of applied load												
Protection	IP67 / NEMA 6												
Dimension A	204 8.03"	204 8.03"	249 9.80"	305 12.01"	340 13.39"	393 15.47"	424 16.69"	470 18.50"	608 23.94"	670 26.38"	700 27.56"	700 27.56"	806 31.73"
Dimension B	43 1.69"	43 1.69"	43 1.69"	47 1.85"	60 2.36"	75 2.95"	75 2.95"	75 2.95"	99 3.90"	99 3.90"	144 5.67"	144 5.67"	150 5.91"
Dimension C	101 3.98"	101 3.98"	101 3.98"	101 3.98"	115 4.53"	126 4.96"	163 6.42"	202 7.95"	255 10.04"	303 11.93"	320 12.60"	320 12.60"	426 16.77"
Dimension D	146 5.75"	146 5.75"	165 6.50"	193 7.60"	215 8.46"	225 8.86"	230 9.06"	260 10.24"	320 12.60"	360 14.17"	350 13.78"	350 13.78"	350 13.78"
Dimension ØE	24.5 0.96"	24.5 0.96"	38 1.50"	47.5 1.87"	55 2.17"	60 2.36"	76 2.99"	76 2.99"	109 4.29"	109 4.29"	132 5.20"	132 5.20"	160 6.30"
Dimension F	48 1.89"	48 1.89"	66 2.60"	Not relevant in this capacity									
Dimension G	19 0.75"	19 0.75"	32 1.26"										
Crosby Shackle	G2130						G2140						
Loading Pin Ø	19 3/4"	19 3/4"	25 1"	35 1 3/8"	51 2"	57 2 1/4"	57 2 1/4"	70 2 3/4"	83 3 1/4"	95 3 3/4"	121 4 3/4"	127 5"	152 6"

**Options**

Part Number	ICA1	ICA2	ICA3	ICA4	ICA5
Description	3 wire 0-10v analogue output	3 wire 0-5v analogue output	4 wire ±10v analogue output	3 wire 4-20mA analogue output	2 wire 4-20mA analogue output

# Loadshackle



## Features and benefits:

- Robust construction
- Compact size and low headroom
- Every Loadshackle proof tested
- Lightweight
- Unrivalled resolution
- Push button tare
- Environmentally sealed to IP67/NEMA6
- Peak hold
- Advanced options available for subsea applications
- Manufactured using industry leading brand shackles
- mv/v or analog signal options
- Design validated by F.E.A.



Requires connection to Straightpoint's Handheld plus (HHP), Desktop Controller data logging software (DCP10M) or External Amplifier range (SA-3420) that can be configured to provide outputs such as 4-20mA, 0-10v, 0-5v for PLC or data logger integration.

**Available from stock in capacities 3.25t to 120t, and available up to 1,550t, Straightpoint's Loadshackle is manufactured from Crosby's industry leading 2130 Carbon and 2140 Alloy Bolt Type Anchor Shackles (3.25te - 120te) and the GN H10 Alloy Bolt Type Anchor Shackle (200te on up). The Loadshackle offers reduced overall weight and headroom providing a great fit for low headroom applications.**

Utilising the same advanced microprocessor based electronics as all Straightpoint products, Straightpoint's cabled Loadshackle benefits from high sampling rates, extreme resistance to industrial level noise and unprecedented stability.

A huge range of tooling allows Straightpoint to calibrate in shackle for extra accuracy unlike many other load cell

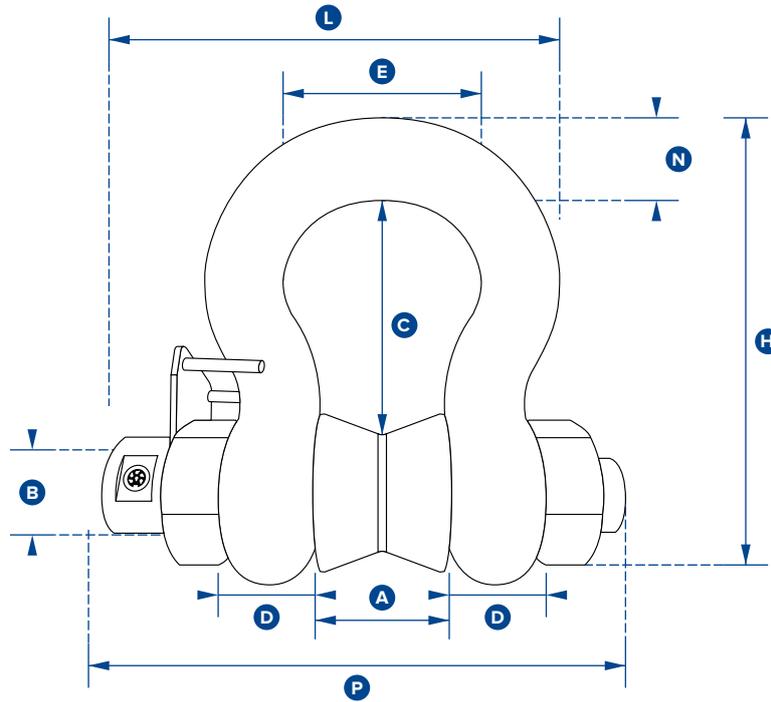
manufacturers. Straightpoint cabled Loadshackles are also environmentally sealed to IP67 and, as an option, sealed for permanent submersion for sub-sea use.

The cabled Loadshackle range can be used with digital displays including the Straightpoint Handheld plus, PLCs, data acquisition systems (DAQ), etc. and configured with a vast array of output formats to include mV/V, RS-422, RS-485, utilising the ASCII, MODBUS TRU and CAN-BUS protocols or supplied with integral amplifier allowing analogue outputs such as 4-20mA, 0-10v, 0-5v etc.

Whether used in heavy lifting, mooring anchor placement or sub-sea applications, Straightpoint's cabled Loadshackle offers robust construction, advanced electronics, industry leading resolution and accuracy all at a cost-effective, affordable price.



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Part Number	SLB3.25T	SLB6.5T	SLB12T	SLB25T	SLB55T	SLB85T	SLB120T	SLB200T	SLB300T	SLB400T
Capacity	3.25te	6.5te	12te	25te	55te	85te	120te	200te	300te	400te
	7150lb	14300lb	26400lb	55000lb	120000lbs	185000lbs	260000lbs	440000lbs	660000lbs	880000lbs
Resolution	0.005te	0.005te	0.01te	0.02te	0.05te	0.05te	0.1te	0.2te	0.5te	0.5te
	10lb	10lb	20lb	50lb	100lb	100lb	200lb	200lb	1000lb	1000lb
Units	tonne									
	lb									
Weight	2.8kg	3.2kg	8kg	18kg	25kg	45kg	85kg	254kg	374kg	614kg
	6.16lb	7lb	17.6lb	40lb	55lb	99lb	187lb	560lb	825lb	1354lb
Safety Factor	5:1 when used with load bobbin									
Operating Temp	-10°C to +50°C / 14°F to 122°F									
Accuracy	±1% of applied load									
Protection	IP67 std or sub sea as POA option / NEMA 6									
Dimension A	26.9	36.6	51.5	73	82.5	105	127	180	205	230
	1.06"	1.44"	2.03"	2.87"	3.25"	4.13"	5.00"	7.09"	8.07"	9.06"
Dimension ØB	19.1	25.4	35.1	51	57	70	82.5	125	150	175
	0.75"	1.00"	1.38"	2.01"	2.24"	2.76"	3.25"	4.92"	5.91"	6.89"
Dimension C	56.9	79.7	113	170	189.5	253	319.5	334	398	440
	2.24"	3.14"	4.45"	6.69"	7.46"	9.96"	12.58"	13.15"	15.67"	17.32"
Dimension D	14.46	22.4	31.8	44.5	51	66.5	76	120	130	165
	0.57"	0.88"	1.25"	1.75"	2.01"	2.62"	2.99"	4.72"	5.12"	6.50"
Dimension E	42.9	58	82.5	127	164	184	200	290	305	325
	1.69"	2.28"	3.25"	5.00"	6.46"	7.24"	7.87"	11.42"	12.01"	12.80"
Dimension H	103.3	148	210	313	348	453	546	810	950	1100
	4.07"	5.83"	8.27"	12.32"	13.70"	17.83"	21.50"	31.89"	37.40"	43.31"
Dimension L	124.2	153.5	193.8	278	303	365	405	577	612	702
	4.89"	6.04"	7.63"	10.94"	11.93"	14.37"	15.94"	22.72"	24.09"	27.64"
Dimension N	17.5	24.6	35.1	57	61	79	92	120	130	165
	0.69"	0.97"	1.38"	2.24"	2.40"	3.11"	3.62"	4.72"	5.12"	6.50"
Dimension P	140	170	215	290	314	391	438	562	612	707
	5.51"	6.69"	8.46"	11.42"	12.36"	15.39"	17.24"	22.13"	24.09"	27.83"

# Low Headroom Link



## Features and benefits:

- Low height
- Range from 1t to 30t
- High accuracy
- Lightweight and portable
- Accepts standard shackles
- Constructed from high strength alloy steel
- Huge range of output options
- Connects to Straightpoint data logging software



Requires connection to Straightpoint's Handheld plus (HHP), Desktop Controller data logging software (DCP10M) or External Amplifier range (SA-3420) that can be configured to provide outputs such as 4-20mA, 0-10v, 0-5v for PLC or data logger integration.

**Straightpoint introduces its range of low headroom links designed to provide accurate measurement of loads in the most challenging applications where headroom restrictions are a major factor.**

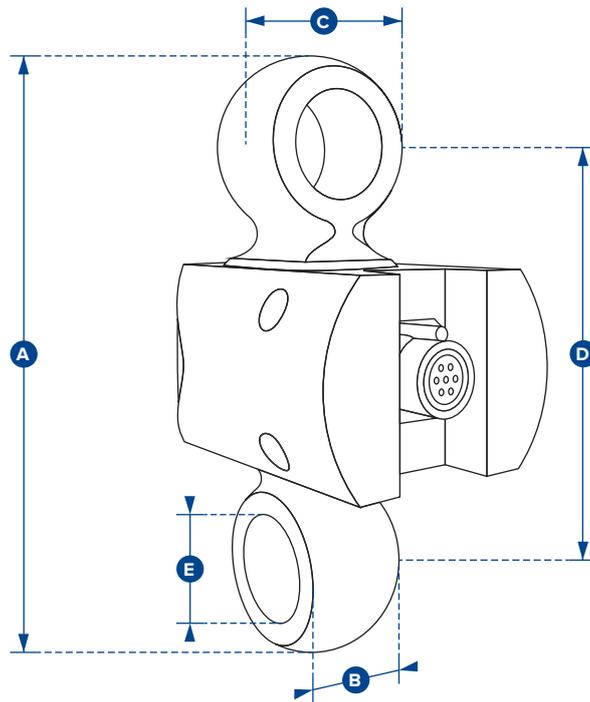
Constructed from high strength alloy steel and exposed to an array of testing during development, this impressive range of load cells is designed to work with industry standard shackles from manufacturers such as Crosby and Van Beest. Applications include weighing, lifting, force measurement and load monitoring of structures such as lighting trusses, hoist mountings and fly line tensioning.

The unique low headroom design combines the ability to lift loads with capacities up to 30t with state-of-the-art electronics, high accuracy and resolution of over 5000 divisions. Measured loads can be displayed with our Handheld plus digital display/controller or Windows PC Desktop Controller data logging software.

A vast array of optional output formats are also available to include mV/V, RS-422, RS-485, utilising the ASCII, MODBUS, TRU and CAN-BUS protocols and analog outputs such as 4-20mA for connection to PLCs, Data Acquisition systems (DAQ) or other required instrumentation. Usable cable length varies greatly, ranging from 10m/23ft to 1,500m/4900ft depending on output format.

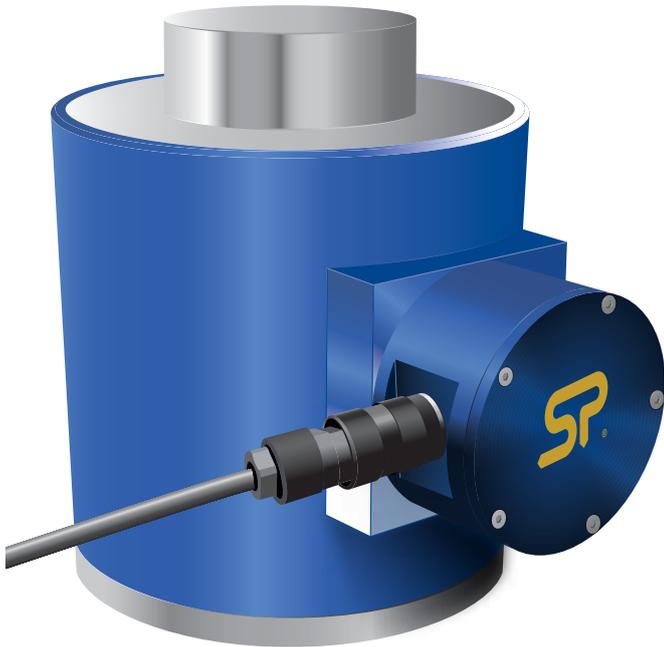


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Part Number	DB1T	DB3T	DB5T	DB10T	DB20T	DB30T
Capacity	1000kg	3te	5te	10te	20te	30te
	2200lb	6600lb	11000lb	22000lb	44000lb	66000lb
Resolution	0.5kg	0.001te	0.001te	0.002te	0.005te	0.005te
	1lb	2lb	2lb	4lb	10lb	10lb
Units	tonne					
	lb					
Weight	1kg	1.2kg	2kg	2.5kg	4kg	6.2kg
	2.2lb	2.6lb	4.4lb	5.5lb	8.8lb	13.7lb
Safety Factor	5:1					
Operating Temp	-10°C to +50°C / 14°F to 122°F					
Accuracy	± 0.3% of applied load					
Protection	IP65 / NEMA 4X					
Dimension A	110	129	165	205	249	248
	4.33"	5.08"	6.50"	8.07"	9.80"	9.76"
Dimension B	18	25	33	41	66	58
	0.71"	0.98"	1.30"	1.61"	2.60"	2.28"
Dimension C	33	35	50	63	90	87
	1.30"	1.38"	1.97"	2.48"	3.54"	3.43"
Dimension D	74	88	111	135	153	150
	2.91"	3.46"	4.37"	5.31"	6.02"	5.91"
Dimension ØE	18	21	27	37	53	44
	0.71"	0.83"	1.06"	1.46"	2.09"	1.73"
Crosby Shackle	G2130-2T	G2130-3.25T	G2130-6.5T	G2130-12T	G2130-25T	G2140-30T

# Compression Load Cell



## Features and benefits:

- Compact size
- Environmentally sealed to IP67/NEMA6
- Optional analogue outputs
- Stainless steel element
- High accuracy
- Lightweight
- Unrivalled resolution
- Custom versions available
- Design validated by F.E.A.



Requires connection to Straightpoint's Handheld plus (HHP), Desktop Controller data logging software (DCP10M) or External Amplifier range (SA-3420) that can be configured to provide outputs such as 4-20mA, 0-10v, 0-5v for PLC or data logger integration.

**Manufactured in ranges from 5t to 500t - other capacities available on application.**

**Straightpoint compression load cells are manufactured to the same stringent standards as all Straightpoint products. The bodies are machined from high grade stainless steel, offering excellent strength and anti-corrosion properties. Compression load cells can be supplied with optional loadcaps to protect objects being tested.**

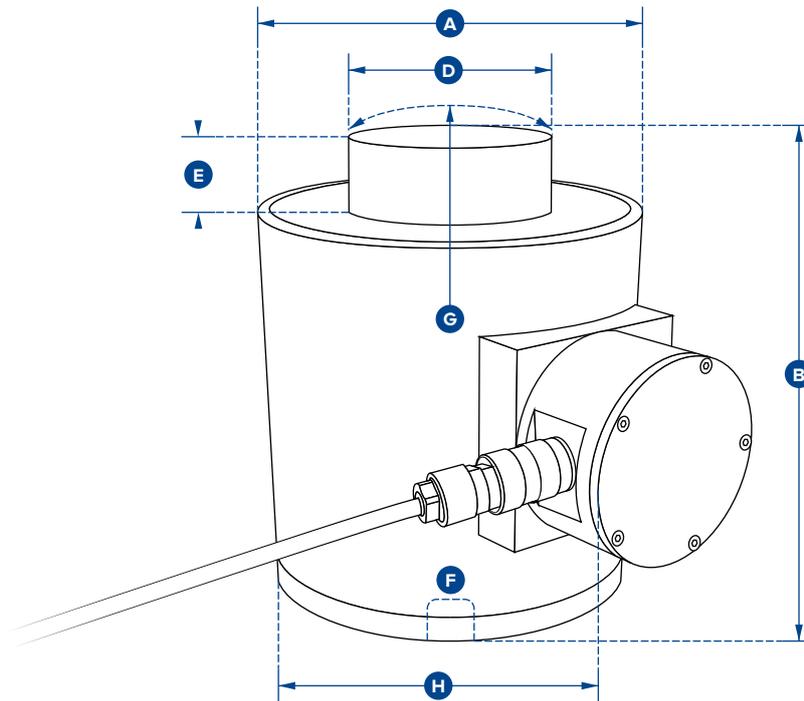
The compact lightweight design provides ease of use and superior portability, allowing Straightpoint compression load cells to be used in a broad range of industries including mining, energy, defence, heavy rigging, shipping, and general transportation sectors.

Utilising the same advanced microprocessor based electronics as all Straightpoint products, Straightpoint's compression load cells benefit from high sampling rates, extreme resistance to industrial level noise and unprecedented stability. This high stability gives this product over 5,000 divisions and the highest standard resolution of any high capacity compression load cell on the market today.

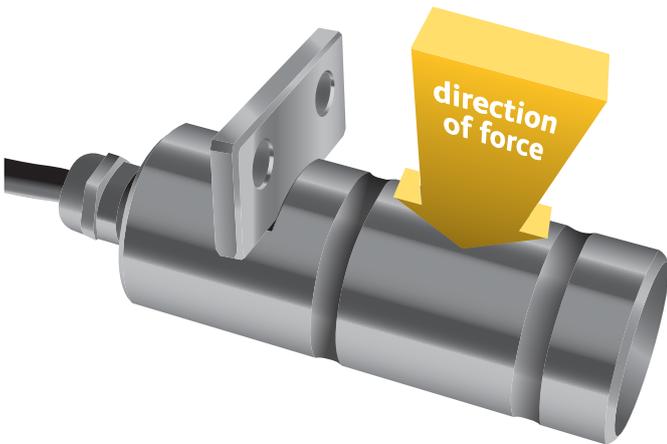
Like all Straightpoint products, Straightpoint compression load cells offer robust construction, advanced electronics, industry leading resolution and accuracy all at a cost-effective, affordable price.



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Part Number	NI5TC	NI10TC	NI25TC	NI50TC	NI100TC	NI150TC	NI300TC	NI500TC
Capacity	5te	10te	25te	50te	100te	150te	300te	500te
	11000lb	22000lb	55000lb	110000lb	220000lb	330000lb	660000lb	1100000lb
Resolution	0.001te	0.002te	0.005te	0.01te	0.05te	0.05te	0.1te	0.2te
	2lb	5lb	10lb	20lb	100lb	100lb	200lb	500lb
Units	tonne							
	lb							
Weight	3.2kg	3.2kg	3.2kg	6.2kg	15.5kg	15.5kg	65kg	65kg
	7lb	7lb	7lb	13.64lb	34lb	34lb	143lb	143lb
Safety Factor	3:1							
Operating Temp	-10°C to +50°C / 14°F to 122°F							
Accuracy	±0.3% of applied load							
Protection	IP67 / NEMA 6							
Dimension ØA	76	76	76	102	152	152	185	185
	2.99"	2.99"	2.99"	4.02"	5.98"	5.98"	7.28"	7.28"
Dimension B	83	83	83	127	184	184	300	300
	3.27"	3.27"	3.27"	5.00"	7.24"	7.24"	11.81"	11.81"
Dimension ØD	32	32	32	59	80	80	155	155
	1.26"	1.26"	1.26"	2.32"	3.15"	3.15"	6.10"	6.10"
Dimension E	10	10	10	13	26	26	27.5	27.5
	0.39"	0.39"	0.39"	0.51"	1.02"	1.02"	1.08"	1.08"
Dimension F	M12 x 1.75	M12 x 1.75	M12 x 1.75	M20 x 2.5				
	M12 x 1.75	M12 x 1.75	M12 x 1.75	M20 x 2.5				
Dimension G	152	152	152	152	432	432	432	432
	5.98"	5.98"	5.98"	5.98"	17.01"	17.01"	17.01"	17.01"
Dimension H	96	96	96	154	204	204	237	237
	3.78"	3.78"	3.78"	6.06"	8.03"	8.03"	9.33"	9.33"



**Please note:** Please advise cable configuration on order - Radial or Axial pin exit.  
If you require a Loadpin to a particular size and design, download Straightpoint's Loadpin questionnaire and return, POA. [www.straightpoint.com/loadpin.html](http://www.straightpoint.com/loadpin.html)

## Applications:

- Marine tankers, offshore platforms
- Elevator and floor conveyor testing and certification
- Bearing blocks, pivots and shackles
- Cable laying equipment
- Rope, chain, and brake anchors
- Bridge support cables
- Mooring lines
- Pulleys and sheaves
- Crane cables
- Hoisting gear
- Winches
- Design validated by F.E.A.



Requires connection to Straightpoint's Handheld plus (HHP), Desktop Controller data logging software (DCP10M) or External Amplifier range (SA-3420) that can be configured to provide outputs such as 4-20mA, 0-10v, 0-5v for PLC or data logger integration.

**The Straightpoint range of Load Measurement Pins (LMP's) are designed for use in applications where an end of line load cell cannot be used an integrated solution is required.**

Often a customised solution they are manufactured from high tensile stainless steel and are normally supplied complete with an anti-rotation plate as a cabled or wireless solution.

Built to withstand the harshest environments in industries such as marine and offshore oil and gas they are suitable for use in exposed situations and can be supplied to withstand immersion in seawater to extreme depths.

Straightpoint Loadpins are typically connected to Straightpoint's Handheld plus or may be supplied with a vast array of output formats to include mV/V, RS-422, RS-485, utilising the ASCII, MODBUS TRU and CAN-BUS protocols or an analogue output such as 4-20mA for PLC integration. They are

also supplied with a 10 metre / 32ft cable as standard however usable cable length varies greatly with lengths available to 1500 metres / 4900ft depending on output format.

Please email your enquiry to: [sales@straightpoint.com](mailto:sales@straightpoint.com)

Wireless version available  
with hazardous area approval



**ATEX / IECEX**

**Ex ia II C T4 Ga**

Certification numbers:

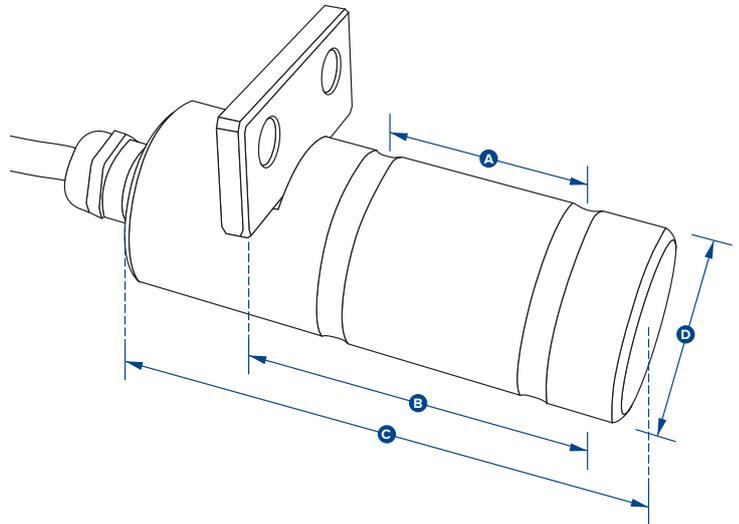
**LP ATEX**

IECEX SIR 16.0041X / Sira 16ATEX2108X

**SW-HHP ATEX**

IECEX SIR 15.0072X / Sira 15ATEX2196X

**Add 'ATEX' to the part number  
when ordering ATEX/IECEX products.  
For example: LP500KG-ATEX**



Part Number	LP500KG	LP1T	LP2.5T	LP3.5T	LP6.5T	LP15T	LP25T	LP50T	LP100T	LP250T	LP500T	LP750T	LP1000T	LP1500T
Capacity	500kg	1000kg	2.5te	3.5te	6.5te	15te	25te	50te	100te	250te	500te	750te	1000te	1500te
	1100lb	2200lb	5500lb	7700lb	14000lb	33000lb	55000lb	110000lb	220000lb	550000lb	1100000lb	1650000lb	2200000lb	3300000lb
Resolution	2kg	0.5kg	0.001te	0.001te	0.002te	0.002te	0.005te	0.01te	0.05te	0.1te	0.2te	0.2te	0.5te	0.5te
	0.5lb	1lb	2lb	2lb	5lb	5lb	10lb	20lb	100lb	200lb	500lb	500lb	1000lb	1000lb
Units	kgs, tonnes													
Weight	lbs													
	0.9kg	1kg	1.2kg	1.4kg	2kg	3.1kg	5.6kg	8.6kg	11.8kg	29.8kg	79.2kg	146kg	275kg	389kg
	0.4lb	0.5lb	0.9lb	1.3lb	2.6lb	5lb	10.3lb	18lb	24lb	64lb	172lb	319lb	603lb	854lb
Safety Factor	300% of SWL													
Operating Temp	-20°C to +70°C / -4°F to 158°F													
Accuracy	±1% of applied load													
Protection	IP67 (IP68 available as an option) / NEMA 6 (NEMA 6P available on application)													
Dimension A	24	35	45	50	63	75	89	102	110	130	225	295	360	430
	0.94"	1.38"	1.77"	1.97"	2.48"	2.95"	3.50"	4.02"	4.33"	5.12"	8.86"	11.61"	14.17"	16.93"
Dimension B	36	49	70	75	95	114	152	178	190	220	370	500	612	731
	1.42"	1.93"	2.76"	2.95"	3.74"	4.49"	5.98"	7.01"	7.48"	8.66"	14.57"	19.69"	24.09"	28.78"
Dimension C	70	80	100	105	125	150	195	225	230	300	440	590	712	832
	2.76"	3.15"	3.94"	4.13"	4.92"	5.91"	7.68"	8.86"	9.06"	11.81"	17.32"	23.23"	28.03"	32.76"
Dimension ØD	20	20	25	30	40	50	63	75	88	125	170	200	250	275
	0.79"	0.79"	0.98"	1.18"	1.57"	1.97"	2.48"	2.95"	3.46"	4.92"	6.69"	7.87"	9.84"	10.83"

# Loadblock plus



## Features and benefits:

- Large 25mm/1" LCD Display
- High resolution
- 100Hz Peak hold
- Compact size
- Push button tare
- Preset tare
- RS485 port for connection to datalogging system
- Selectable units te, lbs, kN & kg

**The Loadblock plus is a low capacity, self-indicating compression load cell, used in many testing and load monitoring applications worldwide.**

The integral display eliminates the need for a separate display or cable assembly that can be easily damaged. Applications include the measurement of loads associated with the testing of hydraulic presses, cylinders or jacks.

This latest version of Straightpoint's Loadblock has advanced features and benefits providing solutions for today's complicated load test and force monitoring needs. Features include full function push button controls for tare, units of measure (lbs, kg, kN, and tonnes), peak hold, pre-set tare, audible set-point alarm and an overload counter.

This crucial overload alarm counter is a requirement for many safety and quality control departments, as it keeps track of overload events, allowing the load cell in question to be removed from service immediately, following a calibration voiding overload event. The load cell in question can then be sent out for proper testing and, if necessary, recalibration before re-entering service.

The advanced microprocessor based electronics provide the Loadblock plus with high speed read rates (500/sec), extreme

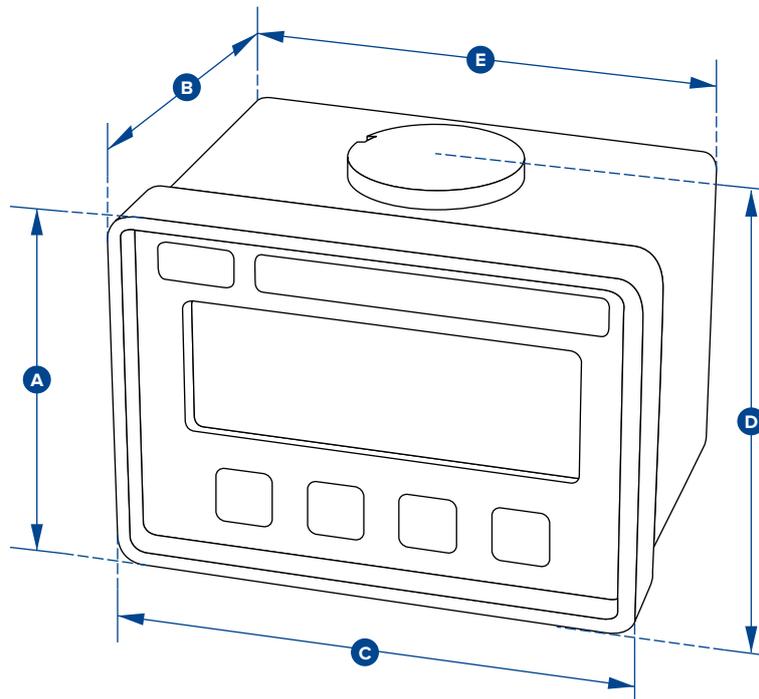
resistance to industrial level noise and unprecedented stability.

This high stability provides the Loadblock plus with 5,000 + divisions and the highest standard resolution of any self-indicating compression load cell on the market today.

The unit also features a RS-485 serial output port allowing for remote viewing with either the Handheld plus digital display/controller or Windows PC desktop controller data logging software.



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Part Number	LBP250KG	LBP500KG	LBP1T	LBP2T	LBP5T
Capacity	250kg 550lb	500kg 1100lb	1te 2200lb	2te 4400lb	5te 11000lb
Resolution	0.1kg 0.2lb	0.2kg 0.5lb	0.0005te 1lb	0.001te 2lb	0.001te 2lb
Units	t, kg, kN and lb lb, te, kN and kg				
Weight	900g 2lb	900g 2lb	900g 2lb	1.5kg 3.3lb	3.1kg 6.8lb
Safety Factor	4:1	5:1	5:1	5:1	5:1
Battery Type	9v PP3				
Battery Life	80hrs continuous				
Display Type	6 digit 25mm LCD / 6 digit 1" LCD				
Operating Temp	-10°C to 50°C / 14°F to 122°F				
Accuracy	±0.3% of applied load				
Protection	IP65 / NEMA 4X				
Dimension A	81 3.19"	81 3.19"	81 3.19"	92 3.62"	92 3.62"
Dimension B	81 3.19"	81 3.19"	81 3.19"	117 4.61"	136 5.35"
Dimension C	113 4.45"	113 4.45"	113 4.45"	112 4.41"	112 4.41"
Dimension D	90 3.54"	90 3.54"	90 3.54"	104 4.09"	115 4.53"
Dimension E	104 4.09"	104 4.09"	104 4.09"	Not available in this capacity	

# Miniweigher plus



## Features and benefits:

- Large 25mm/1" LCD Display
- High Accuracy
- Selectable Units te, lbs, kN & kg
- High Resolution
- Compact Size
- Tare
- Preset Tare
- Lightweight
- Overload Counter
- 90dB Audible Set Point Alarm
- RS-485 Serial Output
- Corrosion Resistant Finish

Optional connection to Straightpoint's Handheld plus (SU3343) or Straightpoint's Desktop controller data logging software package (DCP10M).

**This small and compact mini crane weigher scale will suit most lifting applications. Available in capacities from 100kg to 5t. Worldwide, it's Straightpoint's most popular product and has been manufactured since 1987. The Miniweigher plus crane scale offers robust construction, high accuracy, compact size and extreme portability.**

Utilised by utility companies on every continent, the Miniweigher plus crane scale is quite often mounted between a winch and a tripod, allowing the load monitoring and safe lowering and raising of equipment and personnel, and has proven itself to be an indispensable tool for underground sewer, water, gas, and utility vault access.

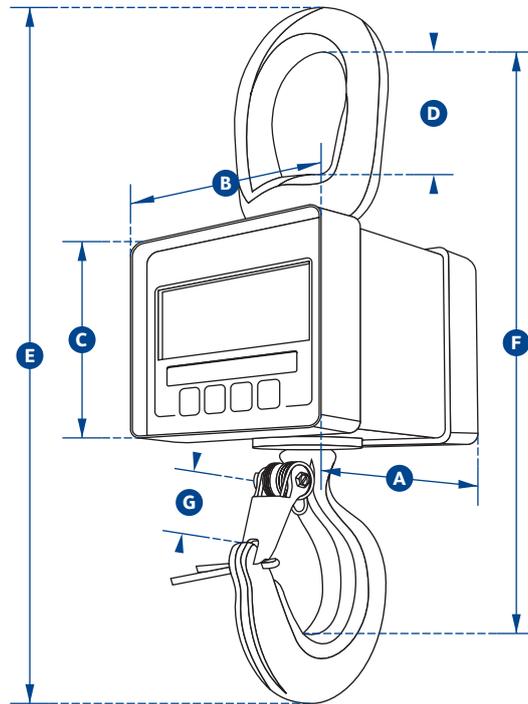
The Miniweigher plus features full function push button controls for tare, choice of units (lbs, kg, kN and tonnes), peak hold, preset tare, audible set-point alarm and an overload counter.

Straightpoint's advanced microprocessor based electronics provide the Miniweigher plus with high speed read rates, extreme resistance to industrial level noise and unprecedented stability. This high stability allows 5,000 + divisions and the highest standard resolution of any compact digital crane scale on the market today. The unit also features a RS-485 serial output providing added functionality and versatility.

In all, the lightweight design, corrosion resistant finish, advanced electronics and full feature display have made the Miniweigher plus crane scale the only choice when looking for a compact, safe and accurate, crane scale.



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Part Number	MWP100KG	MWP250KG	MWP500KG	MWP1T	MWP2T	MWP5T
Capacity	100kg 220lb	250kg 550lb	500kg 1100lb	1000kg 2200lb	2te 4400lb	5te 11000lb
Resolution	0.05kg 0.1lb	0.01kg 0.2lb	0.2kg 0.5lb	0.5kg 1lb	0.001te 2lb	0.001te 2lb
Units	t, kg, kN and lb lb, t, kg and kN					
Weight	1.5kg 3.3lb	1.5kg 3.3lb	1.5kg 3.3lb	1.5kg 3.3lb	3.1kg 6.8lb	8.7kg 19.2lb
Safety Factor	10:1	5:1	5:1	5:1	5:1	5:1
Battery Type	9v PP3					
Battery Life	80 hours continuous					
Display Type	6 digit 25mm LCD / 6 digit 1" LCD					
Operating Temp	-10°C to +50°C / 14°F to 122°F					
Accuracy	±0.3% of applied load					
Protection	IP65 / NEMA 4X					
Dimension A	82 3.23"	82 3.23"	82 3.23"	82 3.23"	117 4.61"	136 5.35"
Dimension B	113 4.45"	113 4.45"	113 4.45"	113 4.45"	112 4.41"	112 4.41"
Dimension C	81 3.19"	81 3.19"	81 3.19"	81 3.19"	92 3.62"	92 3.62"
Dimension D	50 1.97"	50 1.97"	50 1.97"	50 1.97"	64 2.52"	98 3.86"
Dimension E	240 9.45"	240 9.45"	240 9.45"	240 9.45"	320 12.60"	444 17.48"
Dimension F	208 8.19"	208 8.19"	208 8.19"	208 8.19"	271 10.67"	365 14.37"
Dimension G	22 0.87"	22 0.87"	22 0.87"	22 0.87"	28 1.10"	42 1.65"

# Jumboweigher



## Features and benefits:

- Large bright LED display
- High accuracy
- Aluminium housing
- Power saving mode
- Push button tare
- Hold function
- Large keys make operation simple even if wearing gloves

A popular choice among steel service centres and other heavy industrial applications, the Jumboweigher crane scale from Straightpoint offers a cost-effective alternative to its more expensive rivals yet a safe option over low cost crane weighers. The Jumboweigher series of crane scales offers high capacity, quality, accuracy, and safety at low capacity prices and are utilised worldwide in a variety of manufacturing and industrial applications.

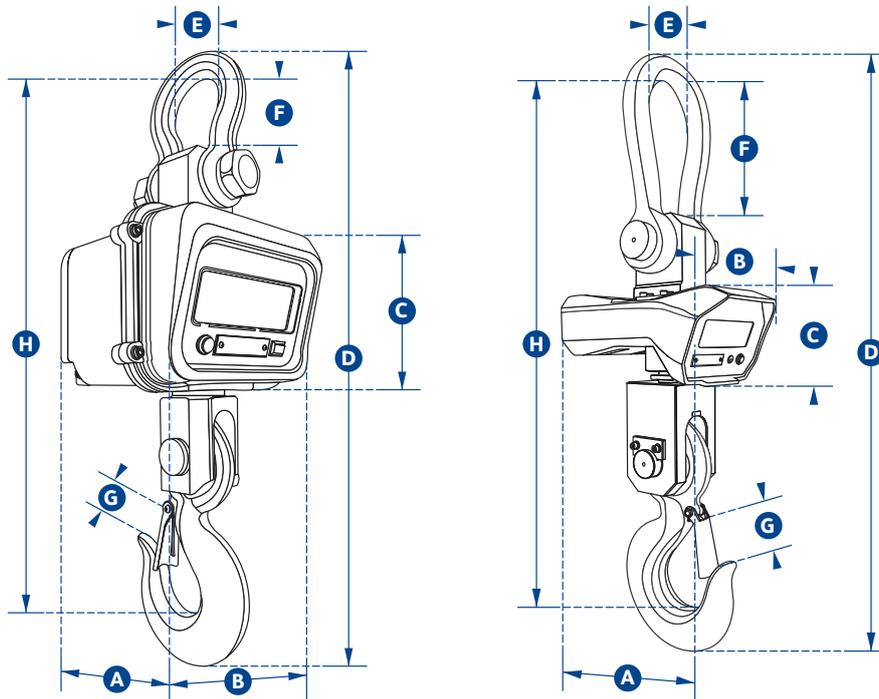
As with all Straightpoint products each Jumboweigher crane scale receives superior electronics, excellent build quality and certified calibration and proof testing. The heavy duty crane scale is extremely accurate, and is manufactured from quality materials, featuring a high strength aluminium alloy outer housing.

Each unit is equipped with a large and bright LED display that can be easily read even in direct sunlight. The simple to use remote features oversized buttons for use with gloved hands and provides for control of tare and hold functions. Battery charging intervals are extended by the standby power saving mode as well as the automatic shut off feature. As with all Straightpoint products each Jumboweigher is safety tested and is supplied with certification of calibration and proof testing.

If you are looking for a high quality, cost-effective crane scale and are unwilling to give up features and safety, look no further than the Jumboweigher crane scale from Straightpoint.



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Part Number	JW5T	JW10T	JW20T
Capacity	5000kg 11000lb	10000kg 22000lb	20000kg 44000lb
Resolution	2kg 5lb	5kg 10lb	10kg 20lb
Units	kg lb		
Weight	18kg 40lb	29kg 64lb	75kg 165lb
Safety Factor	5:1		
Battery Type	Internal rechargeable		
Battery Life	20hrs		
Display Type	30mm / 1.18" LED		
Operating Temp	-10°C to +40°C / 14°F to 104°F		
Accuracy	±0.3% of applied load		
Protection	IP54 / NEMA 3		
Dimension A	195 7.68"	195 7.68"	355 13.98"
Dimension B	255 10.04"	255 10.04"	230 9.06"
Dimension C	180 7.09"	180 7.09"	165 6.50"
Dimension D	715 28.15"	780 30.71"	1115 43.90"
Dimension E	72 2.83"	90 3.54"	140 5.51"
Dimension F	90 3.54"	110 4.33"	230 9.06"
Dimension G	36 1.42"	50 1.97"	70 2.76"
Dimension H	595 23.43"	660 25.98"	980 38.58"

# Handheld plus

## Features and benefits:

- Overload counter
- User settable 90db audible overload alarm
- Multiple display units – tonnes, lbs, kg and kN
- 100Hz Peak hold
- Pre-set tare
- Wireless range 700m/2300ft

The Handheld plus is a rugged and versatile digital handheld display with a broad range of features and suitable for all Straightpoint load cell products.

At the heart of the ergonomically designed Handheld plus is a powerful PCB providing industry leading features such as user selectable units of measure (tonnes, lbs, kg and kN), programmable audible overload alarm, peak hold, pre-set tare and a user resettable overload counter.

This crucial overload alarm counter is a requirement for many safety and quality control departments, as it keeps track of overload events, allowing the load cell in question to be removed from service immediately, following the calibration voiding overload event. The load cell in question can then be sent out for proper testing and, if necessary, recalibration before re-entering service.

The HHP is suitable for connection via cable to any Straightpoint cabled load cell product and easily adapted to any other manufacturers' load cell product with a mv/v output.

In addition to the standard HHP the SW-HHP is suitable for connection to any Straightpoint wireless load cell, has a range of up to 700m/2300ft and is supplied as standard with the Radiolink plus load cell.



Wall or Cab  
Mount Bracket  
available for handheld  
Part No.  
SU3282

Part Number	SW-HHP	HHP
Battery Type	2 x AA	1 x PP3 9v alkaline
Battery Life	60hrs continuous	80hrs continuous
Display Type	6 digit 25mm LCD / 6 digit 1" LCD	
Operating Temp	-10°C to +50°C / 14°F to 122°F	
Display Rate	3Hz	
Protection	IP65 / NEMA 4X	
Excitation	N/A	5v
Max Sensitivity	N/A	3mv/v
Max Resolution	1:999999 (normal mode)	
Connectivity	Wireless 2.4GHz	6-way female binder 423 socket



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## SU3282

### Wall or Cab Mount Bracket

Constructed from stainless steel and fitted with a viewing angle adjusting mechanism the SU3282 bracket fits either the HHP or SW-HHP handheld displays. Ideal for wall or cab mounting leaving the operators hands free to work safely.



## SA-3420

### External Amplifier

The SA-3420 external amplifier allows you to convert the output of any of our cabled load cell products into a three wire 4-20mA analogue output. The weatherproof enclosure is fitted with stainless steel glands and is suitable for connection to a PLC, data logger or other instrumentation.



## DCP10M

### Windows-based Software Package

Windows-based software DCP10M plugs into the spare port on the Load cell and connects to a Windows-based PC, laptop or tablet. This easy to use software allows the operator to view live loads, control the load cell on screen and then log data dynamically by time and date or as a single reading report. Supplied with a 10 metre or 30 foot cable assembly, other lengths are available on application. A spare USB port is required.



## SU4045

### Handheld Rubber Boot

Drop tested to one metre at  $-30^{\circ}\text{C}$  this 70SHA rubber boot is purpose moulded to fit and protect the HHP and SW-HHP handheld display against impact when being used in the harshest industrial environments.

# Industries



## construction

Tower cranes weighing materials with a digital dynamometer, using compression load cells to monitor piling loads, testing of reinforced steelworks or real time monitoring of building load distribution are all applications where Straightpoint can offer a load monitoring solution.

Straightpoint's range of wireless tension and compression load cells connected to our impressive range of handheld displays or multi Load cell data logging or centre of gravity software are used throughout the worldwide construction industry on a daily basis.

## logistics

For simple logistics and shipping weighing to measuring forces on mooring tension lines Straightpoint have a solution. Products are IP rated and constructed from marine grade materials to ensure that they remain accurate, reliable and most importantly safe for use.

For weighing up to 5t the Miniweigher plus is the go to compact crane scale for safe and accurate weighing and Straightpoint's bestselling Radiolink plus takes care of the heavier lifts allowing the operator to safely stand at distance of 700m or 2300 feet from the load.

For moving lines with no dead end to rig a digital dynamometer, the TIMH dynamic load monitoring system will measure tension in motion and display either via cable or wirelessly to the monitoring station.

## oil and gas

In the oil and gas centres of Scotland, Scandinavia and the gulf states of the USA the Radiolink plus load cell and its new addition the Radiolink plus ATEX / IECEx are the industry standard for weighing and dynamic load monitoring applications.

For lower headroom applications our wireless load shackles are also the first choice for service trucks and riggers in the oilfields. A rugged handheld display with easy to change AA batteries, no external antennae and industry leading wireless range allow the operator to stand at a safe distance in the most hazardous areas up to zone 0.

## utilities

Utility companies across the globe all use Straightpoint products.

Power line tensioning, pump station maintenance and critical lift monitoring are all applications for Straightpoint's range of load cells. No utility service truck is complete without a Straightpoint product in its kit.

## marine

For offshore, subsea and general marine applications Straightpoint have a range of Running Line Dynamometers, Loadshackles and Shear Pin load cells. Straightpoint's Loadshackles and Loadpin products can be manufactured for subsea use if required and output options such as 4-20mA or Modbus.

For mooring, cable laying and winch applications the TIMH running line dynamometer can be used to measure both tension and line out.

## heavy lift

When large industrial items such as absorbers, generators, turbines, reactors, boilers, towers, locomotives, boats, military equipment or offshore industry parts such as oil rigs and production platforms have to be moved, heavy lift companies need large capacity load cells and on short lead times.

For many heavy lift projects there is an absence of standardisation which requires an individual transport planning and with a range of tension and compression load cells and software including an ISO19901 compliant centre of gravity software package in stock and ready to ship Straightpoint's commitment to the heavy lift industry is second to none.

## towage and salvage

Load monitoring is essential in the marine, towing and mooring industries as ever changing sea states create unknown and variable loads.

## stage and event rigging

With safety in mind Straightpoint has a range of stage and event rigging load cells. The load shackle and low headroom link are specifically useful where there is little head room space.

Up to 100 load cells can be connected to the wireless load shackle via Straightpoint's software SW-MWLC100 for more complex applications.

## testing

Load testing with water bags, other weights or fixed load points is an ideal application for the Straightpoint range of load cells.

Straightpoint's Radiolink plus, Wireless shackle load cells or compression load cells used in parallel with the Proof Test plus software package testing can be performed at a safe distance and all dynamic and static forces logged into a test certificate for later analysis and client approval.

## Accreditations

Third party accreditation communicates to our customers and prospects that we comply with internationally recognised standards, building confidence whilst demonstrating our commitment to safety and quality.



FM 584438



ISO 9001 is the internationally recognised standard for the quality management of businesses. Our BSI accreditation means that we have been assessed against internationally recognised standards and operate to the highest levels of quality and service, providing further assurance to you that the certificate issued to us is credible.

Ex/IECEx approval on Straightpoint wireless product range, all connected to the first of its kind. Hand Control SW-HHPEX, Radiolink plus, Loadshackle, Compression Load Cell, Loadpin and Running Line Tensiometer.



All Straightpoint products are CE marked. CE is an abbreviation of the French phrase "Conformité Européene" which means "European Conformity". CE Marking on a product is our declaration that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislation.



Sira has come a long way since its inception in 1918 as a scientific research organisation for the British optics industry, to now being one of many certification services offered by the Canadian Standards Association (CSA Group). In May 2015 Sira merged with another CSA-UK company in Leyland, and formed a new legal entity "CSA Group Testing UK Ltd".

## Affiliations



LEEA is established across the globe as the respected and authoritative representative body for all those involved in the lifting industry worldwide, representing their members at the highest levels across a range of both public and private bodies. The association has played a key role in this specialised field for over 70 years, from training and standards setting through to health and safety, the provision of technical and legal advice, and the development of examination and licensing systems.



ASME is the leading international developer of codes and standards associated with the art, science, and practice of mechanical engineering. Starting with the first issuance of its legendary Boiler & Pressure Vessel Code in 1914, ASME's codes and standards have grown to nearly 600 offerings currently in print. These offerings cover a breadth of topics, including pressure technology, nuclear plants, elevators / escalators, construction, engineering design, standardisation, and performance testing.



AWRF was formed in 1975 and incorporated the following year by a group of concerned businessmen who felt there was a need for sling fabricators and special rigging components manufacturers to join together to form a trade association. Originally created by representatives from nine companies in the United States, in two decades the organisation grew to concentrate on the needs of over 400 member companies worldwide.



SC&RA is an international trade association of nearly 1,300 member companies from 43 nations. Members are involved in specialised transportation, machinery moving and erecting, industrial maintenance, millwrighting, crane and rigging operations, manufacturing and rental. It helps run more efficient and safer businesses by monitoring and affecting pending legislation and regulatory policies at the state and national levels; researching and reporting on safety concerns and best business practices.



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