Load Monitoring
products

making the lifting industry a safer place

Crosby® | SP®

know the load

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!

#knowtheload

Contents

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
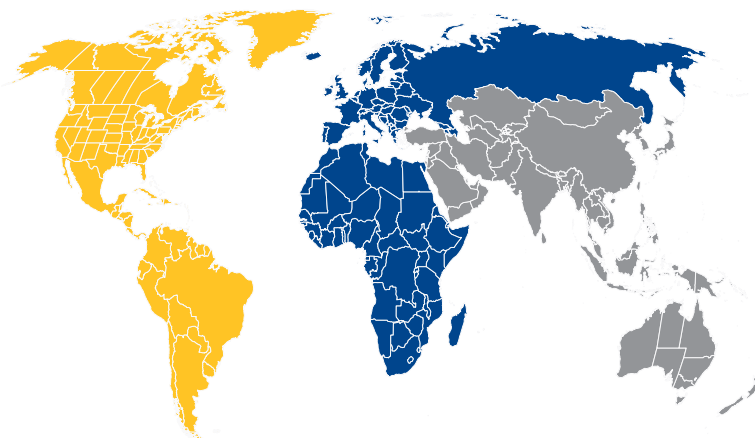
Contact details

Crosby | Straightpoint

Unit 9, Dakota Park
Downley Road
Havant, Hampshire
PO9 2NJ · UK

Tel: +44 (0)2392 484491

2801 Dawson Road
Tulsa, OK 74110 · USA

Tel: +1 (918) 834-4611

straightpoint.com · sales@straightpoint.com

Radiolink plus

TYPE APPROVAL
DNV·GL
DNVGL-ST-0378

ASME
SETTING THE STANDARD

- Hardened bushes to accept industry standard shackles
- Std. AA Batteries 1200hrs Easy no tools access
- Internal Antennae
- Environmental protection IP67 or NEMA6
- High-quality hard anodised aerospace aluminium
- Angular ends to reduce weight and snagging when rigged

Crosby | SP
Radiolink plus
Max: 25t x 0.005t

Wall or Cab Mount Bracket
available for handheld
SP Crosby
Part Nos.
SU3282
2789228

- 700m or 2300ft Wireless Range
- 90db Audible Overload Alarm
- Multiple Display Units t/lbs/kg/kN

Wireless Hand Held Plus

Press 3 seconds for on-off. Auto-off in 20 mins.

Peak hold on-off

Press to toggle units of measure

Press to tare, units will flash. Hold to reset.

- 100Hz Peak Hold
- Preset Tare

Crosby | SP

Radiolink plus is designed to be rigged with Crosby standard shackles. Straightpoint's DNV-GL type approved wireless tension load cell is capable of weighing and dynamic load monitoring capacities from 1t to 500t (all in stock). An ATEX and IECEx version is also available for hazardous areas, zones 0, 1 & 2.

Two versions of the RLP are available:

- Long range 2.4GHz version providing industry leading wireless range of 700m or 2300ft to SP's SW-HHP handheld or software options.
- Bluetooth output and can be connected to any smart phone running our free HHP app on iOS or Android, at ranges up to 100m or 328ft.

Constructed from high-quality aerospace grade aluminium, the RLP features an advanced internal design structure. This design provides the product with an unrivalled strength to weight ratio. The use of a separate internal sealed enclosure administers the load cell's electronic components with IP67 or NEMA6 environmental protection, even with the battery cover plate missing. All these features makes it an industry-leading dynamometer, suitable for use in the harshest of environments.

The versatile RLP is able to provide an update rate of 3Hz and can be easily configured to run at industry-leading speeds of up to 200Hz, making it ideal for dynamic force measurement.

Decades of development into this product include many stand out features, such as SP's unique strain gauging method that helps compensate for wire rope torque when it is loaded. The Radiolink plus tension load cell can also be used in combination with Straightpoint 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.

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

Features and benefits:

- Proprietary 2.4 GHz Wireless
- Remote On-Off from handheld display or software
- ATEX Zones 0, 1 & 2 available
- Design validated by F.E.A.
- 2-year warranty
- DNV-GL Type Approval
- Complies with ASME B30.26

- Bluetooth option is available and is supplied with a free HHP App for iOS and Android See page 27

Also available with hazardous area approval. Zones 0, 1 & 2

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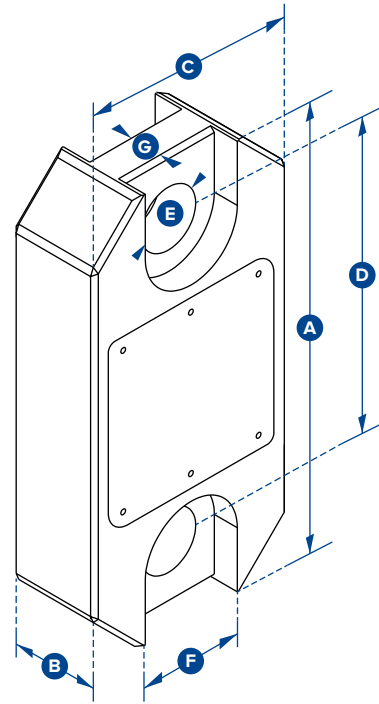### Ex ia II C T4 Ga

Certification numbers:
RLP ATEX
IECEx SIR 15.0071X / Sira 15ATEX2195X
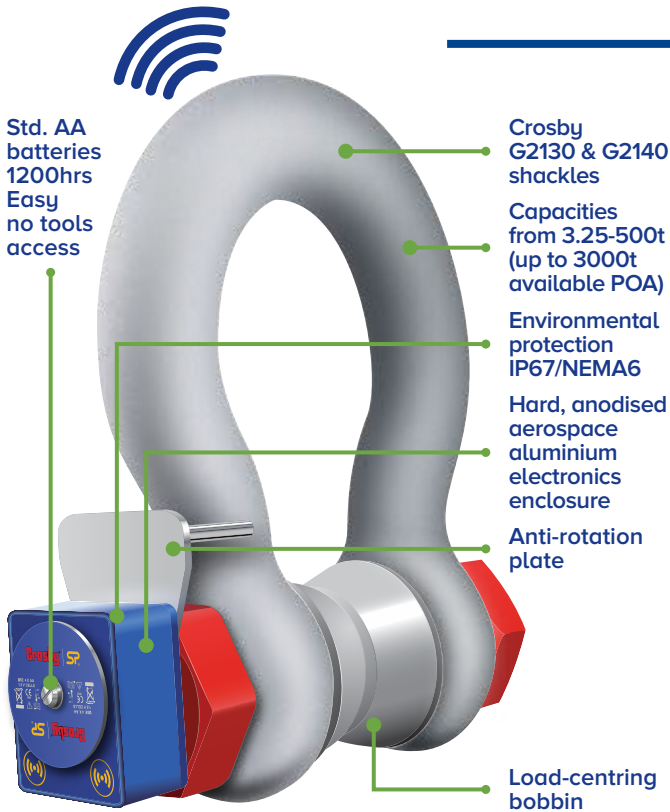**SW-HHP ATEX**
IECEx SIR 15.0072X / Sira 15ATEX2196X

Add 'ATEX' to the part number when ordering ATEX/IECEx products. For example: RLP6T5-ATEX

Part Numbers SP	RLP1T	RLP2T5	RLP6T5	RLP12T	RLP25T	RLP35T	RLP55T	RLP75T	RLP100T	RLP150T	RLP200T	RLP250T	RLP300T	RLP500T
Crosby	2789084	2789089	2789094	2789082	2789088	2789091	2789093	2789095	2789081	2789083	2789085	2789087	2789090	2789092
Capacity	1,000kg	2.5te	6.5te	12te	25te	35te	55te	75te	100te	150te	200te	250te	300te	500te
	2200lb	5500lb	14300lb	26000lb	55000lb	77000lb	120000lb	165000lb	220000lb	330000lb	440000lb	550000lb	660000lb	1100000lb
Resolution	0.5kg	0.001te	0.001te	0.002te	0.005te	0.005te	0.01te	0.01te	0.05te	0.05te	0.1te	0.1te	0.1te	0.1te
	1lb	2lb	2lb	5lb	10lb	10lb	20lb	20lb	100lb	100lb	200lb	200lb	200lb	200lb
Units	kg	te	te	te	te	te	te	te	te	te	te	te	te	te
	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb
Weight	1.5kg	1.5kg	2.4kg	3.7kg	5kg	8.6kg	13kg	16kg	34kg	46kg	82kg	82kg	118kg	193kg
	3.3lb	3.3lb	5.3lb	8.2lb	11lb	19lb	28.7lb	35.3lb	75lb	101.4lb	180.8lb	180.8lb	260lb	425.5lb
Safety Factor	12:1	7:1	7:1	7:1	5:1	5:1	5:1	5:1	5:1	4:1	5:1	4:1	5:1	5:1
Battery Type	Handheld 2 x AA / Load cell 4 x AA													
Battery Life	Handheld 60 hours/Load cell 1200 hours continuous (Load cell 500 hours if Bluetooth)													
Display Type	6 digit 25mm or 1" LCD													
Operating Temp	-10°C to +50°C or 14°F to 122°F													
Accuracy	±0.1% of full scale													
Frequency	2.4 GHz													
System Range	700 metres or 2300 feet (100 metres or 328 feet if Bluetooth)													
Data Rate	3 Hz - up to 200 Hz can be ordered for dynamic load monitoring applications													
Protection	IP67 or NEMA6													
Dimension A	204	204	249	305	340	393	424	470	608	670	700	700	806	930
	8.03"	8.03"	9.80"	12.01"	13.39"	15.47"	16.69"	18.50"	23.94"	26.38"	27.56"	27.56"	31.73"	36.61"
Dimension B	43	43	43	47	60	75	75	75	99	99	144	144	150	150
	1.69"	1.69"	1.69"	1.85"	2.36"	2.95"	2.95"	2.95"	3.90"	3.90"	5.67"	5.67"	5.91"	5.91"
Dimension C	104	104	113	113	115	126	180	202	255	303	350	350	426	570
	4.09"	4.09"	4.45"	4.45"	4.53"	4.96"	7.09"	7.95"	10.04"	11.93"	13.78"	13.78"	16.77"	22.44"
Dimension D	146	146	165	193	215	225	230	260	320	360	350	350	350	450
	5.75"	5.75"	6.50"	7.60"	8.46"	8.86"	9.06"	10.24"	12.60"	14.17"	13.78"	13.78"	13.78"	17.72"
Dimension ØE	24.5	24.5	38	47.5	55	60	76	76	109	109	145	145	160	200
	0.96"	0.96"	1.50"	1.87"	2.17"	2.36"	2.99"	2.99"	4.29"	4.29"	5.71"	5.71"	6.30"	7.87"
Dimension F	48	48	66	Not relevant in this capacity										
	1.89"	1.89"	2.60"											
Dimension G	19	19	32											
	0.75"	0.75"	1.26"											
Crosby Shackle	G2130			G2140										G2160
Loading Pin Ø	19	19	25	35	51	57	57	70	83	95	121	127	152	180
	3/4"	3/4"	1"	1 3/8"	2"	2 1/4"	2 1/4"	2 3/4"	3 1/4"	3 3/4"	4 3/4"	5"	6"	7 1/8"

Internal Antennae Wireless Range of 700m or 2300ft

Wireless Loadshackle

Std. AA batteries 1200hrs Easy no tools access

Crosby G2130 & G2140 shackles

Capacities from 3.25-500t (up to 3000t available POA)

Environmental protection IP67/NEMA6

Hard, anodised aerospace aluminium electronics enclosure

Anti-rotation plate

Load-centring bobbin

Features and benefits:

- Wireless Range of 700m or 2300ft
- Electronics housed in hard anodised enclosure
- Environmentally sealed to IP67 or NEMA6
- Battery Life of 1200hrs from 4 x AA batteries
- Internal Antennae
- Remote On-Off from handheld display or software
- Supplied with a load-centring bobbin
- 2-year warranty
- Complies with ASME B30.26
- Design validated by F.E.A.
- ATEX Zones 0, 1 & 2 available

- Bluetooth option is available and is supplied with a free HHP App for iOS and Android See page 27

Straightpoint's Wireless Loadshackle (WLS) provides the perfect solution to limited headroom or super heavy lift projects. Available from stock in capacities from 3.25t to 500t (up to 3000t available POA), the WLS is constructed using industry-leading shackles from Crosby.

Two versions of the WLS are available:
- Long range 2.4Ghz version, providing industry-leading wireless range of 700m or 2300ft to SP's SW-HHP handheld or software options.
- Bluetooth output and can be connected to any smart phone running our free HHP app on iOS or Android, at ranges up to 100m or 328ft.

Each WLS is proof tested, then equipped with a hard-anodised aluminium electronics enclosure. Contained within this enclosure is an internal chassis providing IP67 or NEMA6 environmental protection, even with the battery cover plate missing.

Featuring industry leading wireless technology, the WLS can maintain an update rate of 3Hz. It can be easily configured to run at industry-leading speeds of up to 200Hz, if required for dynamic load measurement projects.

Utilising easily sourced AA alkaline batteries, the WLS features advanced circuitry, designed to protect the unit from damage associated with incorrectly installed batteries. This circuitry extends battery life, and the use of easily-sourced alkaline batteries, eliminating issues associated with rechargeable battery pack charging, failure and replacement.

The WLS 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.

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

Crosby | SP

#knowtheload

Crosby | **SP**

Also available with hazardous area approval. Zones 0, 1 & 2

Ex | **IECEx**

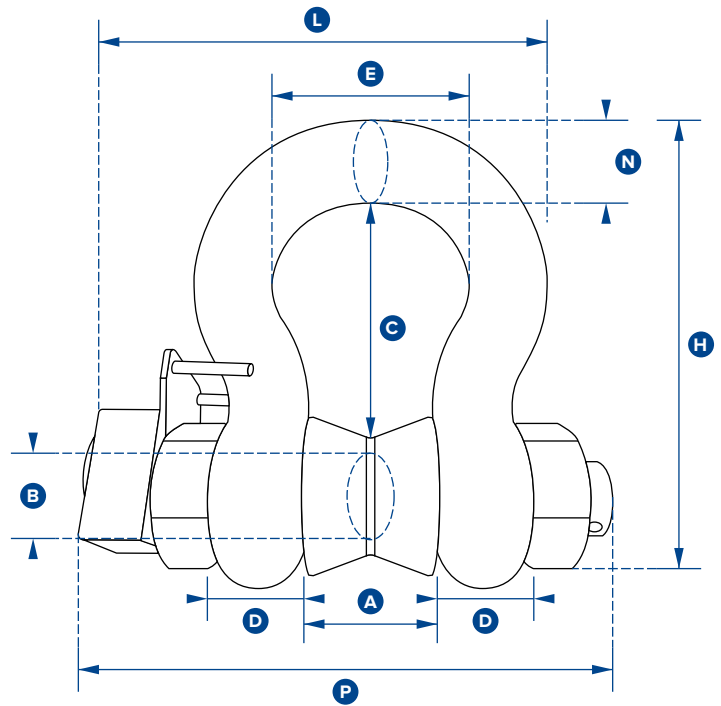## ATEX / IECEx
Ex ia II C T4 Ga

Certification numbers:
WLS ATEX
IECEx SIR 16.0041X / Sira 16ATEX2108X
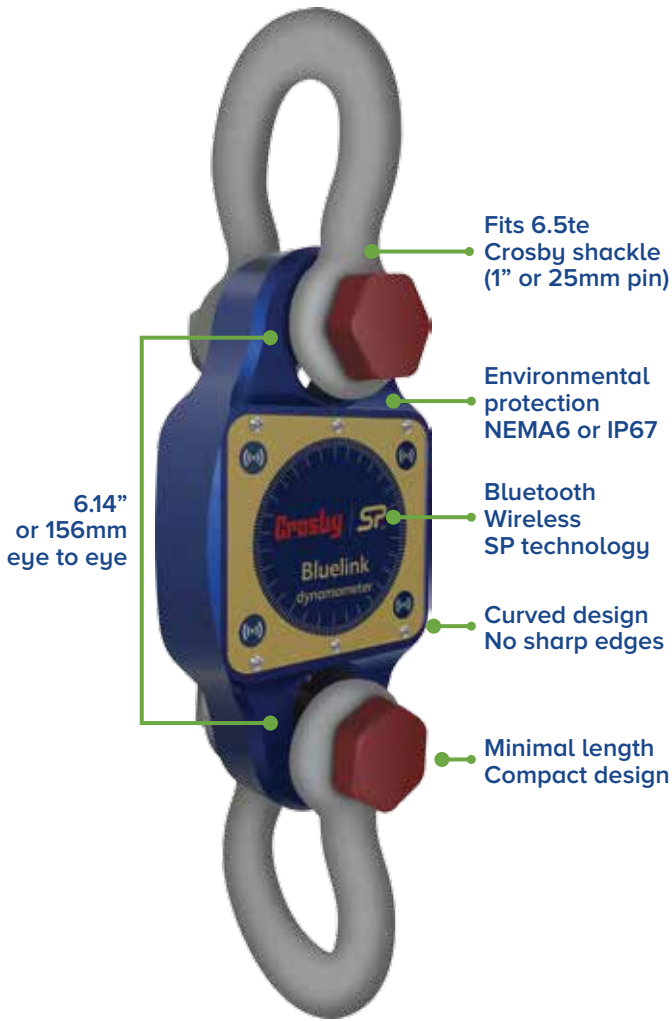**SW-HHP ATEX**
IECEx SIR 15.0072X / Sira 15ATEX2196X

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

Part Numbers SP	WLS3.25T	WLS6.5T	WLS12T	WLS25T	WLS55T	WLS85T	WLS120T	WLS200T	WLS300T	WLS400T
Crosby	2789186	2789200	2789183	2789185	2789199	2789201	2789172	2789184	2789188	2789189
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	230kg	398kg	556kg
	6.16lb	7lb	17.6lb	40lb	55lb	99lb	187lb	507lb	877lb	1226lb
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 (500 hours if Bluetooth)									
Operating Temp	-10°C to +50°C or 14°F to 122°F									
Accuracy	±1% full scale									
Frequency	2.4 GHz									
System Range	700 metres or 2300 feet (100 metres or 328 feet if Bluetooth)									
Data Rate	3 updates per second									
Protection	IP67 or NEMA6									
Dimension A	26.9	36.6	51.5	73	82.5	105	127	184	213	210
	1.06"	1.44"	2.03"	2.87"	3.25"	4.13"	5.00"	7.24"	8.39"	8.27"
Dimension ØB	19.1	25.4	35.1	51	57	70	82.5	121	152	178
	0.75"	1.00"	1.38"	2.01"	2.24"	2.76"	3.25"	4.76"	5.98"	7.01"
Dimension C	56.9	79.7	113	170	189.5	253	319.5	366	451	542
	2.24"	3.14"	4.45"	6.69"	7.46"	9.96"	12.58"	14.41"	17.76"	21.34"
Dimension D	16	22.4	31.8	44.5	51	66.5	76	116	124	165
	0.63"	0.88"	1.25"	1.75"	2.01"	2.62"	2.99"	4.57"	4.88"	6.50"
Dimension E	42.9	58	82.5	127	164	184	200	279	330	330
	1.69"	2.28"	3.25"	5.00"	6.46"	7.24"	7.87"	10.98"	12.99"	12.99"
Dimension H	106	148	210	313	348	453	546	706	871	1022
	4.17"	5.83"	8.27"	12.32"	13.70"	17.83"	21.50"	27.80"	34.29"	40.24"
Dimension L	127.1	156.5	196	281	306	368	408	580	652	680
	5.00"	6.16"	7.72"	11.06"	12.05"	14.49"	16.06"	22.83"	25.67"	26.77"
Dimension N	17.5	24.6	35.1	57	61	79	92	127	154	184
	0.69"	0.97"	1.38"	2.24"	2.40"	3.11"	3.62"	5.00"	6.06"	7.24"
Dimension P	143	173	218	293	317	394	441	667	722	784
	5.63"	6.81"	8.58"	11.54"	12.48"	15.51"	17.36"	26.26"	28.43"	30.87"

BlueLink

Fits 6.5te Crosby shackle (1" or 25mm pin)

Environmental protection NEMA6 or IP67

Bluetooth Wireless SP technology

6.14" or 156mm eye to eye

Curved design No sharp edges

Minimal length Compact design

0.574 te

Zero

Sim1

Wireless Range 328ft or 100m

Multiple weight unit measurement options (kg,te,lb,kN)

Audible alarm alert for high/low values

Peak Hold button Zero and Gross monitoring options

100 Hz Peak Hold

Reset Tare

**HHP App connects via Bluetooth on any iOS or Android device**

Designed to replace outdated mechanical products still in the field, this 14,300lb (6500kg) Dynamometer, the 'BlueLink', is the latest SP product to feature their proprietary Bluetooth wireless technology.

The Bluetooth signal effortlessly connects to any iOS or Android smartphone that has our free HHP app installed, providing the operator with a wireless range of up to 328ft or 100m. This allows them to stand in a safe position from the load, with no requirement to read a load on the load cell itself. The app will also allow the operator to log data versus time, or on events such as over or underload. An adjustable alarm will alert the operator on their smartphone if any overload is occurring.

Rigged using industry standard shackles such as Crosby G2130, the BlueLink has been designed to minimise headroom (6.14" or 156mm from eye to eye). With a safety factor of over 500%, its compact lightweight design does not sacrifice on strength.

Constructed from high-quality aerospace grade aluminium, which is then hard-anodised, it features an advanced internal design structure. This design provides the product with an unrivalled strength to weight ratio. The use of a separate internal sealed enclosure administers the load cell's electronic components with IP67 or NEMA6 environmental protection, even with the battery cover plate missing. All these features makes it an industry-leading compact dynamometer, even more suitable for use in the harshest industrial or leisure environments.

The BlueLink is powered by four standard AA alkaline batteries that provide in excess of 500 hours transmission time. Its internal antennae ensures safe transmissions of loads to an accuracy of ±0.2% FS.

#knowtheload
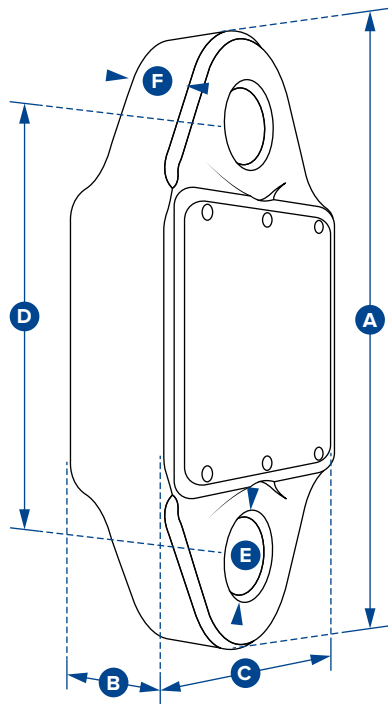
Part Numbers	
SP	**BLD6T5**
Crosby	**2789218**
Capacity	6.5te
	14,300 lbs
Resolution	0.001te
	2lbs
Weight	1.5kg
	3.3lbs
Safety Factor	5:1
Battery Type	4 x AA alkaline batteries
Battery Life	500hrs
Operating Temperature	-10°C to +50°C or 14°F to 122°F
Accuracy	± 0.2% of full scale
Range	100 metres or 328 feet
Data Rate	3Hz
Protection	IP67 or NEMA6
Dimension A	224
	8.82"
Dimension B	44
	1.73"
Dimension C	113.6
	4.47"
Dimension D	156
	6.14"
Dimension ØE	27.5
	1.08"
Dimension F	26
	1.02"

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 or NEMA6 for all weather use
- Massive battery life of 1200 hrs operational time
- Handheld display or data logging software options for all applications

- Bluetooth option is available and is supplied with a free HHP App for iOS and Android
  See page 27

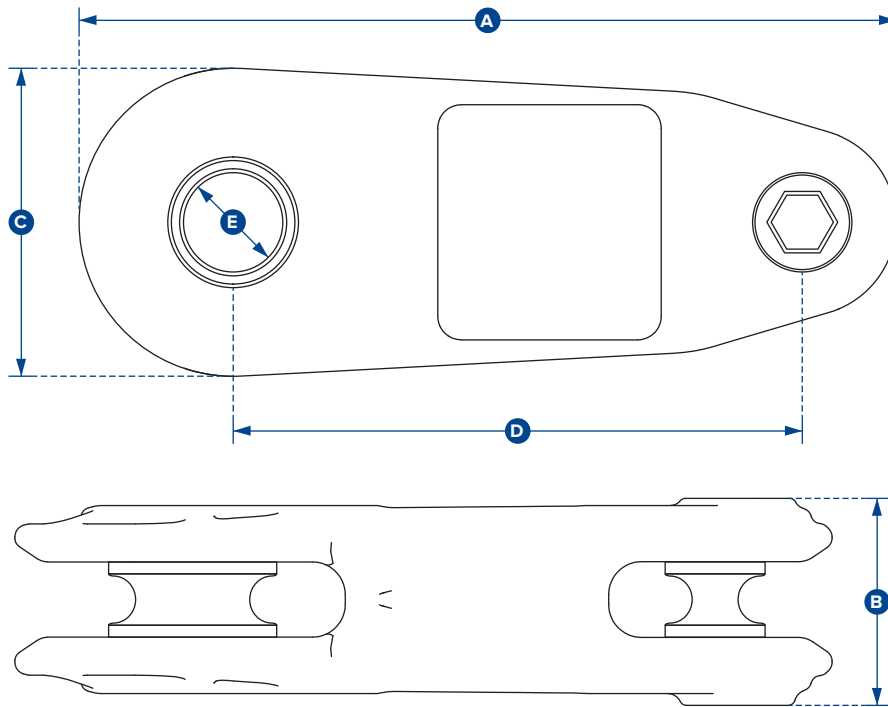**The safest choice for the working Arborist.**

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 combine beauty, strength and durability to ensure a rope-friendly surface. Coupled with wireless dynamic load monitoring electronics, and strain gauge technology from Straightpoint, it provides real-time data to either the 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.
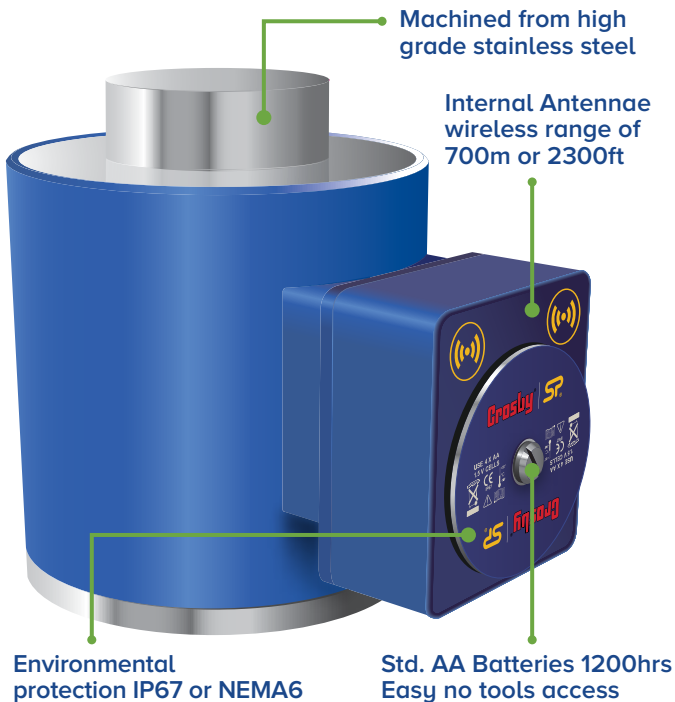
Applications:

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

Crosby® | **SP**

#knowtheload

Part Numbers	
SP	**WIB6T**
Crosby	**2789150**
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 (500hrs if Bluetooth)
Operating Temp	-10°C to +50°C or 14°F to 122°F
Accuracy	±0.1% of full scale
Frequency	2.4 GHz
System Range	700 metres or 2300 feet (100 metres or 328 feet if Bluetooth)
Data Rate	50Hz - up to 200Hz can be ordered for dynamic load monitoring applications
Protection	IP67 or NEMA6
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

Machined from high grade stainless steel

Internal Antennae wireless range of 700m or 2300ft

Environmental protection IP67 or NEMA6

Std. AA Batteries 1200hrs Easy no tools access

Features and benefits:

- Proprietary 2.4 GHz wireless
- Accuracy of ±0.1% FS
- Environmentally sealed to IP67 or NEMA6
- Stocked capacities up to 1000t
- Industry leading wireless range up to 700m or 2300ft
- Internal antennae
- ATEX & IECEx version for hazardous area zones 0, 1 & 2 available
- Battery life of 1200hrs
- Compact size
- Remote on-off
- Design validated by F.E.A.

- Bluetooth option is available and is supplied with a free HHP App for iOS and Android See page 27

The Straightpoint Wireless Compression Load Cell (WNI).

No longer hindered by troublesome and hard to maintain cables, large-scale projects can now be completed in a fraction of the time previously required. Multiple compression load cells can all connect wirelessly to SP's range of PC software via a USB dongle, their iOS and Android app or their SW-HHP wireless handheld display.

Maintenance and repair costs are all but eliminated due to the absence of cables and connectors. The flexibility of the product opens the door to a large number of applications in the heavy lift, energy, defence, rigging, shipping, and general transportation sectors.

Two versions of the WNI are available:
- Long range 2.4GHz version providing industry leading wireless range of 700m or 2300ft to SP's SW-HHP handheld or WCOGS software
- Bluetooth output and can be connected to any smart phone running our free HHP app on iOS or Android, at ranges up to 100m or 328ft.

Connected to Straightpoint's Wireless Centre of Gravity software (WCOGS), the WNI load cell can be used to weigh and verify centre of gravity of large and heavy objects, which may not be evenly proportioned. The system will report weight on each individual load cell, total weight and C-of-G in an html report based on ISO19901.

Straightpoint's Wireless Compression Load Cells are machined from high grade 17-4PH stainless steel, providing excellent strength and corrosion resistance, which makes them suitable for the most arduous industrial conditions.
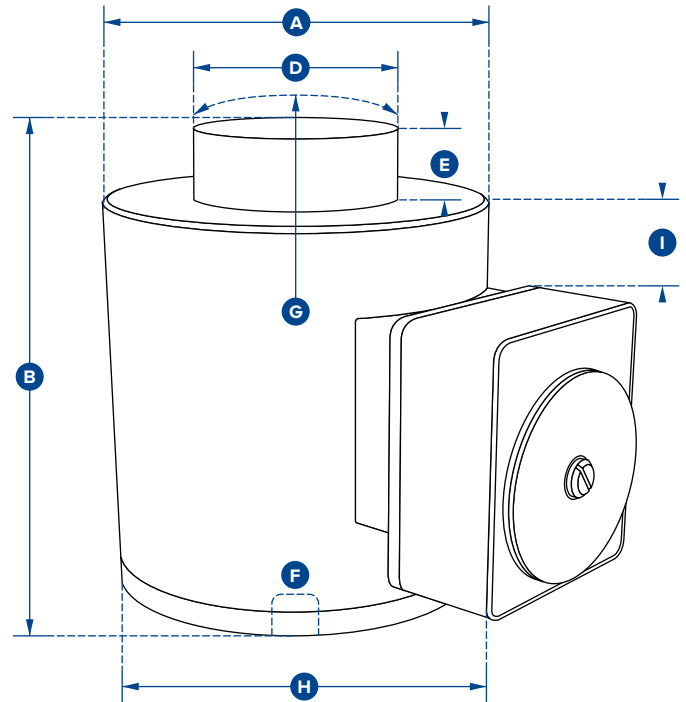
#knowtheload

Also available with hazardous area approval. Zones 0, 1 & 2
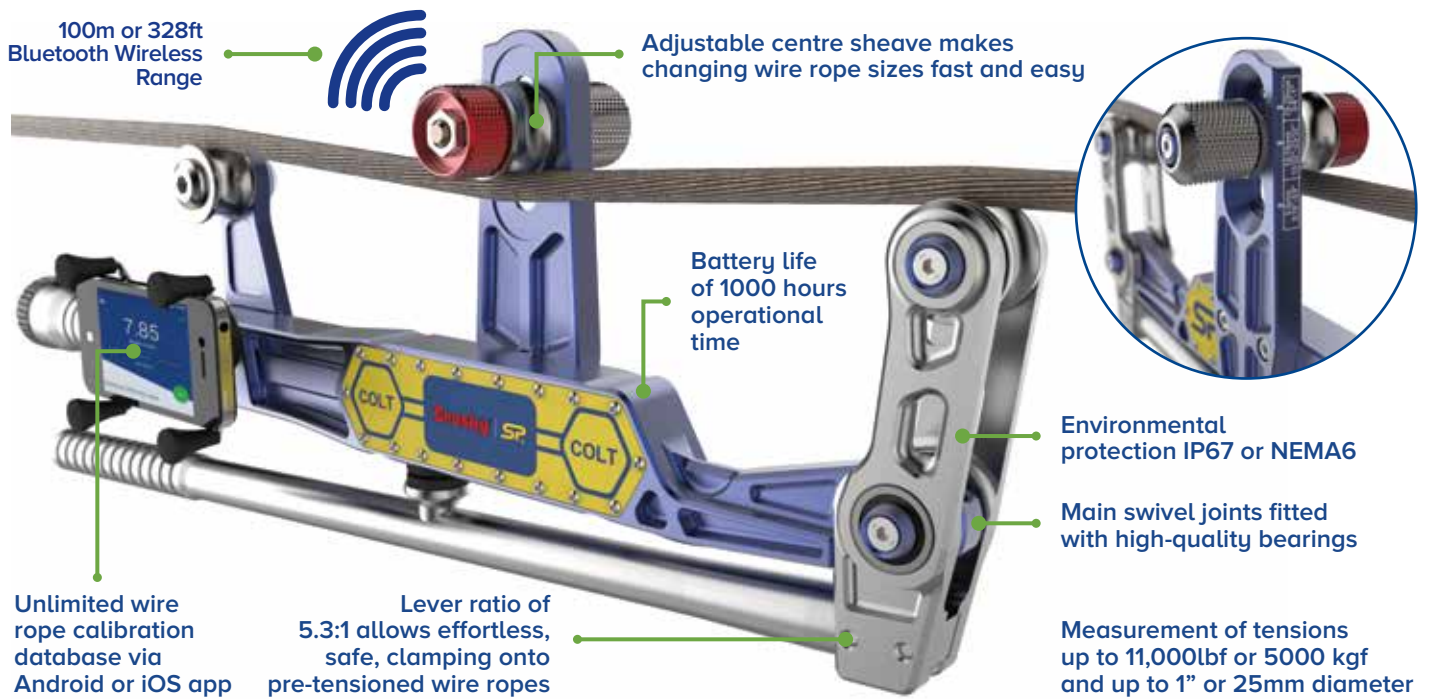
ATEX / IECEx

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 Numbers SP	WNI5TC	WNI10TC	WNI25TC	WNI50TC	WNI100TC	WNI150TC	WNI300TC	WNI500TC	WNI1000TC
Crosby	2789197	2789191	2789193	2789196	2789190	2789192	2789194	2789195	2789138
Capacity	5te	10te	25te	50te	100te	150te	300te	500te	1000te
	11000lb	22000lb	55000lb	110000lb	220000lb	330000	660000lb	1100000lb	2200000lb
Resolution	0.001te	0.002te	0.005te	0.01te	0.05te	0.05te	0.1te	0.2te	0.5te
	2lb	5lb	10lb	20lb	100lb	100lb	200lb	500lb	1000lb
Units	tonne								
	lb								
Weight	6.2kg	6.2kg	6.2kg	6.2kg	15.5kg	15.5kg	65kg	65kg	172kg
	13.64lb	13.64lb	13.64lb	13.64lb	34lb	34lb	143lb	143lb	379lb
Safety Factor	3:1								
Battery Type	Load cell 4 x AA Alkaline								
Battery Life	Load cell 1,200 hours continuous (500hrs if Bluetooth)								
Operating Temp	-10°C to +50°C or 14°F to 122°F								
Accuracy	±0.1% of full scale								
Frequency	2.4 GHz								
System Range	700 metres or 2300 feet (100 metres or 328 feet if Bluetooth)								
Data Rate	3Hz (configurable to 200Hz)								
Protection	IP67 or NEMA6								
Dimension ØA	100	100	100	100	152	152	185	185	362
	3.94"	3.94"	3.94"	3.94"	5.98"	5.98"	7.28"	7.28"	14.25"
Dimension B	127	127	127	127	184	184	300	300	310
	5.00"	5.00"	5.00"	5.00"	7.24"	7.24"	11.81"	11.81"	12.20"
Dimension ØD	59	59	59	59	80	80	155	155	270
	2.32"	2.32"	2.32"	2.32"	3.15"	3.15"	6.10"	6.10"	10.63"
Dimension E	16	16	16	16	26	26	27.5	27.5	40
	0.63"	0.63"	0.63"	0.51"	1.02"	1.02"	1.08"	1.08"	1.57"
Dimension F	M18 x 2.5	M18 x 2.5	M18 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M30 x 3.5
	M18 x 2.5	M18 x 2.5	M18 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M30 x 3.5
Dimension G	152	152	152	152	432	432	432	432	950
	5.98"	5.98"	5.98"	5.98"	17.01"	17.01"	17.01"	17.01"	37.40"
Dimension H	158	158	158	158	208	208	241	241	422
	6.22"	6.22"	6.22"	6.22"	8.19"	8.19"	9.49"	9.49"	16.61"
Dimension I	22	22	22	22	33	33	49	49	102
Load cell top to SA700 top	0.87"	0.87"	0.87"	0.87"	1.30"	1.30"	1.93"	1.93"	4.02"

Clamp On Line Tensionmeter

100m or 328ft Bluetooth Wireless Range

Adjustable centre sheave makes changing wire rope sizes fast and easy

Battery life of 1000 hours operational time

7.85

COLT Straightpoint SP COLT

Environmental protection IP67 or NEMA6

Main swivel joints fitted with high-quality bearings

Unlimited wire rope calibration database via Android or iOS app

Lever ratio of 5.3:1 allows effortless, safe, clamping onto pre-tensioned wire ropes

Measurement of tensions up to 11,000lbf or 5000 kgf and up to 1" or 25mm diameter

---

The Straightpoint COLT is a lightweight wire rope tension meter, for fast and accurate measurement of tensions up to 11,000lb or 5000 kg and up to 1" or 25mm diameter.

Manufactured using an integral, high accuracy, Bluetooth module, the COLT transmits load data wirelessly to any smart device running our free Android or iOS app.

Constructed from aerospace grade aluminium, the COLT digital tensiometer is lightweight and easy to handle. Its main operational application is to be attached to wires/cables that are already under tension. Once in place, it allows the operator to quickly check tension on cables or wire ropes set at any angle.

A built-in magnetic smart device holder allows the COLT to be used as a traditional tension meter with on board display, or the smartphone can be handheld or mounted elsewhere.

Supplied in a purpose made carry case, the COLT is portable and utilises standard alkaline batteries, making it perfect to carry out on-site cable tension testing anywhere in the world.

An optional calibration verification tool (CVT) allows the operator to self-check and verify calibration accuracy, in the field, if required.

Features and benefits:

- Unlimited wire rope calibration database via Android or iOS app
- Main swivel joints fitted with high-quality bearings
- Lever ratio of 5.3:1 allows effortless, safe, clamping onto pre-tensioned wire ropes
- Wireless Bluetooth 4.2 enabling operator to stand a safe distance away, up to 328 feet or 100 metres
- Quick intuitive adjustable centre sheave makes changing wire rope sizes fast and easy
- No easily broken external antennae
- High waterproof resistant design IP67 or NEMA6 for all weather use
- Massive battery life of 1000 hrs operational time
- As the library of wire rope diameters and constructions is increased each app user will benefit when they update free of charge
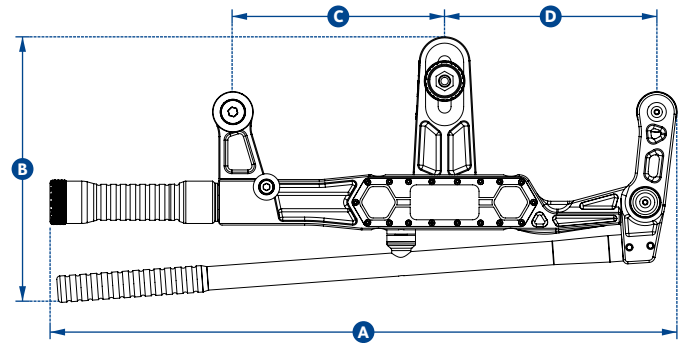
Tower Mode:
- Records GPS coordinates
- Logs the local temperature and windspeed from local NOAA
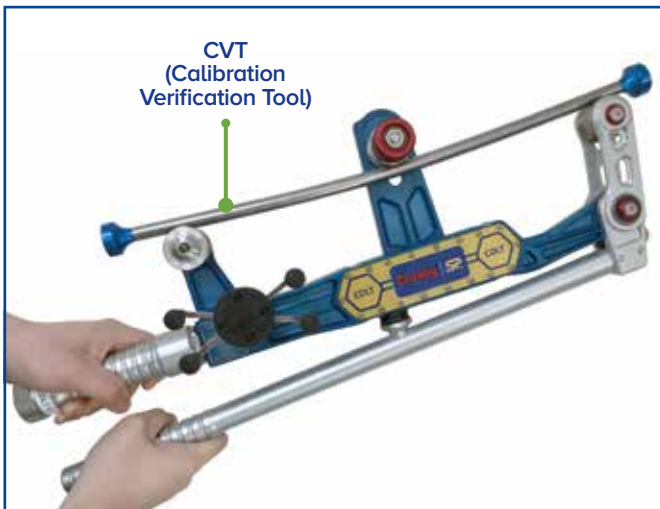- Ability to also allow elevation of wire rope to be inputted into log

---

Crosby | SP

#knowtheload

Applications:

- Guy wire maintenance on cell towers, bridges, flare stacks, antennas and masts
- Guy wire Tower Plumb and Tension
- EHS guy wire, Turnbuckle tensioner
- Wire rope installations, comparing, equalising and measuring
- Architectural wire rope installations
- Median cable barrier tensioning
- Utility cable overhead line monitoring
- Elevator hoist, governor and compensating wire rope maintenance
- Zip lines and assault course testing
- Fall arrest systems
- Metro, tram and rail transit electric wires, and catenary testing
- Ski lifts
- Wire rope tie downs on vessels (using Tirfor)
- Testing tension of ship mast wire ropes.
- Tensioned trellis systems
- Measuring Line Sag

CVT
(Calibration Verification Tool)

Optional for purchase:
CVT (Calibration Verification Tool)

In order to ensure that the measurements of the COLT are as accurate as possible, SP supply a calibration verification rod, specifically designed for this purpose.

Part Numbers	
SP	**COLT5T**
Crosby	**2789000**
Max Load	5000kg
	11000lbs
Resolution	10kg
	20lb
Units	kg, lbs, tonne and kN
Min Wire Rope Ø	Ø5mm
	Ø3/16"
Max Wire Rope Ø	Ø25mm
	Ø1"
Max Line Reduction	5mm with a Ø10mm wire rope
	7/32" with a Ø3/8" wire rope
Wire Rope Database	Infinite via Android 4.4 or iOS 8.0 app
Weight	3.5kg
	7.7lbs
Battery Type	2 x 'C' cell batteries
Battery Life	1000 hours Bluetooth transmission time
Operating Temp.	-25°C to +70°C
	-13°F to +158°F
Protection	IP67
	NEMA6
Accuracy	± 3% of full scale if wire rope Ø and construction known
Communication	Bluetooth 4.2
Dimension A	589mm
	23.2"
Dimension B	254mm
	10"
Dimension C	200mm
	7.9"
Dimension D	200mm
	7.9"

Specifications assume COLT used on a wire rope with a fixed and flexible end

CableSafe

Fully constructed from light and durable brushed Anodised Aluminium

Five-wheel design, improving accuracy (clear anodised)

Linchpins are fitted to the top sheave pins, making wire rope installation quick and simple

Easy to install and replace batteries (AA Standard Alkaline)

Environmental protection IP67 or NEMA6

Non-corrosive mounting feet

Compatible with a wide range of synthetic ropes and electrical cables with circumferences of 4-19mm. Rapid tension force measurement up to 50m per minute

In addition to the TIMH range, the CableSafe is the continued evolution of Straightpoint's running line tensiometers. When used in the field, it will allow the user to monitor tension with exceedingly high levels of accuracy, which ensures rope/cables do not become overstretched or break.

When using a capstan winch to unwind electrical cable from a reel/spool, you will be able to integrate the CableSafe within this set-up to ensure that it is being pulled at a safe tension level. This helps the line maintain its transmissions capability, prevent it becoming a fire hazard risk, and it also stops the need of furthering work in order to remove and replace it. The contractor is gifted with decreased liability, dramatically increasing peace of mind. Using CableSafe on cable pulls reduces liabilities on cable installations, making it ideal for the following applications:

- Measure tension when pulling electrical cables – protect against fractures or elongation
- Measuring tension on synthetic rope when erecting delicate structures using gin poles and capstan winch

Another example of best use is during the installation of cell phone towers or similar delicate structures. The product helps ensure structure-to-ground ropes which are connected to a gin pole and pully system. Do not exceed maximum tension whilst lifting sections of the tower to the top because there can be the possibility of the rope becoming snagged, causing greater tension to be loaded upon the system. With heavy materials being lifted to great heights; this would create a major safety hazard leading to a catastrophic failure, endangering lives. Avoid the unknown through accurate monitoring, especially when risks are high.

What distinguishes it, apart from previous versions of this type, is the developed lightweight design, allowing easy transportation and usage. Providing up to 500 hours battery life, you can be assured there will not be any loss of power before your work day has ended. High level IP67 or NEMA6 ingress protection allows it to be used in a variety of heavy weather conditions and dusty environments. These features, as a collective, means that it will be an invaluable and reliable tool in your work-related armoury.

The five-wheel design and gravity catches, with top sheave pins, allows for fast and simple rope attachment set-up. The accuracy is further improved over three-wheel alternatives.

When used with a cable/rope pulling device, you can remotely monitor the tension on the line using your smart handheld device via a Bluetooth connection*. With the operator locating themselves up to 100m or 328ft away from the Cable Safe, it will allow them to survey job progress at a safe distance.

The 'HHP' app is available to download for free (Android/iOS) and is compatible with all SP wireless products.

Applications:

- Fibre-optic cable pulling using turret winches
- Water gates for dams
- Offshore rescue and retrieval
- Capstan rope/cable winding
- Broadcast and telecommunications
- Erecting towers (maintaining structural capacity)
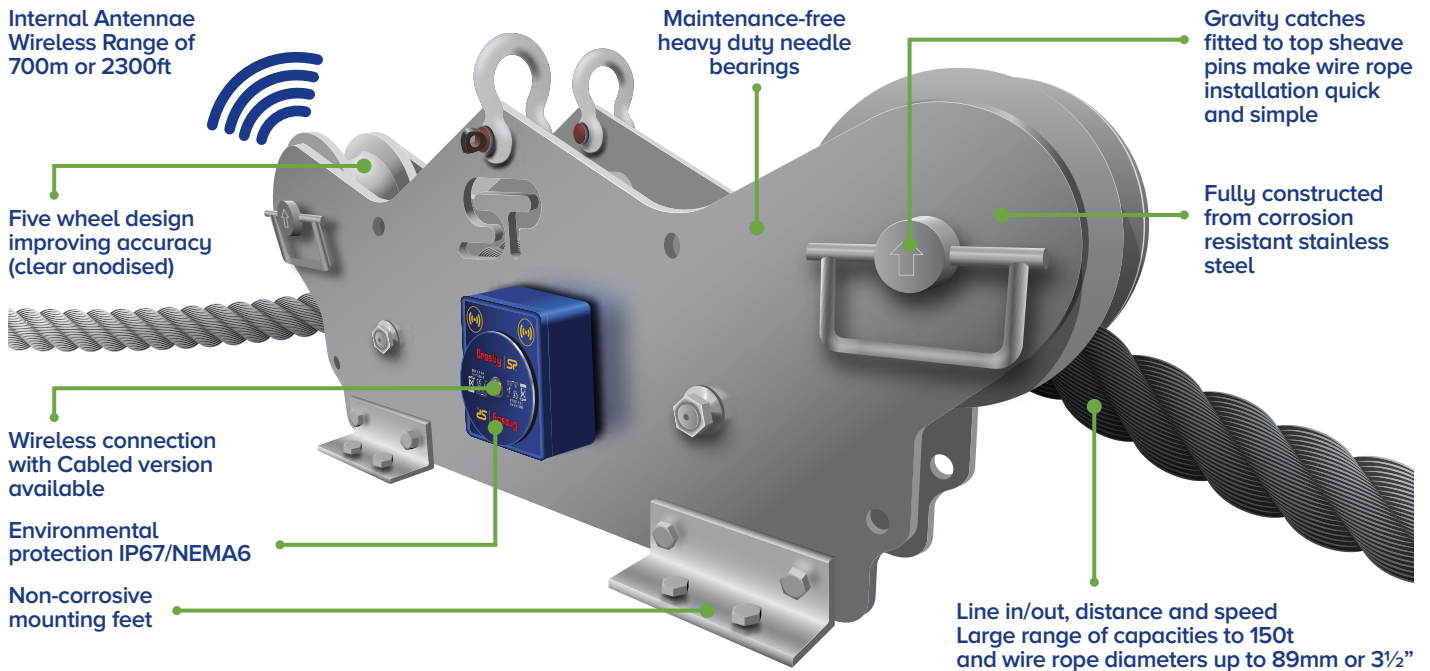- Service and maintenance of cell towers

#knowtheload

Features and benefits:

- Simple to use and set up
- Remote monitoring using smart phone via Bluetooth
- Rapid tension force measurement - Up to 50m or 164ft per minute
- Able to be used in all weather and air quality conditions
- Easy to install and replace batteries (4 x AA standard Alkaline)
- Fully constructed from light and durable hard Anodised Aluminium
- Five wheel design improving accuracy (clear anodised)
- Linchpins are fitted to the top sheave pins making wire rope installation quick and simple
- Maintenance free heavy duty needle bearings
- Compatible with a wide range of rope circumferences – 4-19mm or 0.16"- 0.75"
- Design validated by F.E.A.
- IP67 ingress protection or NEMA6 – heavy protection against dust and rain
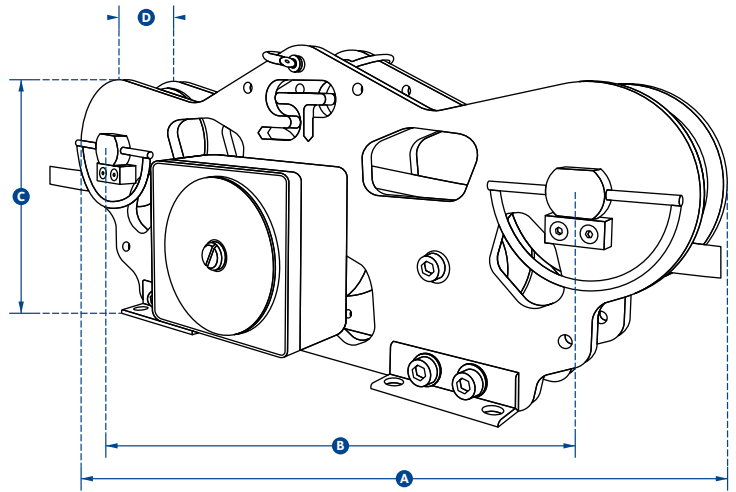
Part Numbers	
SP	**CS10T**
Crosby	**2789219**
Capacity	10te
	22, 000lb
Resolution	0.01te
	20lb
Rope Ø	4-19mm
	5/32" - 3/4"
Weight	4.5kg
	10lb
Battery Type	4 x AA Alkaline
Battery Life	500hrs
Operating Temp	-10°C to +50°C or 14°F to 122°F
Accuracy	±2% of full scale
Range	Bluetooth 100m or 328ft
Protection	IP67/NEMA6
Maximum Speed	50m per minute / 164ft per minute
Dimension A	422mm
	16.60"
Dimension B	330mm
	13"
Dimension C	152mm
	6"
Dimension D	36mm
	1.4"

Running Line Dynamometer

Internal Antennae Wireless Range of 700m or 2300ft

Maintenance-free heavy duty needle bearings

Gravity catches fitted to top sheave pins make wire rope installation quick and simple

Five wheel design improving accuracy (clear anodised)

Fully constructed from corrosion resistant stainless steel

Wireless connection with Cabled version available

Environmental protection IP67/NEMA6

Non-corrosive mounting feet

Line in/out, distance and speed Large range of capacities to 150t and wire rope diameters up to 89mm or 3½"

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. The TIMH can measure tension force at speeds up to 20m/min or 65ft/min.

It 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, however, 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 or 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 150t and wire rope diameters up to 89mm or 3½"
- Options for line out available
- Software available to data log and monitor or analogue outputs
- Design validated by F.E.A.

- Bluetooth option is available and is supplied with a free HHP App for iOS and Android See page 27

#knowtheload

Also available with hazardous area approval. Zones 0, 1 & 2

ATEX / IECEx
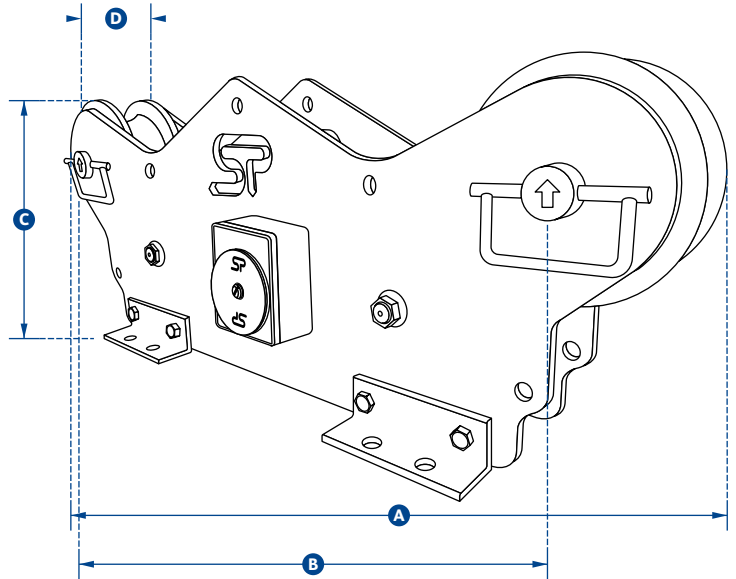
Ex ia II C T4 Ga

Certification numbers:
TIMH ATEX
IECEx SIR 16.0041X / Sira 16ATEX2108X
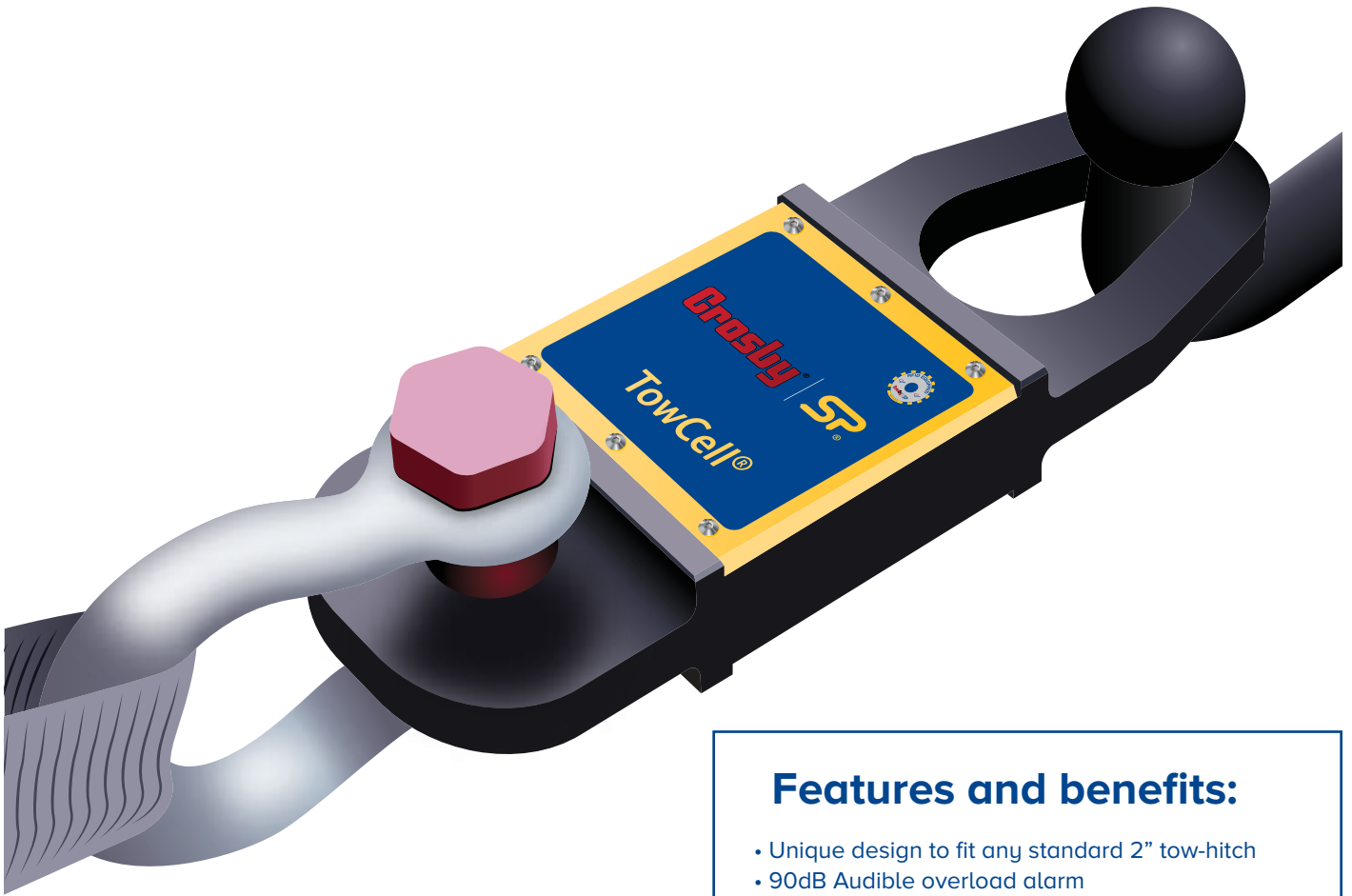**SW-HHP ATEX**
IECEx SIR 15.0072X / Sira 15ATEX2196X

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

Part Numbers SP	MTIMH10T	TIMH10T	TIMH25T	TIMH56T	TIMH80T	TIMH150T
Crosby	2789053	2789133	2789137	2789141	2789148	2789145
Capacity	10te	10te	25te	56te	80te	150te
	22000lb	22000lb	55000lb	123200lb	176000lb	330000lb
Resolution	0.01te	0.01te	0.02te	0.05te	0.1te	0.2te
	20lb	20lb	50lb	100lb	200lb	500lb
Wire Rope Ø	4-19mm	13-19mm	16-26mm	28-38mm	40-52mm	52-89mm
	5/32" - 3/4"	1/2" - 3/4"	5/8" - 1"	1 1/8" - 1 1/2"	1 5/8" - 2"	2" - 3 1/2"
Weight	9kg	90kg	86kg	81kg	76kg	230kg
	20lb	198lb	190lb	179lb	168lb	506lb
Battery Type	4 x AA Alkaline					
Battery Life	1200hrs continuous (500hrs if Bluetooth)					
Operating Temp	-10°C to +50°C or 14°F to 122°F					
Accuracy	±2% of full scale					
Frequency	2.4 GHz					
System Range	700 metres or 2300 feet (100 metres or 328 feet if Bluetooth)					
Data Rate	3 updates per second					
Protection	IP67 or NEMA6					
Maximum Speed	20m per minute or 65ft per minute					
Dimension A	422mm	880mm				1250mm
	16.62"	34.65"				49.21"
Dimension B	330mm	700mm				1050mm
	13"	27.55"				41.33"
Dimension C	152mm	330mm				416mm
	5.98"	12.99"				16.37"
Dimension D	36mm	110mm				153mm
	1.4"	4.33"				6.02"

Towcell®

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. It features an advanced internal design structure, providing the product with an unrivalled strength to weight ratio. This optimal balance allows for the use of a separate internally sealed enclosure. This administers the internal electronic components with an IP67 or NEMA6 waterproof 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.

Features and benefits:

- Unique design to fit any standard 2" tow-hitch
- 90dB Audible overload alarm
- Unmatched battery life of 1200hrs
- Waterproof IP67 or NEMA6
- Internal antennae
- Compact size and lightweight
- Proprietary 2.4 GHz wireless communication
- Design validated by F.E.A.

- Bluetooth option is available and is supplied with a free HHP App for iOS and Android
See page 27

#knowtheload

Part Numbers SP	Towcell - Bluetooth version		
Crosby	**2789271**		
Capacity	25kN		
Resolution	0.01kN		
Weight	1.4kg		
	3lb		
Safety Factor	5:1		
Battery Type	4 x AA Alkaline		
Battery Life	500 hours continuous		
Operating Temp	-10°C to +50°C or 14°F to 122°F		
Accuracy	±0.1% of full scale		
Frequency	2.4 GHz		
System Range	100 metres or 328 feet		
Data Rate	50Hz		
Protection	IP67 or NEMA6		
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"		

Distance X

Distance Y

Distance Y

Distance X
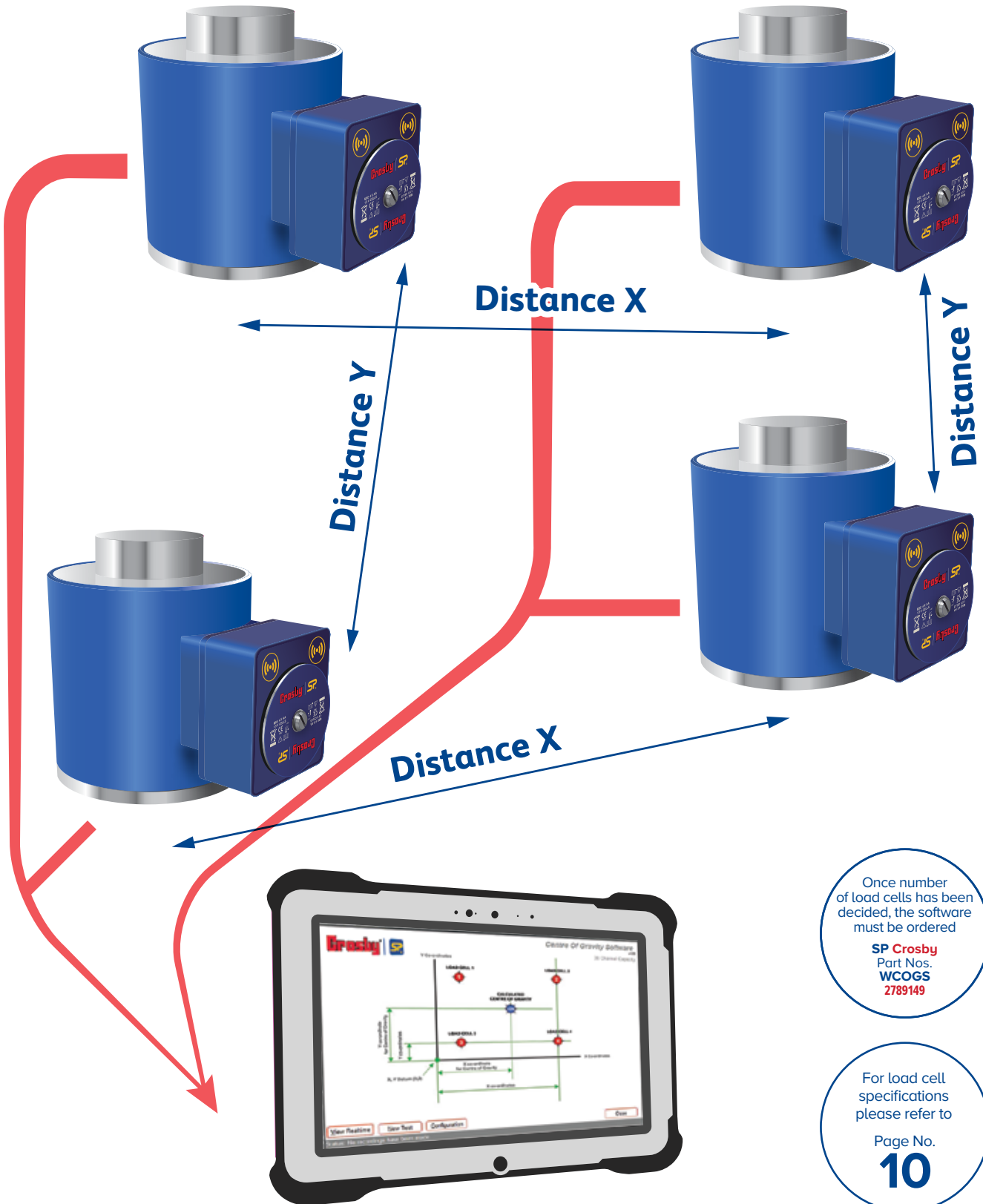
Once number
of load cells has been
decided, the software
must be ordered

SP Crosby
Part Nos.
WCOGS
2789149

For load cell
specifications
please refer to

Page No.

10

Wireless Centre of Gravity System designed specifically for 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 as well as a 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.
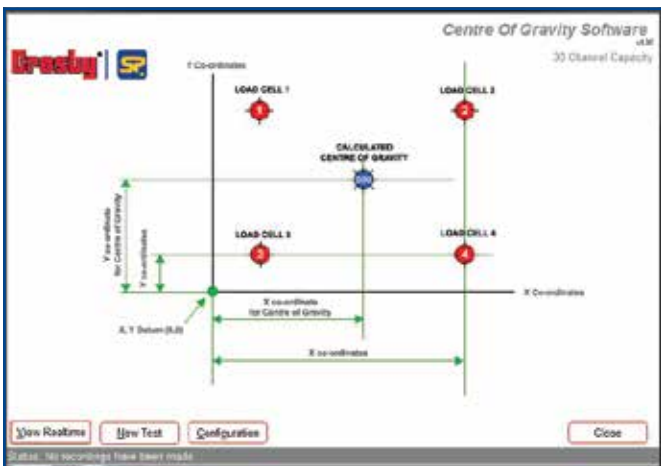
Home Screen

Report Example

Part Numbers SP	WCOGS
Crosby	2789149
IP rating	IP67
(SW-USBBSE)	NEMA6
Operating Temp	-20°C to 55°C
	-4°F to 131°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

#knowtheload

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, especially 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 so much, Straightpoint offer a software package designed to connect to any of their wireless load cells - Proof Test plus. This impressive package allows the test engineer to wirelessly, at a safe distance, monitor a proof load test and automatically create a pass or fail certificate when testing is complete. This report is formatted as a PDF, which 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 or 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 Numbers	
SP	**SW-PTP**
Crosby	**2789130**
IP rating	IP67
(SW-USBBSE)	NEMA6
Operating Temp	-20°C to 55°C
	-4°F to 131°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

SW-MWLC
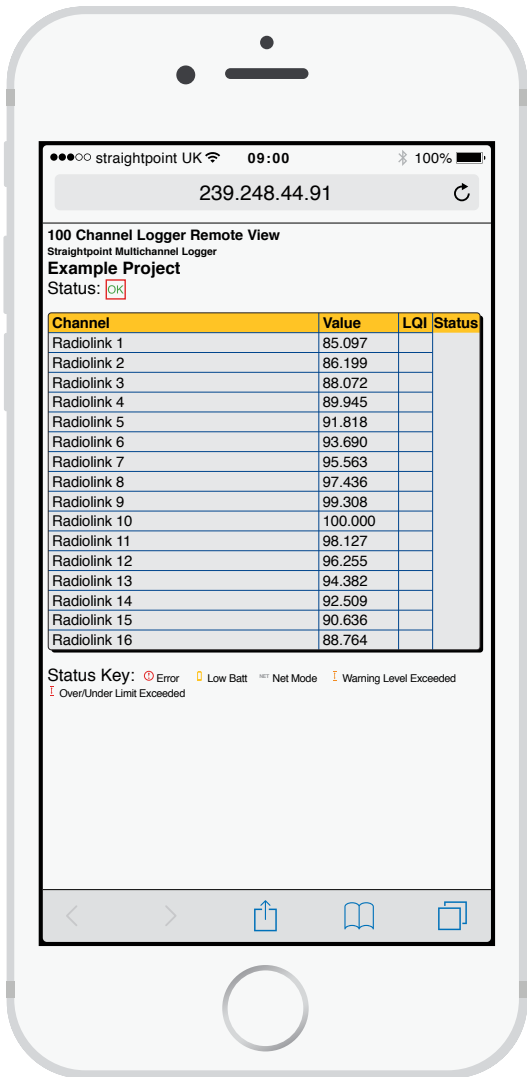
Datalog .CSV file sample

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

Load trend chart
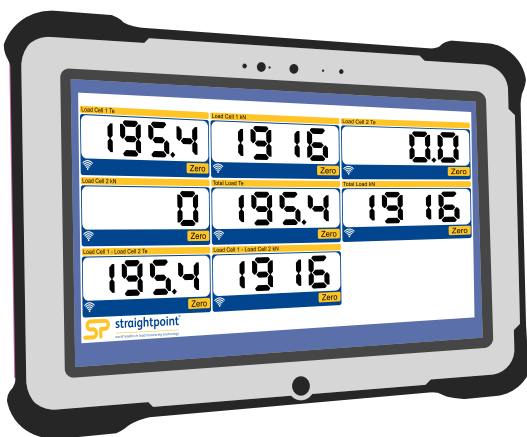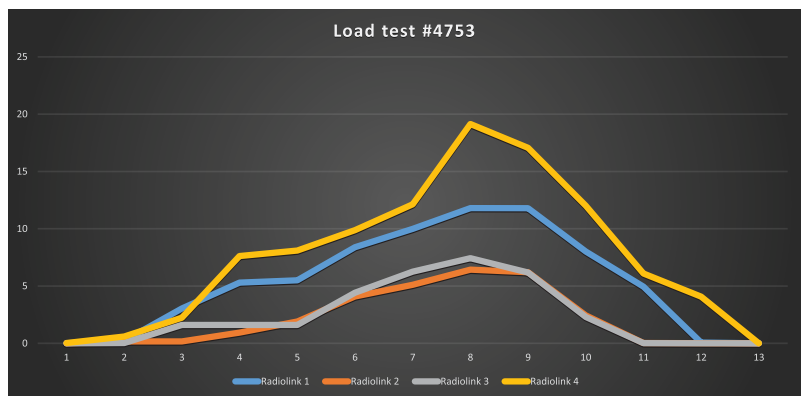
Load visualisation screen

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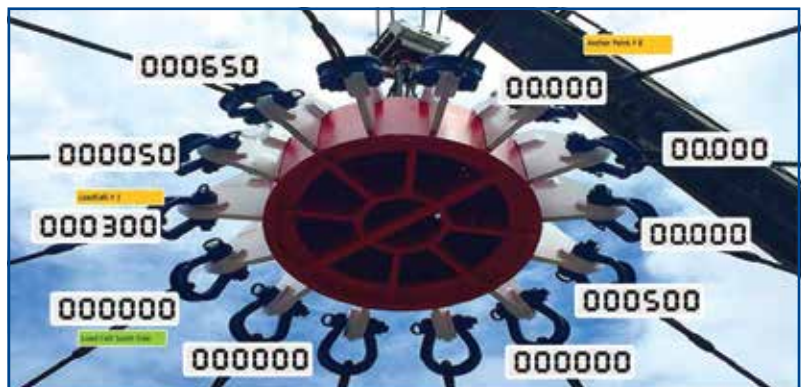
Straightpoint's Multiple Wireless Load Cell Controller (SW-MWLC) software package is a versatile, user friendly, wireless load cell control, display and data logging tool, designed for use on the Windows PC platforms, Vista, Win 7, 8 & 10.

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 set up 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 Numbers	
SP	SW-MWLC
Crosby	2789128
IP rating	IP67
(SW-USBBSE)	NEMA6
Operating Temp	-20°C to 55°C
	-4°F to 131°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

Wireless Accessories

Straightpoint's range of wireless accessories may be used with any Straightpoint wireless load cells

Wireless overload alarm module
Part N°s SP SW-OAM Crosby 2789129

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.

Wireless scoreboard display
Part N°s SP SW-SD Crosby 2789132

This 100mm or 4" scoreboard LED display is wireless and operates between 110-240 VAC. The numerals are viewable for up to 45m or 150 ft, making it perfect for installation on a crane gantry. It displays an individual load or summed load for up to eight Straightpoint wireless devices.

Load cell transmitter
Part N°s **SP SA700C Crosby 2789097**

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.
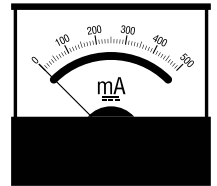
Wireless base station with analogue output
Part N°s SP SW-AO1i Crosby 2789125

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.
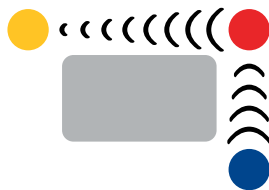
Wireless signal booster
Part N°s SP SW-SB Crosby 2789131

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

Connecting to up to eight smart devices, the HHP App allows you to stand back and remotely monitor the level of force being measured by your SP product in real-time, without the need for troublesome cabling. Once the app has been downloaded and installed on to a smart phone or tablet, the Bluetooth feature can be used to connect wirelessly to any Bluetooth-enabled wireless SP device. This will provide the operator with ease of surveying a situation from a distance of up to 100m or 328ft, giving them a wider perspective of the immediate area. If working within a high-risk environment, the remote monitoring ability will also provide that extra safety assurance.

Once connected to the SP device, the simple and easy-to-use interface will allow the operator to use the app with the upmost efficiency. There are up to four different measurement units to choose from, depending on preferences within a particular project. If the peak load needs monitoring, there is a 'Peak Hold' button which can selected on your device, to display the highest measurement only, via the SP HHP app. Accompanying this is an option to set an audible alarm when a new high or low measurement value is detected, so the operator knows exactly when this has occurred.

The app also has a record and log feature, where a particular measurement needs to be recorded for later referral. Once logged to the app it will then allow the operator the convenience of exporting the details of the logged measurement(s) either to a mobile device or send it to a particular email address, in a spreadsheet format.

Features and benefits:

- Up to 100m or 328ft remote monitoring distance
- Multiple weight unit measurement options
  (kN, te, kg & lbs)
- Peak Hold button
- Measurement reporting
- Export measurement report
- Zero and Gross monitoring options
- Audible alarm alert for high/low values
- User defined resolution set-up

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 or 2300ft

PLUG LOADCELL INTO 6 WAY SOCKET

Press 3 seconds for on-off. Auto-off in 20 mins.

Peak hold on-off

Press to toggle units of measure

Press to tare, unit will flash. Hold to reset.

Wall or Cab Mount Bracket
available for handheld
SP Crosby Part Nos.
SU3282
2789228

Wireless Hand Held Plus

Press 3 seconds for on-off. Auto-off in 20 mins.

Peak hold on-off

Press to toggle units of measure

Press to tare, units will flash. Hold to reset.

SW-HHP Handheld plus

Ex II 1 G
Ex ia IIC T4 Ga

WARNING

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. Should this occur, the load cell in question can be removed from service immediately, following the calibration-voiding overload event. It can then be sent out for proper testing and, if necessary, a recalibration can be done before it re-enters service.

The HHP is suitable for connection via cable to any Straightpoint cabled load cell product. It can easily be 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, with a range of up to 700m or 2300ft and is supplied as standard with the Radiolink plus load cell.

Also available with hazardous area approval

Ex IECEx

ATEX / IECEx
Ex ia II C T4 Ga

Certification number:

SW-HHP ATEX
IECEx SIR 15.0072X / Sira 15ATEX2196X

When ordering ATEX/IECEx version of SW-HHP, order using code: SW-HHP-ATEX

Please note: There is no audible alarm with ATEX

Part Numbers		
SP	SW-HHP	HHP
Crosby	2789126	2789030
Battery Type	2 x AA	1 x PP3 9v alkaline
Battery Life	60hrs continuous	80hrs continuous
Display Type	6 digit 25mm LCD or 6 digit 1" LCD	
Operating Temp	-10°C to +50°C or 14°F to 122°F	
Display Rate	3Hz	
Protection	IP65 or NEMA4X	
Excitation	N/A	5v
Max Sensitivity	N/A	3mv/v
Max Resolution	1:999999 (normal mode)	
Connectivity	Wireless 2.4GHz	6-way female binder 723 socket

Crosby | **SP**

in f t g+ #knowtheload
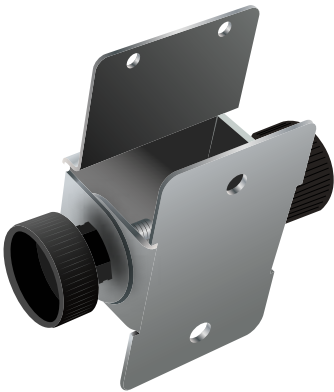
Wall or Cab Mount Bracket
Part N°s SP SU3282 Crosby 2789228

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 to work safely, hands free.
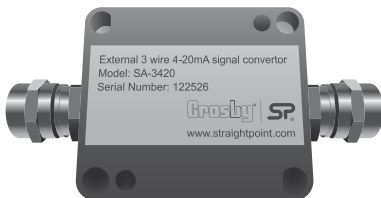
External Amplifier
Part Numbers SP SA-3420 Crosby 2789096

The SA-3420 external amplifier allows the operator to convert the output of any of the SP 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.

Windows-based Software Package
Part Numbers SP DCP10M Crosby 2789029

Windows-based software, DCP10M, plugs into the spare port on a 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.

Handheld Rubber Boot
Part Numbers SP SU4045 Crosby 2789232

Drop tested to one metre at −30°C, this 70SHA rubber boot is purpose moulded to fit and protect the HHP and SW-HHP handheld display against impact, especially when it is used in the harshest industrial environments.

Loadlink plus

High resolution 5000 divisions as standard

Hardened bushes to accept industry standard shackles

90db audible set point alarm

Large 25mm or 1" LCD display

Max: 25t x 0.005t

0.000

Selectable units: t, lbs, kg or kN

Peak Hold – 100Hz peak force analysis

Push button tare

Preset tare

High quality hard anodised aerospace aluminium

Angular ends reduce weight and snagging when rigged

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 it is now used on a daily basis for load monitoring and heavy lifts. These can range in capacity from 1t to 300t, and are used by a variety of industrial and commercial industries including manufacturing, transportation, agriculture, oil and gas, utilities, aerospace and clean energy.
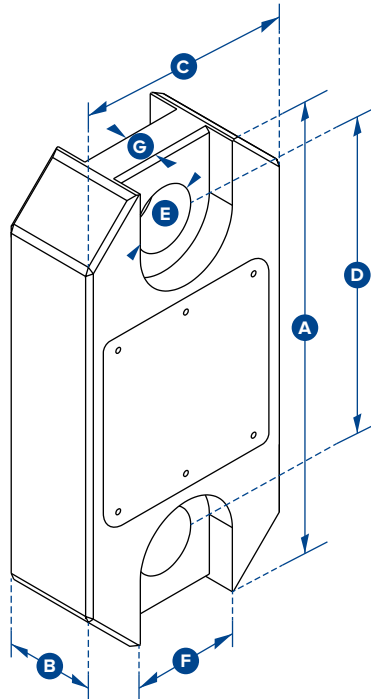
This latest version of the well-known product has advanced features and benefits, providing solutions for today's complicated load test and force monitoring needs. The Loadlink plus features full function push button controls for tare, choice of units (lbs, kg, kN and tonnes), peak hold, preset tare, audible set-point alarm and an overload counter.

The advanced microprocessor-based electronics provide the Loadlink plus with high speed read rates, 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 their closest competitor with the same safety rating.

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

Features and benefits:

- Large 25mm or 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.
- 2-year warranty
- DNV-GL Type Approval
- Complies with ASME B30.26

Crosby® | SP

in f 🐦 g+ *#knowtheload*

Part Numbers SP	LLP1T	LLP2T5	LLP6T5	LLP12T	LLP25T	LLP35T	LLP55T	LLP75T	LLP100T	LLP150T	LLP200T	LLP250T	LLP300T
Crosby	2789042	2789046	2789050	2789040	2789045	2789048	2789049	2789051	2789039	2789041	2789043	2789044	2789047
Capacity	1,000kg	2.5te	6.5te	12te	25te	35te	55te	75te	100te	150te	200te	250te	300te
	2200lb	5500lb	14300lb	26000lb	55000lb	77000lb	120000lb	165000lb	220000lb	330000lb	440000lb	550000lb	660000lb
Resolution	0.5kg	0.001te	0.001te	0.002te	0.005te	0.005te	0.01te	0.01te	0.05te	0.05te	0.1te	0.1te	0.1te
	1lb	2lb	2lb	5lb	10lb	10lb	20lb	20lb	100lb	100lb	200lb	200lb	200lb
Units	kg	te	te	te	te	te	te	te	te	te	te	te	te
	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb
Weight	1.5kg	1.5kg	2.4kg	3.7kg	5kg	8.6kg	13kg	16kg	34kg	46kg	82kg	82kg	118kg
	3.3lb	3.3lb	5.3lb	8.2lb	11lb	19lb	28.7lb	35.3lb	75lb	101.4lb	180.8lb	180.8lb	260lb
Safety Factor	12:1	7:1	7:1	7:1	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 or 1" LCD												
Operating Temp	-10°C to +50°C or 14°F to 122°F												
Accuracy	±0.1% of full scale												
Protection	IP65 or NEMA4X												
Dimension A	204	204	249	305	340	393	424	470	608	670	700	700	806
	8.03"	8.03"	9.80"	12.01"	13.39"	15.47"	16.69"	18.50"	23.94"	26.38"	27.56"	27.56"	31.73"
Dimension B	43	43	43	47	60	75	75	75	99	99	144	144	150
	1.69"	1.69"	1.69"	1.85"	2.36"	2.95"	2.95"	2.95"	3.90"	3.90"	5.67"	5.67"	5.91"
Dimension C	104	104	113	113	115	126	180	202	255	303	350	350	426
	4.09"	4.09"	4.45"	4.45"	4.53"	4.96"	7.09"	7.95"	10.04"	11.93"	13.78"	13.78"	16.77"
Dimension D	146	146	165	193	215	225	230	260	320	360	350	350	350
	5.75"	5.75"	6.50"	7.60"	8.46"	8.86"	9.06"	10.24"	12.60"	14.17"	13.78"	13.78"	13.78"
Dimension ØE	24.5	24.5	38	47.5	55	60	76	76	109	109	145	145	160
	0.96"	0.96"	1.50"	1.87"	2.17"	2.36"	2.99"	2.99"	4.29"	4.29"	5.71"	5.71"	6.30"
Dimension F	48	48	66	Not relevant in this capacity									
	1.89"	1.89"	2.60"										
Dimension G	19	19	32										
	0.75"	0.75"	1.26"										
Crosby Shackle	G2130						G2140						
Loading Pin Ø	19	19	25	35	51	57	57	70	83	95	121	127	152
	3/4"	3/4"	1"	1 3/8"	2"	2 1/4"	2 1/4"	2 3/4"	3 1/4"	3 3/4"	4 3/4"	5"	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, 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. They are 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
- 2-year warranty
- DNV-GL Type Approval
- Complies with ASME B30.26

#knowtheload
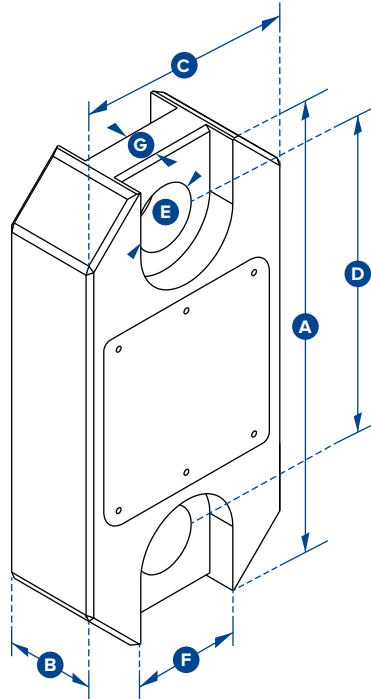
Part Numbers SP	WLP1T	WLP2T5	WLP6T5	WLP12T	WLP25T	WLP35T	WLP55T	WLP75T	WLP100T	WLP150T	WLP200T	WLP250T	WLP300T
Crosby	2789154	2789158	2789273	2789152	2789157	2789160	2789269	2789161	2789151	2789153	2789155	2789156	2789159
Capacity	1,000kg	2.5te	6.5te	12te	25te	35te	55te	75te	100te	150te	200te	250te	300te
	2200lb	5500lb	14300lb	26000lb	55000lb	77000lb	120000lb	165000lb	220000lb	330000lb	440000lb	550000lb	660000lb
Resolution	0.5kg	0.001te	0.001te	0.002te	0.005te	0.005te	0.01te	0.01te	0.05te	0.05te	0.1te	0.1te	0.1te
	1lb	2lb	2lb	5lb	10lb	10lb	20lb	20lb	100lb	100lb	200lb	200lb	200lb
Units	kg	te	te	te	te	te	te	te	te	te	te	te	te
	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb
Weight	1.5kg	1.5kg	2.4kg	3.7kg	5kg	8.6kg	13kg	16kg	34kg	46kg	82kg	82kg	118kg
	3.3lb	3.3lb	5.3lb	8.2lb	11lb	19lb	28.7lb	35.3lb	75lb	101.4lb	180.8lb	180.8lb	260lb
Safety Factor	12:1	7:1	7:1	7:1	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 or 14°F to 122°F												
Accuracy	±0.1% of full scale												
Protection	IP67 or NEMA6												
Dimension A	204	204	249	305	340	393	424	470	608	670	700	700	806
	8.03"	8.03"	9.80"	12.01"	13.39"	15.47"	16.69"	18.50"	23.94"	26.38"	27.56"	27.56"	31.73"
Dimension B	43	43	43	47	60	75	75	75	99	99	144	144	150
	1.69"	1.69"	1.69"	1.85"	2.36"	2.95"	2.95"	2.95"	3.90"	3.90"	5.67"	5.67"	5.91"
Dimension C	104	104	113	113	115	126	180	202	255	303	350	350	426
	4.09"	4.09"	4.45"	4.45"	4.53"	4.96"	7.09"	7.95"	10.04"	11.93"	13.78"	13.78"	16.77"
Dimension D	146	146	165	193	215	225	230	260	320	360	350	350	350
	5.75"	5.75"	6.50"	7.60"	8.46"	8.86"	9.06"	10.24"	12.60"	14.17"	13.78"	13.78"	13.78"
Dimension ØE	24.5	24.5	38	47.5	55	60	76	76	109	109	145	145	160
	0.96"	0.96"	1.50"	1.87"	2.17"	2.36"	2.99"	2.99"	4.29"	4.29"	5.71"	5.71"	6.30"
Dimension F	48	48	66	Not relevant in this capacity									
	1.89"	1.89"	2.60"										
Dimension G	19	19	32										
	0.75"	0.75"	1.26"										
Crosby Shackle	G2130						G2140						
Loading Pin Ø	19	19	25	35	51	57	57	70	83	95	121	127	152
	3/4"	3/4"	1"	1 3/8"	2"	2 1/4"	2 1/4"	2 3/4"	3 1/4"	3 3/4"	4 3/4"	5"	6"

Options					
Part N° SP Crosby	ICA1 2789220	ICA2 2789221	ICA3 2789222	ICA4 2789223	ICA5 2789224
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 or 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.

Straightpoint's Loadshackle is available from stock in capacities of 3.25t to 400t, as well as being obtainable up to 3000t. Manufactured from Crosby's industry-leading 2130 Carbon and 2140 Alloy Bolt Type Anchor Shackle, the product 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, the 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. Their cabled Loadshackles are also environmentally sealed to IP67 or NEMA6 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. They are 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.

#knowtheload
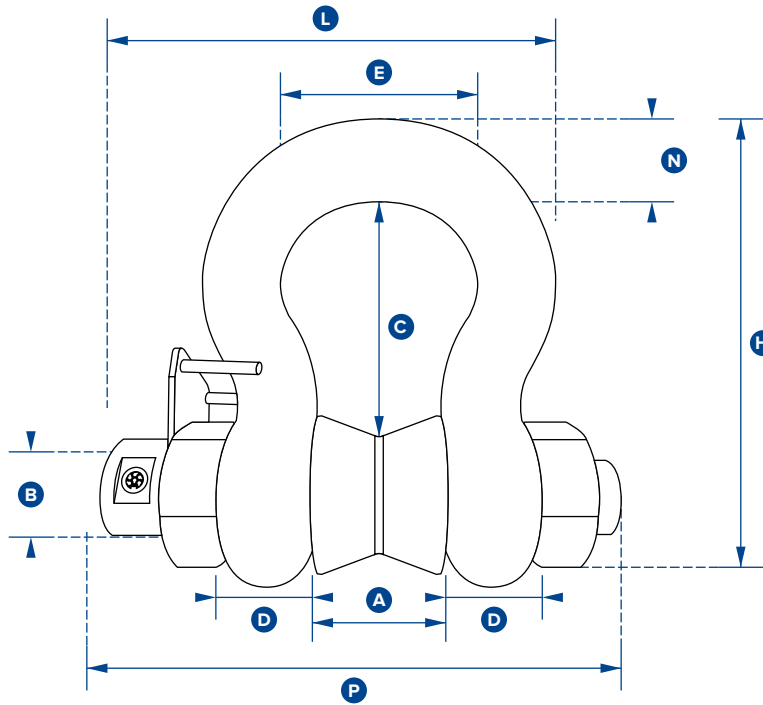
Part Numbers SP	SLB3.25T	SLB6.5T	SLB12T	SLB25T	SLB55T	SLB85T	SLB120T	SLB200T	SLB300T	SLB400T
Crosby	2789106	2789111	2789103	2789105	2789110	2789112	2789102	2789104	2789107	2789108
Capacity	3.25te	6.5te	12te	25te	55te	85te	120te	200te	300te	400te
	7150lb	14300lb	26400lb	55000lb	120000lbs	185000lbs	260000lbs	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	230kg	398kg	556kg
	6.16lb	7lb	17.6lb	40lb	55lb	99lb	187lb	507lb	877lb	1226lb
Safety Factor	5:1 when used with load bobbin									
Operating Temp	-10°C to +50°C or 14°F to 122°F									
Accuracy	±1% of full scale									
Protection	IP67 std [or sub sea as POA option] or NEMA6									
Dimension A	26.9	36.6	51.5	73	82.5	105	127	184	213	210
	1.06"	1.44"	2.03"	2.87"	3.25"	4.13"	5.00"	7.24"	8.39"	8.27"
Dimension ØB	19.1	25.4	35.1	51	57	70	82.5	121	152	178
	0.75"	1.00"	1.38"	2.01"	2.24"	2.76"	3.25"	4.76"	5.98"	7.01"
Dimension C	56.9	79.7	113	170	189.5	253	319.5	366	451	542
	2.24"	3.14"	4.45"	6.69"	7.46"	9.96"	12.58"	14.41"	17.76"	21.34"
Dimension D	14.46	22.4	31.8	44.5	51	66.5	76	116	124	165
	0.57"	0.88"	1.25"	1.75"	2.01"	2.62"	2.99"	4.57"	4.88"	6.50"
Dimension E	42.9	58	82.5	127	164	184	200	279	330	330
	1.69"	2.28"	3.25"	5.00"	6.46"	7.24"	7.87"	10.98"	12.99"	12.99"
Dimension H	103.3	148	210	313	348	453	546	706	871	1022
	4.07"	5.83"	8.27"	12.32"	13.70"	17.83"	21.50"	27.80"	34.29"	40.24"
Dimension L	124.2	153.5	193.8	278	303	365	405	577	649	577
	4.89"	6.04"	7.63"	10.94"	11.93"	14.37"	15.94"	22.72"	25.55"	22.72"
Dimension N	17.5	24.6	35.1	57	61	79	92	127	154	184
	0.69"	0.97"	1.38"	2.24"	2.40"	3.11"	3.62"	5.00"	6.06"	7.24"
Dimension P	140	170	215	290	314	391	438	664	719	781
	5.51"	6.69"	8.46"	11.42"	12.36"	15.39"	17.24"	26.14"	28.31"	30.75"

Compression Load Cell
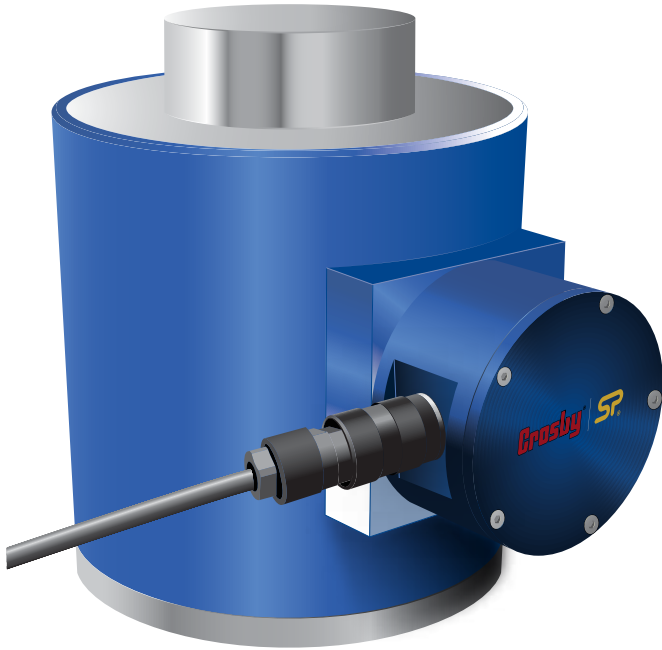
Features and benefits:

- Compact size
- Environmentally sealed to IP67 or 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 5te to 1000te - 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.

#knowtheload
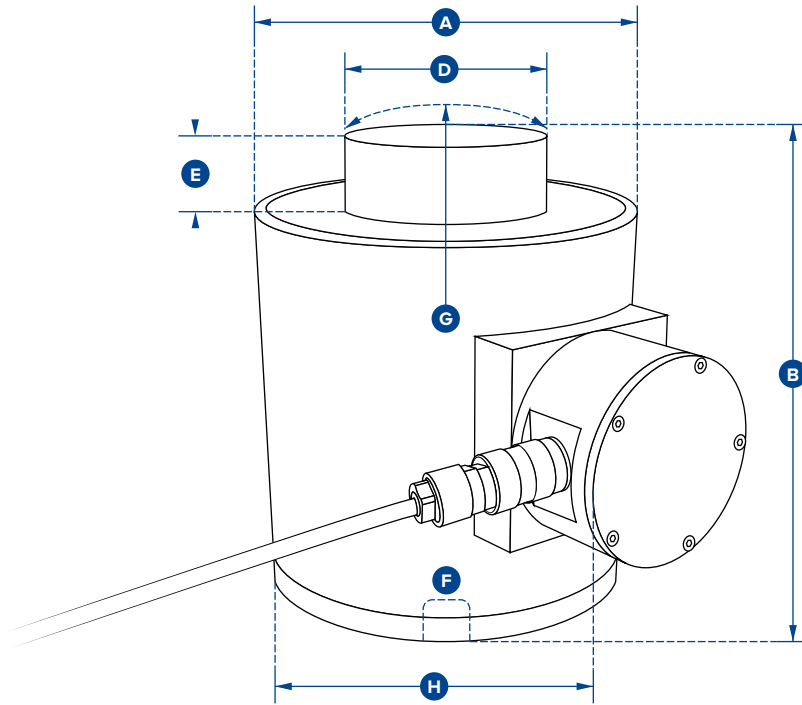
Part Numbers SP	NI5TC	NI10TC	NI25TC	NI50TC	NI100TC	NI150TC	NI300TC	NI500TC	NI1000TC
Crosby	2789068	2789062	2789065	2789067	2789061	2789063	2789064	2789066	2789275
Capacity	5te	10te	25te	50te	100te	150te	300te	500te	1000te
	11000lb	22000lb	55000lb	110000lb	220000lb	330000	660000lb	1100000lb	2200000lb
Resolution	0.001te	0.002te	0.005te	0.01te	0.05te	0.05te	0.1te	0.2te	0.5te
	2lb	5lb	10lb	20lb	100lb	100lb	200lb	500lb	1000lb
Units	tonne								
	lb								
Weight	6.2kg	6.2kg	6.2kg	6.2kg	15.5kg	15.5kg	65kg	65kg	172kg
	13.64lb	13.64lb	13.64lb	13.64lb	34lb	34lb	143lb	143lb	379lb
Safety Factor	3:1								
Operating Temp	-10°C to +50°C or 14°F to 122°F								
Accuracy	±0.1% of full scale								
Protection	IP67 or NEMA6								
Dimension ØA	100	100	100	100	152	152	185	185	362
	3.94"	3.94"	3.94"	3.94"	5.98"	5.98"	7.28"	7.28"	14.25"
Dimension B	127	127	127	127	184	184	300	300	310
	5.00"	5.00"	5.00"	5.00"	7.24"	7.24"	11.81"	11.81"	12.20"
Dimension ØD	59	59	59	59	80	80	155	155	270
	2.32"	2.32"	2.32"	2.32"	3.15"	3.15"	6.10"	6.10"	10.63"
Dimension E	16	16	16	16	26	26	27.5	27.5	40
	0.63"	0.63"	0.63"	0.51"	1.02"	1.02"	1.08"	1.08"	1.57"
Dimension F	M18 x 2.5	M18 x 2.5	M18 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M30 x 3.5
	M18 x 2.5	M18 x 2.5	M18 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M30 x 3.5
Dimension G	152	152	152	152	432	432	432	432	950
	5.98"	5.98"	5.98"	5.98"	17.01"	17.01"	17.01"	17.01"	37.40"
Dimension H	158	158	158	158	204	204	237	237	416
	6.22"	6.22"	6.22"	6.22"	8.03"	8.03"	8.03"	8.03"	16.38"

STC *Straightpoint Tension and Compression*

Features and benefits:

- Multiple weight capacity options: from 1t to 150t
- Polished Stainless Steel construction
- Ingress protection up to IP66 allowing for use in a variety of outdoor weather conditions (including high winds and heavy rain) *****
- Compatible to fit standard metric rod-end bearing sizes
- Flexible bespoke options - customisable sizes and features
- Multiple thread options – including imperial and male or male/female end threads
- Additional option to include mating spherical rod-end bearings

* IP67 and submersible versions also available for use in marine environments

Ideal for measuring both tensile and compressive forces, the SP STC Series load cell has been engineered to the highest standards needed for exceedingly precise test results. The polished stainless steel casing provides durability and toughness for repeated use under a variety of conditions. The IP66 certificated ingress protection takes this robustness further, by allowing the STC to be used outdoors in a variety of environmental conditions such as dust winds, monsoon, snow, etc. It also includes indoor conditions, such as carpenter workshops, refurbishments or water maintenance.

SP offer a large range of size options to cope with different levels of load forces to fit with specific measurement needs. Whatever the application, no matter how specific, Straightpoint can tailor the end threads to different sizes/combinations. End thread combinations are as shown:

Male to Male
Female to Female
Male to Female
Female to Male

Imperial thread sizes can also be supplied with the entire STC series.

SP will be more than happy to discuss specific requirements of a job/project and provide the upmost confidence to match specific requirements. SP can also provide an extensive range of associated products to help package a complete load monitoring/measuring system. This will, simultaneously, ensure the highest level of safety precaution whilst working.

For example: When paired with the SA700C Load Cell Transmitter, the operator will be able to wirelessly connect to the Handheld Plus (SW-HHP) digital handheld display and also to the SW-MWLC (Multiple Wireless Load cell Controller) software package for the ultimate in remote load monitoring set-ups.

#knowtheload
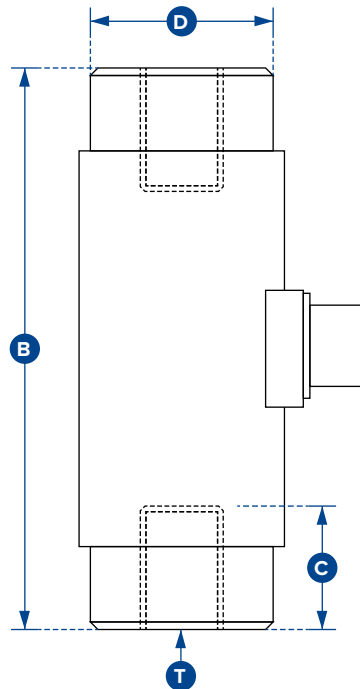
Part Numbers SP | Crosby	B	C	D	T	Weight (kgs)	Resolution (tonnes)
STC1T 2789116	76	16	Ø31	M12 x 1.25	0.4	0.001
STC2T 2789118	76	16	Ø31	M12 x 1.25	0.4	0.002
STC3T 2789120	84	22	Ø38	M20 x 1.5	0.7	0.005
STC5T 2789122	84	22	Ø38	M20 x 1.5	0.7	0.005
STC7.5T 2789123	108	29	Ø44	M24 x 2	1.3	0.01
STC10T 2789114	108	29	Ø44	M24 x 2	1.3	0.01
STC20T 2789117	203	50	Ø57	M36 x 3	3.3	0.02
STC30T 2789119	355	89	Ø114	M64 x 4	20	0.02
STC50T 2789121	355	89	Ø114	M64 x 4	20	0.05
STC75T 2789124	458	100	Ø130	M100 x 3	35.7	0.05
STC100T 2789113	458	100	Ø130	M100 x 3	35.7	0.1
STC150T 2789115	458	100	Ø156	M100 x 3	40.5	0.2

Rated load (tonnes)	1, 2, 3, 5, 7.5, 10, 20, 30, 50, 75, 100, 150
Proof load	150% of rated load
Ultimate breaking load	>300% of rated load
Output	1.5mV/V [±0.1%]
Accuracy	±0.1% full scale
Non-repeatability	<±0.1% of rated load
Excitation voltage	10vdc recommended, 15dvc maximum
Bridge resistance	1te: 350Ω, 20 to 50te: 700Ω, 75 to 150te: 1400Ω
Insulation resistance	>500MΩ @ 500vdc
Operating temperature range	-20°C to +70°C
Compensated temperature range	-10°C to +50°C
Zero temperature coefficient	<±0.01% of rated load/°C
Span temperature coefficient	<±0.01% of rated load/°C
Environmental protection level	IP66 [IP67 optional]
Connection type	Integrated bayonet lock connector, supplied with 5 metre mating cable assembly
Wiring connections	+supply: Red, -supply: Blue, +signal: Green, -signal: Yellow

Note: Default calibration of load cells rated up to 20 tonnes will be in tension. STCs rated 30 tonnes and above will be in compression.
If you require calibration in a different mode to the standard or in both tension and compression, please state at time of order (additional charges may apply).

Loadpin

direction of force

direction of force
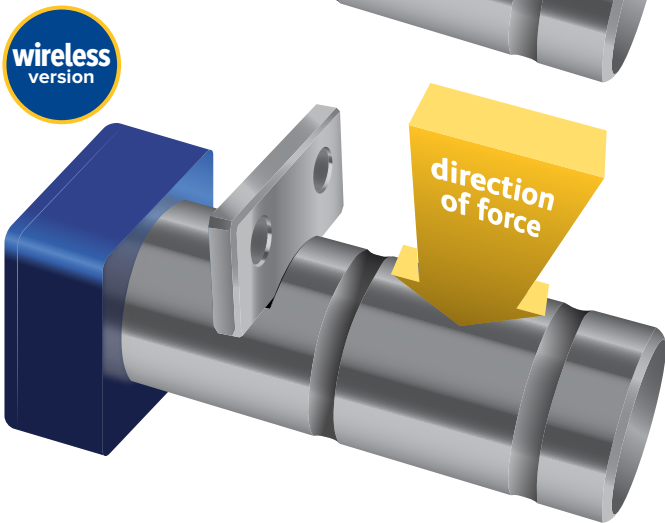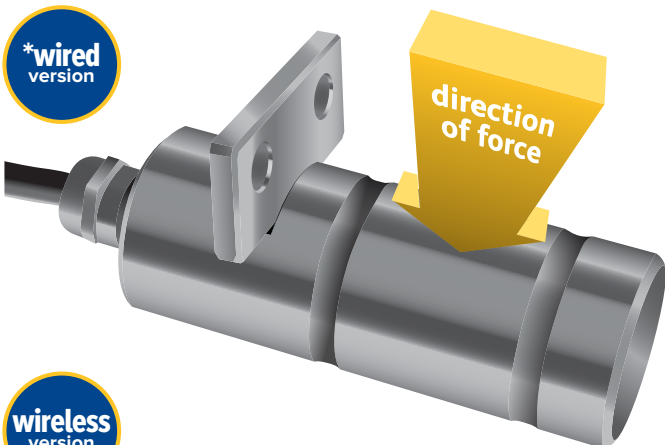
Applications:

- 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.

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

*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, meaning 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 also be supplied to withstand immersion in seawater at extreme depths.

Straightpoint Loadpins are typically connected to Straightpoint's Handheld plus, or may be supplied with a vast array of output formats. These 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. All are also supplied with a 10 metre or 32ft cable as standard, however, usable cable length varies greatly with lengths available to 1500 metres or 4900ft, depending on output format.

Please email your enquiry to: sales@straightpoint.com

#knowtheload

Also available with hazardous area approval. Zones 0, 1 & 2

ATEX / IECEx
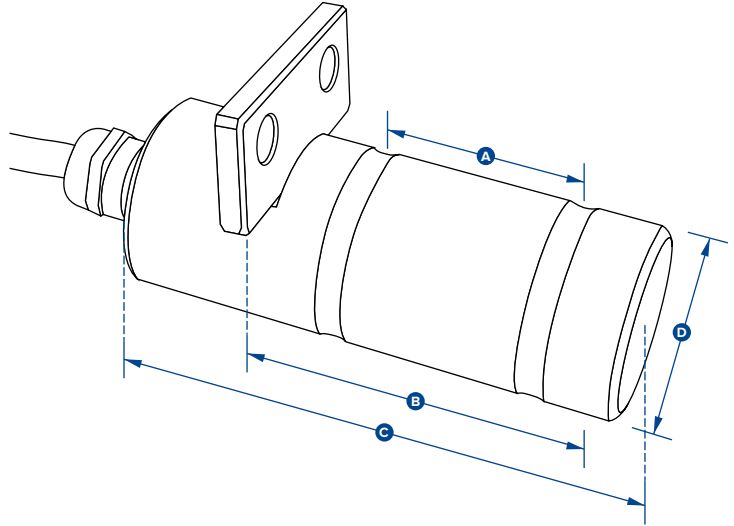## Ex ia II C T4 Ga

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 Numbers SP	LP500KG	LP1T	LP2.5T	LP3.5T	LP6.5T	LP15T	LP25T	LP50T	LP100T	LP250T	LP500T	LP750T	LP1000T	LP1500T
Crosby	2789276	2789277	2789278	2789279	2789280	2789281	2789282	2789283	2789284	2789285	2789286	2789287	2789288	2789289
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	0.2kg	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												
	lbs												
Weight	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 or -4°F to 158°F												
Accuracy	±1% of full scale												
Protection	IP67 [IP68 available as an option] or NEMA6 [NEMA6P 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

Max: 1000kg x 0.5kg

Features and benefits:

- Large 25mm or 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 that provide solutions for today's complicated load test, as well as 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. Should this occur, the load cell in question can be removed from service immediately, following the calibration-voiding overload event. It can then be sent out for proper testing and, if necessary, a recalibration can be done before it re-enters 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.

#knowtheload
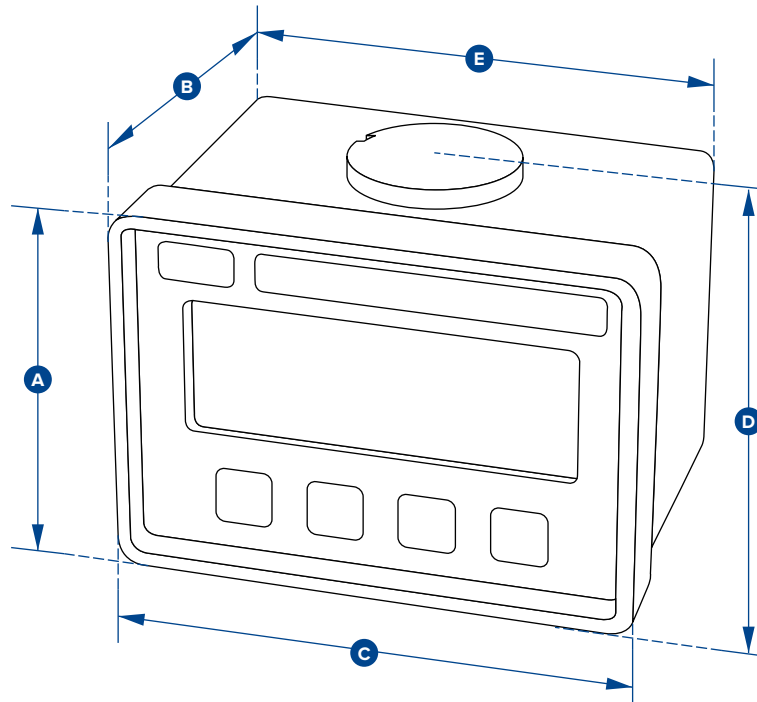
Part Numbers SP	LBP250KG	LBP500KG	LBP1T	LBP2T	LBP5T
Crosby	2789035	2789037	2789034	2789036	2789038
Capacity	250kg	500kg	1te	2te	5te
	550lb	1100lb	2200lb	4400lb	11000lb
Resolution	0.1kg	0.2kg	0.0005te	0.001te	0.001te
	0.2lb	0.5lb	1lb	2lb	2lb
Units	t. kg, kN and lb				
	lb, te, kN and kg				
Weight	900g	900g	900g	1.5kg	3.1kg
	2lb	2lb	2lb	3.3lb	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 or 6 digit 1" LCD				
Operating Temp	-10°C to 50°C or 14°F to 122°F				
Accuracy	±0.1% of full scale				
Protection	IP65 or NEMA4X				
Dimension A	81	81	81	92	92
	3.19"	3.19"	3.19"	3.62"	3.62"
Dimension B	81	81	81	117	136
	3.19"	3.19"	3.19"	4.61"	5.35"
Dimension C	113	113	113	112	112
	4.45"	4.45"	4.45"	4.41"	4.41"
Dimension D	90	90	90	104	115
	3.54"	3.54"	3.54"	4.09"	4.53"
Dimension E	104	104	104	Not available in this capacity	
	4.09"	4.09"	4.09"		

Miniweigher plus

Max: 2t x 0.001t

Features and benefits:

- Large 25mm or 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 and is available in capacities from 100kg to 5t. Worldwide, it is 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. This mounting point allows for load monitoring to be integrated within the lift, ensuring safety levels during the lowering and raising of equipment and/or personnel are optimised. It 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.
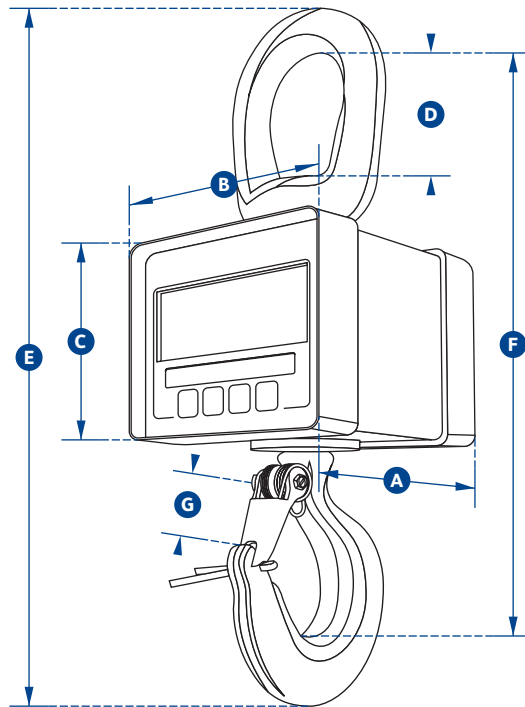
Part Numbers SP	MWP100KG	MWP250KG	MWP500KG	MWP1T	MWP2T	MWP5T
Crosby	2789055	2789057	2789059	2789056	2789058	2789060
Capacity	100kg	250kg	500kg	1000kg	2te	5te
	220lb	550lb	1100lb	2200lb	4400lb	11000lb
Resolution	0.05kg	0.01kg	0.2kg	0.5kg	0.001te	0.001te
	0.1lb	0.2lb	0.5lb	1lb	2lb	2lb
Units	t, kg, kN and lb					
	lb, t, kg and kN					
Weight	1.5kg	1.5kg	1.5kg	1.5kg	3.1kg	8.7kg
	3.3lb	3.3lb	3.3lb	3.3lb	6.8lb	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 or 6 digit 1" LCD					
Operating Temp	-10°C to +50°C or 14°F to 122°F					
Accuracy	±0.1% of full scale					
Protection	IP65 or NEMA4X					
Dimension A	82	82	82	82	117	136
	3.23"	3.23"	3.23"	3.23"	4.61"	5.35"
Dimension B	113	113	113	113	112	112
	4.45"	4.45"	4.45"	4.45"	4.41"	4.41"
Dimension C	81	81	81	81	92	92
	3.19"	3.19"	3.19"	3.19"	3.62"	3.62"
Dimension D	50	50	50	50	64	98
	1.97"	1.97"	1.97"	1.97"	2.52"	3.86"
Dimension E	240	240	240	240	320	444
	9.45"	9.45"	9.45"	9.45"	12.60"	17.48"
Dimension F	208	208	208	208	271	365
	8.19"	8.19"	8.19"	8.19"	10.67"	14.37"
Dimension G	22	22	22	22	28	42
	0.87"	0.87"	0.87"	0.87"	1.10"	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 when wearing gloves

5t and 10t version

20t version

The Jumboweigher crane scale is a popular choice among steel service centres and other heavy industrial applications because it is a cost-effective alternative to its more expensive rivals, yet a far safer option over low-cost crane weighers. The Jumboweigher series of crane scales offer high capacity, quality, accuracy and safety at low capacity prices. They 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, certified calibration and proof testing. The heavy duty crane scale is extremely accurate, manufactured from quality materials, and features 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, enabling use with gloved hands, providing 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.

When 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.

Crosby | SP

#knowtheload
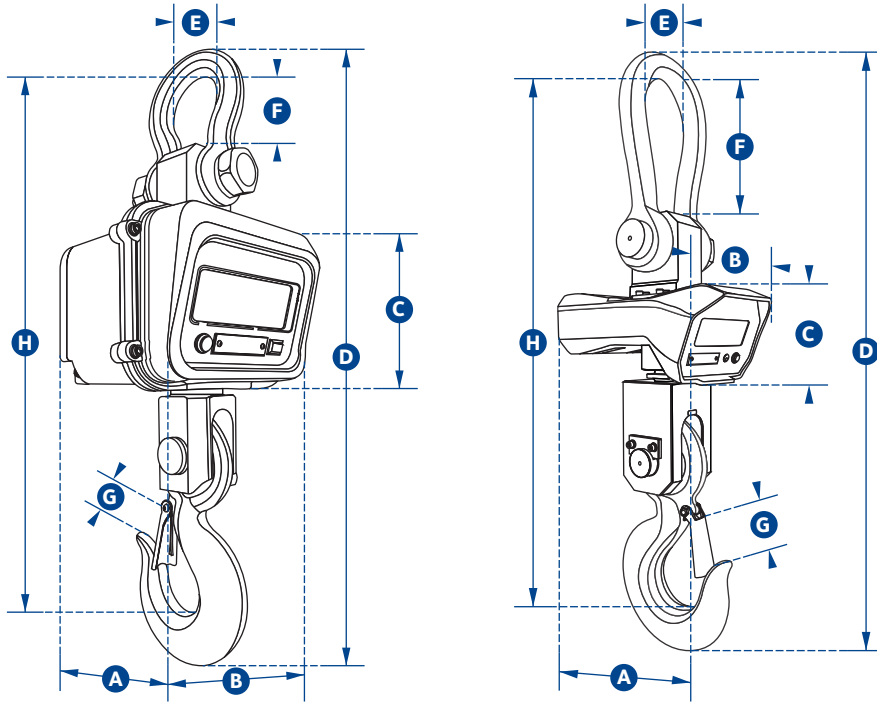
Part Numbers SP	JW5T	JW10T	JW20T
Crosby	2789033	2789031	2789032
Capacity	5000kg	10000kg	20000kg
	11000lb	22000lb	44000lb
Resolution	2kg	5kg	10kg
	5lb	10lb	20lb
Units	kg		
	lb		
Weight	18kg	29kg	75kg
	40lb	64lb	165lb
Safety Factor	5:1		
Battery Type	Internal rechargeable		
Battery Life	20hrs		
Display Type	30mm or 1.18" LED		
Operating Temp	-10°C to +40°C or 14°F to 104°F		
Accuracy	±0.1% of full scale		
Protection	IP54 or NEMA3		
Dimension A	195	195	355
	7.68"	7.68"	13.98"
Dimension B	255	255	230
	10.04"	10.04"	9.06"
Dimension C	180	180	165
	7.09"	7.09"	6.50"
Dimension D	715	780	1115
	28.15"	30.71"	43.90"
Dimension E	72	90	140
	2.83"	3.54"	5.51"
Dimension F	90	110	230
	3.54"	4.33"	9.06"
Dimension G	36	50	70
	1.42"	1.97"	2.76"
Dimension H	595	660	980
	23.43"	25.98"	38.58"

Accreditations/Affiliations

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.

CSA Group is a global provider of testing, inspection and certification services for products from a wide range of market sectors, and a leader in safety and environmental certification for Canada and the US. They are one of the largest standards development organisations in North America—their CSA certification mark appears on billions of products worldwide.

DNVGL-ST-0378

DNV GL enables organisations to advance the safety and sustainability of their business, providing them with classification, technical assurance, software and independent expert advisory services to the maritime, oil and gas and energy industries. Operating in more than 100 countries, their professionals are dedicated to helping customers make the world safer, smarter and greener.

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.

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

From 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. 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, along with the new addition of 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 on short lead times, heavy lift companies need large capacity load cells.

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 are ideal applications 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. All dynamic and static forces are logged onto a test certificate for later analysis and client approval.

Crosby | **Straightpoint**

Part No. SU3697 v3 - 9992530