



Bluetooth Technology

Straightpoint wireless products are also available with a Bluetooth option, free to download HHP App for Android and iOS mobile devices. SP's Bluetooth technology will allow you to monitor rigging line loads remotely, from a safe vantage point, up to 100m away. Have the convenience of using your own mobile smart device to view load, store and share load data from the project.



Making the lifting industry a safer place



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Part No: SU3939

Arborist and Tree Felling Brochure



straightpoint.com

SP's load monitoring systems are ideal for use in measuring line forces during numerous tree work activities carried out by Arborists

Their products have been put through rigorous testing regimes and meet the high standards of many globally recognised industry bodies such as ASME (American Society of Mechanical Engineers), AWRP (Associated Wire Rope Fabricators), SC&RA (The Specialised Carriers and Rigging Association), plus many more, with a range of intrinsically safe wireless products.

They have also developed them to be used with a wide range of industry standard rigging and lifting equipment that are utilised within tree management industry.

Risky business

The nature of an Arborist's line of work is lined with a high number of risks. Where if anything goes wrong it can lead to damaged equipment and assets, injury, or even fatalities.

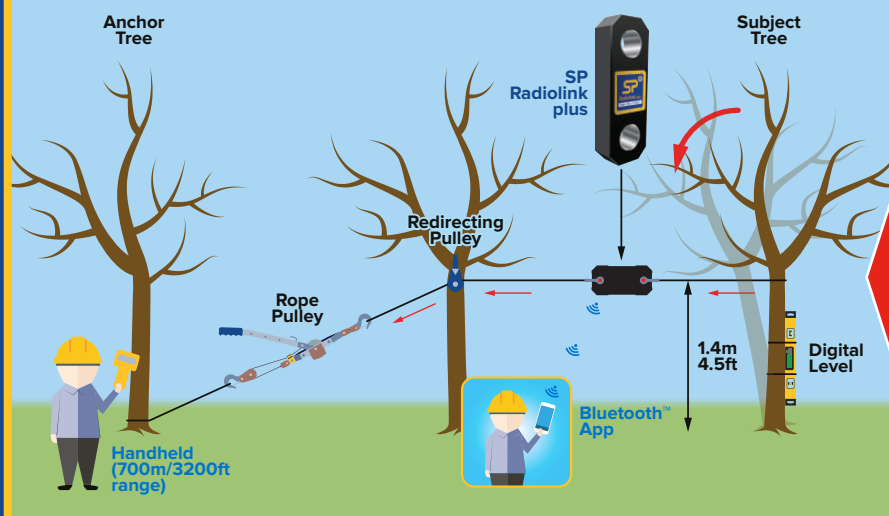
When you work at height you want to be assured the rigging lines will be able to take the weights and forces inflicted upon them. Because if a line's tolerance is exceeded (leading to it falling and snapping), then it can instigate a catastrophic series of events. Beyond the initial accidental damage - further harm can be inflicted upon business reputation.

A tree's location near to property or other types of valuable hard to move assets can throw up extra challenges. It may mean that it cannot be felled as a whole because of the risk of it damaging these structures or assets.

The alternative method is to take it down branch by branch, trunk segment by segment. Our load cells are ideal to be utilised within this situation in order to maximise safety and providing a higher guarantee of successfully completing the job.

Straightpoint understand the dangers and provide rugged and reliable product solutions:

1. Monitor to up to 700m (2400ft) away using our HHP handheld device with radio telemetry
2. IP67/NEMA6 environmental protection - protected from any outdoor heavy weather conditions involving wind and rain
3. Rugged hard wearing design that can be used in a variety of heavy use applications out in the field
4. 2 Year Warranty
5. Massive battery life of 1200 hours



TREE STABILITY TESTING

This diagram is showing how an arborist can test the stability of a tree using an **SP Radiolink plus** load cell to measure the trunk's resistance. As the line is pulled tighter using the pulley the load cell will allow the arborist to monitor/measure the force applied to the subject tree. This is to prevent the tree from falling over if resistance is found to be low. The tree's stability depends on the condition of the soil the tree sits in.

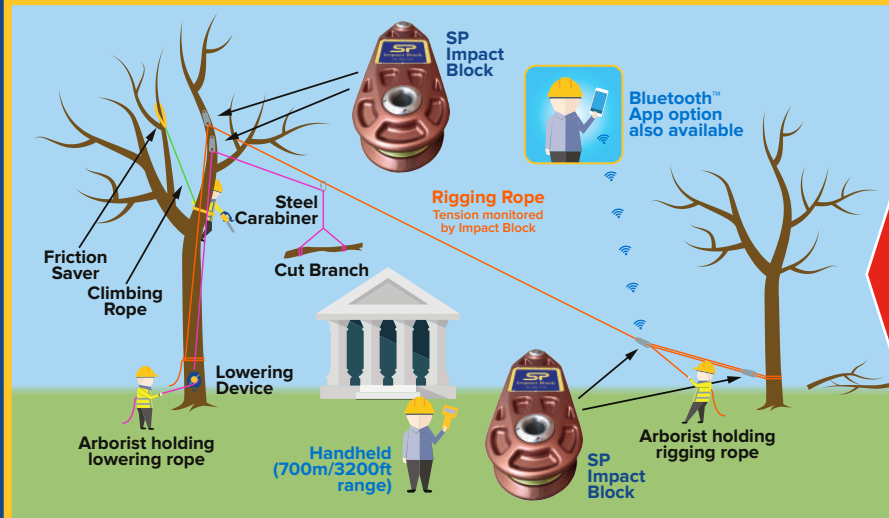
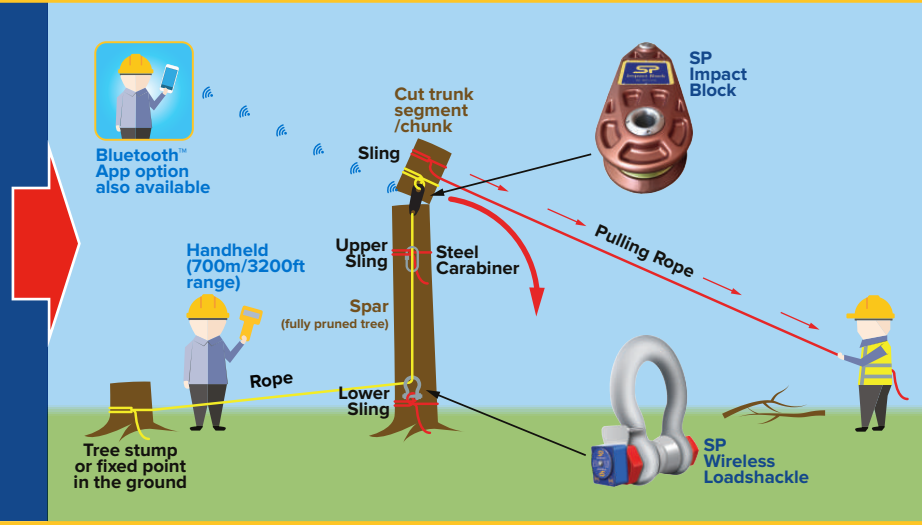
Achieve optimal levels of safety with your rigging setup while carrying out essential tree maintenance work



HIGH LINE ANCHORING OR NEGATIVE BLOCKING

In these type of rigging set-ups, where large sections of severed tree trunk segments need to be felled in a controlled and safe manner, the **SP Impact Block** can be used to monitor tension on the main holding/lowering rope-line. This is to prevent overloading and snapping of the line holding the trunk segment, which could consequentially cause damage to the property within the area where it lands. It would also help to prevent potentially fatal accidents involving nearby work colleagues.

If a 100lb segment was to be sent into free fall it can create up to 500-600lbs of force on the line and if it were to snap then that same force could be inflicted upon where it lands.



REDIRECT/TARGETED SPEEDLINE/SLIDELINE TECHNIQUES

There are times when a subject tree, which needs to be trimmed and have large branches removed, is in a location where there is property in close proximity to it. In order to prevent any trimmings from landing and damaging this property, the precision rigging technique known usually as either 'Slideline' or 'Speedline' is setup and used. The **SP Impact Block** can be essential as a replacement for a standard rigging block to monitor and measure the tension on the rigging line that is being used to lower trimmed segments of the tree. Thus maximising safety within the job.

SP Software

Straightpoint can provide their own versatile and user friendly, proprietary software packages, which can be used on either laptop or smart mobile tablet (designed for use on a Windows interface).

The two most relevant software packages are:

- **SW-MWLC**
Provides real-time measurement data clearly, allows user setup of overload and underload limit alarms, and also creates analytical graphs for comparative load checking.
- **Proof Test Plus**
Ideal for generating and recording test reports from stress tests on fixed structures.

Control our wireless load cell range remotely, at a safe distance, with an intuitive interface that provide clear and concise load data from up to 100 load cells simultaneously.