



Instructions for submitting Wire Rope samples to the Straightpoint COLT library

The Straightpoint COLT app wire rope library exists to support the functionality of the COLT Clamp Online Tension meter, a device designed to measure tension in wire and synthetic ropes quickly and accurately.

Purpose of the wire rope library:

Calibration accuracy:

Wire ropes vary significantly in construction, e.g., 1x7, 7x19, 6x36 and even ropes of the same diameter can behave differently due to differences in rigidity and core type. The library allows the COLT device to apply the correct calibration profile for each rope type.

Unlimited rope profiles:

The app includes an expandable database of wire rope types. Initially launched with around 20 profiles, it now supports over 300 and continues to grow. Users can update the database with a single click, ensuring they always have access to the latest rope specifications.

Simplified field use:

By selecting the correct rope type from the app, users can measure tension without needing to swap out sheaves or use additional tools. This makes the COLT ideal for on-site applications like elevator cables, ski lifts, fall arrest systems, and barrier tensioning.

Bluetooth integration:

The COLT transmits tension data wirelessly to the app, which uses the rope library to interpret and log the measurements accurately.

How to send your rope to us:

To ensure compatibility and accurate calibration, **please adhere to the following guidelines** when submitting wire rope samples:

A. Ropes with a diameter up to **½ inch (1.27 cm)**:

- Must be **fused & tapered both ends**
- Must be exactly 3 meters in length.





B. Ropes with a diameter greater than ½ inch (1.27 cm):

- Must be **terminated with hard eyes at the end.**
- Must be no longer than 2 meters in length, measured eye to eye.
- Must be between 1.6 m and 2m length, measured eye to eye.



Hard eyes should take the form of turnbacks with thimble (fitted with a ferrule or the correct number of wire rope grips), flemish eyes with thimble, swaged or spelter closed sockets.

Important:

Samples that do not meet the above specifications will **not be accepted** and will be **discarded upon receipt.**

Please ensure your wire rope is accompanied by a **permanently attached label** that clearly displays your contact details and the required rope information as per below:

Sender details

Contact name	
Company name	
Tel. No.	
Email address	

Wire rope details

Rope name	
Rope diameter	
Strand configuration	
Material	
Minimum Breaking Load (MBL)	

Send to:
123 Proxima Park
Houghton Avenue
Waterlooville
Hants, PO7 3DU
UK