

Wire Rope Tensioner Gauge

DESCRIPTION

This rope tension gauge is easy to assemble, ready to use and accurate. Unequal rope tension increases wear and tear and shortens rope life. The rope tension gauge measures relative tension in ropes allowing you to adjust for equal tension.

Main Components:

1. Tube with Hook
2. Fulcrum with clamp
3. Scale, 0-50#, with clamp
4. Maximum rope size is $\frac{3}{4}$ " (19mm)

ASSEMBLY:

Slide the Fulcrum (item 2) onto the Tube (item 1), to about nine (9) inches from the Hook (item 4). Align the Fulcrum with the Hook and gently tighten, both. Then install the Scale (item 3) at the bottom of the Tube (item 1), align with the Fulcrum (item 2) and Hook (item 4) and tighten. You may now begin checking your wire ropes.

USE:

1. Place the assembled Rope Tension Gauge on the rope about 3-4 feet above the rope shackle. See picture.
2. Adjust the Fulcrum (item 2) so the Scale (item 3) indicates approximately 25 pounds (the middle of the Scale's range). Tighten the handle.
3. Record the reading for this rope and continue doing this for the remaining ropes. If any readings fall outside the adjusted range, move the Gauge to the rope with a reading close to the middle of your range and adjust the Fulcrum (item 2), up or down to suit your new range. Record your new readings for each rope.
4. Add all of the new readings and divide the total by the number of ropes. This is the reading that all ropes should display, after re-adjustment.

