

STEEL WIRE ROPE

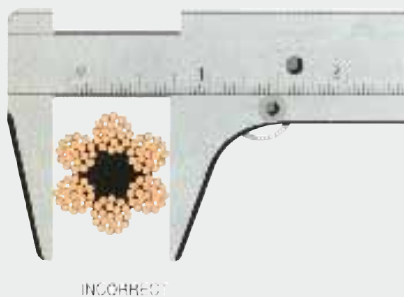


The wire ropes shown are suitable for a wide variety of applications including slings, winch and hoist ropes. Wire ropes are available from 1.6mm to 90mm in a wide range of constructions, grades of steel, core type and finish. Larger sizes are available on request.



How to measure the diameter of wire rope:

Measure the circle just touching the extreme outer limits (crown) of the strands.



RIGHT LAY — REGULAR LAY



LEFT LAY — LANG LAY



LEFT LAY — REGULAR LAY



RIGHT LAY — ALTERNATE LAY



RIGHT LAY — LANG LAY



LEFT LAY — ALTERNATE LAY

Wire Rope Lays

- Right Lay: Clockwise.
- Left Lay: Counter Clockwise.
- Regular Lay: Wires in strands are laid in the opposite direction of the strands and are parallel to the rope axis.
- Lang Lay: Wires are laid in the same direction as the strands of the rope and in an angle to the rope axis.

Longer lengths of the individual wires are exposed, creating greater resistance to wear and improve flexibility. Lang lay ropes should only be used where both rope ends are 'fixed' and therefore should not be used with a swivel type terminal.

Construction of Steel wire ropes

The design of a rope is determined by:

- Strand Construction
-the number and arrangement of wires in each strand
- Rope Construction
-the number and arrangement of strands in each rope
- The Core

