

## Waddling wire guide

To achieve the wire winded up properly on a winch, different guiding systems are used. The majority of these guiding systems are parallel driven by the winch drive. The adjustment of this cooperation between winch drum and spooling device is a major source of failure. After a period of time the wire, or the drive system itself tends to wear, and readjustment is necessary.

Machinefabriek Luyt B.V. (Engineering Works Luyt BV) is the producer of a guiding system with less maintenance: the **Waddling wire guide**. Once the Waddling wire guide is installed it only needs some greasing.

### How is the Waddling wire guide working?

Between two cranks a shaft is mounted in a specific angle; on this shaft runs a free rolling sheaf. The radial force executed by the wire tension on the sheaf makes the shaft waddling. In this way the wire is forced (a force of nature) to move over to the next position, instead of lying over the former wire winding. When the wire reaches the drum shield, the guiding reverses automatically .

### What do we have to know for calculating your Waddling wire guide?

- Pulling force of the winch
- Hauling speed of the winch
- Diameter of the winch drum and wire
- Distance between the winch drum shields
- Position of the first sheaf



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