

Technical Data Sheet

Wooden cable reel — Ø 900 mm, ANIE format

The reel described in this data sheet is built in compliance with the **ANIE specification for the construction of wooden reels for electric cables** (Associazione Nazionale Industrie Elettriche ed Elettroniche, Cable Group), which sets out its technical/construction characteristics and acceptance tests.

General characteristics

- Spruce timber, quality grade III/IV (Scots pine or larch allowed only for flanges and drum).
- Timber moisture content not exceeding 20%, maximum specific weight 550–600 kg/m³.
- No varnishing or impregnation of the timber.
- Nailing evenly distributed around the flange circumferences, points clinched from the outside.
- Fire-branded manufacturer's mark and year of manufacture on the inner flange surface.

WOODEN CABLE REEL — Ø 900 mm

Type 09 — medium reel

General data

Nominal flange diameter	900 mm (tolerance +0 / -10 mm)
Maximum overall width	566 mm
Estimated average weight (empty reel)	40 kg
Maximum cable load	900 kg
Usable volume — without cover disc	224 dm ³
Usable volume — with cover disc	213 dm ³

Flange

Minimum average total thickness	44 mm
Half-flange thickness (inner/outer)	23 / 22 mm
Minimum width of central board	150 mm
Maximum number of boards	7
Flange nailing (size x length)	2.5 x 40 mm
Nominal nailing radii	R1 420 mm · R2 320 mm

Drum

Outer diameter of drum seat	450 mm
Inner diameter of drum seat	406 mm
Depth of drum seat	10 mm
Nominal stave width	470 mm (tolerance ±2 mm)
Minimum average stave thickness	22 mm
Stave width (min–max)	60–100 mm

Axial bore and hub holes

Axial bore diameter 82 mm (tolerance -0/+1 mm)

Hub hole diameter 50 mm

Nominal hub hole radii E1 160 mm · E2 250 mm

Tie rods and cable closure

Number of tie rods 4

Tie rod bar M12 x 564 mm, with 8 M12 nuts

Cupped washers 8 pcs, Ø80 x 2 mm

Cable-entry hole (alternative to cover disc) Ø nominal 45 mm

Cover disc (optional) — outer / inner diameter 780 / 450 mm

Cover disc (optional) — height 165 mm

Cable-tie holes — bolt-circle diameter / hole diameter 820 / 10 mm, 70 mm spacing