

Roblon Concentric Single Binder, CB-1

Roblon yarn binders offer unmatched performance, reliability, and versatility, making them the ideal choice for cable manufacturers.

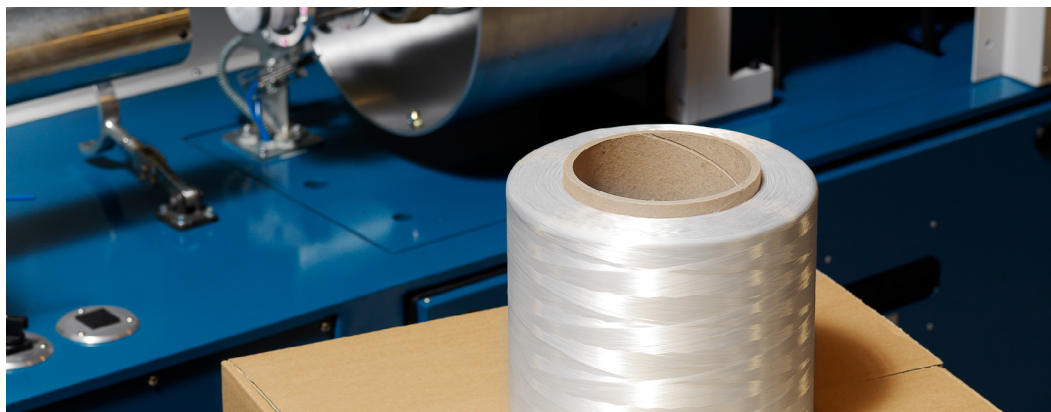
The Roblon Single Binder is a critical component in the manufacturing process of optical fiber cables, particularly in stranding and sheeting lines. Its reliability and effectiveness have been demonstrated across cable manufacturers globally.

One of its key strengths lies in its precise balancing and alignment of the yarn package. This enables the equipment to achieve very high binding speeds while minimizing vibrations, thus enhancing overall efficiency.

Furthermore, the tension control system of the Roblon Single Binder is both highly accurate and consistent. This feature is essential for maintaining the integrity of the cables by ensuring that tension remains constant regardless of factors such as bobbin diameter or rotating speed. Consistent tension is particularly crucial to prevent damage to the loose tubes before and after extrusion processes.

Moreover, the Roblon Single Binder is equipped with extra eyelets, allowing it to accommodate dual-end yarns as a standard feature. This flexibility further enhances its versatility and suitability for various manufacturing requirements.

- For fixation of cable elements
- Speeds exceeding 4000 rpm
- Dual-end binding possible
- Proven track record
- Optimally used with all Roblon binder yarns



Excellent balancing of the binder head and centering of yarn package makes it possible to run the concentric binder at very high rotation speed.

Often used for fixation of longitudinal folded tape in combination with Roblon Tape Pay-Off TP-1 and TP-IXL.

Technical data	CB-1
Binding speed:	4000 rpm
Single-yarn binding tension:	3-24 N
Tension tolerance*:	± 1-3 N
Lay length:	10-100 mm
Centre bore:	Ø50 mm
Bobbin dimensions:	Ø127 x Ø250 x 220 mm
Bobbin weight:	Max. 6 kg
Binding material:	Polyester, aramid, water-blocking yarn, narrow tapes etc.
Dimensions (L x W x H):	1560 x 950 x 1200 mm
Centre height:	1000 mm
Motor:	4 kW AC, 1.23 kW AC servo
Drive:	Servo Drive
Operation direction:	Left to right/right to left
Interface:	Profinet/Profisafe

* Depending on tension area and rotation speed

Optional equipment
Interface: Siemens ProfiBUS, Analogue/digital, Rockwell Ethernet IP
Wheel or rail system for easy relocation
Storage for 3 or 4 spools (yarn package)
Yarn cutter for emergency stop
Temperature and vibration sensor
Air conditioning system
Operation light

