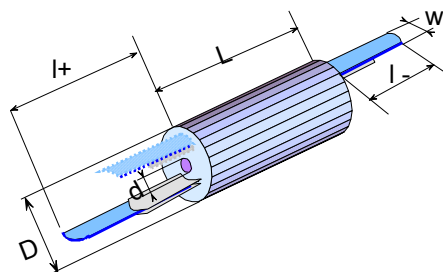


AVL367 Automatic Winding Machine



JELLY ROLL



Dimensions

D	13	to	18	mm
L	40	to	70	mm
d	3.5	to	4	mm
l - (axial)		max	12	mm
l +	10	to	45	mm
w	3	to	5	mm

MAIN FEATURES

- Three mandrels multi-head.
- Two electrode reel holders, Positive and Negative electrode interchangeable reels to obtain different cell designs.
- Tapered design mandrels.
- Double coating electrodes winding.
- Tab welding on free zone of electrodes.
- Adhesive tape application on tabs (one or two sides), for protection against separator damage.
- Jelly roll sealing by adhesive tape.
- Anode and cathode on-line alignment monitoring.
- Available optional devices: Jelly roll diameter check, High Pot test, Semiautomatic reel splicing.

MACHINE PERFORMANCES

Speed

Mandrel rotation speed max. 314 rad/s (3.000 rpm)

Tension force applied to the winding materials

Separators	0.98 to 3.9 N (100 to 400 g)
Electrodes	1.47 to 9.8 N (150 to 1000 g)
Winding presser roller	(1000 g max.)
Wrap presser roller	(4000 g max.)

OPTIONAL

- Electrode and separator splicing.
- Negative electrode tab protection (anode.)
- Center hole opening.
- Splicing detection and eventual reject.
- High-Pot test.
- Jelly roll diameter inspection and out of range rejection.
- Vacuum cleaning of electrodes and their edges.