MESSROL 670 / 1000

Coil and spool winder, manual

Manual winding, measuring and cutting

Fig. 1: MESSROL 670 with RAPID 600 SP and MESSBOI 25 with roller cage unit

MESSROL 670 / 1000

- **Manual coil and spool winder**

Functionality:

This manual coil and spool winder enables to wind winding material like cables, wires etc. into coils or onto spools while length measuring and cut to lenght at the same time.

- Modular system
- Easy winding while length measuring at the same time
- Movable traversing slide for a smooth winding pattern
- Easy assembly and removal of the coils and spools
- Optional: cutting device
- Optimal combination / supplement with unwinder or drum rack

Modular system

Possible combination:

Fig. 2: MESSROL 1000 base frame

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Fig. 3: RAPID 800 SL

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Fig. 4: MESSBOI 40 BAE with inlet roller cage and MATIS 25 M

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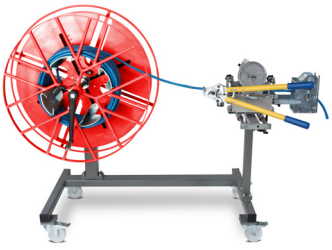

Fig. 5: MESSROL 1000 with RAPID 800 SL, MESSBOI 40 BAE, inlet roller cage and MATIS 25 M

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MESSROL 670 / 1000

Coil and spool winder, manual

Complete device

- **Complete device with measuring device**

Complete device	MESSROL 670
Part No.	**86100015**
Components	consisting of:
Base frame mobile	Part No. 86180439
MESSBOI 25	Part No. 85101000
Inlet and outlet roller cage unit	Part No. 85101001
RAPID 600 SP	Part No. 85100091
Technical data	
L x W x H	approx. 880 x 680 x 1210 mm
Colour	RAL 7005 mouse grey
Weight	approx. 52 kg

Fig. 6: MESSROL 670 complete device

- **Complete device with measuring device / cutting unit**

Complete device	MESSROL 1000
Part No.	**85100015**
Components	consisting of:
Base frame mobile	Part No. 85100439
MESSBOI 40 BAE	Part No. 85100003
Inlet roller cage	Part No. 85100189
MATIS 25	Part No. 85100163
RAPID 600 SP	Part No. 85100091
Technical data	
L x W x H	approx. 1250 x 710 x 910 mm
Colour	RAL 7005 mouse grey
Weight	approx. 80 kg

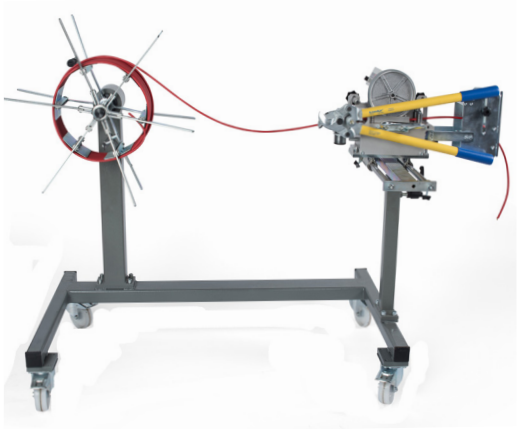

Fig. 7: MESSROL 1000 complete device

- **Complete device without measuring device / cutting unit**

Complete device	MESSROL 1000 RM
Part No.	**86180500**
Components	consisting of:
Base frame mobile	Part No. 86180440
RAPID 850 ST	Part No. 85100466
Technical data	
L x W x H	approx. 1200 x 710 x 1135 mm
Colour	RAL 7005 mouse grey
Weight	approx. 67 kg

Fig. 8: MESSROL 1000 RM complete device

MESSROL 670 / 1000

Coil and spool winder, manual

Base frame

Technical data	MESSROL 1000	MESSROL 670
Part No.	**85100439**	**86180439**
Coil-Ø / Spool-Ø	max. 1000 mm	max. 670 mm
Axle holder-Ø	30 mm	30 mm
Traversing width	250 mm	250 mm
L x W x H	approx. 1200 x 710 x 910 mm	approx. 860 x 680 x 910 mm
Weight	approx. 51 kg	approx. 41 kg

Scope of delivery: Steel frame with brakeable steering rollers and traversing slide with holder for length measuring device.

Fig. 9: MESSROL 1000 base frame

Technical data	MESSROL 1000 RM
Part No.	**86180440**
Coil-Ø / Spool-Ø	max. 1000 mm
Axle holder-Ø	30 mm
Traversing width	250 mm
L x W x H	approx. 1200 x 710 x 910 mm
Weight	approx. 35 kg

Scope of delivery: Steel frame with brakeable steering rollers.

Fig. 10: MESSROL 1000 RM base frame

Length measuring unit

Technical data	MESSBOI 25*
Part No.	**85101000**
Measuring range	2 - 25 mm
Display of counter	9999,99 m
L x W x H	approx. 120 x 160 x 350 mm
Error limit	+/- 0,5 %
Measuring wheel	aluminum with vulcanized PUR coating
Colour	RAL 7005 mouse grey
Weight	approx. 2,2 kg

Technical data	Inlet and outlet roller cage for MESSBOI 25
Part No.	**85101001**
Roller cage unit for better guidance of the winding goods. Note: In combination with MESSROL 670 / 1000 the inlet and outlet roller cage unit is necessary.	

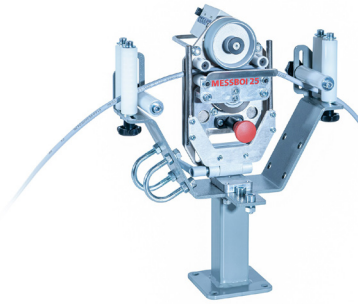

Abb. 11: MESSBOI 25 with roller cage unit

* MESSBOI 25: Available with conformity assessment (formerly first calibration).
Conformity assessment of the lenght measuring device according module F1 with additional inlet and outlet roller cage is approved by German calibration authority. Valid for an unlimited period in the EEA. Conformity assessment has to be carried out in the manufacturing firm. Re-assessment after two years is not required, but maintenance by Kabelmat is recommended. **Only approved for useage in direct sales!**

MESSROL 670 / 1000

Coil and spool winder, manual

Length measuring device

Technical data	MESSBOI 40 BAE*
Part No.	**85100003**
Measuring range	1 - 40 mm
Measuring range conformity assessed	2 - 25 mm
L x W x H (without roller cages)	approx. 320 x 320 x 280 mm
Display of counter	9999,99 m
Measuring wheel circumference	0,5 m
Error limit with roller cages due to class of accuracy III	+ / - 0,5 %
Weight	12 kg

* Note: MESSBOI 40 BAE is also available with stainless steel counter roller for wire rope or steel cable. Part No. 86000316.

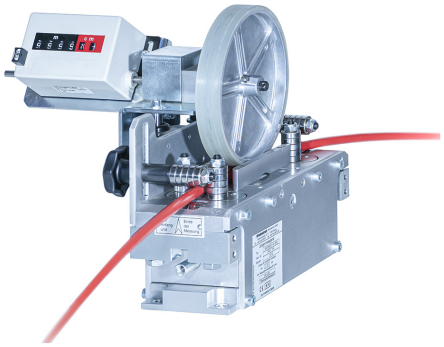

Fig. 12: MESSBOI 40 BAE length measuring device

Roller cages

Fig. 3 Inlet and outlet roller cages

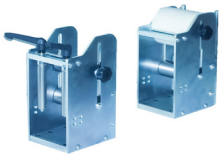

Fig. 4 Inlet and outlet roller cages

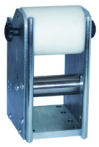

Fig. 5 Inlet roller cage

Fig. 6 Inlet or outlet roller cage

Technical data	Inlet and outlet roller cages (pair)	Inlet and outlet roller cages (pair)	Inlet roller cage (piece)	Inlet or outlet roller cage (piece)
Part No.	**85100185**	**85100186**	**85100189**	**86001454**
Suitable for MESSBOI 40 BAE	✓	✓	✓	✓
For winding from an unwinder	✓	-	-	✓
For winding out of a drum rack	-	✓	✓	-
Rollers horizontal adjustable	✓	✓	✓	✓
Rollers horizontal and vertical adjustable	✓	✓	-	✓
Material-Ø	max. 40 mm	max. 40 mm	max. 40 mm	max. 40 mm
Guide outlet rollers-Ø	35 mm	35 mm	-	-
Guide inlet rollers-Ø	35 mm	80 mm	80 mm	35 mm
Weight	approx. 10 kg / pair	approx. 10 kg / pair	approx. 5 kg	approx. 5 kg
Housing	steel zinc-plated	steel zinc-plated	steel zinc-plated	steel zinc-plated
Guide rollers inlet	stainless steel	plastic	plastic	stainless steel
Guide rollers outlet	stainless steel	stainless steel	-	-

Conformity assessment

Technical data	Conformity assessment / MID (formerly first calibration)
Part No.	**146**

Conformity assessment of the lenght measuring device according module F1 with additional inlet and outlet roller cage is approved by German calibration authority. Valid for an unlimited period in the EEA. Conformity assessment has to be carried out in the manufacturing firm. Re-assessment after two years is not required, but maintenance by Kabelmat is recommended. **Only approved for useage in direct sales!**

MESSROL 670 / 1000

Coil and spool winder, manual

Cutting devices and accessory

Technical data	MATIS 25 cutter	MATIS 35 cutter
Part No.	**85100163**	**85100162**
mounted on MESSBOI 40	✓	-
Material-Ø	max. 25 mm	max. 35 mm
Weight	approx. 4,9 kg	approx. 3,9 kg
Colour plastic cover	yellow	yellow

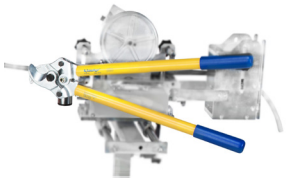

Fig. 18 MATIS 25 (mounted)

Fig. 19 MATIS 35 (loose)

Technical data	Holder for cutter MATIS 35
Part No.	**85100558**
mounted on base frame	✓
L x W x B	approx. 150 x 50 x 400 mm
Weight	approx. 2,5 kg
Colour	RAL 7005 mouse grey
Note: Not suitable for wire ropes.	

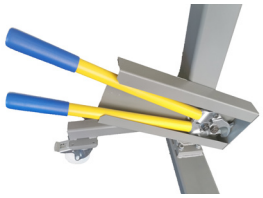

Fig. 20 Holder for MATIS 35

Technical data	**MATIS 40 lever shear** for cable (fine-wire)
Part No.	**86001132**
Material-Ø	max. 40 mm
B x W x H	approx. 110 x 130 x 720 mm
Weight	approx. 8,3 kg
Material	Blades made of oxide ceramics
Complete closed knife. Cut release via hand lever.	

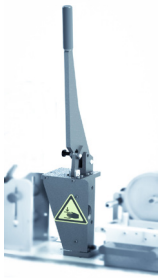

Fig. 21 MATIS 40

Technical data	Alu profile for MESSBOI 40 for mounting onto MESSROL
Part No.	**86100005**
With mounting plates for roller cages, length measuring device, housing for counter and lever shear on MESSROL. Note: The length of the alu profile is adjusted according to the modular design.	

Technical data	Alu profile for MESSBOI 25 and MATIS 40 lever shear
Part No.	**86100008**

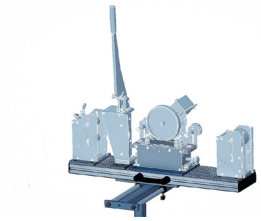

Fig. 22 Alu profile for MATIS 40

Spool winding axle with hand crank

Technical data	Spool winding axle 800 MB	Spool winding axle 800 RM
Part No.	**85100435**	**85100555**
Spool-Ø	max. 800 mm	max. 800 mm
Spool width	max. 395 mm (at bore 40 mm)	max. 430 mm (at bore 35 mm)
	max. 470 mm (at bore 80 mm)	max. 445 mm (at bore 50 mm)
		max. 475 mm (at bore 85 mm)
Spool bore-Ø	40 - 80 mm	35 - 85 mm
Axle holder-Ø	30 mm	30 mm
Axle-Ø	30 mm	30 mm
Colour	zinc-plated	zinc-plated
Load capacity	max. 60 kg	max. 100 kg
Weight	approx. 8 kg	approx. 10 kg
Driving pin	Ø 25 mm with an adjustment range of 80 - 170 mm	-

Fig.23 Spool winding axle 800 MB with driving pin

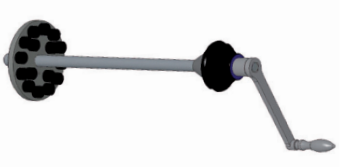

Fig.24 Spool winding axle 800 RM

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MESSROL 670 / 1000

Coil and spool winder, manual

Coiler head with hand crank

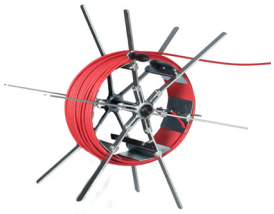

Fig. 24: RAPID 600 SP

Fig. 25: RAPID 670 ST

Fig. 26: RAPID 480 SL

Fig. 27: RAPID 800 SL

Technical data	RAPID 600 SP
Part No.	**85100091**
Coil-Ø	max. 600 mm
Core-Ø (**fixed core**)	300 mm
Coil width	max. 120 mm
Load capacity	max. 25 kg
Axle holder-Ø	30 mm
Weight	approx. 8 kg
Colour	zinc-plated

Technical data	RAPID 480 ST	RAPID 670 ST	RAPID 850 ST*	RAPID 1000 ST*
Part No.	**85100557**	**85100465**	**85100466**	**85100884**
Coil-Ø	max. 480 mm	max. 670 mm	max. 850 mm	max. 1000 mm
Core adjusting range (**in steps**)	200/250/300/350 mm	250/400/500 mm	250/350/450/550/650 mm	250/350/450/550/650 mm
Coil width	80 - 250 mm	80 - 250 mm	80 - 250 mm	80 - 250 mm
Load capacity	max. 50 kg	max. 80 kg	max. 80 kg	max. 80 kg
Axle holder-Ø	30 mm	30 mm	30 mm	30 mm
Weight	approx. 25 kg	approx. 28 kg	approx. 32 kg	approx. 38 kg
Colour	RAL 3020 traffic red	RAL 3020 traffic red	RAL 3020 traffic red	RAL 3020 traffic red

Technical data	RAPID 480 SL	RAPID 800 SL*	RAPID 1000 SL*
Part No.	**85100083**	**85100174**	**86001457**
Coil-Ø	max. 480 mm	max. 800 mm	max. 1000 mm
Core adjusting range (**stepless**)	200 - 370 mm	300 - 550 mm	550 - 800 mm
Coil width	50 - 250 mm	50 - 250 mm	20 - 250 mm
Load capacity	max. 65 kg	max. 80 kg	max. 100 kg
Axle holder-Ø	30 mm	30 mm	30 mm
Weight	approx. 40 kg	approx. 70 kg	approx. 85 kg
Colour	RAL 3020 traffic red	RAL 3020 traffic red	RAL 3020 traffic red

*only in combination with MESSROL 1000.