

SYNCHROMATIC ECO

NA 2570.19

■ MADE IN GERMANY



ampulsa®

NEW! NA 2510.19

Enlarged at same price – Synchromatic ECO

With this “chromatic” 250 model you are able to sew continuously without breaks from start to the end or from automatic reverse sewing at the beginning to the automatic reverse at the end with automatic thread cutting.

Together with the continuous thread tension system you get perfect results in “hemming” as well as in “keder” – flatpipe – sewing.

Choose different sizes, see pg. 16.



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ECO FOR KEDER / SEG, VELCRO, FLAGS, PVC,

Art.no.	Equipment
5.NA2570.1NG	NEU! SYNCHROMATIC - ECO 9110 - 2,4 m, 1-needle sewing head double feed, big hook system 26 mm EFKA-servo
5.NA2570.274	ditto with 1 needle industrial DA 274 sewing machine, regular hook system double feed, puller, EFKA-servo
5.NA2070.901	SYNCHROMATIC ECO 1-needle with double feed and top wheel feed, regular hook system
5. NA2570.2N	SYNCHROMATIC 2570 ECO 2-needle with German Efka Servo, Brother type big hook system 26 mm EFKA-servo
5.NA2570.8..	SYNCHROMATIC 2570 ECO 2-needle – big hook system 26 mm – DA 8-series EFKA-servo
5.NA2510.1NG	SYNCHROMATIC - ECO 9110 – 2,4 m, wide conveyor, 1-needle double feed, with Efka Servo, big hook system 26 mm
5.NA2510.274	SYNCHROMATIC ECO 274 DA – 2,4 m, wide conveyor, with double feed and top wheel feed, regular hook system EFKA-servo
5.NA2510.2N	SYNCHROMATIC ECO 2,4m wide conveyor with WM 2-needle 26 mm big bobbins, with German Efka Servo
5.NA2510.8.	SYNCHROMATIC ECO 2,4m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins EFKA-servo
5.NA3070.2N	SYNCHROMATIC ECO 3 m wide conveyor with WM 2-needle 26 mm big bobbins EFKA-servo
5.NA4070.1NG	SYNCHROMATIC - ECO 9110 – 4 m, wide conveyor, 1-needle sewing head double feed, big hook system EFKA-servo
5.NA4070.274	SYNCHROMATIC ECO 274 DA – 4 m, wide conveyor, with double feed and top wheel feed, regular hook system EFKA-servo
5.NA4070.2N	SYNCHROMATIC ECO 4 m wide conveyor with WM 2-needle 26 mm big bobbins, with German Efka Servo
5.NA4070.8..	SYNCHROMATIC ECO 4 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with Efka Servo
5.NA4070.KST	SYNCHROMATIC ECO 4 m – with multi-needle tape sewing machine, chain stitch
5.NA4010.274	SYNCHROMATIC ECO 274 DA – 4 m, wide conveyor, with double feed and top wheel feed, regular hook system
5.NA4010.8	SYNCHROMATIC ECO 4 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with Efka Servo
5.NA4010.2N	SYNCHROMATIC ECO 4 m wide conveyor with WM series, 2-needle, 26 mm big bobbins, with Efka Servo
5.NA4015.8	SYNCHROMATIC ECO 4 m, 1,46 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with German Efka Servo
5.NA5010.2N	SYNCHROMATIC ECO 5 m wide conveyor with WM series, 2-needle, 26 mm big bobbins, with German Efka Servo
5.NA5010.2N8	SYNCHROMATIC ECO 5 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with German Efka Servo
5.NA6070.2N.	SYNCHROMATIC ECO 6 m conveyor with WM series, 2-needle, 26 mm big bobbin, with German Efka Servo
5.NA6070.8.	SYNCHROMATIC ECO 6 m conveyor with DA 8 series, 2-needle, 26 mm big bobbin, with German Efka Servo
5.NA6010.8..	SYNCHROMATIC ECO 6 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with German Efka Servo
5.NA8010.8..	SYNCHROMATIC ECO 8 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with German Efka Servo
5.NA6015.8..	SYNCHROMATIC ECO 6 m, 1,46 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with German Efka Servo
5.NA8015.8	SYNCHROMATIC ECO 8 m, 1,46 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with German Efka Servo
5.NA100108..	SYNCHROMATIC ECO 10 m, 0,9 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with German Efka Servo
5.NA10015.8	SYNCHROMATIC ECO 10 m, 1,46 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins, with German Efka Servo
5.NA1210-827	SYNCHROMATIC ECO 12 m, 0,9 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins

Accessories:	5.2200-NK	Needle Cooling
	5.2300.TL	Kick Pedal for aut. sewing
	5.TTFEED.0	Top Tape Feed synchronised with conveyor and sewing head
	5.PL	Puller Top Feed
	5.PLE	Electronic Puller only for 8-Series prepared for ATAS – extra

... REINFORCEMENT TAPES FOR BINDING FOR ...

Flag sewing machine by 827



Keder sewing by Werkmeister



ECO in a high variety for all demands

Keder sewing by Overlock



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SYNCHROMATIC_PLUS_ATAS

NA 2510 ATAS

■ MADE IN GERMANY

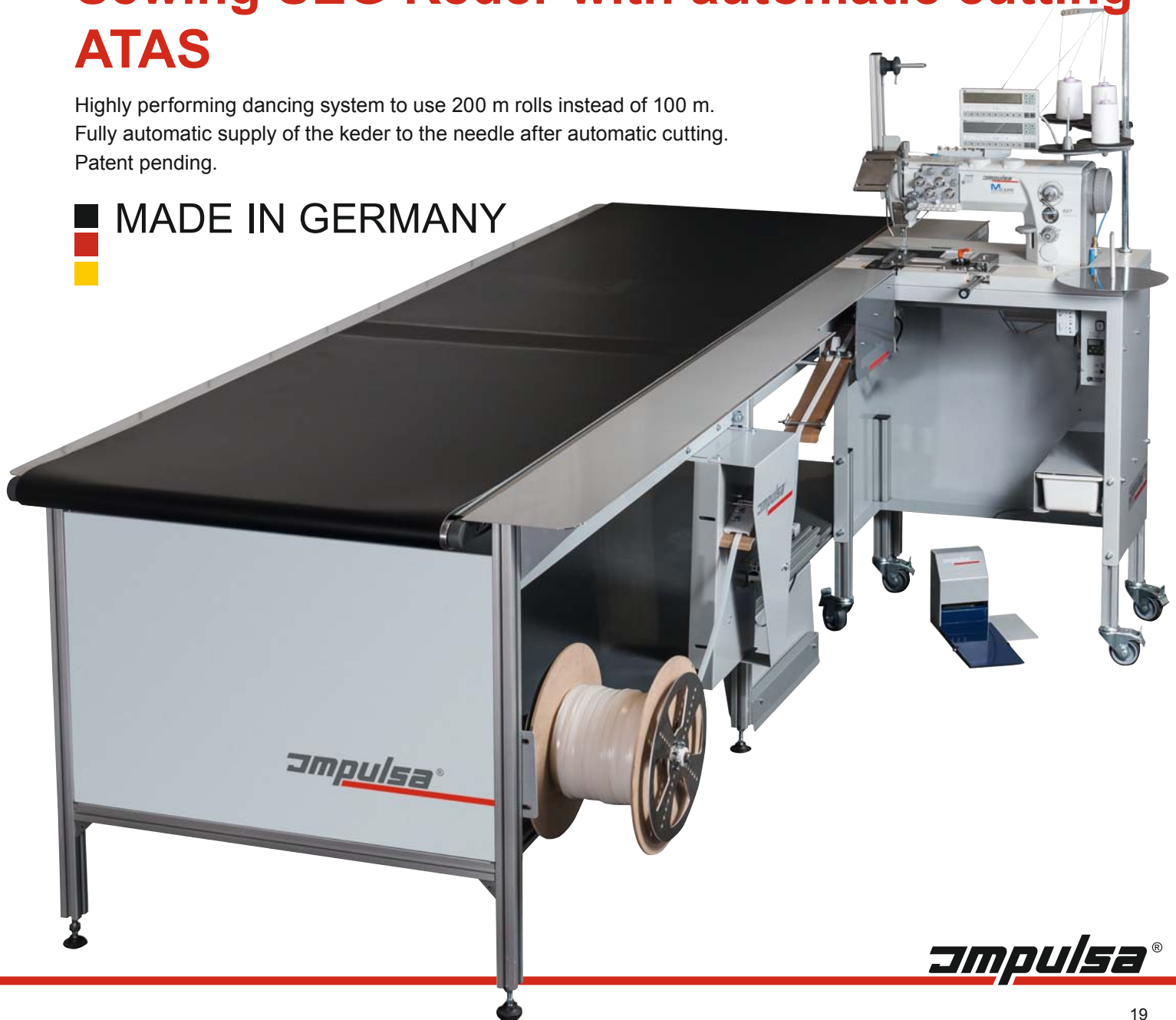


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Sewing SEG Keder with automatic cutting ATAS

Highly performing dancing system to use 200 m rolls instead of 100 m.
Fully automatic supply of the keder to the needle after automatic cutting.
Patent pending.

■ MADE IN GERMANY



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Automatic cutting without stop while sewing saves 50% and more time!

How to use the ATAS:

- just place the material to be sewn on the conveyor
- feed easily into the sewing tool e.g. to sew SEG “Keder”
- start either with the regular pedal or use the longitudinal “kick pedal” – unique only by Impulsa, patent pending – for sewing controlled and continuously in any speed for beginners or specialists (easy to insert at the display)
- fabric is running continuously and synchronised through the sewing head
- do not forget: ATAS cuts during the sewing process without stop!
- machine detects material end and does the reverse stitching at the end as well as automatic thread trimming
- the SEG Keder will be presented automatically to the needle while the conveyor returns the fabric for the next operation
- no tiny cutting tool in front of the sewing foot. The machine provides an excellent and heavy cutting “guillotine” inside – no changing of blades necessary
- ATAS works in series with a twin step motor technology driving the SEG “Keder” transport instead of only one motor. This is unique on the market.
- We sew faster! **This is really ultimate!**



Synchromatic ATAS

unbeaten and unreached performance in SEG or PVC “Keder” manufacturing with automatic cutting during the sewing process without stop:

- or how to make a perfect keder.
- Frames are sold in an existing size. So you need a perfect and precise cutting as well as a sewing procedure which does not change the size needed.
- It is very important that the unwinding of the “Keder” does not stress the “Keder” – any tension influences the result on sewing.
- Especially on big rolls – if you cannot manage to prevent stress of the tape between unwinding and sewing, you won’t be successful, even the best sewing head won’t help.
- So we created different unwinding technologies either with or without “dancing systems” – for sili-con rubber tapes as well as for PVC – for small 50 m up to 200 m – for rolls with bobbin inside or for the open system without.
- Some “Keder” glue together, others do not. Now we have got a solution for all: **ATAS**

ATA motorised driven system

- dancing systems to feed the “Keder” stress free.

ATAS **NEW!** Automatic cutting!

2 dancing systems to handle the SEG Keder stress-free. First, the SEG Keder is pulled off into a relaxation loop, then brought in a sensor-controlled second loop by the 2nd stepper motor, which stores “relaxed, stress-free” SEG Keder for the sewing process and the exact cut.

- The **ATA** version is the basis for the patent-pending system for auto-cutting during sewing **ATAS**. Only this system guarantees exact cutting in the mm range, corners remain free.

Flexibility – newly developed sewing spring

- There are different “keder” on the market - you can use different keders as well during the lifetime of the machine. Use the “Nähfeder” for different tensions.
- You return the material for the next operation - automatically the keder runs to the needle meanwhile - so you are ready to sew.
- you program the size of the free corner according to the customer’s wishes or according to the elasticity of the keder.
- Automatic locking and thread trimming
- Up to 15 m per minute sewing speed.
- You can use any kind of SEG or PVC keder.
- Excellent price-performance ratio
- High productivity - so we need needle cooling to avoid that the thread is burning!

HIGH END SYNCHROMATIC_PLUS_ATAS

Other jobs you may do with Synchronomatic ATAS

- tape sewing like Velcro tapes
- binding
- round keder or flag keder sewing
- single hemming small for flags or even pole pockets
- sewing of PVC
- double hems
- tape unwinding with 2 dancing systems for unreached stressfree performance instead of a turning chair.
- Patented tape biasing device
- Tape guides at the sewing foot
- Several sewing heads for all demands
- 2 Servo motors + 2 step motors for the best result

- Sewing lights cold and energy saving
- Wheeled frame for easier cleaning under the sewing machine
- experience of 70 years in textile processing
- reels with core and reels without core



open reel



reel with core



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SYNCHROMATIC_PLUS_ATAS – AUTOMATIC CUTTING

This image shows the sewing synchronisation with ATAS.

- As you can see, even heavy rolls can be unrolled stress-free with or without core.
The first dancing system is located between unwinding left and motor-off device in the middle.
- A second dancing system provides further stress reduction of SEG keder between deduction and positioning.
Only this allows precise cutting.

Display for ATAS

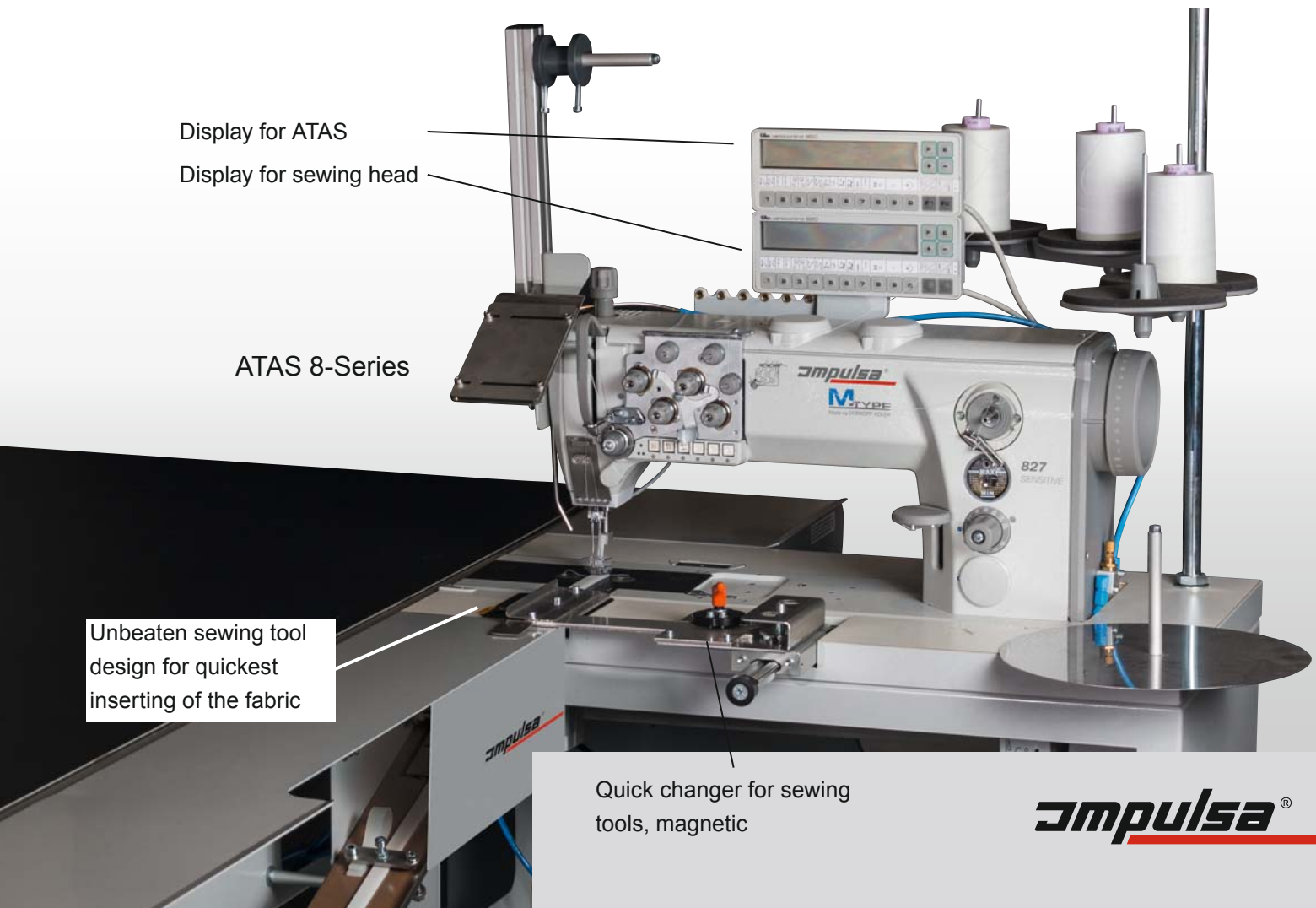
Display for sewing head

ATAS 8-Series

Unbeaten sewing tool
design for quickest
inserting of the fabric

Quick changer for sewing
tools, magnetic

Impulsa®



Art.no.	Equipment – NEW 2019: all these machines are with ATAS	
5.NA2570.1NG.	NEW! SYNCHROMATIC - 9110 - 2,4 m, 1-needle sewing head double feed, big hook system	
5.NA2570.274.	SYNCHROMATIC 274 DA with double feed and top wheel feed	
5. NA2570.2N.	SYNCHROMATIC 2570 2 needles big hook system	
5.NA2570.8..	SYNCHROMATIC 2570 2-needles – big hook system – DA 8-series	
5.NA2510.1NG.	SYNCHROMATIC - 9110 – 2,4 m, wide conveyor, 1-needle sewing head double feed, big hook system	
5.NA2510.274	SYNCHROMATIC 274 DA – 2,4 m, wide conveyor, with double feed and top wheel feed	
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5.NA5010.2N.	SYNCHROMATIC 5 m wide conveyor with WM series, 2-needle, 26 mm big bobbins	
5.NA5010.2N8	SYNCHROMATIC 5 m wide conveyor with DA 8 series, 2-needle, 26 mm big bobbins	
5.NA6070.2N.	SYNCHROMATIC 6 m conveyor with WM series, 2-needle, 26 mm big bobbin	
5.NA6070.8..	SYNCHROMATIC 6 m conveyor with DA 8 series, 2-needle, 26 mm big bobbin	
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	Accessories:	
	5.2200-NK	Needle Cooling
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	5.TTFEED	Top Tape Feed synchronised with conveyor and sewing head
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	.	prepared for ATAS

HIGH END SYNCHROMATIC_PLUS_ATAS

Art.no	Equipment
588.331.2-10	Single hemming tool on turntable holder, adjustable 20 to 100 mm, heavy fabrics
588.331.120	d.t.o. light fabrics
588.331.10	hemming tool on turntable holder 10 mm
588.330.25	Seamer 20 mm on linear guide for double hemming
588.33...x..	Binding tool e.g. 588.33.80x40 original tape width 80mm, also for bowes with horizontal tape unwinding device - for various tape widths, pls. request.
6.99-117995	Binding tool - dto. original tape width ... mm and final width ... mm
588.331.FBF	Fleece band guidance from below changeable 20-50mm on linear guide on turntable holder
588.331.FKF	SEG keder tool 3mm adjustable on a linear guide or turntable holder
588.331.FKF5	dto. for 5mm strong SEG keder on linear guide or turntable holder
588.331.RK	Flag „Keder“ – round „Keder“ sewing tool on quick changer
588.332.KL	Edge guide air supported for sewing of SEG
5.NA300.EFB	Rolling device for tapes and binding tapes, supplied from below
588.332.K2N5	EDGE ADJUSTABLE STROKE
5.23.CD00100	moving mouse für hem guidance - clamping longitudinal by needle
588.230	quick changer for linear guide
588.330.40	40 mm hemmer changeable, 3 x 1,5 double hemming 40 mm
588.330.60S	60 mm hemmer medium, 3x1,5 double hemming 60 mm
588.330.100	100 mm hemmer changeable, 4 x 2 double hemming 100 mm
6.A-1486s	magnetic lineal guide
6.F134x67	Binding tool 134x67 mm for black ban
6.F100X50X..	Binding tool 100x50 mm
6.F12X60X2	Binding tool 120x60x1,8 mm
6.F138-50-15	Binding tool 138x50x15 mm
6.F20-10X1.8	Binding tool 20x10 mm
6.F50-25X1.8	Binding tool 50-25x1,8 mm
6.F80-40	Binding tool 80-40x2 mm

OTHER APPARATURES ON DEMAND