

100% Germany



MAS 2545

Special high-speed sewing machine with triple feed and vertical hook



Mauser Spezial

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The MAS 2545 is available in the following versions with varying equipment:

MAS 2545R	MAS 2545S	
●		Vertical hook, large (for threads up to size 10/3 syn.)
○		Vertical hook, XXL extra large (for threads up to size 10/3 syn.)
	●	Thread trimmer, < 13 mm thread ends (-900/81)
	○	Thread nipper, controlled (-909/12)
●	●	Presser foot lift, electro-pneumatic (-910/04)
●	●	Manual backtacking with hand lever
●	●	Automatic backtacking, electro-pneumatic (-911/35)
●		1 pre-selectable stitch length
	●	2 pre-selectable stitch lengths, alternately switchable
●	●	Top feed stroke is manually adjustable up to 9 mm
	●	2 top feed strokes are manually adjustable, alternately switchable
●	●	Unison feed with height adjustment of the bottom feeder
●	●	Oil-Level indicator
	●	Oil-Level indicator on the display, with warning light on sewing head
●	●	Sewing feet pressure, manually adjustable
●	●	DC motor
●	●	DC motor MA74 ED-L*
●	●	Control panel BDF-PicoTop
●	●	Bobbin thread monitor with stitch counter and LED display
●	●	Integrated panel with multi-function buttons & programmable multi-switch
●	●	Built in LED sewing light in the machine head, dimmable
●	●	Bobbin thread winder
●	●	Attachment slide, holder
●	●	Overload safety clutch

- standard
- option

* Necessary for thread trimmer, backtacking, thread nipper, presser foot lift, 2 switchable stitch lengths, 2 switchable top feed strokes

Version	Product profile
MAS2545-R -6/14-CLN9	<p>Special single-needle high-speed seamer with unison feed (lockstitch)</p> <ul style="list-style-type: none"> ▲ Large vertical hook for threads up to 10/3** ▲ Top feed stroke up to 9 mm, presser foot lift up to 20 mm, stitch length up to 12.0 mm ▲ Max. sewing speed 3,800 stitches/min. ▲ Overload safety clutch
MAS2545-R -6/14-900/81-909/14 -910/04-911/35-CLN9	<p>Special single-needle high-speed seamer with unison feed (lockstitch)</p> <ul style="list-style-type: none"> ▲ Large vertical hook for threads up to 10/3** ▲ Thread trimmer, automatic presser foot lift, automatic backtacking device electro-pneumatically controlled ▲ Second thread tension electro-pneumatically controlled ▲ Adjustable top feed stroke up to 9 mm without quick change stepping control with automatic speed setting ▲ Presser foot lift up to 20 mm, 1 stitch length up to 12.0 mm ▲ Max. sewing speed 3,800 stitches/min. ▲ Drive at buyer's choice: DC motor MA74 ED-L or DC motor EFKA MA321 A DC 1550 ▲ Overload safety clutch
MAS2545-S -6/14-900/81-909/14 -910/04-911/35-CLN9	<p>Special single-needle high-speed seamer with unison feed (lockstitch)</p> <ul style="list-style-type: none"> ▲ Extra large vertical hook with 70% more thread capacity, for threads up to 10/3** ▲ Thread trimmer, automatic presser foot lift, automatic backtacking device electro-pneumatically controlled ▲ Second thread tension electro-pneumatically controlled ▲ Adjustable top feed stroke up to 9 mm without quick change pneumatically with automatic speed setting ▲ Presser foot lift up to 20 mm, 1 stitch length up to 12.0 mm ▲ Max. sewing speed 3,400 stitches/min. ▲ Drive at buyer's choice: DC motor MA74 ED-L or DC motor EFKA MA321 A DC 1550 ▲ Overload safety clutch

* further on request

** depending on parts set



Decorative ornamental stitching in the automotive industry

Application:
Ornamental stitching on centre section of back rests

Parts sets / attachments:
parts kit 6/14 C N9



Lap-felling seams in the automotive industry

Application:
One-sided top-stitching of the assembly seam for seat section and attached head-rest on front car seat

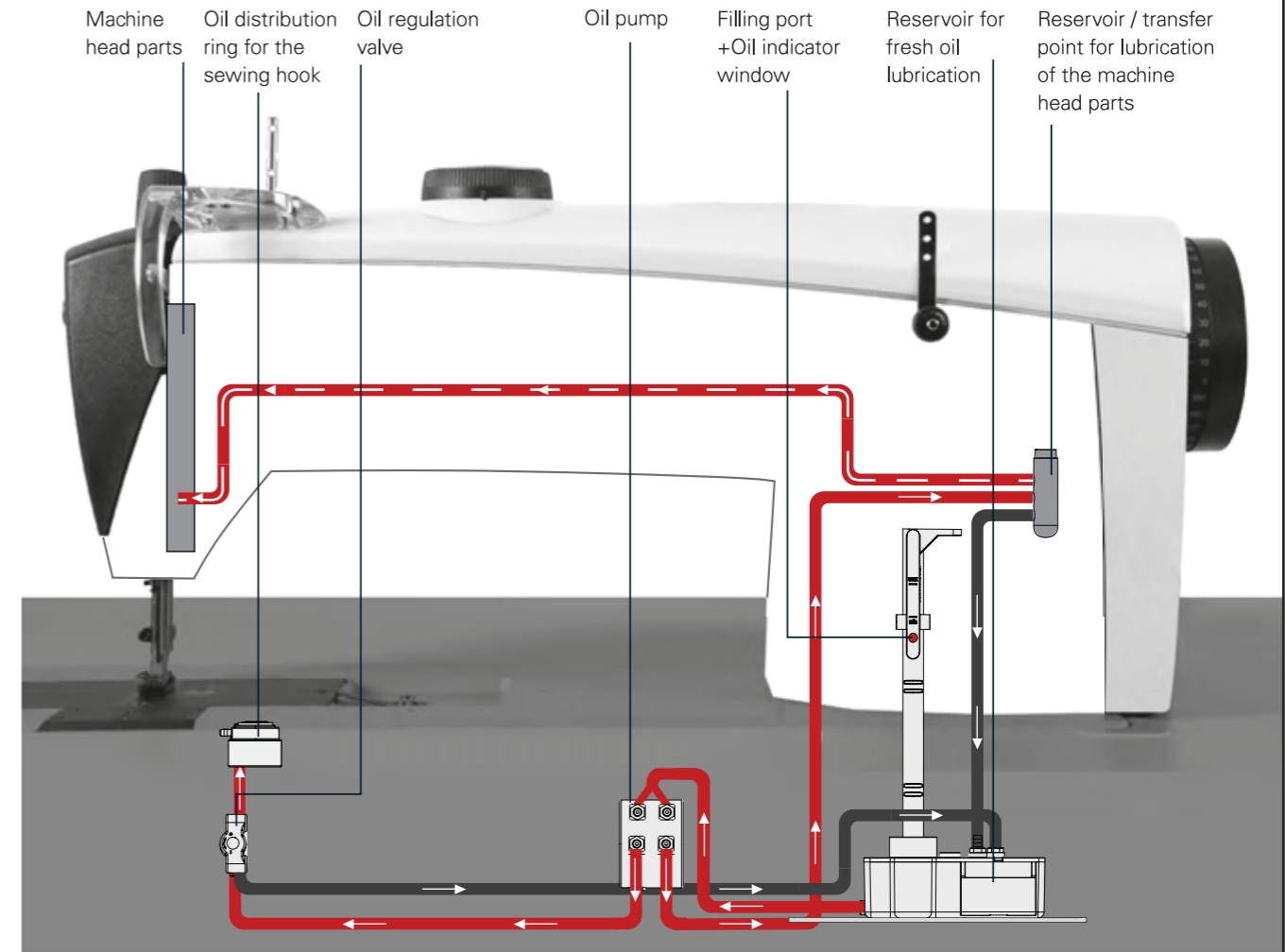
Parts sets / attachments:
parts kit 6/14 C N9
+ edge guide (91-156-765-91)




Closing seams/assembly seams during pre-assembly work in the automotive industry

Application:
Attaching the side sections to the centre seat sections during pre-assembly of high-quality car seats

Parts sets / attachments:
parts kit 6/14 C N9
+ edge guide (91-156-763-91)

New lubrication system for accurate adjustment of the fresh oil supply to the hook.
Prevents oil leakage (soiling of workpiece).



 Wick
 Oil supply
 Oil return

From left to right:

Reverse sewing/intermediate backtacks

Needle position change (w/o trimming)

Recall preset top feed lift and adding second thread tension (programmable)

Backtack on/off

Recall preset stitch length

Second thread tension switched on / Switch for threading position (all pedal functions are blocked)

Safety switch:

Brings the machine in threading position and blocks all pedal functions. This prevents the operator from accidentally starting the machine and adds an additional safety feature.

From top to bottom:

Oil level warning

Programmable **multi-switch**

Functions, which are needed for the current sewing application, can be transferred to the soft switch (multi function switch) on the sewing head





- ▲ **Bobbin winder**
Equipped with an aid for a secure and fast start of the bobbin winding process and within easy reach of the operator ("winding assistant")
- ▲ **Top feed stroke adjustment**
Guarantees quick and accurate adjustment of the first and second top feed stroke. Adjustments are made in small increments.
- outer dial: up to 5 mm stroke
- inner dial: up to 9 mm stroke
- ▲ **Thread nipper**
Ensures a neat seam start (no thread tail on top of the work piece)
- ▲ **LED light**
Integrated in the sewing head
- ▲ **Increased top feed stroke**
Up to 9 mm
- ▲ **Clearance under the sewing foot**
Up to 20 mm
- ▲ **Hook saddle / Thread trimmer**
Reliable and excellent cutting performance: Threads up to 10/3 (metric) can be cut without any problems.
- ▲ **Large clearance**
Under the machine arm of 345 x 120 mm.
- ▲ **Scale disk**
an adjustment aid for the mechanic:
Needle bar rise; Needle height; Take-up lever



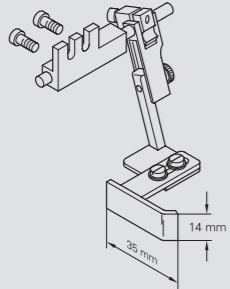
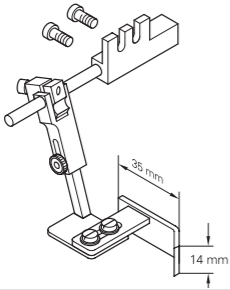
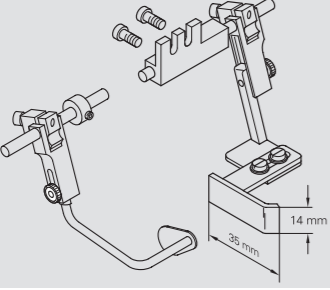
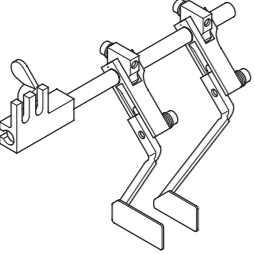
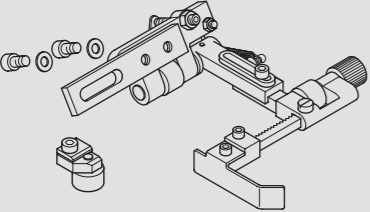
Parts kit	Seam construction	Operation
-6/14 N (N = 6 mm) C medium weight material D heavy weight material		Standard parts kit for all types of sewing work, e.g.: · Closing seams · Edge sewing work on fitted covers · Fancy seams
-6/14 N9 (N9 = 9 mm) C medium weight material D heavy weight material		
-6/14 N12 (N12 = 12 mm) C medium weight material D heavy weight material		
-2/04 N (N = 6 mm) C medium weight material Top-stitch width: 1.5 (standard), 2, 3, 4 mm		Work on right edge e.g. · Attaching fastening sections · Sewing zip on one side
-3/04 N (N = 6 mm) C medium weight material Top-stitch width: 1.5 (standard), 2, 3, 4 mm		Work on left edge e.g. · Attaching fastening sections · Sewing zip on one side
-6/01 N (N = 6 mm) C medium weight material		Standard, feeding optimized, parts set especially for applications where seam control is of utmost importance, e.g.: · Closing seams · Fancy seams
-6/01 N9 (N9 = 9 mm) C medium weight material		
-6/01 C N-900/82 (N = 6 mm) C medium weight material		Standard, feeding optimized, parts set especially for applications with thread trimmer for short thread ends (-900/82), e.g.: · Closing seams · Fancy seams (Top-stitching work)
-6/01 C N9-900/82 (N9 = 9 mm) C medium weight material		
-6/07 N (N = 6 mm) C medium weight material		Closing seams, topstitching work on edges with cross seams (Climbing parts set)
-6/07 N9 (N9 = 9 mm) C medium weight material		Closing seams, topstitching work on edges with cross seams (Climbing parts set)

Feed dog	Needle plate	Top feeder	Presser foot
91-159 026-04/002 (CN) 91-159 026-04/003 (DN)	91-150 919-25 (CN6/DN6) 91-150 920-25 (CN9/DN9) 91-150 921-25 (CN12/DN12)	91-049 394-93/003 (CN) 91-049 394-93/011 (DN)	91-149 262-91 (CN6/DN6) 91-149 264-91 (CN9/DN9) 91-149 266-91 (CN12/DN12)
91-159 027-04/... * 91-159 039-04/002 (4 mm)	91-150 935-24/... *	91-049 394-93/... *	91-149 268-93/... *
91-159 030-04/... * 91-159 039-04/002 (4 mm)	91-150 936-24/... * 91-150 935-24/004 (4 mm)	91-049 408-93/... * 91-049 394-93/003 (4 mm)	91-149 270-93/... *
91-159 039-04/002	91-150 935-24/004 (CN) 91-150 922-25 (CN9)	91-049 394-93/003	91-149 262-91 (CN) 91-149 264-91 (CN9)
91-159 084-93	91-501 812-25 (CN) 91-501 734-25 (CN9)	91-149 318-93	91-149 332-91 (CN) 91-149 334-91 (CN9)
Knife 91-501 738-05			
91-159 026-04/002	91-150 919-25 (CN) 91-150 920-25 (CN9)	91-049 394-93/003	91-049 772-93/032




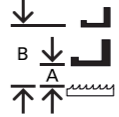
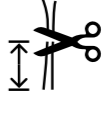


* Size required!


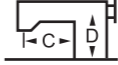



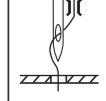
Parts kit	Seam construction	Operation
-6/13 N9 (N9 = 9 mm) C medium weight material		Closing seams on quilted covers
-40/12 N9 (N9 = 9 mm) C medium weight material for piping sizes from 5 ; 6 ; 7 ; 8 ; 9 mm (standard: = 7 mm)		Piping work: side adjustment of feed dog for pre-piping and piping work
-40/14 N9 (N9 = 9 mm) C medium weight material for piping sizes from 3 ; 4 ; 5 ; 6 ; 7 ; 9 ; 11 mm (standard: = 5 + 7 mm)		Piping work: pre-piping and piping work
-113/05 N9 (N9 = 9 mm) C medium weight material Top-stitch width: 3 ; 3.5 ; 4 ; 4.5 mm (standard: = 3.5 mm) (in connection with edge guide: 91-156-765-91)		Top-stitching and closing Seam on one side
-17/01-650/03 N9 (N9 = 9 mm) (without binder) C medium weight material Binding width: 5 ; 10 ; 15 mm		Binding work (on customers request)







Feed dog	Needle plate	Top feeder	Presser foot
91-159 026-04/002 	91-150 920-25 	91-149 215-93/001 	91-149 275-91
91-159 038-04/001 	91-150 850-25 	91-049 402-93/... * 	91-049 782-93/... *
91-159 026-04/002 	91-150 920-25 	91-149 217-93/... * 	91-149 169-93/... *
91-159 039-04/002 	91-150 922-25 	91-149 280-93/... * 	91-149 278-93/... *
91-159 050-05 	91-150 979-25 	91-049 491-93/... * 	91-149 303-93/... *
* Size required!	other parts -17/01 91-170 363-15 91-170 364-15 91-501 742-25	Attachment holder -17/01 91-156 269-90 	Tape holder -17/01 91-043 943-70/895

Edge guide	Parts No.	Suitable for parts kit
	91-156 763-91	-2/04 -6/07 -6/13 -6/14 -40/14
	91-156 764-91	-3/04 -6/07 -6/13 -6/14
	91-156 765-91	-6/07 ** -6/13 ** -6/14 ** -113/05
	91-156 767-91	-2/04 -6/07 -6/13 -6/14
	91-156 768-91	-2/04 -6/07 -6/13 -6/14 -40/14

** feet have to be adapted

	 Single needle	 Max. sewing speed	 Max. stitch length	 Top feed stroke (A) and fabric clearance (B)	 Remaining thread length after cutting in mm	 -System	 -Nm
MAS2545-R-6/01-CLN9	●	3,800/s.p.m.	9mm	A: 9mm B: 20mm		134 - 35	90 - 180
MAS2545-R-6/01-900/81 -909/14-910/04-911/35-CLN9	●	3,800/s.p.m.	9mm	A: 9mm B: 20mm	≤ 13	134 - 35	90 - 180
MAS2545-S-6/01-900/81 -909/14-910/04-911/35-CLN9	●	3,800/s.p.m.	9mm	A: 9mm B: 20mm	≤ 13	134 - 35	90 - 180

	 Nm Thread size metrical number (Nm)	 Arm clearance in mm	 Vertical hook large	 Bottom feed, needle and alternating unison feed	 Thread trimmer	 Thread nipper
MAS2545-R-6/01-CLN9	80/3 - 10/3	C:345 × D:120	●	●		
MAS2545-R-6/01-900/81 -909/14-910/04-911/35-CLN9	80/3 - 10/3	C:345 × D:120	●	●	●	○
MAS2545-S-6/01-900/81 -909/14-910/04-911/35-CLN9	80/3 - 10/3	C:345 × D:120	●	●	●	○

	 Presser foot lift	 Automatic backtacking	 Control for two different stitch lengths	 Top feed lift adjustable by knob	 Top feed lift pre-selectable and recallable by knuckle switch, with automatic speed limitation	 Top feed lift adjustable by knob with automatic speed limitation
MAS2545-R-6/01-CLN9				●		
MAS2545-R-6/01-900/81 -909/14-910/04-911/35-CLN9	●	●				●
MAS2545-S-6/01-900/81 -909/14-910/04-911/35-CLN9	●	●	●		●	

● standard
○ option