



# MAUSER

S P E Z I A L



## MA 2081 / 2083

Intelligent, Fast, Powerful and Reliable  
semi dry or fully dry High Speed machine

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### High speed sewing with new design

Complex assembly work is not required. The machine is supplied ready for use. The quiet running of the low-vibration machines is one of the outstanding features. The built-in drive unit, AC-SERVO, transmits the power directly (direct drive) to the machine and guarantees a 50% reduction of the power consumption compared to conventional drive units.

The machine works with very low thread tension settings. The needle bar stroke can be changed from 30 to 36 mm, which is an absolute requirement for sewing an extremely wide range of materials.

In addition, the new design makes the MA 2083 to an outstanding machine providing efficient and valuable benefit to every factory dealing with textiles.

### Main classes

#### MA 2081

High-speed seamer with compound feed and an optimized hook and needle bar lubrication.

It can sew top quality seams at a maximum speed of 5,500 s.p.m.

#### MA 2083

High-speed seamer with drop feed and an optimized hook and needle bar lubrication.

It can sew top quality seams at a maximum speed of 5,500 s.p.m.

#### All machines are available as "D-Version"

The MA 2081/83-D is equipped with a totally dry head and a maximum sewing speed of 4000 s.p.m.

### Available subclasses

- 909/14 Controlled thread nipper for neat seam start
- 731/01 Side cutter
- 900/24 Thread trimmer
- 910/06 Automatic presser foot
- 911/37 Backtacking mechanism

Type	Large hook	Part set	Versions	Side Cutter	Thread trimmer	Controlled thread nipper	Controlled presser foot	Backtacking mechanism	Bobin thread monitor	Control panel
2081		8/11	B, N 4.5	○	○	○	○	○		BDF-S2
		8/11	B, N 4.5		○	○	○	○	○	BDF-S2
		8/13	C, N		○	○	○	○		BDF-S2
	G	8/13	C, N		○	○	○	○		BDF-S2
		34/11	A, N 3.0		○	○	○	○	○	BDF-S2
2083		8/31	B, N 4.5	○	○	○	○	○		BDF-S2
		8/31	B, N 4.5		○	○	○	○	○	BDF-S2
		8/33	C, N		○	○	○	○		BDF-S2
	G	8/33	C, N		○	○	○	○		BDF-S2
		34/31	A, N 3.0		○	○	○	○	○	BDF-S2
		8/44	B, N 4.5		○	○	○	○	○	BDF-S2

For use of extremely wear resistant components guaranteeing quality, flexibility and sewing speed

## Special Features

- High flexibility due to the adjustable needle bar stroke (30 to 36 mm)
- Up to 13 mm presser foot clearance (with 36 mm needle bar stroke)
- Eccentric for tilting the feed dog
- Concealed cable guide integrated in the sewing head
- Knife/catcher change for the thread trimming device without readjustment
- Integrated bobbin thread winder
- Large "horizontal hook" with increased bobbin thread capacity of 50% and reduced number of bobbin changes (optional)
- One machine for all material thicknesses
- Up to 6 mm stitch length – forward and reverse (optional)
- Integrated solutions for presser foot lift, back tacking mechanism without compressed air
- Computer-optimized kinematics of take-up lever, feed dog and needle bar motion
- Interface for PC-connection for communication/network and software downloading

Optimized hook- and  
needle bar lubrication

Extended needle to  
arm space of 300 mm



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### Technical Data

<b>Max. Stitch length</b>	6 mm
<b>Max. Fabric clearance</b>	13 mm
<b>Stitch type</b>	301 (lockstitch)
<b>Needle system</b>	134 (DBx1)
<b>Needle Size</b>	A-Version: max. 80 B-Version: max. 100 C-Version: max. 140
<b>Needle bar stroke</b>	Adjustable to 30 or 36 mm
<b>Connection Voltage</b>	Single-phase a.c., 230V, 50/60 Hz
<b>Power input</b>	0.4 KW



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