

HM830

The next step in binding



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When binding operations get more challenging and customers get more demanding, conventional binding machines just don't do the trick. Turn to Habraken for the solution and take the next step in mechanically driven binding.

Unique design

The HM830 triple transport binding machine is based on a completely new design. This model is unique because the differential binder mechanism does not fill the right-hook area. This allows us to build the HM830 with the hook on the right side of the needle. This tackles and solves all the disadvantages of the more conventional left-hook models. The benefits of this design includes low-tension sewing, and better overall seam quality due to the natural kinematics of the machine. You no longer need an S-twisted top thread.

The unique mechanism allows for tension-free application of binding tape because the binder moves away from

the needle at the right time and pulls just enough extra binding tape before the next stitch is made. Curves are sewn while the binder moves along with the transport, staying as close to the needle as possible.

Easy to automate

Based on Dürkopp Adler's M-type flat-bed machine range, the HM830 can be delivered both as a single- and double needle version with an XL or XXL hook system. The activation of the differential binder system can be done via a designated push button on the machine head or via a knee switch underneath the table. We recommend however to use the optional HM-MEF mechanical edge follower. This HM-MEF will automatically detect the outside and inside corners. Depending on the chosen program the HM830 will then automatically activate and deactivate the differential binding system settings to automate the process of switching between straights and curves.

For even more complex binding operations there is an optional HM 2nd stroke system. this system is a to set a second differential binding stroke setting for even better quality.

For more information, please contact:

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- The HM830 is a machine for attaching binding tape mostly on car carpets, home carpets but can also be used for other medium duty binding applications.
- The HM830 can be supplied in single and double needle version.
- The HM830 can be supplied in short and long arm version.
- The HM830 gives you the highest quality medium duty binding.

HM830 - the technical data

	[mm] max.	Stitches/ min. [min ⁻¹] max.	Material	Material												[mm]**
				[mm]												
HM830-867-190122	9	2.500*	M, MS	●			●	●	● L		●			●	● 15 mm	● Ma
HM830-867-190142	9	2.500*	M, MS	●			●	●		● XXL	●			●	● 15 mm	● Ma
HM830-867-190322	9	2.500*	M, MS	●			●	●	● L			●		●	● 15 mm	● A
HM830-867-190342	9	2.500*	M, MS	●			●	●		● XXL		●		●	● 15 mm	● A
HM830-867-290322	9	2.500*	M, MS		●	3-6	●	●	● L			●		●	● 15 mm	● A
HM830-867-290342	9	2.500*	M, MS		●	3-6	●	●		● XXL		●		●	● 15 mm	● A
HM830-867-190120	9	2.500*	M, MS	●			●	●	● L			●	● P			● Ma
HM830-867-190140	9	2.500*	M, MS	●			●	●		● XXL		●	● P			● Ma
HM830-867-290120	9	2.500*	M, MS			3-6	●	●	● L			●	● P			● Ma
HM830-867-290140	9	2.500*	M, MS			3-6	●	●		● XXL		●	● P			● Ma

	[mm]		[mm]	[NL]		[bar]		[mm]		- System	- Nm	Nm	Synthetic	Core thread
	A	B		C	D	min/max	min/max							
HM830-867-190122	10	20	9,0	0,6	6	335	125	134-35	90-180	80/3-10/3	80/3-10/3			
HM830-867-190142	10	20	9,0	0,6	6	335	125	134-35	90-180	80/3-10/3	80/3-10/3			
HM830-867-190322	10	20	9,0	0,7	6	335	125	134-35	90-180	80/3-10/3	80/3-10/3			
HM830-867-190342	10	20	9,0	0,7	6	335	125	134-35	90-180	80/3-10/3	80/3-10/3			
HM830-867-290322	10	20	9,0	0,7	6	335	125	134-35	90-180	80/3-10/3	80/3-10/3			
HM830-867-290342	10	20	9,0	0,6	6	335	125	134-35	90-180	80/3-10/3	80/3-10/3			
HM830-867-190120	10	20	9,0			335	125	134-35	90-180	80/3-10/3	80/3-10/3			
HM830-867-190140	10	20	9,0			335	125	134-35	90-180	80/3-10/3	80/3-10/3			
HM830-867-290120	10	20	9,0			335	125	134-35	90-180	80/3-10/3	80/3-10/3			
HM830-867-290140	10	20	9,0			335	125	134-35	90-180	80/3-10/3	80/3-10/3			

- M = Medium weight material
- MS = Medium weight to heavy weight material
- = Standard equipment
- = Optional equipment
- MA = Manual
- A = Automatic
- * = The maximum number of stitches depends on the preselected stroke height and the selected stitch length
- ** = Remaining thread length [mm]
- *** = Depending on subclass / motor

	Nominal voltage	Power consumption	Weight, sew. head***	Dimensions (Length, Width, Height)
867	[V], [Hz] 1x230 V, 50/60 Hz / 3x380 - 410 V, 50/60 Hz	[kVA] max. 1	[kg] 68 - 74	[mm] 1.060 600 1.700

Stitch length	Single needle	Twin needle	Twin needle, needle distance	Lockstitch	Bottom feed, needle feed and alternating feet	Vertical hook, large (L)	Vertical hook, extra-large (XXL)	Sewing foot lift, actuated by knee	Sewing foot lift, automatic	Stroke of the alternating sewing feet	Foot stroke adjustable by dial
Clearance C = 335 mm D = 125 mm	Threads: Types and thicknesses	Automatic seam backtacking and thread trimmer	Additional thread tension: Ma = Manual, A = Automatic	Needle system	Needle size	Automatic sewing foot lift / Foot stroke adjustable by dial with simultaneous automatic speed limitation	Automatic sewing foot lift / Control for two feed lengths / Quick stroke adjustment via knee switch and foot stroke adjustable by dial with simultaneous automatic speed limitation according to the foot stroke and feeding length				



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