

Adapter for the use of the DA321G5321 as a replacement for DA720V/DA820V

Field of Application

EFKA DA321G5321 controllers as a replacement for DA720V/DA820V on machines with RP20 potentiometers for high lift for walking foot built before 1998.

The adapter enables the use of the DA321G controller on older Dürkopp Adler sewing machines in the 467/767 classes in which the RP20 was used as the high lift for walking foot potentiometer.

The connection is detected by a selection resistor in the adapter.

In order to activate appropriate preset values for the machine class, the corresponding mode must simply be selected with parameter 290.

As an option an adapter cord for connection of the switch for high lift for walking foot is available in the section Special Accessories (see overleaf).



Configuration instructions for high lift for walking foot for older Dürkopp Adler sewing machines (class 467/767)

Parameter	Designation	Unit	max	min	Preset	Ind.
501	High lift for walking foot - measurement value of potentiometer for minimum lift		255	0	Machine-dependent	
502	High lift for walking foot - measurement value of potentiometer for maximum lift		255	0	Machine-dependent	
503	MP2 Selecting the potentiometer used 0 = MP20 pot, standard on machines built in 1998 or later 1 = RP20 pot, standard on machines built before 1998		1	0	0	
117	n10 High lift for walking foot speed limitation	RPM	6000	400	Machine-dependent	

Use parameter 503 = 1 to select the RP20 pot for machines up to 1998. Parameter 188 then has no effect. Parameter 501 is used to program the value for the minimum lift, and 502 for the maximum lift.

Proceed as follows:

Select parameter 501!

Set the handwheel for a high lift for walking foot to minimum lift.

1x	E	Potentiometer value currently 114, with 112 stored.	→	F-501 114 112
1x	+	Potentiometer value 114 taken.	→	F-501 114 114
1x	E	Next parameter displayed. Potentiometer value currently 114, with 055 stored.	→	F-502 114 055
		Set the handwheel for a high lift for walking foot to maximum lift. Actual Potentiometer value 057.	→	F-502 057 055
1x	+	Potentiometer value 057 taken.	→	F-502 057 057
2x	P P	End of programming. The maximum speed and the type of control are displayed.	→	3500 DA321G

Scope of supply and mechanical dimensions overleaf

Scope of Supply	Material No.
Adapter cord DA321G... to DA class 467, 767 with panel jacks in housing and about 80 cm connection cable and plug	1113777

Special Accessories	Material No.
Adapter cord to connect a knee switch with a 3-pin Hirschmann connector to the Western connector (RJ11) of the controller	1113693

Mechanical dimensions

