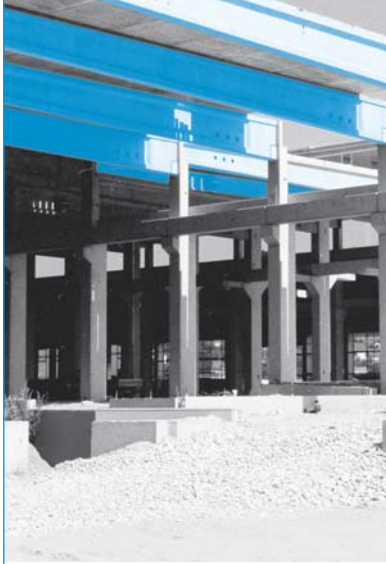


P R E S T R E S S E D
C O N C R E T E
T E C H N O L O G Y



Greater efficiency in the factory

Electric Pushing Machine

Pushing of prestressing steel directly into moulds,
reinforcements and guide channels

Electrically driven version primarily for application
in prestressed concrete factories

EASY AND FLEXIBLE USE

Pushing and cutting



The wire/strand pushing machine is generally supplied in combination with a heavy-duty steel cutter. Both units are mounted on a trolley, which considerably simplifies their handling in the factory or construction site (see cover picture).

In the relevant version, the required length of prestressing steel can be preselected. On reaching this length the automatic shut-off function will automatically stop the feed process.

Portable version

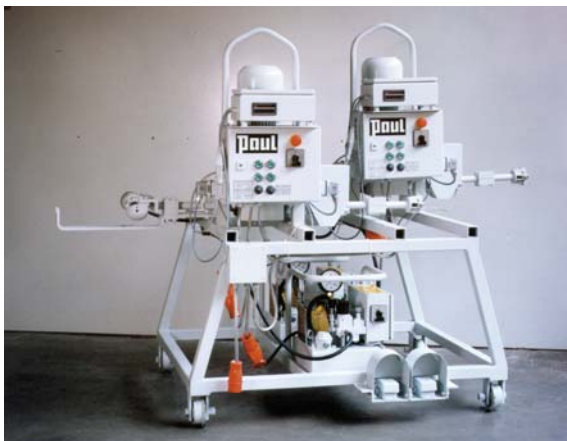
The version with carrying handles can be lifted easily by two men. It can be fixed in various positions (floor, support frame, mould) using bolts.

(Details on request.)



TWO WIRES/STRANDS SIMULTANEOUSLY

Efficient pushing



This version was designed for the simultaneous pushing of two wires/strands into the mould. The two pushing machines can be controlled independently.

The complete unit can be displaced transversely to the casting bed.

RADIO CONTROL

Remote control for one-man operation

With the aid of a radio control terminal, the pushing machine can be used by a single operator. The range of the radio control is at least 80 meters, allowing the operator to move a long distance away from the machine to monitor the pushing operation (see brochure B 106.18/1).

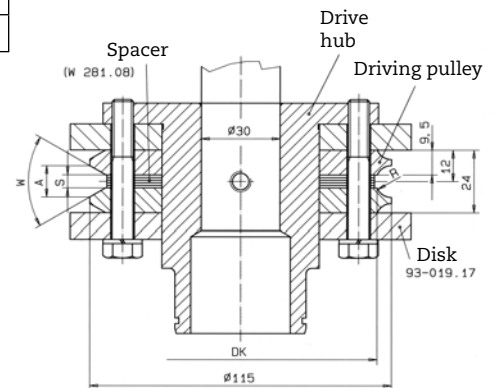
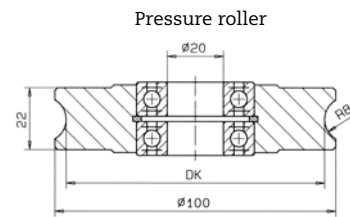


Transport rollers

Prestressing steel ∅	Driving pulleys				Pressure rollers		
	Order No.	DK (mm)	R/W (mm/°)	S (mm)	Order No.	DK (mm)	R/W (mm/°)
4 - 9 mm	93-019.21	111	90°	3	93-019.44	100	-
7 - 13 mm				5			
6 - 9 mm	93-019.18	103	60°	1	93-019.44	100	-
7 - 11 mm				3			
10 - 13 mm				5			
5/16"	93-019.19	104	6	1	93-019.44	100	-
3/8" + 7/16"	93-019.19	104	6	3	93-019.22	95	6
7/16" + 1/2"				5			
0.6"	93-019.42	103	7.5	5	93-019.43	92	8
3/8" - 1/2"	93-019.76	103	6.3	-	93-019.22	95	6
1/2" - 0.6"	93-019.48	101	7.5	-	93-019.43	92	8

The size "S" is set using the spacers. In case of drive pulley wear, central spacers can be removed and positioned at the outside.
Caution: Ensure adherence to the sizes 12 mm and 24 mm.

Spacers 1 mm thick: Order no. W 281.08.



RP 6 EMO RP 6 EMA

Automatic pushing machines

For the automatic pushing and cutting of prestressing steel, we offer model RP 6 EMO for mobile application and RP 6 EMA as a stationary unit.

Both machines are PLC-controlled, fitted with 6 driving rollers and a hydraulic cutter and are equally suitable for solid round wires or strands.

The standard pushing speed is 1 m/s, optional 2 m/s. The control desk is equipped with a length counter, piece counter and selector switch for manual or automatic operation.

The RPP-RP-6 brochure contains more detailed information.

Basic machine

	Order No.
Basic version without transport rollers, suspension fixture, fixture for cutter, push-button control unit and carrying handle trolley; Wire dia. 4 - 16 mm; Pushing speed 0.25 / 1.0 m/s forward/reverse Motor output 0.37 - 1.5 kW *) without spring pressure brake, weight 65 kg	93-019.00
As basic version but with spring pressure brake	93-037.00
As basic version but with pushing speed 0.33 / 2.0 m/s Motor output 0.33 - 2.0 kW *) without spring pressure brake	93-041.00
Generally used for pushing into guide channels and cable ducts:	
As basic version but with pushing speed 0.6 / 2.5 m/s Motor output 0.37 - 2.0 kW *) with spring pressure brake	93-031.00
As basic version but with pushing speed 0.6 / 3.6 m/s Motor output 0.5 - 3.0 kW without spring pressure brake max. length of tendon approx. 90 m	93-041.01

Other versions on request

Operation

	Order No.
Push-button control for basic machine with spring pressure brake Dimensions (L x W x H) 600 x 200 x 400 mm Weight 15 kg	93-022.00
Push-button control but for basic machine without spring pressure brake up to 3 kW but for basic machine without spring pressure brake up to 4.5 kW	93-030.00 93-030.19
Remote control complete with control box with 4 push-buttons and 40 meter oil-resistant cable for connection to push-button control; Weight (including cable) 8 kg	93-023.00
Remote control (ditto) but without cable Weight 2 kg	93-025.00
Cable for remote operation up to 40 m for remote operation from 40 m	24-127.05 24-130.10
Holder for push-button control If trolley 93-021.00 is ordered, this holder is no longer necessary.	93-019.36

*) each 400 V, 50 Hz

Accessories

	Order No.
Suspension fixture Threaded bolt for suspension or positioning the basic machine with lock nut Tapered nut Carrying handles for basic machine transport	93-019.13 93-019.12 93-019.26
Trolley mobile, for suspension of the basic machine Basic machine height adjustable using winch from 50 to 1500 mm, with fixing bracket and clamps, including support platform for pump unit Weight 65 kg	93-021.00
Digital length counter for preselection of pushing length with two changeover contacts for automatic feed stop. The counter measuring wheel is fastened at the wire guide pipe and the switch box at the push-button control. Weight 15 kg	93-039.46
Length counter without automatic shut-off Weight 13 kg	93-029.00
End stop for mounting on the guide channel 50 x 50 mm or 50 x 40 mm with limit switches for automatic shutdown of the wire feed including 40-meter cable Weight 30 kg	93-028.00
Threading device for simple pushing between slack wires, for placing onto the prestressing steel Aluminium dia. 35 x 220 mm Hardwood dia. 50 x 500 mm Other dimensions on request	93-019.34 93-019.50
Roller guide with easy-running rollers for improved wire guidance at the pipe mouth, for 5 mm dia. wires to 20 mm dia. strands, for attachment on the basic machine Weight 1.5 kg	93-040.13
Roller deflector for deflection of prestressing steel to max. 16 mm dia., with fixing thread M16 x 48 (bolt) Weight 3 kg	93-019.35
Fixtures for steel cutter 93-010.00 (see brochure B103.03/1) for steel cutter 92-010.00 130 mm adjustable in strand direction for steel cutter 92-012.00 Centering tube Ø 22 mm, fixed Centering tube Ø 22 mm, 60 mm movable	93-037.02 93-037.03 92-012.24 92-012.21
Centering sleeve for centering tube according to cutting dia.	see price list
Suspension frame for 1 or 2 machines, stationary or mobile	see price list