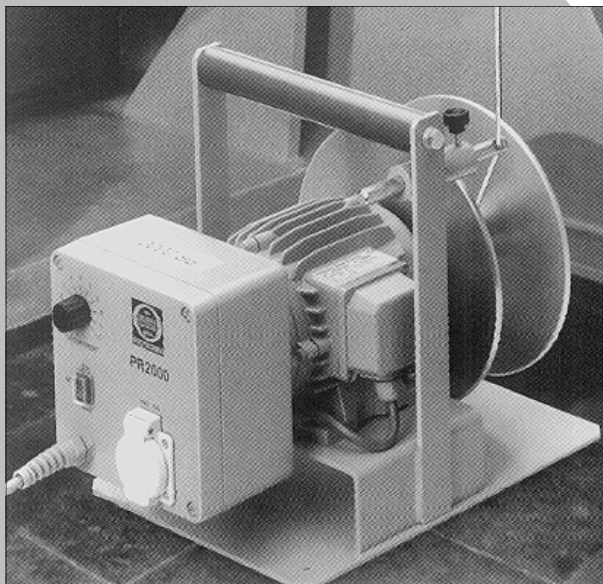


Operating Instructions



B-E-0225/10.96/E

Winder PR 2000 for extra threads on knitting and weaving machines



This device allows a proper reeling up of extra single threads or bundles of threads on

Tricot machines
Raschel machines
Weaving machines

onto a conic shaft between two disks of 220 mm Ø and 70 mm distance.

The torsional force of the motor is adjusted according to the number and size of threads by turning an adjustment knob with scale. By maintaining this torsional force the reeling speed is retained according to the thread speed.

How to use

- Plug the power cable of the device into a power outlet
- Set the torque adjustment to 0 (Zero)
- Lead the extra threads through the eyelet and reel by hand some inches onto the drum
- Switch on the device (control lamp lights up) and adjust the torque, so that the threads are under slight tension

The max. revolutions per minute of the motor are limited to 4 Hz. When exceeding these revolutions per minute the motor is switched off. When the revolutions remain under, the set torque is switched on at the motor again. The motor connections are short-circuit proof.

• Technical Data

	230 V Version	115 V Version
Electrical connection	230 V AC +/- 10%, 48 - 52 Hz	115 V AC +/- 10%, 58 - 62 Hz
Current rating	0,33 A +/- 10%	0,88 A +/- 10%
Power consumption	< 76 VA	< 76 VA
Fuse	1 A T	2 A T



Caution! The safety contact electrical outlet is NOT fuse protected and is NOT switched. The max. load is 5 amps. Max. 3 winder PR 2000 may be connected in series.

Adjustment range	0 - 0,2 Nm
Max. torque	0,2 Nm
Max. torsional force	6,3 N - 1,8 N
Max. ambient temperature	+ 40° C
Safety classification	IP 54
Measurements (W/H/D)	230 / 450 / 320 mm
Diameter of package	64 mm - 220 mm
Inside width of package	71 mm
Weight	16 kg
Housing colour	Signal orange RAL 2003



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**EC Declaration of Conformity
relating to the EC Machine Directive 89/392/EWG, Appendix II A**

We,

PROTECHNA Herbst GmbH & Co KG
Lilienthalstr. 9
85579 Neubiberg
Germany

hereby declare:

That the machine to the following description insofar as its original design and construction and also the model now despatched by us, corresponds to the relevant Safety and Health Requirements laid down by the EC Directives.


Any alteration of the machine carried out without our permission nullifies this declaration.

Description of the machine: Reeling Device
Machine type: PR
Machine No.: 2000
Relevant EC Directives: EC Machine Directive (89/392/EWG) followed by 93/44/EWG
EC Low Voltage Directive (73/23/EWG)
EC Directive relating to Electromagnetic Tolerance (89/336/EWG) followed by 93/31/EWG

Applied co-ordinating standards, in particular:

DIN EN 60 204	Electrical equipment on industrial machines
DIN EN 349	Machine safety
DIN EN 61 010	Safety regulations for measuring, controlling regulating and laboratory equipment
DIN EN 50 081 Part 2	Electromagnetic Tolerance (EMV) Technical basic standard interference emission
DIN EN 50 082 Part 2	Electromagnetic Tolerance (EMV) Technical basic standard interference strength

Applied national standards and technical specifications ²⁾, in particular: DIN VDE 0100

Signature of Manufacturer:  Date: 24.08.1995
Dipl. Ing. W. Bühler

Details of signature: Development Manager