

Cylinder Shearing Machine Type 2-404

(Edition 2017/09)



Equippable after the modular system with

- Shear head with cylinder blade
- Shear head for comb shearing of Hauptner
- Straight shear arm, right or left
- Infinitely variable of adjustable feed role from 20 – 120 Upm
- Effective dedusting unit (as option)

1. With the universal Cylinder Shearing Machine Type 2-404 can be manufactured all longhair qualities, like melousine, short velour and other rough hair surfaces, by all usual cut heights perfectly. This is valid for ready formed hats just as for hat bodies. The labour costs care are held by the choice of the Shear tools, the swivel arm and the optional feed speed low.

2. The universal cylinder shearing machine can be equipped with three different shear heads:

- Cylinder Shear blade
- Comb scissors Fabrikat Hauptner

3. Cylinder shear blades are used primarily for hat bodies and easy hat forms. For ready hats by difficult forms man uses as a rule comb scissors. Moving of a shear system causes on the other hand no difficulties and be carried out simply and in short time.

4. The best cut picture is reached from shear heads with cylinder blade. It is to be followed, on this occasion that a strong dedusting must exist. The hair before the shear blade should be put up by the suction. At the same time the cut-off hair is led away completely. The

cylinder shearing equipment works for a long period (approx. 6 weeks to 6 month) without necessity to be re-sharpened. A completely steady shear surface is quickly accessible. The desired pole or cut height is put by putting under of passes away high distance records. The feed role is aimed to die distance records. With a cylinder shear blade all seeming cutting heights can be clipped (from 0,5 – 10 mm / 0,02 – 04 inch).

5. By the comb shear tools the desired cut height is reached by starting passed away of strong shear combs. It is disadvantageous that the cut height decreases by the frequent sharpnesses. The Shear speed is relatively slow. By the necessary oils of the shear combs the danger of the spor education exists. The state time of the shear combs lies with about 4 – 12 hours. The shear combs are easy and quick exchanging.

6. Cut heights of the comb scissors in mm

Fabrikat Hauptner: 0,5-1,0-1,5-2,0-2,5-3,0-3,5-4,0

For the impulse of the comb shearing facilities two different speeds can be chosen by putting down the fan belt.

7. The swivel arm with the feed role can be arranged in such a way that for the respective hat bodies – or hat form the most favorable position is reached.

7.1. Swivel arm straight, role points to the left

7.2. Swivel arm straight, role points to the right

Moving on the various swivel arm positions is easy and quickly possible. The storage of the swivel arm and the impulse of the transport role are summarised on the moveable front record to a unity. According to the built-in swivel arm the position of the front record is put and fixed with three screws. The height of the swivel arm and the position of the transport role are adjustable also exactly on the shear tools

8. The feed by the transport role lets itself infinitely variable from some 20 Upm to 120 Upm regulate, so that for every surface quality and every shear system the right speed can be found. A position counter puts the shear tools only in company when the transport role approaches the tools.

9. To reach a good surface, fibers and the shear dust **MUST BE REMOVED** sheared off correctly. The comb shear head as well as the cylinder shearing equipment own a suction device which are to be connected to a central dust extraction system. Nevertheless, mostly the suction achievement of a

central system is not sufficient. We deliver if requested a suitable exhaustor which either blows directly in the central arrangement or is provided with a dust bag.

10. To the sharpness of the comb shear blades we recommend our plan lapping machine type 405 which lends a light hollow grinding to the blades.

11. The cylinder shear blades are sharpened with a support grinding machine with pot disc. For both grinding methods you receive with the machine a detailed instruction for these works. We recommend to hold the second shear stuff on camp. To the loop of a hat body of cylinder the whole shear head is taken and substituted with sharpened tools. This requires only few minutes.

12. The cylinder shearing machine Type 2-404 is widely maintenance free. The feed gear runs in the oil bath. The ball bearings of the impulse of the shear tools are to be supplied every two years with fat. The machine is delivered ready with connection.

Technical Data

Installed required	Shear motor 0,12 kW
	feed motor 0,09 kW
Measurements approx.	490 x 690 x 950 mm
	19,3 x 27,2 x 37,4 inch
Dimensions seaworthy packages cases approx.	640 x 840 x 1100 mm
	25,2 x 33,1 x 43,1 inch
Weight approx.	80 kg / 176,37 lbs