



PRINTER PAT FACT SHEET

SETTING UP GTO DIRECT DAMPING

Thank you for purchasing Bottcher Direct Damping System rollers. We would like to offer a few tips to ensure that you get the best possible performance from this product, and consistent damping without tearing your hair out.

- Fit the new rollers. Put on a plate and run up some opaque white or yellow ink. Put the damping amount lever fully up and check there is no contact to the pan roller.
- Adjust the form damp roller to the distributor (the big bolted in Grey roller). Adjust using the 5mm grub screws in the journal, more pressure anticlockwise. Get a 6mm contact stripe, this can be seen best by looking up underneath the damping unit and inching forwards. Taking out the sprung rider helps visibility, check condition of the rider and bearings at the same time. Obtain new roller or bearings from Press Parts if necessary!
- Adjust the transfer roller to the distributor (the big bolted in Grey roller). Turn the damping to ON by the control lever, lift out the application roller to improve visibility. Inch machine forwards so you can see a contact stripe of 3mm on the transfer roller. Adjust by the spring rod nuts, more pressure clockwise.
- Adjust the metering roller to the transfer roller. Check the damping control lever is still ON and the metering lever is still UP. Inch the machine backwards until you can see the contact stripe of 4mm on the metering roller. Adjust by the 5mm allen head in the disc in front of the metering roller (facing you), more pressure clockwise.
- Adjust the metering roller to the pan roller. Put the metering lever to the mid position and run up ink to the pan roller (if not already inked). Inch the machine forwards so you can see a contact stripe of 4mm on the pan roller. Adjust by the 5mm allen head screws down the holes in the top of the damping carriage, more pressure clockwise.
- Adjust the form damp roller to the plate. Put back the lower rider and the application roller if removed. With the press stopped drop the damper on the plate and lift off. Inch the machine until you can see the resulting stripe of 3mm on the plate. Adjust using the knurled knobs, more pressure anticlockwise. Check this again later when the machine is running, there should be just a slight bounce on the rods.

- Wash up and put back the fount trough. Pack up old roller and send back to Printer Pat!

Further things to consider:

It is important that the settings are even side to side.

Follow the above procedure in strict order, otherwise some settings will be affected. Although it is unlikely that the pan and rider need replacing they are available from Press Parts.

The setting (5) is effectively the same thing as using the metering lever. The overall setting can be tuned so that the optimum damp can be kept with the lever on the centre mark. Bear in mind though that the metering/pan must break contact completely when the lever is UP (night switch-off), so you should then be able to turn the pan roller by hand.

NEED HELP

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