



Instruction Guide Spine Creaser *to fit* Muller Perfect Binders

For Technical Support:
email techsupport@technifoldusa.com

To order parts online:
<http://store.technifoldusa.com>
or Call 973-383-7920 M-F 10-4 eastern



***** IMPORTANT *****

Handle With Care When Installing!

Yes, these precision tools are built strongly but it IS possible to ding the edges of the device and ruin the female creasing channel/rib holder. Take your time when doing the installation.

Be sure the cover feeder shafts are clean and free of burrs, and **never, ever force anything! Everything should be moved with a finger touch**—if not, there is something wrong!

If you have any questions or are not getting the results you expect email techsupport@technifoldusa.com

or take a look at the FAQ and Tech Support page:

<http://www.technifoldusa.com/faqs-support/>

Our products do not work like conventional tools, so what you may be accustomed to doing may not be right for this product. So please, ask away! We provide unlimited free tech support and will work to overcome any obstacle or problem.

Tech Support: email techsupport@technifoldusa.com and we'll get back to you as soon as possible, usually the same business day.

Instruction Guide for SC-MU/ADJ-FP-01 Spine Creaser for Muller Perfect Binders

There are 8 components included in your kit, as shown on the right. Each one is **reversible**, meaning that it can be used as either a female or as a male.

The idea is to allow quick changeover from one crease setting to another, no matter which side of the sheet you need to crease.

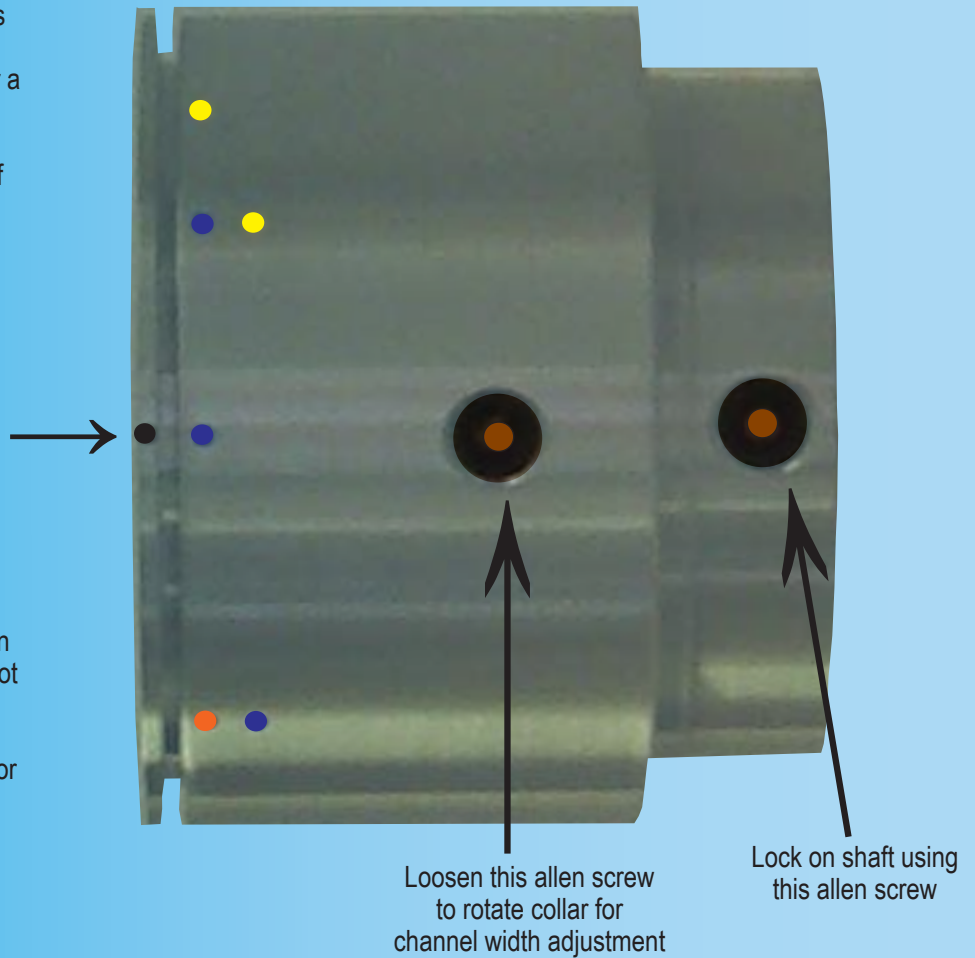
TO SET UP AS A FEMALE

Remove the creasing rib and select the setting using the chart below as a starting point.

Reference Point

Use black dot as reference point for setting the color-coded channel width. For example, the setting shown, using the blue dot, is good for medium weight covers. To widen the channel, rotate the yellow dot toward the black. To narrow the channel, rotate the orange dot toward the black.

Use a corresponding color-coded creasing rib in the female channel. For example, with the blue dot shown, use a blue creasing rib. When using the yellow channel, use a yellow creasing rib. When using the Blue/Yellow channel, use either a blue or a yellow creasing rib, and so on.



Crease Setting Guide

These are general recommendations to use as a starting point. Experiment with your stocks to find the most suitable crease setting. Many settings can work with one stock--there is no absolute right or wrong.

	Yellow for Heavy Stocks (widest channel) 10 pt and up 100# Cover and up
	Blue/Yellow for Medium to Heavy Stocks 8 pt and up 80# Cover and up
	Blue for Medium cover stocks 6 to 10 pt 60# Cover to 100# Cover
	Orange/Blue for Light to Medium Covers 5 to 8 pt 60# Cover to 80# Cover
	Orange for Light Cover and Text 90-100# Text weight 5 to 8 pt 60# Cover

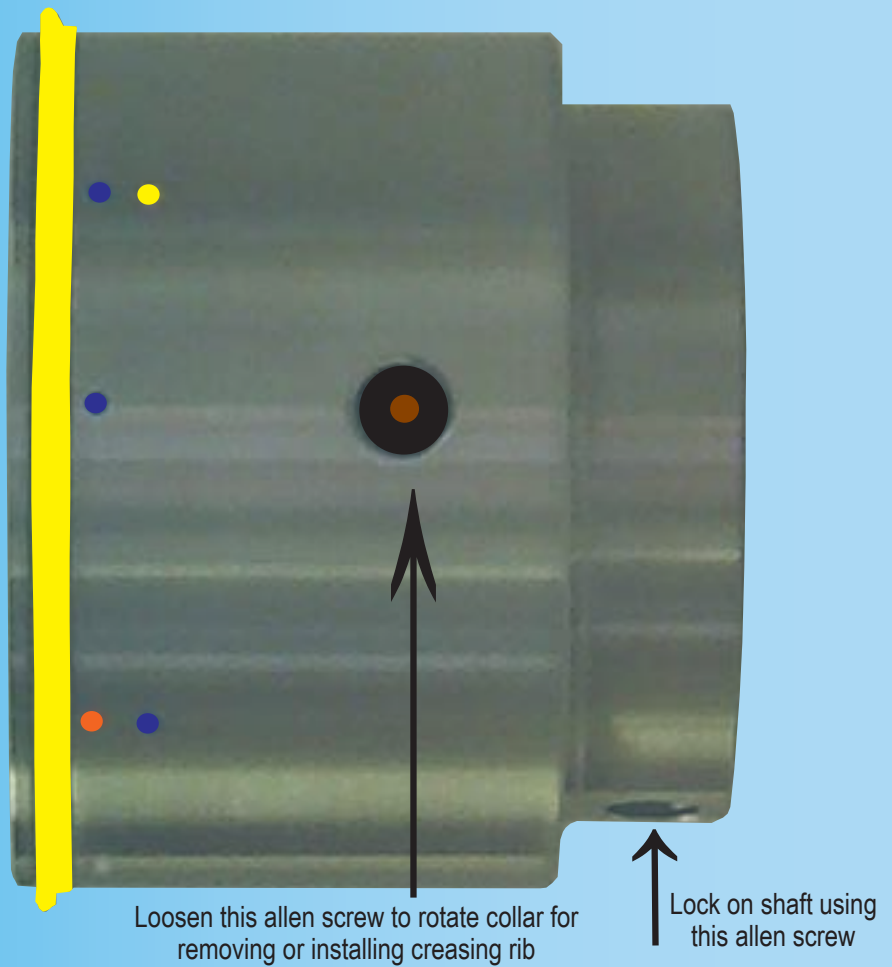
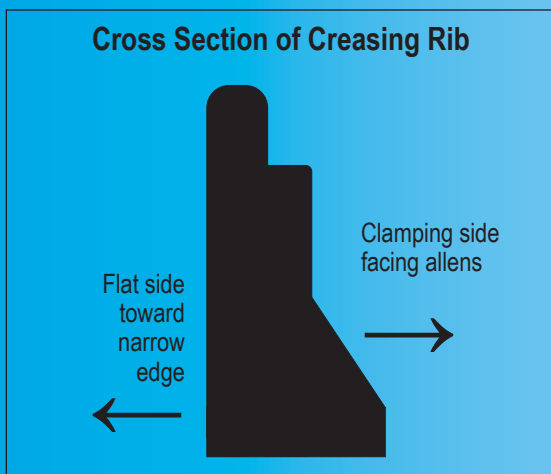
Setup Procedure

- 1 Select color-coded settings on 4 females, rotate into position & lock adjustable channel on selected setting.
 - 2 Insert corresponding color-coded creasing rib into male, tighten collar against rib and lock rib holder.
 - 3 Set gap between male/female to about the thickness of the stock being run (a looser fit is probably better)
 - 4 Position all 8 components on cover feeder shaft and lock the bottom components only. The upper components should remain loose on the shaft.
 - 5 Jog a sheet of cover stock through the Spine Creaser 1 or 2 revolutions in order to center the loose components.
 - 6 With the sheet still gripped by the Spine Creaser, gently tighten the female allen screw to lock on the shaft.
 - 7 Run a sheet to check position and quality of creases. Adjust female channel as needed or if needed, change both creasing rib and female channel setting.
- *** **IMPORTANT** *** When you change the female channel width, you must re-center the female components as described above. Otherwise you'll have an off-center crease that may crack or be mis-shapen.

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To Configure as a Male

- ❶ Loosen the allen shown, then unscrew collar so that color-coded creasing rib can be inserted. Be sure that the flat side of rib is facing the narrow edge and the clamping side is facing the allens.
- ❷ Insert the rib, flat side facing as shown, and finger tighten the collar. The unique clamping design ensures that the split ends of the creasing rib won't separate during running.
- ❸ Once the creasing rib is secure, re-tighten the allen to prevent it from loosening during the run.
- ❹ Locate the Male into position on the shaft and lock in place with 2nd allen shown.



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To Order Replacement Parts:

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Gripper Roller (shown in small box) replaces soft rubber rollers to aid in registration and in setting crease correctly. Complete kit (shown in large box) installed for 2 spine creases on top & 2 hinge creases on bottom. This can be reversed, OR all 4 creases can be located on top or bottom without having to remove tools from shaft!



Parts List

- | | |
|---|-------------------------------|
| 8 ea M-91 Yellow split creasing ribs | 8 ea. Reversible Collars |
| 8 ea M-92 Blue split creasing ribs | 8 ea MU-GB-01 Gripper Rollers |
| 8 ea M-93 Orange split creasing ribs | |
| 4 ea. SC-MU/PC-RB-5-B blue medium crease- hard nylon ribs | |
| 4 ea. SC-MU/PC-RB-5-Y yellow heavy crease - hard nylon ribs | |

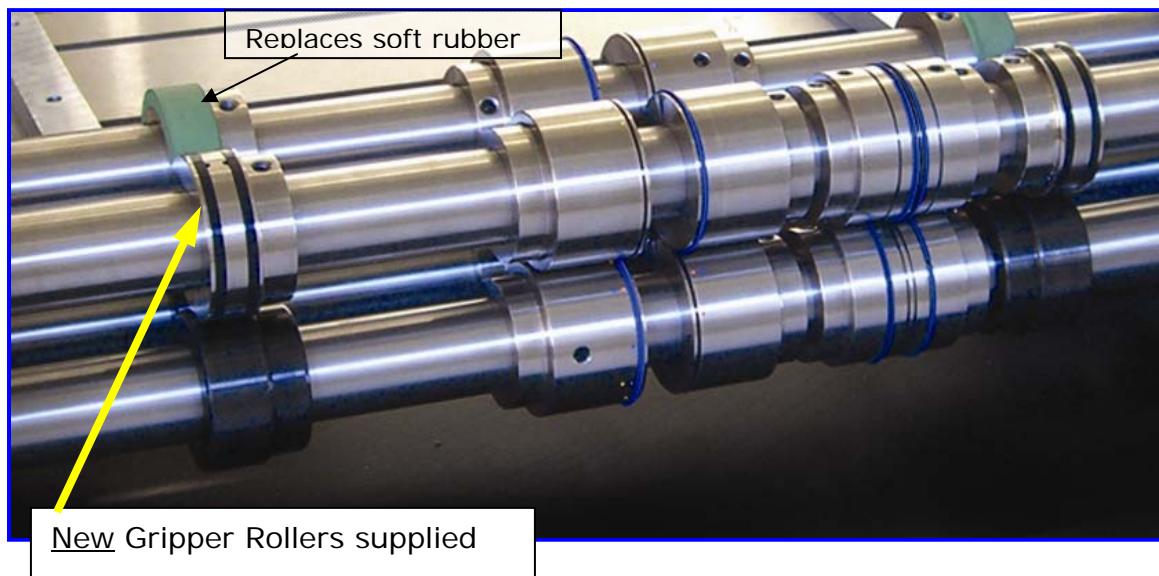
New Gripper Wheels for use with Spine-Hinge Creaser

Replace old soft rubber style with these units
(at least 4 on double shaft system although for some jobs 8 could be needed, and 2 on the 2-shaft system.)

For use on top shaft (you should have steel rollers on bottom shafts)
Use at least 2 on the first set of shafts and 2 on the second set of shafts (if applicable.)

These will prevent excessive pressure on the creasing rib and give better control over the sheet as it moves through the cover feeder.

Note: if you lose tension on the gripper rollers when running heavier stocks, replace the black gripper bands with the M-62 blue gripper bands. These have a slightly larger Outside Diameter to compensate for a wider gap between shafts.



Questions?

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Tips on Selecting the Right Creasing Rib

Think of your new Spine & Hinge Creaser as a device that gives you the ultimate in control over how your perfect bound book covers will look and perform. The crease combinations are nearly infinite but with a little experimentation early on, you will find crease settings that are perfect for each of the jobs you run.

If fiber cracking is not a problem with the stock you are running, select a set of the hard nylon creasing ribs. Blue (light to medium stocks) and Yellow (heavy) nylon ribs are included. A red (light stocks) and black (heavy or very dense stocks) are also available.

The nylon ribs will last longer than the rubber ribs and with the infinitely variable female channels you have substantial control over crease performance.

If you expect fiber cracking to be a problem, then select one of the 3 types of rubber creasing ribs included with your new kit. Always be sure to re-center the devices when changing ribs or when changing channel width. This applies to both rubber and nylon ribs.

Always be sure to crease into the face of the piece to produce a crease that will eliminate fiber cracking.

Experiment with crease settings

Use the enclosed Crease Setting Log as a guide for starting points. Adjust creases as needed and then make a note of the setting that works best for each job or for a particular stock.

If you run a wide range of paper stocks, initially this will take a little work but it's well worth it the long run.

Refer to your Crease Setting Log when you return to that job or that particular stock. This will save you LOTS of setup time!

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Frequently Asked Questions for the Spine-Hinge Creaser to fit Mullers

Which side of the sheet do I crease?

Technically, the correct way to score the sheet in order to eliminate fiber cracking is the same as with a die score—the male should be hitting the outside (face) of the cover, so that the fold is going away from the male. So the spines should be scored from one side, the hinges from the other side.

However, sometimes customer preference dictates how you crease (score) the job. Some jobs might be creased all on the same side of the sheet, some might be creased opposite the correct way described above.

What if I still get fiber cracking?

Be sure to experiment with different crease settings. For instance, an 80# cover from one mill might require a different setting than an 80# cover from another mill. Also check that the female components are centered correctly.

How long should the creasing ribs last?

The creasing ribs should last 1/2 million to 1.5 million sheets or more, depending on the weight of paper. Use the minimum pressure necessary to get a good crease. A deeper crease is not necessarily better for eliminating fiber cracking. It might be better to go to a different creasing rib rather than apply excessive pressure.

When do I have to re-center the female components?

- Whenever you move the devices to a new position
- Whenever you change a creasing rib
- Whenever you adjust the channel width on the female

What range of papers can I crease?

In general, the Spine Creaser should work on stocks from about 100# text weight up through 16pt. Paper varies substantially so feel free to experiment and you'll find that you often get good results on lighter or heavier stocks.

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