



Instruction Guide
Spine-Hinge Creaser
to fit
Harris UB Binders
QC-DEL-UB/6-FP-01

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 heavy duty 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!

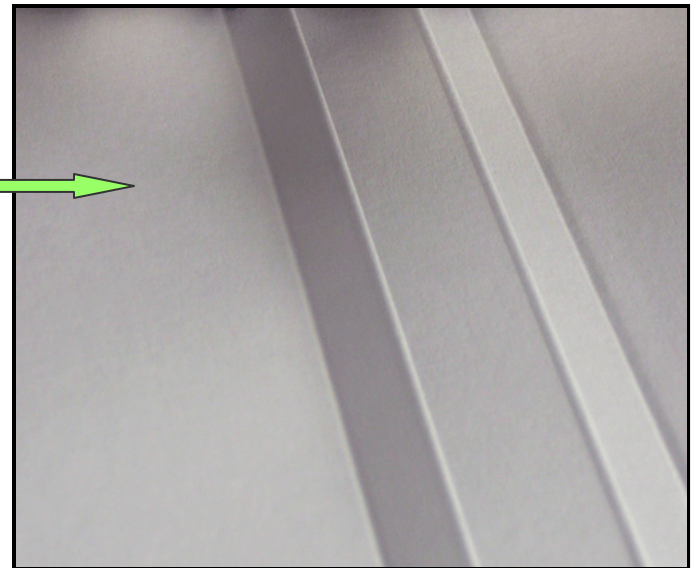
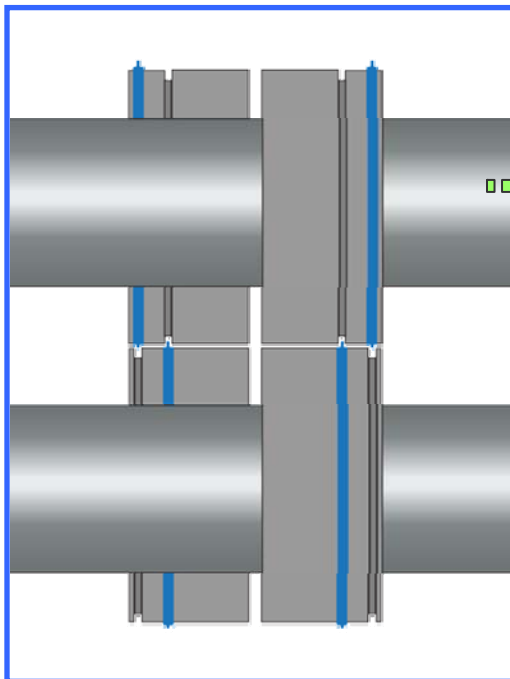
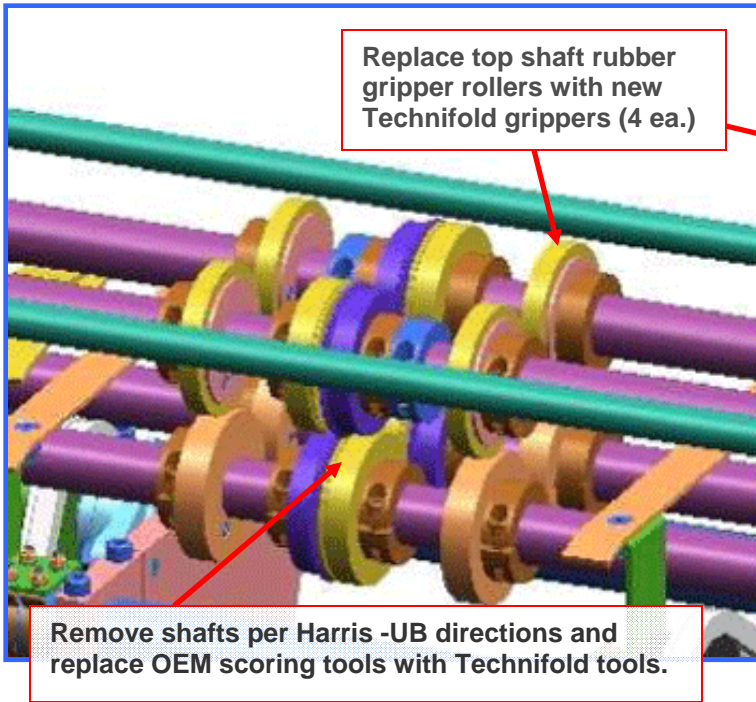
If you have any questions or are not getting the results you expect email techsupport@technifoldusa.com

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.

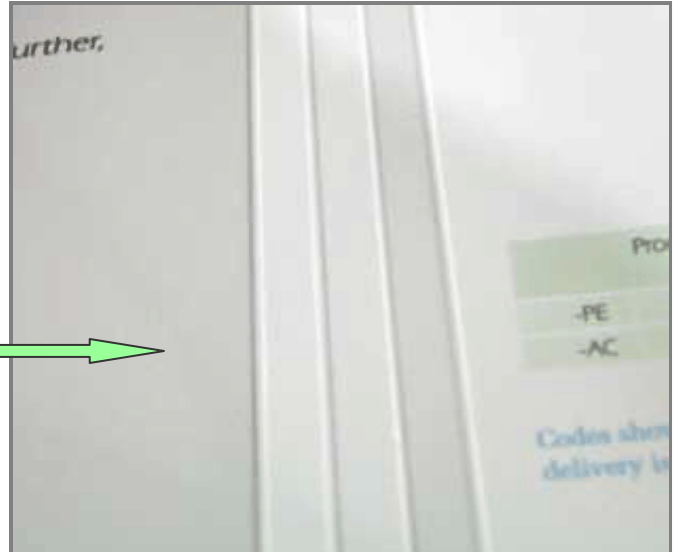
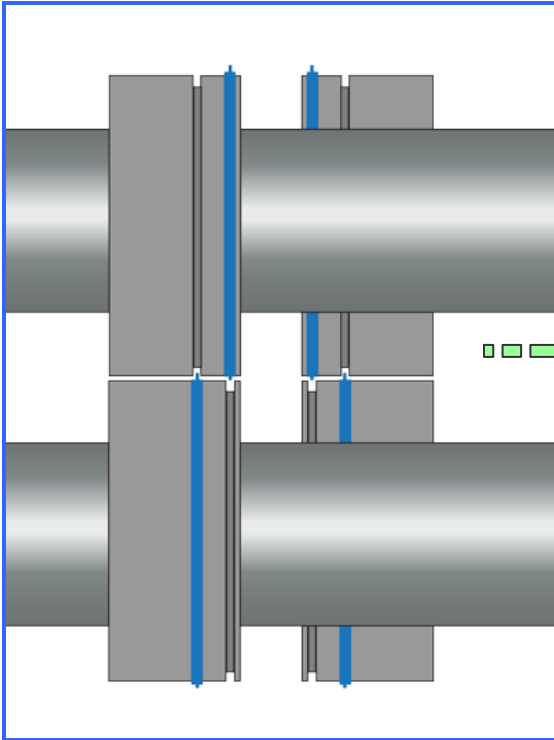


Reverse Crease Setup

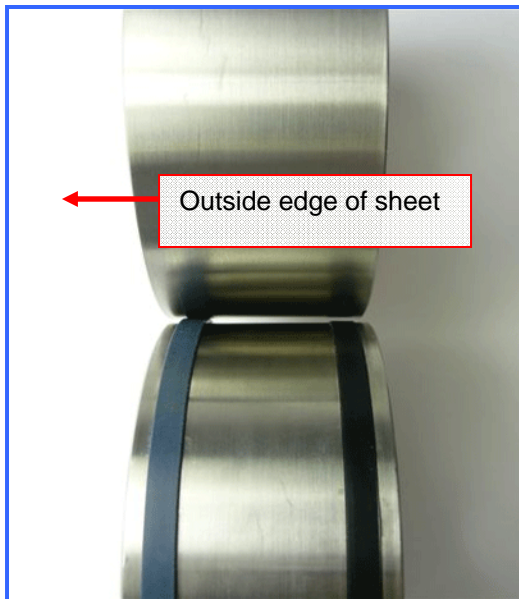
Position tools as shown above to produce creases as shown at right, where the male is creasing into the outside of the cover's spine. This is considered the 'correct' way to get best results in order to eliminate fiber cracking.

See next page for creasing set up to hit the inside of the cover.

Conventional Score Setup



Position tools as shown at left to produce creases as shown at right, where the male is creasing into the inside of the cover's spine. This is the 'conventional' way to score.



**** Note ****

The blue gripper band may not have shipped with your device. It is still in the works for some devices but will ship as soon as it's available.

Optional Gripper Band Technique

The Blue gripper band has a larger outside diameter than the black band. While most jobs will be OK using the black gripper band, you may need to use the blue gripper band if the grip isn't sufficient with the black band.

Here is a technique to quickly get the correct pressure on the gripper rollers without having to change the gripper bands.

Install one blue and one black band on each gripper roller. The blue band should be towards the outside edge of the cover. *(Photo shows gripper rollers set for left side of sheet. The right side of the sheet should be set up the opposite way.)*

For normal jobs requiring the black band, position the gripper roller so only the black band is contacting the sheet.

If you have a satisfactory gap between male and female creasing units but you are losing grip on the sheet, use the blue gripper band by moving the gripper rollers inward.

Then when you go back to creasing a lighter sheet, simply move the gripper rollers outward so only the black band is gripping the sheet.

Tips on Selecting the Right Creasing Rib

For best results be sure to crease with the male creasing rib hitting the face (outside) of the piece to produce a crease that will eliminate fiber cracking. There could be exceptions to this 'rule' but in most cases this will give the best result.

Sometimes customers prefer a conventional score line, with the male hitting the inside of the folded cover, so the bead folds to the outside.

What Does a Good Crease Look Like?

The inside bead of the crease should be smoothly rounded as shown in photo at right. If visible tears start to appear, you probably have too much pressure.

The outside of the crease should also be smooth and free of cracking or tearing.

Experiment with Various Creases

Use the enclosed Crease Setting Log as an operator reference. Try both creasing ribs and then make a note of the creasing rib that works best for each job or for a particular stock.



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How to Center the Crease on Your UB Binder Spine-Hinge Creaser

1) Loosen the 2 allen screws, slide each component apart and insert the desired creasing ribs in all four components as shown. (If you plan to crease only the spine but not the hinges, then simply use two creasing ribs.)

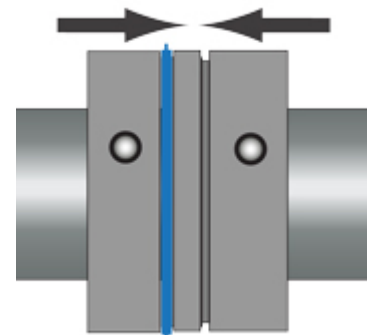
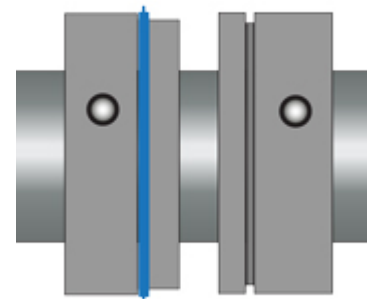
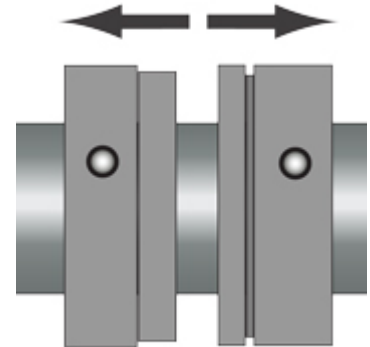
2) Starting with the bottom shafts only, press the components together to hold the rib in place, slide into position and tighten both allen screws on each component.

3) **Leave the components on the top shafts loose but in position above the bottom, locked components.**

4) Jog a sheet of cover stock through the devices so the components rotate at least one revolution. This will push the top components into a 'centered' position.

5) With the sheet still gripped by the Spine-Hinge Creaser, lock the female side on the top shaft. Push the two halves together and now lock the male side. The tools should now be centered. Finish jogging the sheet through the machine.

6) Run another sheet to test the crease position and quality and adjust as needed.



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Frequently Asked Questions for the Spine-Hinge Creaser to fit UB Binders

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. (photo right)



However, sometimes customer preference dictates how you crease (score) a particular sheet. A Tip: experiment with various crease settings to find out what works best for the jobs that you run. Then use the enclosed Crease Setting Log to keep a record of what setting works best.

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 nylon creasing ribs on your UB Binder Spine-Hinge Creaser should last 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 any component to a new position you need to re-center that male/female pair.

What range of papers can I crease?

In general, the Spine-Hinge Creaser should work on stocks from about 60# cover (5-6 pt) up through 16pt. Paper varies substantially so feel free to experiment no matter what type of paper stock you are running.

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