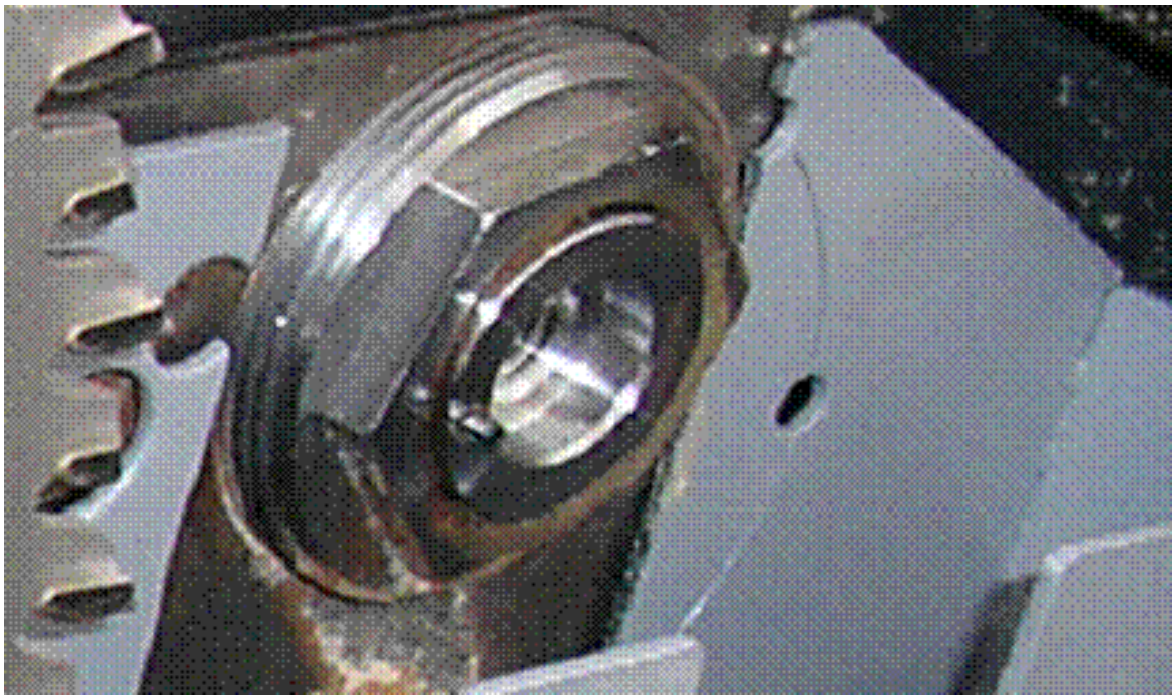
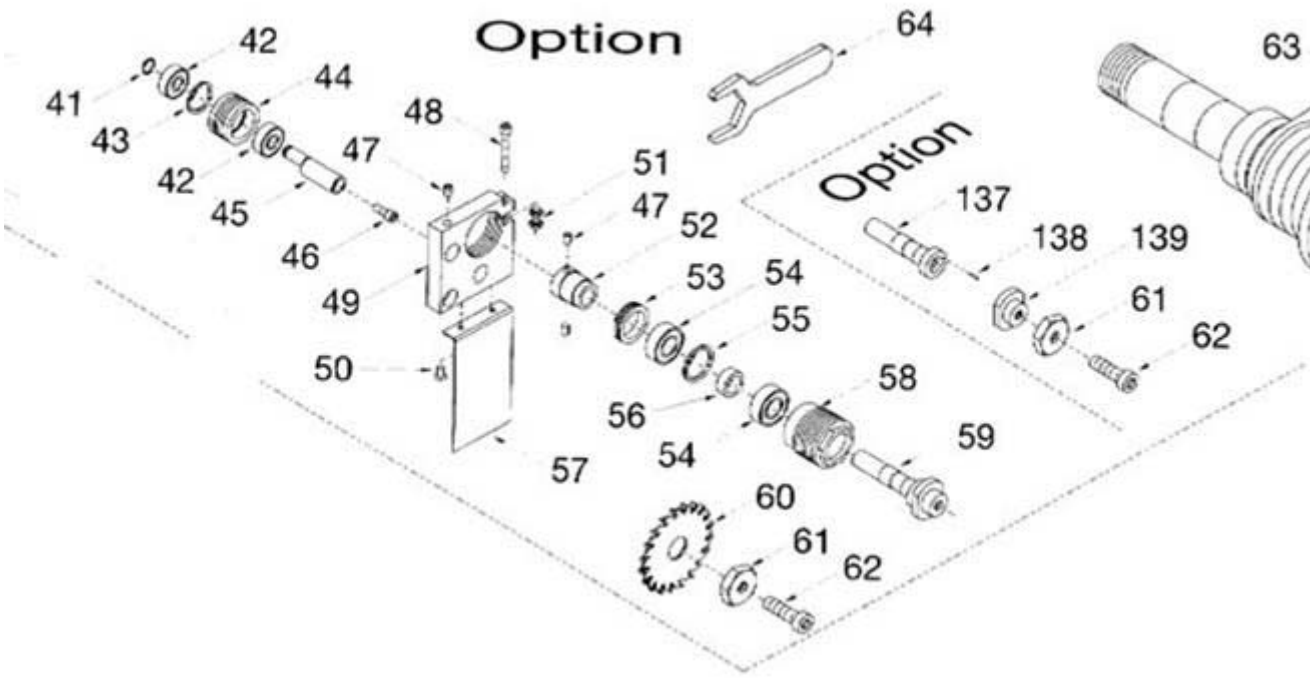
The Removable Scoring Arbor Flange – how to know if you have one.

Have a look at the two images below. The first is a close-up showing the scoring arbor with the blade removed. The flange is also removed in the photo giving the ability to mount a 350mm blade on the main saw arbor.

The drawing for the scoring arbor is shown below the photo. The removable arbor flange is the part within the dotted line marked “OPTION”. The removable arbor flange option includes part numbers 137, 138, and 139. The removable part of the arbor (called the flange) is #139. #138 is a spring drive pin that forces flange #139 to revolve long with the main part of the arbor (#137). With bolt #62 and nut #61 removed, the removable flange #139 can be pulled off the arbor easily – it pulls straight out. The blade goes between #139 and the nut #61. Notice in the photo below that the drive pin #138 stays on the arbor – just the flange pulls off. If you can not pull the flange off the arbor, then your machine does not have the removable flange option and you are limited to 303mm blades.

You should check this out on your machine for one simple reason. I originally ordered the removable scoring arbor on my KF700, and after struggling for hours to remove it, I finally called Felder service and after a few minutes of diagnosis, it was determined that my machine did not have the removable option installed even though I ordered it. Eventually they came back and installed a complete new scoring arbor (parts #41 through #62 on the drawing). In the process of putting on a 350mm blade we found some interference with the dust chute that needed to be corrected as well. So you should check.





As long as I'm on this, I should explain how to tension the belt, just FYI. This eluded me for a while the first time I had to make the adjustment. Looking at the drawing, you loosen the 3mm hex set screw #47, then using a 6mm hex key, turn cap screw #46. This cap screw rotates the eccentric shaft #45 which is the axle for the idler pulley #44 that presses against the belt (the lower pulley in the trio shown at the right) and takes up the tension. Properly adjusted, the belt should show a 5-8mm flex when you press on it with your thumb.

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