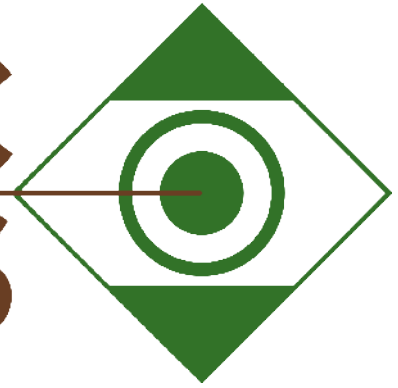


# BALLISTIC TOOLS



Dillon 650 bearing kit installation:

1. The kit installs on top of the shell plate.
2. Loosen the shell plate locking screw located behind the index ring on the main shaft. Remove the shell plate bolt, the ejection wire, and the shell plate.
3. Clean the shellplate top and bottom, and optionally apply a very light coating of grease to the surfaces near the center of the shell plate.
4. Place the shellplate in position, and place the bearing stack (side-cage-side) over the hole.
5. Insert the bolt through the bearing stack and shell place, and thread the shellplate bolt in finger tight. Back it out 1/8th turn, a little less than you would back it out without the bearing.
6. Cycle the press to ensure correct and smooth indexing. The bearing does not let you run the bolt extremely tight, only a little bit tighter than without it, which is enough to correct index jerking. Readjust if too tight or if bearing cage (center part) is not moving, which indicates a too-loose tension. Do not force anything, it's entirely possible to break the index ring with too much shellplate tension, even with the bearing installed.
7. Tighten the locking screw. You may notice that the shellplate gets tighter after you tighten the lock screw. You may have to loosen it and readjust the bolt for a little less tension. Small rotations make a big difference in tension. You will find, however, that the bearing makes the tension setting a little more forgiving than running without it.
8. Reinstall the ejection wire. Some have reported ejection wire problems following this sort of bearing installation. Ensure that the ejection wire is as far down as it will go. If it will not sit flat on the bolt head, it may be necessary to VERY SLIGHTLY bend the ejection wire at end of the loop section so that it angles down and allows the loop to be horizontal. This may not be necessary so only perform this if you encounter ejection problems. Test the press slowly at first to ensure proper ejection function.