WK180C COCKING HANDLE

Oh no! Every moron builds their own after-market version of the WK180c cocking handle and they all have the same problem... they fall out when firing.

There is nothing to keep the screw from turning. Conventional materials just don't allow it.

So we took a M6x1 bolt and 3D printed a handle. The M6 bolt really doesn't fit in this handle too well. In fact the interference fit makes it tough to screw in. That keeps the handle position relative to the bolt position when assembled.

Then on the bottom of the cocking handle we placed a small indexing nub that fits into the track that the bolt handle travels in. This means that the handle can not change its orientation during travel. It can't rotate and the bolt affixing it to the carrier can't rotate either.

The result? A gun that is hard to take apart... but a gun that does not take itself apart at inopportune times.

By why 3D printed? Steel and Aluminum don't have the flexibility needed to force the bolt in and grip it. If made out of a conventional metal, it would need to have proper clearances to fit the bolt and thus would not be biting down on it. A metal nub would also chew up that channel.

The plastic nub will wear out over time (replacements parts available at half the total cost) but it will preserve the firearm from scratches or gouges that would appear from conventional materials.