Academy Tech Tips
Convert Gravity-Actuated Ring Lock to Manually-Actuated

The 501D1 Lock Retainer is a specialty 4mm screw with an integrated spring-loaded ball bearing. When installed into a Ring Lock joint, it creates an easily adjustable retainer to convert a gravity-actuated Ring Lock (“drop lock”) to a manually actuated one.

In this Tech Bulletin, we will focus on installing the 501D1 Lock Retainer Assembly in Ring Lock orthotic joints such as the 17B20 System Knee Joint.

Installation:

Measure from joint center proximally 19 mm and center under upper bar as pictured.
Center punch and use drill press with 1/8” bit. Apply a small amount of cutting oil, and then tap utilizing a 4x0.7 mm tap.

Screw the 501D1 Retainer into the Joint Head (Figure 1), until the ball protrudes just enough to “catch” the Ring Lock (Figure 2).

Decreasing the amount of protrusion makes locking and unlocking easier. Once proper adjustment has been determined clinically, apply a small drop of blue Loctite.

If you have any further questions, please contact Ottobock at 800 328 4058 and ask to speak with a member of our Professional and Clinical Services department.