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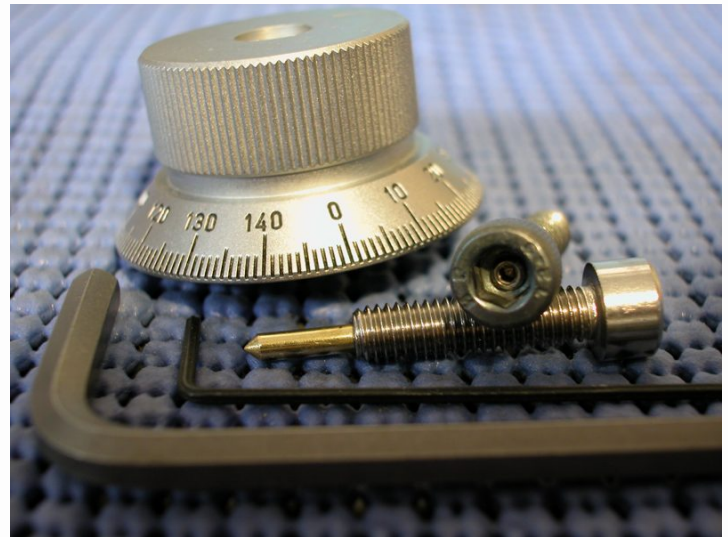
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Leitz SM-D Lux, Dialux Service Tool

This tool is used for removing the fine focus knob on the older Leitz SM-D Lux, Dialux, Labolux-D and some other Leitz focus systems. This is the focus system with the twin coaxial knobs as shown in the photo. Removal of the fine focus knob allows the service person to access and address the coarse/fine focus system. Removal of this knob is very difficult without this specialized service tool. Don't be tempted to just use a 5 X 0.8 metric screw, as this procedure causes damage to the focus shaft, sometimes beyond repair, as the screw will push against the thin outer wall of the threaded portion of the shaft, distorting and possibly cracking the shaft end. This will also make the re-installation of the knob very difficult. My service tool removes the knob easily, without the possibility of causing damage, because the adjustable shaft pushes against the internally drilled portion of the focus shaft and not on the delicate threaded outer wall.

Instructions for use: Remove Leitz screw with a well-fitting driver so that no damage occurs. Replace the screw with the removal tool and its brass jack shaft intact with the tool's small



inside set screw removed. Be sure to lubricate the focus knob threads with a thick grease to protect the threaded portion of the focus knob. Screw the tool in gently until the tool just seats against the tip of the fine focus shaft. Unscrew tool out from the knob 1/2 turn to provide working clearance. Hold tool and knob in the same position as the set screw is inserted and tightened against the brass push rod, which in turn tightens against the bottom of the drilled focus shaft. Do not over-tighten this set screw as it is not the tightening of this screw that removes the knob. Hold fine focus knob firmly as the tool is screwed clockwise using the larger Allen wrench. This will force the brass shaft into the focus shaft, levering the knob outward, forcing the knob off the focus shaft. I'm offering this Leitz Service Tool in heat-treated alloy steel (black finish) for \$ 22.00 or A-2 (18-8)

Contact me either through my website: www.roseoptics.com
or email at: roseoptics@aol.com to learn more about this tool.

stainless steel for \$ 28.00 (includes shipping worldwide).