

Converting the HiTorque 9x20 to Metric Dials

The LittleMachineShop HiTorque Bench Lathe is relatively easy to convert to metric dials. The metric parts in the kit are direct replacements for the Imperial dials, feed screws, and feed nuts.

Mechanical Elements

- Remove the Imperial parts and replace with metric parts in reverse order, reusing the parts not supplied in the metric kit.
- Install ball oilers by gently tapping them into place with a small hammer.
- The cross-slide feed screw (3) comes without the power feed gear roll pin hole(A) drilled. Use the Imperial feed screw to locate the identical position on the replacement screw and drill the same size hole(3mm) and reuse the gear (6) and roll pin (41).
- Adjust cross-slide feed nut adjustment screws (16) for desired backlash.

