

Hickok Roll Chart Gear

replacement roll chart gear for Hickok tube testers

Reproduction roll chart gear, fits most Hickok tube testers.

You will often find this gear with missing or broken teeth. There is a good reason for that and if you just replace the gear, you are also likely to break the new one.

REASON: the original roll charts on the early models were often updated to include the ever increasing number of new tubes. When the new, longer chart was installed, this made the spooled chart thicker and prone to lock up near the end of their travel. So the operator would attempt to force movement of the chart by simple brute force (with accompanying sore thumb) or employed the aid of a screwdriver or other tool. This force, of course would often result in damaging the gear.

Prognosis: the chart was installed incorrectly (too tight) or the original wood roll chart spools were a bit too large in diameter to accommodate the new roll charts.

Solution: install new, (smaller diameter) wood spools when replacing the broken gear. You can get nice straight wood dowels at a good hardware store. Make sure they are straight and use a lathe to drill new end holes. I find the 1/2" diameter size works best when using the updated, long, comprehensive updated roll charts.

Tip: you will have to carefully drill out the small rivet that holds the gear in place. Then use the correct size machine screw & nut to replace the rivet if you don't have a replacement rivet.

WARNING! after replacing the gear, if your chart does not roll freely from end to end and you force it, the new gear is **very likely to break.**