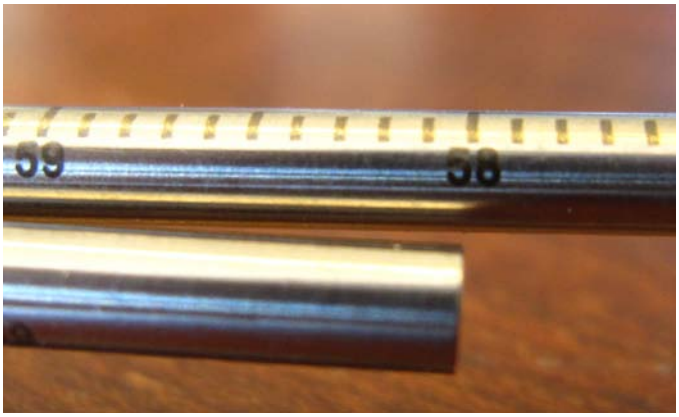
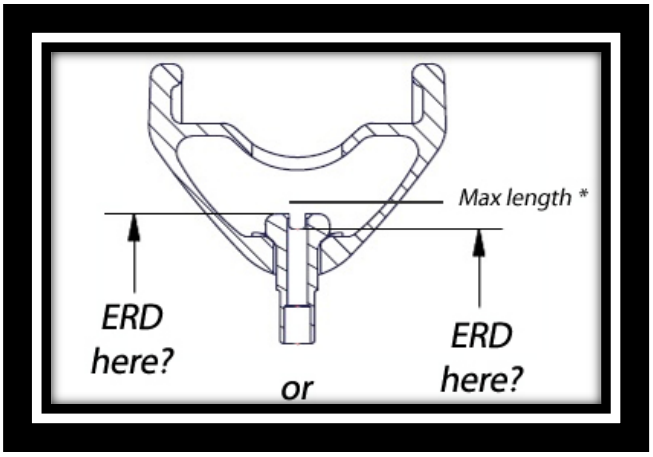
Effective Rim Diameter Tools

The ERDT rods are constructed of 304 stainless steel with laser-etched measurement markings along the length of each rod to eliminate manual measurement and ensure a long shop life. The head of each rod has been reduced in length to better fit inside offset rims and angled drillings.

To measure a rim's ERD, insert one rod into a spoke hole on rim to max depth. Insert the second on the opposing rim hole at the furthest point across the rim from the first. Note the marking where one rod terminates against the other, that is the rim's ERD.



Some calibration is recommended as there isn't a hard standard for how ERD is measured (see image below). The ERDT is designed to measure from the rim's inner wall to the opposite inner wall.



If you prefer to add addt'l length for deeper nipple penetration, varied nipple designs or nipple washers, it is recommended to conduct some sample measurements against rims with known ERD's so you can make adjustments with accuracy & confidence.

Please note the rods themselves are only approx 3mm in diameter, hence the measurement markings are quite small. If having difficulty viewing, the rods may be manually measured using a ruler or calipers. Measure the rod overlap & subtract from 700mm to find ERD.

https://www.bsctools.co.uk/ service@bicycleservicecentre.co.uk

BSCTools