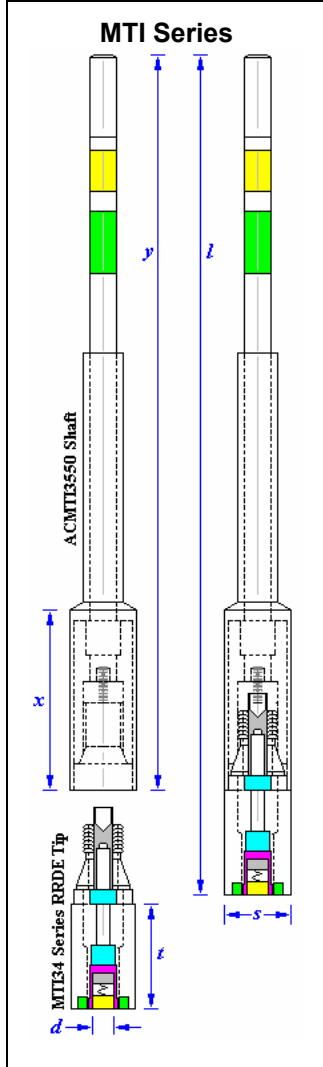


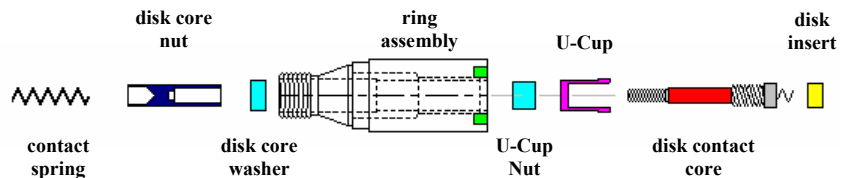
Taking Care of Your MTI Series “Change Disk” RRDE

Document LMECMTI



Your rotated ring-disk electrode (RRDE) is a precision research tool that has been carefully machined and tested. It is guaranteed to be leak-free at the time of shipment. (Leak test results are attached.)

- Your electrode was leak tested at ambient temperature and should not be used at elevated temperatures. The electrode should only be used at temperatures from 10°C (50°F) to 25°C (77°F). Higher temperatures may create a leak around the disk or ring or both.
- After using the electrode, clean it and replace the protective cover to prevent the electrode surface from being scratched.
- Shafts for MTI Series RRDE tips are sold separately (part ACMTI3550 is the shaft for standard MTI34 tips).
- Rotating electrodes must be mounted securely in the rotator. While mounting, do not apply excessive force to the Teflon shroud as this may cause the shroud to slip along the shaft of the electrode.
- Rotating electrodes should be submerged at least 5 mm (0.2 in) below the surface of the solution.
- Rotating electrodes should be mounted in such a way that they do not rub against surfaces (such as the inner wall of the cell).
- The MTI tip can be disassembled (see attached instructions for details).



Standard MTI34 Dimensions:

Disk OD (d): **6.00**
 Disk Thickness: 4.00
 Ring ID (R1): 7.50
 Ring OD (R2): 8.50
 Shroud OD (s): 15.0
 Overall Length (l): 177.8
 Exposed Tip Length (t): 25.4
 Shaft Length (y): 152.4
 Lower Shaft Length (x): 33.3
 Collection Efficiency: 24%

Standard MTI36 Dimensions:

Disk OD (d): **5.00**
 Disk Thickness: 4.00
 Ring ID (R1): 7.50
 Ring OD (R2): 8.50
 Shroud OD (s): 15.0
 Overall Length (l): 177.8
 Exposed Tip Length (t): 25.4
 Shaft Length (y): 152.4
 Lower Shaft Length (x): 33.3
 Collection Efficiency: 22%

**MAXIMUM ROTATION
RATE
3,000 RPM**

**Use Extreme Caution
When Rotating Electrodes
over 2,000 RPM!**

*Reference dimensions given in millimeters; however, electrodes are actually machined using the nearest English dimensions. Custom electrodes with other dimensions are available upon request.