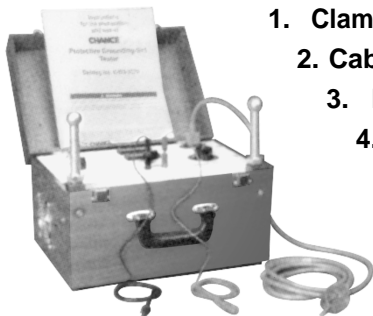


On a regular basis, each utility needs to re-examine its' temporary grounding practices. As part of the total maintenance program, schedule such routine reviews apart from sessions to set new practices for system upgrades and additions. Among others, include on your review checklist these basics:



1. **Clamp designs specific to each application.**
2. **Cable sized for fault-current potential and min.-slack lengths.**
3. **How construction affects placement of grounds.**
4. **Work procedures outlined above.**
5. **Inspect and test each grounding set.**

The Chance Grounding-Set Tester checks the resistance in a protective ground set and can help locate problems often remedied by simple repairs.

## SELECTING GROUND CLAMPS AND CABLE

To serve your particular needs, the Chance grounding line comprises both ready-made sets and separate components for your specifications. Among the options and criteria to consider:

ˆ **Functional Fit--**Sizes of the clamp types in this section appear in ascending order of maximum-main-line size. By design, many clamps serve a wide size range for their conductor type (cable, bus, or tower).

ˆ **Coordinated connectors--**Terminal (either pressure-type or threaded-type) selected for clamps dictates the cable-ferrule type (plain or threaded) to match.

ˆ **Adequate capacity--**Published ratings for both clamps and cable must withstand maximum-potential system fault-current magnitude and full-time duration. Certified test reports are available on request.

ˆ **On-site handling--**Application clearances and fit (for overhead conductors and ground wires, transmission tower shapes, URD apparatus, or substation buswork) affect clamp and cable dimensions.

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