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**Grounding**

## **RDG-2100 Rotating Distribution Ground**



The RDG-2100 rotating distribution ground is designed to provide a continuous ground when mounted on the reel shaft and connected to the "pigtail" of the conductor reel. This will allow reel and shaft free rotation while electrical grounded continuity is maintained. Although running grounds, such as our DG-4100, are easier to use, there are times when it is necessary to use a rotating distribution ground such as when pulling insulated cable. This is accomplished by installing the rotating distribution ground on the "pigtail" of the cable, anchored to the reel. By cutting off the insulation on the end, the bare stranding is exposed providing a continuous electrical ground as the reel turns, paying out the cable. This rotating distribution ground can also be used on bare aluminum conductor. The rotating distribution ground is designed to give positive contact if properly installed. The unit will fit up to 2-5/8" diameter solid or pipe type reel shafts.

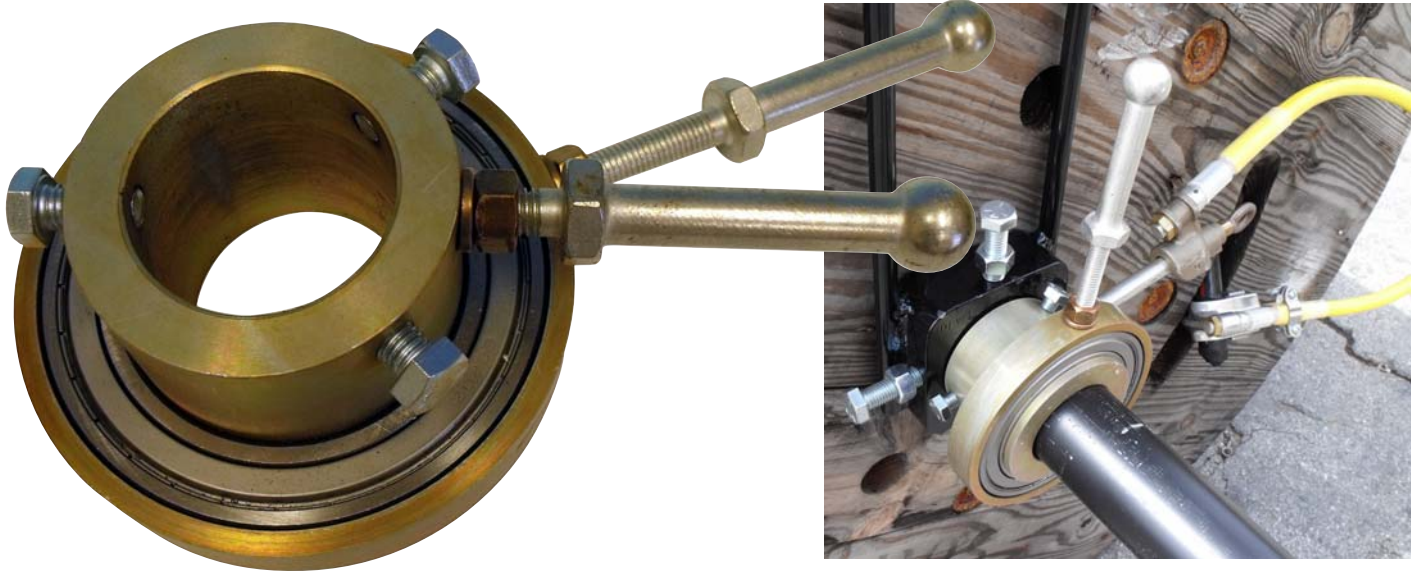
**Toll Free 1.800.251.7780**

**ISO 9001 Certified**





**RDG-2100 Rotating Distribution Ground**



**Results of High Current Tests on Sherman & Reilly Model RDG-2100 Rotating Distribution Ground**

Test Current (Sym. Amps)	Duration (Cycles)	Voltage Across Test Specimen	Generator Voltage (Volts)	General Comments
11,513	28	28	180	Slight roughness of the bearing.
14,993	27.5	23	240	Minor roughness of the bearing.
20,085	26	32	324	Increased roughness from previous shot.
* 27,511	27	42	330	No detectable change in roughness from previous shot. Ball stud in smaller diameter portion of rotating ground is bent slightly.
34,654	7.5	55	354	Not welded, but very difficult to turn in one direction. Significantly bent both ball studs. Retightened nuts that held ball studs after this test.
35,361	26	60	360	Bearing is solidly welded. Ball stud in smaller diameter portion of rotating ground is very loose.

Above are high current test results conducted by an independent lab with high performance subjected to ground fault currents in excess of \* 25,000 amps where ground continued to perform satisfactorily. Contact Sherman & Reilly, Inc. for any additional information.

\* Dimensions, weights, capacities are approximate. Manufacturer's specifications subject to change without notice.

