

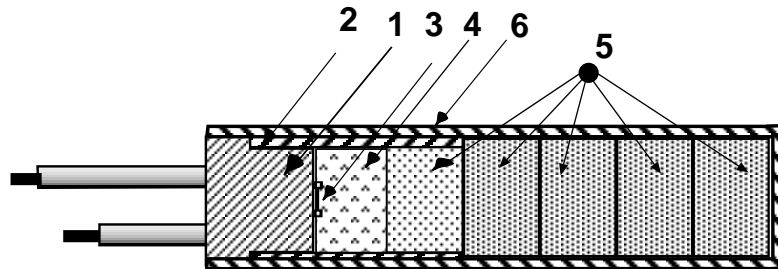
## RP-83 EBW Detonator

P/N 167-8676

The RP-83 is a stretched version of the RP-80 detonator and contains over 1 gram of high density explosive in the output. The RP-83 is capable of detonating all standard explosives and many blasting explosives.



### RP-83 Explosive Train



1. Plastic molded head
2. Brass sleeve
3. Bridgewire (Gold)
4. Initiating explosive: 80 mg PETN
5. Output explosive: 1,031 mg RDX with binder
6. Aluminum cup 0.007 " thick

### RP-83 Firing Parameters

- Threshold Burst Current: 180 amps
- Threshold Voltage: Approx. 500 volts
- Threshold Voltage Std. Deviation: 75 volts maximum
- Function Time: 5.38  $\mu$ sec. typical
- Function Time Simultaneity Standard Deviation: 0.125  $\mu$ sec Max.

**Caution:** While EBW and EFI Initiators are inherently less susceptible to accidental detonation during handling and set-up than devices containing primary explosives, electrical and electronic firing systems are sensitive to transient electrical energies which could cause premature triggering or firing. The blasting area must be clear of personnel and equipment before the detonator leads are connected to any RISI Firing System. Only approved RISI Firing Systems should ever be used to initiate or detonate any explosive product manufactured and authorized for sale by RISI.