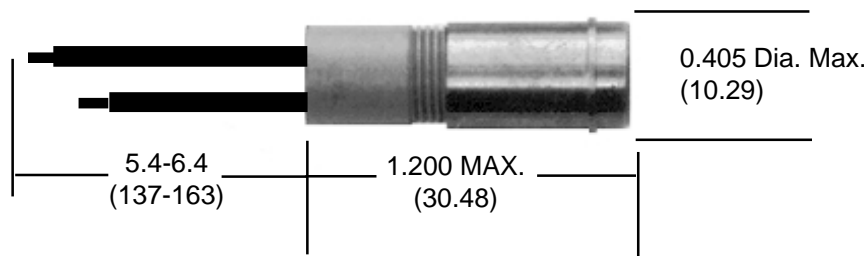


## RP-1 EBW Detonator

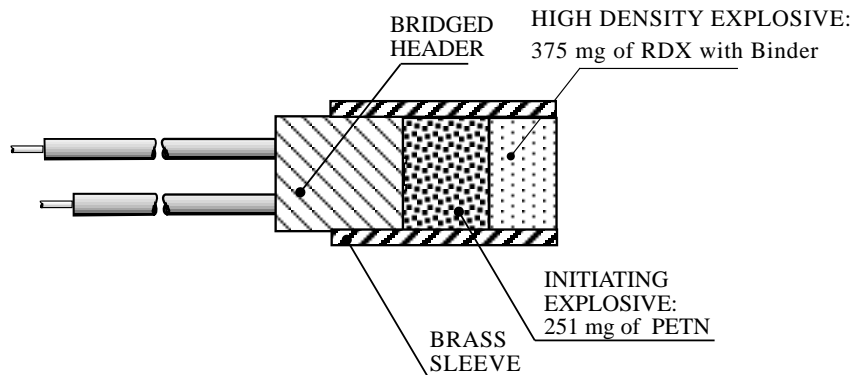
P/N 167-4314

The RP-1 is a high precision Exploding Bridgewire Detonator manufactured by RISI which features close tolerance electrode spacing, precise bridgewire attachment, high quality loading sleeves and a rigidly controlled crystallization process of the PETN explosive and loading operation. Density is controlled through consistency of crystalline structure, precision weighing and class 'A' dies and tooling.

The result is a detonator with a transmission time simultaneity standard deviation of less than .025 microsecond. While some applications may not require this degree of timing or safety, users may want to take advantage of the high degree of reliability present in this detonator.



### RP-1 EXPLOSIVE TRAIN



### RP-1 Firing Parameters

- Threshold Burst Current: 190 amps
- Threshold Voltage: Approx. 500 volts
- Threshold Voltage Std. Deviation: 25 volts maximum
- Function Time: 2.75  $\mu$ sec. typical
- Function Time Simultaneity Standard Deviation: 0.025  $\mu$ 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.