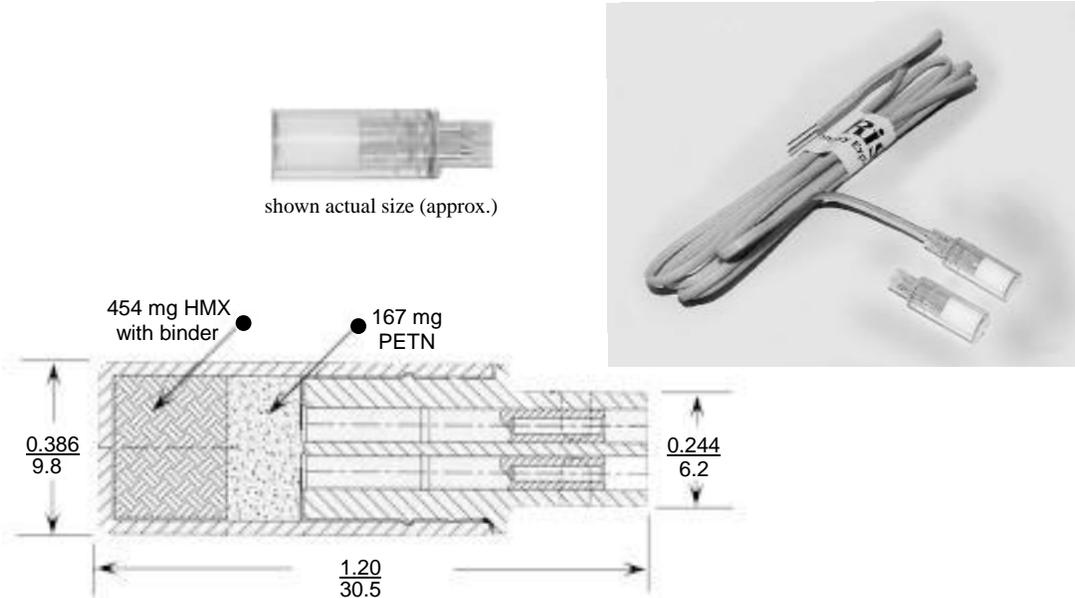


The RP-503 is an all plastic case, sealed EBW detonator designed to function under water up to a depth of 10 feet. It is designed to provide similar explosive output as the RP-502 or a #8 blasting cap with significantly less fragmentation. This detonator can be ordered with any lead length up to 100 ft. To order, use P/N 188-7411 and specify wire length to the nearest foot up to a maximum of 100 feet. Detonators are shipped with the wires attached.

RP-503 EBW DETONATOR

P/N 188-7411-(lead length in feet)



FEATURES

Output pellet:	454 mg HMX with binder
Initial pressing:	167 mg PETN
Bridgewire:	Gold
Header:	Plastic
Cup:	Plastic
Contacts:	Brass
Wire	Uses RISI twin lead high voltage blasting wire P/N 167-8559
Wire attachment:	Crimp (attached prior to shipment)

PERFORMANCE

*	Threshold burst current	180 amps
*	Threshold voltage	500 volts (approx.)
*	Threshold voltage Std. Dev.	75 volts maximum
*	Function time.....	5.0 μ sec. (approx.)
*	Function time Simultaneity	
	Standard deviation	0.500 μ sec. maximum

Note: Performance values are based on a firing circuit with the following parameters:

$$C = 1.0 \mu \text{ farad}, L = 0.65 \mu \text{ henry}, R = 0.16 \text{ ohm}$$

CAUTION: EBW detonators contain explosives and are classified as detonator class "1.4" and of course are designed to explode. They should be used in blasting operations only by or under the direction of a person experienced in the handling and use of explosives. Explosive users should bear in mind that every explosive can be detonated under certain critical conditions and all explosive handling, storage and usage regulations should be followed.

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