

**CHARACTERISTICS AND SPECIFICATIONS - ELECTRIC DETONATORS**

	Temperature and Pressure Resistant Detonators					Igniter
	Z 480	1018	1019 S	1020	1423	Igniter DYNAWELL
Base Charge	1000 mg RDX	1110 mg HMX	315 mg HNS	1746 mg HNS	1650 mg HNS	700 mg Black Powder
Primary Explosive	Pb N6	Pb N6	Pb N6	Pb N6	Pb N6	none
No Fire Current	0.2 A	0.2 A	0.2 A	0.2 A	0.2 A	0.2 A
All Fire Current	0.8 A	0.8 A	0.8 A	0.8 A	0.8 A	0.8 A
Temperature Resistance	150°C / 1hr 302°F / 1hr	180°C / 1hr 356°F / 1hr	190°C / 1hr 275°F / 1hr		260°C / 1hr 500°F / 1hr	150°C / 1hr 302°F / 1hr
Temperature and Pressure Resistance	150°C / 1000 bar / 1hr 302°F / 14500 psi / 1hr	180°C / 1000 bar / 2hr 356°F / 14500 psi / 2hr 190°C / 1100 bar / 1hr 374°F / 15800 psi / 1hr	190°C / 1000 bar / 1hr 374°F / 14500 psi / 1hr	200°C / 1000 bar / 1hr 392°F / 14500 psi / 1hr	230°C / 1400 bar / 1hr 446°F / 20300 psi / 1hr	n.a.
Outside Diameter (incl. Sleeve)	8.0 - 0.2 mm 0.315 - 0.008"	8.0 - 0.2 mm 0.315 - 0.008"	8.0 - 0.2 mm 0.315 - 0.0008"	8.0 - 0.2 mm 0.15 - 0.0008"	8.0 - 0.2 mm 0.315 - 0.008"	n.a.
Overall Length (incl. Sleeve)	111.0 - 0.5 mm 4.370 - 0.02"	111.0 - 0.5 mm 4.370 - 0.02"	70.0 - 1.0 <sup>1</sup> mm 2.775 - 0.02"	91.6 mm 3.606"	142.0 ± 1.0 <sup>2</sup> mm 5.591 ± 0.02"	79.0 mm 3.110"
Resistance	50 ± 2 ohm	50 ± 2 ohm	50 ± 2 ohm	50 ± 2 ohm	50 ± 2 ohm	50 ± 2 ohm
Fluid Desensitization	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

<sup>1</sup> Length without sleeve

<sup>2</sup> Sleeve can be unscrewed, without sleeve 102 mm (4.016")

All leg wires with length of 500mm (19.7")

**CHARACTERISTICS AND SPECIFICATIONS - ELECTRIC DETONATORS**

	Temperature Resistant Detonators		Temperature Resistant and Fluid Disabled Detonators			
	0015 S	0026 S	0015 FD	0026 FD	0015 FDS	0026 FDS
Base Charge	525 mg HNS	525 mg HNS	670 mg RDX	675 mg HNS	525 mg HNS 600 mg HMX	525 mg HNS 600 mg HNS
Primary Explosive	Pb N6	Pb N6	Pb N6	Pb N6	Pb N6	Pb N6
No Fire Current	0.2 A	0.2 A	0.2 A	0.2 A	0.2 A	0.2 A
All Fire Current	0.8 A	0.8 A	0.8 A	0.8 A	0.8 A	0.8 A
Temperature Resistance	150°C / 1hr 302°F / 1hr	250°C / 1hr 482°F / 1hr	150°C / 1hr 302°F / 1hr	260°C / 1hr 500°F / 1hr	150°C / 1hr 302°F / 1 hr	250°C / 1hr 482°F / 1hr
Temperature and Pressure Resistance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Outside Diameter (incl. Sleeve)	7.25 mm 0.285"	7.25 mm 0.285"	7.8 - 0.2 mm 0.307 - 0.008"	7.8 - 0.2 mm 0.307 - 0.008"	9.8 mm 0.386"	9.8 mm 0.386"
Overall Length (incl. Sleeve)	58.6 mm 2.307"	58.6 mm 2.307"	107.6 - 1.4 mm 4.236 - 0.055"	107.6 - 1.4 mm 4.236 - 0.055"	111.0 - 0.5 mm 4.370 - 0.02"	110.0 - 0.5 mm 4.370 - 0.02"
Resistance	50 ± 2 ohm	50 ± 2 ohm	50 ± 2 ohm	50 ± 2 ohm	50 ± 2 ohm	50 ± 2 ohm
Fluid Desensitization	n.a.	n.a.	2 min. in water	2 min. in water	in water	in water

*All leg wires with length of 500 mm (19.7")*

**CHARACTERISTICS AND SPECIFICATIONS - RF-SAFE DETONATORS**

	Temperature Resistant and Fluid Disabled Detonators		Temperature Resistant and Fluid Disabled Detonators	Igniter	Initiator
	0015 FDE	0026 FDE	1015 E	RF-Safe Igniter	HNS Percussion Initiator
Base Charge	600 mg RDX	675 mg HNS	1940 mg HMX	700 mg Black Powder	450 mg HNS
Primary Explosive	Pb N6	Pb N6	Pb N6	none	none
No Fire Current	n.a.	n.a.	n.a.	n.a.	n.a.
All Fire Current	Special Firing Panel Required	Special Firing Panel Required	Special Firing Panel Required	Special Firing Panel Required	n.a.
Temperature Resistance	150°C / 1hr 302°F / 1hr	260°C / 1hr 500°F / 1hr (with flask)	150°C / 1hr 302°F / 1 hr	150°C / 1hr 302°F / 1hr	250°C / 1hr 482°F / 1hr 230°C / 10hr 446°F / 10 hr
Temperature and Pressure Resistance	n.a.	n.a.	150°C / 1,000 bar / 1hr 302°F / 14,500 psi / 1 hr	n.a.	250°C / 1,400 bar / 1hr 482°F / 20,300 psi / 1hr 230°C / 1,400 bar / 10hr 446°F / 20,300 psi / 10 hr
Outside Diameter (incl. Sleeve)	7.8 - 0.2 mm 0.307 - 0.008"	7.8 - 0.2 mm 0.307 - 0.008"	11.0 - 0.5 mm 0.433 - 0.02"	n.a.	27.94 mm 1.1"
Overall Length (incl. Sleeve)	107.6 - 1.4 mm 4.236 - 0.055"	107.6 - 1.4 m 4.236 - 0.055"	125.0 ± 1.0 mm 4.921 ± 0.04"	79.0 mm 3.110"	21.6 mm 0.85"
Resistance	10 k-ohm	10 k-ohm	10 k-ohm	10 k-ohm	n.a.
Fluid Desensitization	2 min. in water	2 min. in water	n.a.	n.a.	n.a.

All leg wires with length of 500 mm (19.7")