

RIONEL™ DDE

Non-Electric Dual Delay Detonator

Previously ZIPDET DD

www.maxam-na.com



1.1B & 1.4B

The RIONEL™ DDE of a length of shock tube with an in-hole detonator on one end and a surface connector on the other.

The RIONEL™ DDE connector has an anti-slip grip which makes it easier to handle in cold weather.

The RIONEL™ DDE coil is easy to deploy and is tangle free.

The RIONEL™ DDE connector is designed to initiate one to eight tubes.

The shock tube is designed to elongate and avoid tensile stress damage during normal mining and construction conditions.



Advantages

- Safe, reliable and user friendly
- Safe against extraneous electrical currents
- Laser delay tag printing provides clear and smudge resistant timing and product information
- The design, colors, labels and packaging ease its visibility and identification
- The fastening band is easy to break manually to achieve a quicker loading operation

1.1B Transportation Classification	1.4B Transportation Classification
Packaging Single Package container (no subpacks). Internal layers and dividers based on lead lengths and quantities per case for easy counting.	Packaging There are two subpacks in each case divided into two cubes. The subpacks are legal shipping containers and can be removed for individual shipping. Every layer within the cube is divided by a fiberboard separator for easy counting.
Hazardous Material Classification Detonator Assemblies, Non-Electric Class and Division 1.1B PG II, UN 0360	Hazardous Material Classification Detonator Assemblies, Non-Electric Class and Division 1.4B PG II, UN 0361

Surface Time (ms) / In-hole Time (ms)

0 / 500		Brown
9 / 500		Green
17 / 500		Yellow
25 / 500		Red
33 / 500		Lime Green
42 / 500		White
67 / 500		Black
100 / 500		Blue
150 / 500		Purple
200 / 500		Orange

*Standard Product List. Ask your Maxam representative for this product's specific delay combinations and lengths



Case Dimensions (L*W*H)
 1.1B: 17.25" x 19.75" x 9.5" (438mm x 502mm x 241mm)
 1.4B: 16.25" x 23" x 14.75" (375mm x 584mm x 375mm)

Packaging 1.1B

Feet	Meters	Units per Case	Units per Row	NEM per Case (kg)
12	3.7	120	30	0.14
16	4.9	120	30	0.14
20	6.1	120	25	0.14
24	7.3	100	25	0.12
30	9.1	100	25	0.12
40	12.2	72	18	0.08
50	15.2	64	16	0.07
60	18.3	60	15	0.07
80	24.4	40	10	0.05
100	30.5	40	10	0.05
120	36.6	40	10	0.05

*Additional delays may be available by special order.

Packaging 1.4B

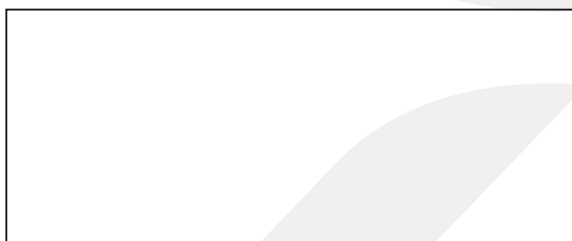
Feet	Meters	Units per Case	Units per Sub	NEM per Case (kg)
12	3.7	160	80	0.18
16	4.9	160	80	0.18
20	6.1	160	80	0.18
24	7.3	144	72	0.17
30	9.1	128	64	0.15
40	12.2	96	48	0.11
50	15.2	72	36	0.08
60	18.3	72	36	0.08
80	24.4	60	30	0.07
100	30.5	48	24	0.06
120	36.6	48	24	0.06

*Additional delays may be available by special order.

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