

Millisecond (MS) and Tuff Tube (TT)



Characteristics

Precise millisecond delay timing
Combination coil assures tangle free deployment
High abrasion resistance and tensile strength

Applications

The ZipDet[®] MS detonator assemblies are designed for surface and underground applications where at least one free face is available. For extremely rugged conditions, the product is available with tuff tube, which offers superior abrasion resistance and tensile strength.

The ZipDet[®] MS consists of a length of shock tube with a precise millisecond in-hole detonator on one end and a "T" connector on the other end.

The "T" connector permits secure connections to detonating Cord trunklines.

ZipDet[®] MS units are also available with Tuff Tube (TT) for added abrasion resistance and tensile strength.



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 1.4B
UN 0361

Delay Times			
Period No.	Milliseconds	Period No.	Milliseconds
0	0	13	325
1	25	14	350
2	50	15	275
3	75	16	400
4	100	17	425
5	125	18	450
6	150	19	475
7	175	20	500
8	200	24	600
9	225	28	700
10	250	32	800
11	275	36	900
12	300	40	1,000

Packaging Information						
Feet	Meters	Units per box	Units per sub	Lbs	Kg	NEM per box
8	2.4	160	80	28	12.7	0.28 lbs
12	3.6	160	80	31	14	0.28 lbs
16	4.9	160	80	33	15	0.28 lbs
20	6.1	160	80	37	16	0.28 lbs
24	7.3	160	80	41	18.6	0.28 lbs
30	9	144	72	36	16	0.25 lbs
40	12	96	48	24	15.5	0.17 lbs
50	15	72	36	27	17	0.13 lbs
60	18	72	36	29	17.7	0.13 lbs
80	24	60	30	40	18	0.11 lbs
100	30	48	24	40	18	0.08 lbs

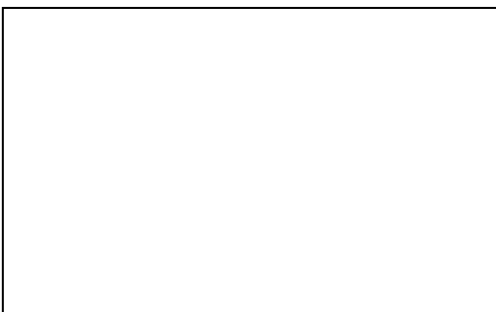
Case Size 23" x 16.5" x 14.75" (584mm x 419mm x 375mm)

NEM= Net Explosive Mass

Exclusion of Responsibility

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For further information about ZIPDET[®] Millisecond and Tuff Tube detonators or any of Maxam North America's products and services please contact your sales representative or the plant/office listed below.



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