

Daveynel® Downhole

Non-Electric Detonator

DESCRIPTION

Daveynel® Downhole detonators consist of a standard delay or a long period delay #8 Strength (USBM) detonator and a length of non-electric shocktube. They are used to initiate cast boosters in surface and underground mining as well as quarries and construction blasting. They can be used to initiate detonator sensitive packaged emulsions or dynamite. An optional J-Hook is available for use with detonating cord.



DAVEYNEL® DOWNHOLE TECHNICAL CHARACTERISTICS

	SP	LP
Detonator Base Charge	800mg PETN	800mg PETN
Detonator Shell Material	Aluminum Alloy	Aluminum Alloy
Nominal Delays	25 ms to 500 ms in 25 ms increments	100 ms to 8,000 ms
Shocktube Color	Orange	White
Shocktube VOD ft/s (m/s)	6,650 (2,000)	6,650 (2,000)
Tensile Strength	38 lbF – 170 N	38 lbF – 170 N
Abrasion Resistance	Compliant with EN 13763-4	
Water Resistance	58 psi or 4 bar for 7 days	
Temperatures	Operating: -22° F to +122° F or -30° C to +50° C – Storage: -40° F to +158° F or -40° C to +70° C	
Shelf Life	24 months	
Identification	Track and Trace datamatrix	
Case Dimensions	18.1" x 9.6" x 12.6" (2,201 in ³) – 46 x 24.5 x 33 cm (0.036m ³)	

Transport and UN Numbers

UN 0360 – 1.1B
UN 0500 – 1.4S



DAVEYNEL® DOWNHOLE DELAYS

SP Delays				LP Delays					
Delay (ms)	Ref	Delay (ms)	Ref	Delay (ms)	Ref	Delay (ms)	Ref	Delay (ms)	Ref
25	SP01	275	SP 11	100	LP 01	1000	LP 10	3500	LP 35
50	SP02	300	SP 12	200	LP 02	1100	LP 11	4000	LP 40
75	SP 03	325	SP 13	300	LP 03	1200	LP 12	4500	LP 45
100	SP 04	350	SP 14	400	LP 04	1400	LP 14	5000	LP 50
125	SP 05	375	SP 15	500	LP 05	1600	LP 16	6000	LP 60
150	SP 06	400	SP 16	600	LP 06	1800	LP 18	6500	LP 65
175	SP 07	425	SP 17	700	LP 07	2000	LP 20	7000	LP 70
200	SP 08	450	SP 18	800	LP 08	2500	LP 25	7500	LP 75
225	SP 09	475	SP 19	900	LP 09	3000	LP 30	8000	LP 80
250	SP 10	500	SP 20						

DAVEYNEL® DOWNHOLE LENGTHS AND QUANTITIES

	11.8' 3.6 m	15.7' 4.8 m	19.7' 6 m	25.6' 7.8 m	29.5' 9 m	32.8' 10.2 m	39.4' 12 m	49.2' 15 m	59.1' 18 m	69' 21 m	78.7' 24 m	88.5' 27 m	98.4' 30 m	147.6' 45 m	197' 60 m
Units per Case (1.1B)	-	160	140	120	-	80	80	60	50	-	40	-	30	-	-
Case Wt (1.1B) lb (kg)	-	15 (6.8)	15.5 (7)	16.5 (7.5)	-	13.5 (6)	15.5 (7)	14.2 (6.4)	14 (6.3)	-	16.5 (7.5)	-	14 (6.3)	-	-
Units per Case (1.4S)	120	120	100	80	75	75	75	60	60	45	45	40	35	21	18
Case Wt (1.4S) lb (kg)	19.8 (9)	22 (10)	22 (10)	22 (10)	19.8 (9)	22 (10)	24.3 (11)	22 (10)	33 (15)	26.5 (12)	28.7 (13)	28.7 (13)	28.7 (13)	28.7 (13)	28.7 (13)

Products described herein are potentially hazardous and must be used in accordance with applicable health and safety standards, federal and state laws, rules and other statutory or regulatory provisions. Personnel using Daveynel® Downholes should undertake specific training in the use and handling, relevant to their application. The manufacturer cannot anticipate all of the possible applications for its products. The information is believed to be accurate, though no warranties are made, expressed or implied.