

BasixTM

**GET MORE
FOR LESS**



GEOdynamics[®]

Basix™

Impressive Quality at an Equally Impressive Price Point

High-performing and budget conscious, Basix™ takes standard shaped charge technology and kicks it up a notch.

GOOD HOLE

Carrier O.D.	Shaped Charge	Part Number	Perforating Condition	Explosive	Shot Density / Phasing	Casing O.D.	Performance in Concrete		Performance in Stressed Berea	
						Application	EHD (in)[cm]	TTP (in)[cm]	EHD^ (in)[cm]	TTP (in)[cm]
2"	2007 Basix GH	EC1-20A0741	In Fluid or Dry	6.8g, RDX	4 spf / 0°	3-1/2" L-80				
		EC1-20A0742		6.8g, HMX			0.36 [0.91]	20.52 [52.12]		
3-1/8"	3319 Basix GH	EC2-33A1941	‡ Fluid or Dry	19.0g, RDX	6 spf / 60°	4-1/2" L-80	0.60 [1.52]	28.55 [72.52]		
		EC2-33A1942		19.0g, HMX						
	3323 Basix GH	EC2-33A2341-E	Fluid	22.7g, RDX	6 spf / 60°	5-1/2" L-80 4-1/2"	0.48 [1.22]	31.40 [79.76]		
		EC2-33A2342-E		22.7g, HMX						
3-3/8"	3323 Basix GH	EC2-33A2341	In Fluid or Dry	22.7g, RDX	6 spf / 60°	4-1/2" L-80	0.52 [1.32]	33.58 [85.29]		
		EC2-33A2342		22.7g, HMX						
	3325 Basix GH	EC2-33B2541	Fluid	25.0g, RDX	6 spf / 60°	4-1/2" L-80	0.57 [1.45]	25.91 [65.81]	0.50 [1.27]	16.50 [41.91]
5-1/8"	3319 Basix GH	EC2-33A1941-EG	Fluid	† 19.0g, RDX	22 spf / 140°-20°	7-5/8"	0.37 [0.94]	25.20 [64.01]		
		EC2-33A1942-EG		† 19.0g, HMX						
7"	4039 Basix GH	EC2-40A3941	Fluid	39.0g, RDX	12 spf / 135°-45°	9-5/8"	0.80 [2.03]	15.42 [39.17]		
		EC2-40A3942		39.0g, HMX						

‡ For 3-1/8" 19g in dry gas, maximum shot density is 5 spf or limited to one- (1) and two- (2) shot short guns only.

† 33A charge case must be grooved. For 5-1/8" 22 spf, max. explosive load is 19g.

BIG HOLE

Carrier O.D.	Shaped Charge	Part Number	Perforating Condition	Explosive	Shot Density / Phasing	Casing O.D.	Performance in Concrete		Performance in Stressed Berea	
						Application	EHD (in)[cm]	TTP (in)[cm]	EHD^ (in)[cm]	TTP (in)[cm]
3-1/8"	3323 Basix BH	EC2-33A2331	Fluid	22.7g, RDX	6 spf / 60°	4-1/2" L-80	0.78 [1.98]	7.60 [19.30]		
		EC2-33A2332		22.7g, HMX			0.79 [2.01]	7.80 [19.81]		
3-3/8"	3323 Basix BH	EC2-33A2331	Fluid	22.7g, RDX	6 spf / 60°	5-1/2" L-80	0.70 [1.78]	5.79 [14.71]	0.69 [1.75]	4.05 [10.29]
		EC2-33A2332		22.7g, HMX						
4-1/2"	3323 Basix BH	EC2-33A2331	Fluid	22.7g, RDX	12 spf/135°-45°	7.0" L-80	0.81 [2.06]	5.28 [13.41]	0.78 [1.98]	5.00 [12.70]
		EC2-33A2332		22.7g, HMX					0.80 [2.03]	5.30 [13.46]
		EC2-40A3931	Fluid	39.0g, RDX	5 spf / 60°	7.0" L-80	0.86 [2.18]	6.13 [15.57]		
	4039 Basix BH	EC2-40A3932		39.0g, HMX						

SUPER BIG HOLE

Carrier O.D.	Shaped Charge	Part Number	Perforating Condition	Explosive	Shot Density / Phasing	Casing O.D.	Performance in Concrete		Performance in Stressed Berea	
						Application	EHD (in)[cm]	TTP (in)[cm]	EHD^ (in)[cm]	TTP (in)[cm]
3-1/8"	3112 Basix SBH	EC2-31B1231	Fluid	12.0g, RDX	12 spf/150°	5.0" L-80	0.70 [1.78]	5.60 [14.22]	0.65 [1.65]	4.60 [11.68]
		EC2-31B1232		12.0g, HMX	12 spf/135°-45°					
3-3/8"	3112 Basix SBH	EC2-31B1231	Fluid	12.0g, RDX	12 spf/150°	5-1/2" L-80	0.71 [1.80]	5.88 [14.94]	0.66 [1.68]	4.70 [11.94]
		EC2-31B1232		12.0g, HMX						
4-1/2"	4526 Basix SBH TL	EC2-45B2631	Fluid	26.0g, RDX	12 spf/135°-45°	7.0" L-80	0.87 [2.21]	5.67 [14.40]		
		EC2-45B2632		26.0g, HMX	16 spf/ 140°-20°		0.93 [2.36]	5.77 [14.66]		
4-5/8"	4526 Basix SBH TL	EC2-45B2631	Fluid	26.0g, RDX	16 spf/ 140°-20°	7.0" L-80	0.94 [2.39]	6.27 [15.93]		
		EC2-45B2632		26.0g, HMX						
		EC2-46B2631		26.0g, RDX						
	4626 Basix SBH TL	EC2-46B2631		26.0g, RDX			0.94 [2.39]	6.27 [15.93]		
		EC2-46B2632		26.0g, HMX						

Maximum shot density in 4-1/2" carrier is 12 spf. Charge cases 45B, 46A, 46B with 26g load are compatible with 4-1/2" carrier and 4046A load tube. Charge cases 45A & 46A are zinc; charge cases 45B & 46B are steel.

FLUID: Qualified for shooting in FLUID only with perforating systems qualified by GEODynamics.

IN FLUID or DRY: Qualified for shooting in FLUID or DRY GAS with perforating systems qualified by GEODynamics.

Performance in concrete represents API RP43 or API RP19B Section I testing results with the shot density/phasing, casing OD, and casing grade specified.

^EHD performance in stressed berea represents API RP19B Section 2 testing results with casing flat metal plate equivalent to 0.500" 120KSI yield and penetration (TTP) in stressed berea rock.

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EXTREME DEEP PENETRATING

Carrier O.D.	Shaped Charge	Part Number	Perforating Condition	Explosive	Shot Density / Phasing	Casing O.D.	Performance in Concrete		Performance in Stressed Berea	
						Application	EHD (in)[cm]	TTP (in)[cm]	EHD [^] (in)[cm]	TTP (in)[cm]
1-3/4"	1705E Basix XDP	EC1-17A0521-E	Fluid	5.1g, RDX	6 spf / 60°	4-1/2"				
		EC1-17A0522-E		5.1g, HMX						
2"	2007E Basix XDP	EC1-20A0721-E	Fluid	6.8g, RDX	6 spf / 60°	3-1/2" L-80	0.25 [0.64]	16.42 [41.71]		
		EC1-20A0722-E		6.8g, HMX			0.25 [0.64]	20.70 [52.58]	0.24 [0.61]	8.40 [21.34]
2-3/8"	2311 Basix XDP	EC2-23A1121-E	Fluid	11.0g, RDX	6 spf / 60°	3-1/2"				
		EC2-23A1122-E		11.0g, HMX					0.30 [0.76]	9.00 [22.86]
2-1/2"	2511 Basix XDP	EC2-25A1121-E	Fluid	11.5g, RDX	6 spf / 60°	3-1/2"			0.30 [0.76]	9.10 [23.11]
		EC2-25A1122-E		11.5g, HMX						
2-3/4"	2715 Basix XDP	EC2-27A1521-E	In Fluid or Dry	15.0g, RDX	6 spf / 60°	4-1/2" L-80	0.39 [0.99]	31.78 [80.72]	0.32 [0.81]	9.40 [23.88]
		EC2-27A1522-E		15.0g, HMX			0.38 [0.97]	32.75 [83.19]	0.35 [0.89]	10.60 [26.92]
2-7/8"	2715 Basix XDP	EC2-27A1521-E	In Fluid or Dry	15.0g, RDX	6 spf / 60°	4-1/2"			0.32 [0.81]	9.40 [23.88]
		EC2-27A1522-E		15.0g, HMX						
	2818 Basix XDP	EC2-28A1821-E	Fluid	18.0g, RDX					0.47 [1.19]	10.70 [27.18]
		EC2-28A1822-E		18.0g, HMX						
3-1/8"	3319 Basix XDP	EC2-33A1921-E	Fluid	19.0g, RDX	6 spf / 60°	4-1/2" L-80	0.43 [1.09]	35.80 [90.93]		
		EC2-33A1922-E		19.0g, HMX						
	3319 Basix XDP	EC2-33A1921-EG	‡ Fluid or Dry	19.0g, RDX			0.43 [1.09]	35.70 [90.68]		
		EC2-33A1951		19.0g, RDX			0.54 [1.37]	29.20 [74.17]		
	3319 Basix DP	EC2-33A1952	‡ Fluid or Dry	19.0g, HMX						
		EC2-33A2321-E		22.7g, RDX			0.42 [1.07]	46.01 [116.87]	0.39 [0.99]	12.30 [31.24]
	3323 Basix XDP	EC2-33A2322-E	Fluid	22.7g, HMX			0.43 [1.09]	46.37 [117.78]		
		EC2-33A2321-EG		22.7g, RDX					0.41 [1.04]	11.90 [30.23]
3-3/8"	3323 Basix XDP	EC2-33A2321-E	In Fluid or Dry	22.7g, RDX	6 spf / 60°	4-1/2" L-80	0.43 [1.09]	45.70 [116.08]	0.40 [1.02]	11.90 [30.23]
		EC2-33A2322-E		22.7g, HMX			0.44 [1.12]	46.90 [119.13]		
	3323 Basix GH	EC2-33A2321-EG	Fluid	22.7g, RDX					0.41 [1.04]	11.90 [30.23]
		EC2-33A2322-EG		22.7g, HMX					0.40 [1.02]	11.90 [30.23]
	3323 Basix DP	EC2-33A2351	In Fluid or Dry	22.7g, RDX			0.47 [1.19]	32.10 [81.53]		
		EC2-33A2352		22.7g, HMX						
	3325 Basix XDP	EC2-33B2521-E	Fluid	25.0g, RDX			0.45 [1.14]	50.08 [127.20]	0.40 [1.02]	12.30 [31.24]
		EC2-33B2522-E		25.0g, HMX			0.47 [1.19]	47.42 [120.45]		
4"	3325 Basix XDP	EC2-33B2521-E	Fluid	25.0g, RDX	6 spf / 60°	5-1/2"			0.44 [1.18]	12.50 [31.75]
		EC2-33B2522-E		25.0g, HMX					0.44 [1.18]	12.70 [32.26]
4-1/2"	4039 Basix XDP	EC2-40A3921-E	Fluid	39.0g, RDX	4 spf / 60°	5-1/2"			0.56 [1.42]	16.10 [40.89]
		EC2-40A3922-E		39.0g, HMX					0.44 [1.12]	16.30 [41.40]
4-5/8"	4039 Basix XDP	EC2-40A3921-E	Fluid	39.0g, RDX	5 spf / 60°	7.0"	0.44 [1.12]	51.97 [132.00]	0.44 [1.12]	16.30 [41.40]
		EC2-40A3922-E		39.0g, HMX					0.56 [1.42]	16.10 [40.89]
5-1/8"	3319 Basix DP	EC2-33A1921-EG	Fluid	‡ 19.0g, RDX	22 spf / 140°-20°	7-5/8"	0.36 [0.91]	26.30 [66.80]		
		EC2-33A2321-E		‡ 22.7g, RDX			0.38 [0.97]	28.10 [71.37]		
7"	4039 Basix XDP	EC2-33A2322-E	Fluid	‡ 22.7g, HMX	12 spf / 135°-45°	7-5/8"				
		EC2-40A3921-E		39.0g, RDX					0.50 [1.27]	15.70 [39.88]
		EC2-40A3922-E		39.0g, HMX						

‡ For 3-1/8" 19g in dry gas, maximum shot density is 5 spf or limited to one- (1) and two- (2) shot short guns only.

† 33A charge case must be grooved. For 5-1/8" 12 spf, max. explosive load is 22.7g. For 22 spf, max. explosive load is 19g.

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