

Titan Energetics Division Announces

The Renegade[®]

Capsule Shaped Charge

<u>Gun Diameter</u> (nominal)	<u>Charge Part #</u>	<u>API E.H.D.</u>	<u>API Total Depth</u>
1-11/16" (43.0 mm)	CAP-1608-420T (HMX) CAP-1608-320T (RDX)	0.24" (6.10 mm)	19.10" (485.14 mm)

**1-11/16" System Running Diameter is 1.718" (43.64 mm).
Recommended Minimum running I. D. is 1.781" (45.24 mm).**

2-1/8" (54.0 mm)	CAP-2115-420T (HMX) CAP-2115-320T (RDX)	0.27" (6.86 mm)	31.23" (793.24 mm)
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**2-1/8" System Running Diameter is 2.188" (55.58 mm).
Recommended Minimum running I. D. is 2.250" (57.15 mm).**

Pressure rated to 15,000 P.S.I. (103 mPa)
Temperature rated (for 1 hr.) to 365° F. (185° C)

- **Economical**
 - **Versatile**
 - **100% Gas Pressure Tested**

Lowest Charge Debris Rate in the Industry!

	Pipe I.D.		Linear Fill @ 4 Charges	Linear Fill @ 6 Charges
1-11/16" Charge (43.0 mm)	1.995"	(50.67 mm)	.844" (21.44 mm)	1.266" (32.16 mm)
	2.441"	(62.00 mm)	.564" (14.33 mm)	.846" (21.49 mm)
	4.00"	(101.6 mm)	.212" (5.38 mm)	.318" (8.08 mm)
2-1/8" Charge (54.0 mm)	2.441"	(62.00 mm)	1.044" (26.52 mm)	1.566" (39.78 mm)
	3.476"	(88.29 mm)	.516" (13.11 mm)	.774" (19.66 mm)
	4.00"	(101.6 mm)	.388" (9.86 mm)	.582" (14.78 mm)

