

4 SPF (13 SPM) GUNFACTS®

Strip Material:	Mild steel
Strip Configuration:	Threaded
Charge Loading Method:	Threaded into formed strip
Mode of Fire:	Simultaneous
Type of Tandem Connection:	Continuous
Initiation Point:	TOP fired only
Recommended Detonating Cord:	80 grains/foot, extra high velocity

Phasing	0°
Strip Part Number	0215-1**-041
Nominal O.D. (in)[mm]	1.72 [44]
Nominal Strip Thickness (in)[mm]	0.11 [3]
Typical Gun Swell at Ambient Conditions (in)[mm]	
Ambient Liquid	N/A
Ambient Gas	N/A
Min. Recommended Restriction (in)[mm]	1.78 [45]
Drift Gauge I.D. for Gun O.D. (in)[mm]	1.74 [44] using Gauge Length 12in [305]
Min. Recommended Washover Pipe Clearance:	
Casing Drift I.D. to Nom. Washover O.D. (in)[mm]	N/A
Washover Drift I.D. to Nom. Gun O.D. (in)[mm]	N/A
Max. Hardware Temperature (°F)[°C]	500 [260]
Max. Pressure (psi)[MPa]	15,000 [103]
Min. Detonating Cord Velocity (ft/s)[m/s]	23,000 [7,000]
Typical Length (ft)[m]	
4 ft (12 shots)	3.67 [1.12]
7 ft (24 shots)	6.67 [2.03]
11 ft (40 shots)	10.67 [3.25]
Gun End to Top Shot Distance (in)[mm]	5.50 [140]
Approximate Weight Fully Loaded (lb/ft)[kg/m]	2.0 [3.0]
Max. Tension (lbf)[kN]	2,400 [11]
Charge Hole Thread Type	5/8" – 24 TPI

** Gun length. Example: Use "07" for 7ft gun; etc.

API PERFORMANCE OF CHARGES COMPATIBLE WITH 1-11/16IN, 4 SPF GUN SYSTEM

Charge Name	Charge Type	Charge Part Number†	Explosive Weight (g)	Shot Density (spf)[spm], Phasing	Entrance Hole (in)[mm]	Penetration (in)[cm]	Burr Height (in)[cm]	Casing Size (in)[mm]	Target Strength (psi)[MPa]
PERFECTA	SDP	CAP-1708-421T	8.0	4 [13], 0°	0.24 [6]	20.41 [51.84]	0.05 [0.13]	4-1/2 [114]	7,170 [49.4]
-	BH	<i>CAP-1708-310B</i>	8.0	6 [20], 0°	0.59 [15]	5.01 [12.73]	0.06 [0.15]	4-1/2 [114]	6,215 [42.9]

Note: All charges available with RDX, HMX and HNS. Table displays charges that have been API-19B or API RP-43 certified

Bold indicates API-19B certification. *Italics indicate API RP-43 certification*

† xxx-xxxx-3xxx for RDX, xxx-xxxx-4xxx for HMX, xxx-xxxx-5xxx for HNS

1-11/16 in (43mm) Capsule Gun

6 SPF (20 SPM) GUNFACTS®

Strip Material:	Mild steel
Strip Configuration:	Threaded
Charge Loading Method:	Threaded into formed strip
Mode of Fire:	Simultaneous
Type of Tandem Connection:	Continuous
Initiation Point:	TOP fired only
Recommended Detonating Cord:	80 grains/foot, extra high velocity

Phasing	0°
Strip Part Number	0215-1**-061
Nominal O.D. (in)[mm]	1.72 [44]
Nominal Strip Thickness (in)[mm]	0.11 [3]
Typical Gun Swell at Ambient Conditions (in)[mm]	
Ambient Liquid	N/A
Ambient Gas	N/A
Min. Recommended Restriction (in)[mm]	1.78 [45]
Drift Gauge I.D. for Gun O.D. (in)[mm]	1.74 [44] using Gauge Length 12in [305]
Min. Recommended Washover Pipe Clearance:	
Casing Drift I.D. to Nom. Washover O.D. (in)[mm]	N/A
Washover Drift I.D. to Nom. Gun O.D. (in)[mm]	N/A
Max. Hardware Temperature (°F)[°C]	500 [260]
Max. Pressure (psi)[MPa]	15,000 [103]
Min. Detonating Cord Velocity (ft/s)[m/s]	24,750 [7,500]
Typical Length (ft)[m]	
4 ft (18 shots)	3.67 [1.12]
7 ft (36 shots)	6.67 [2.03]
11 ft (60 shots)	10.67 [3.25]
Gun End to Top Shot Distance (in)[mm]	5.00 [127]
Approximate Weight Fully Loaded (lb/ft)[kg/m]	2.0 [3.0]
Max. Tension (lbf)[kN]	2,400 [11]
Charge Hole Thread Type	5/8" – 24 TPI

** Gun length. Example: Use "07" for 7ft gun; etc.

API PERFORMANCE OF CHARGES COMPATIBLE WITH 1-11/16IN, 6 SPF GUN SYSTEM

Charge Name	Charge Type	Charge Part Number [†]	Explosive Weight (g)	Shot Density (spf)[spm], Phasing	Entrance Hole (in)[mm]	Penetration (in)[cm]	Burr Height (in)[cm]	Casing Size (in)[mm]	Target Strength (psi)[MPa]
PERFECTA	SDP	CAP-1708-421T	8.0	4 [13], 0°	0.24 [6]	20.41 [51.84]	0.05 [0.13]	4-1/2 [114]	7,170 [49.4]
-	BH	<i>CAP-1708-310B</i>	8.0	6 [20], 0°	0.59 [15]	5.01 [12.73]	0.06 [0.15]	4-1/2 [114]	6,215 [42.9]

Note: All charges available with RDX, HMX and HNS. Table displays charges that have been API-19B or API RP-43 certified

Bold indicates API-19B certification. Italics indicate API RP-43 certification

[†] xxx-xxxx-3xxx for RDX, xxx-xxxx-4xxx for HMX, xxx-xxxx-5xxx for HNS