



## Extreme Charges.

Extreme's Charges were developed to provide consistently large perforation entrance holes across a range of gun standoffs. This uniformity is achieved without a loss of penetration depth. Consistent entrance holes increase the area open to flow for each perforation, which decreases the pressure drop across the perforation and lowers treating pressures. Fracturing operational risk is reduced while efficiency is increased.

These charges are compatible with industry-standard gun systems and features consistent hole size for all gun string configurations. A variety of charges have been developed to include D and LE charges, or Deep Penetration and Limited Entry. Call or e-mail an Extreme representative using the contact information below to get your customized quote or modeling for any of our charges today!





## Equal Entry Hole Charges.

### S2906, RDX

Specifications	
Gun Size (in)	2 3/4 or 2 7/8
Charge Part Number	102902593
Charge Name	S2906, RDX
Explosive Load (g)	15.4
Temp. Rating - 1 hr (°F)	340
Temp. Rating - 100 hr (°F)	240

Packaging Info	
Gross Weight (lbs)	37.0
Net Weight (lbs)	30.0
Quantity per Box	100
Shelf Life (yrs)	10
UN Number	440
Hazard Class	1.4D
Box size (in)	20 x 13 x 8

Penetration Data					
Gun Size (in)	Casing Size	Shot Density, Phasing	Entrance Hole (in)	Penetration (in)	Test
2 7/8	4.5 in. 11.6# L80	6 spf / 60 deg	0.47	14.40	QC

### S3106, RDX

Specifications	
Gun Size (in)	3 1/8 or 3 3/8
Charge Part Number	101287482
Charge Name	S3106, RDX
Explosive Load (g)	19.4
Temp. Rating - 1 hr (°F)	340
Temp. Rating - 100 hr (°F)	240

Packaging Info	
Gross Weight (lbs)	63.0
Net Weight (lbs)	55.0
Quantity per Box	100
Shelf Life (yrs)	10
UN Number	440
Hazard Class	1.4D
Box size (in)	20 x 13 x 8

Penetration Data					
Gun Size (in)	Casing Size	Shot Density, Phasing	Entrance Hole (in)	Penetration (in)	Test
3 1/8	4.5 in. 11.6# L80	6 spf / 60 deg	0.49	19.90	API RP 19B
3 1/8	5.5 in. 23# P110	6 spf / 60 deg	0.38	18.30	QC

### S3406, RDX

Specifications	
Gun Size (in)	3 1/8 or 3 3/8
Charge Part Number	101287566
Charge Name	S3406, RDX
Explosive Load (g)	22.7
Temp. Rating - 1 hr (°F)	340
Temp. Rating - 100 hr (°F)	240

Packaging Info	
Gross Weight (lbs)	62.5
Net Weight (lbs)	55.0
Quantity per Box	100
Shelf Life (yrs)	10
UN Number	440
Hazard Class	1.4D
Box size (in)	20 x 13 x 8

Penetration Data					
Gun Size (in)	Casing Size	Shot Density, Phasing	Entrance Hole (in)	Penetration (in)	Test
3 1/8	5.5 in. 23# P110	6 spf / 60 deg	0.41	17.50	QC
3 3/8	5 in. 15# L80	6 spf / 60 deg	0.52	19.20	QC
3 3/8	5.5 in. 23# P110	6 spf / 60 deg	0.45	19.20	QC



## Premium Charges.

### S2906D, RDX

Specifications	
Gun Size (in)	2 3/4 or 2 7/8
Charge Part Number	101454945
Charge Name	S2906D, RDX
Explosive Load (g)	15.4
Temp. Rating - 1 hr (°F)	340
Temp. Rating - 100 hr (°F)	240

Packaging Info	
Gross Weight (lbs)	38.0
Net Weight (lbs)	30.0
Quantity per Box	100
Shelf Life (yrs)	10
UN Number	440
Hazard Class	1.4D
Box size (in)	20 x 13 x 8

Penetration Data						
Gun Size (in)	Casing Size	Shot Density, Phasing	Entrance Hole (in)	Penetration (in)	Test	
2 7/8	4.5 in. 11.6# L80	6 spf / 60 deg	0.33	24.10	API RP 19B	

### S3106D, RDX

Specifications	
Gun Size (in)	3 1/8 or 3 3/8
Charge Part Number	100920037
Charge Name	S3106D, RDX
Explosive Load (g)	19.4
Temp. Rating - 1 hr (°F)	340
Temp. Rating - 100 hr (°F)	240

Packaging Info	
Gross Weight (lbs)	65.4
Net Weight (lbs)	58.4
Quantity per Box	100
Shelf Life (yrs)	10
UN Number	440
Hazard Class	1.4D
Box size (in)	20 x 13 x 8

Penetration Data						
Gun Size (in)	Casing Size	Shot Density, Phasing	Entrance Hole (in)	Penetration (in)	Hole Variation (STDEV)	Test
3 1/8	4.5 in. 11.6# L80	6 spf / 60 deg	0.40	35.40	2.8%	API RP 19B
3 1/8	5.5 in. 23# P110	6 spf / 60 deg	0.35	35.40	5.7%	QC
3 3/8	5.5 in. 23# P110	6 spf / 60 deg	0.35	35.40	2.7%	QC

### S3406D, RDX

Specifications	
Gun Size (in)	3 1/8 or 3 3/8
Charge Part Number	101267229
Charge Name	S3406D, RDX
Explosive Load (g)	21.6
Temp. Rating - 1 hr (°F)	340
Temp. Rating - 100 hr (°F)	240

Packaging Info	
Gross Weight (lbs)	65.5
Net Weight (lbs)	58.5
Quantity per Box	100
Shelf Life (yrs)	10
UN Number	440
Hazard Class	1.4D
Box size (in)	20 x 13 x 8

Penetration Data						
Gun Size (in)	Casing Size	Shot Density, Phasing	Entrance Hole (in)	Penetration (in)	Hole Variation (STDEV)	Test
3 1/8	5.5 in. 23# P110	6 spf / 60 deg	0.40	35.60	5.5%	QC
3 3/8	5 in. 15# L80	6 spf / 60 deg	0.42	35.60	6.2%	API RP 19B
3 3/8	5.5 in. 23# P110	6 spf / 60 deg	0.40	35.60	3.5%	QC



## Limited Entry Charges.

### S3106LE, RDX

Specifications	
Gun Size (in)	3 1/8 or 3 3/8
Charge Part Number	103187958
Charge Name	S3106LE, RDX
Explosive Load (g)	18.4
Temp. Rating - 1 hr (°F)	340
Temp. Rating - 100 hr (°F)	240

Packaging Info	
Gross Weight (lbs)	65.5
Net Weight (lbs)	58.6
Quantity per Box	100
Shelf Life (yrs)	10
UN Number	440
Hazard Class	1.4D
Box size (in)	20 x 13 x 8

Penetration Data						
Gun Size (in)	Casing Size	Shot Density, Phasing	Entrance Hole (in)	Penetration (in)	Hole Variation (STDEV)	Test
3 1/8	5.5 in. 23# P110	6 spf / 60 deg	0.30	30.50	4.6%	QC