



BPI Premium Field Wads:

RANGER ELITE™

Loading the Ranger Elite

The one-piece 12-gauge hunting wad designed specifically for elite field loads. The Ranger Elite provides high performance options for both lead and non-toxic shot. The Ranger Elite's large internal capacity allows for heavy payloads up to 1-5/8 ounces of lead shot and 1-1/8 ounces of steel shot (exact capacity will vary depending upon pellet size). The Ranger Elite is available both pre-slit and unslit for customizing maximum performance loads.

Like its predecessors, the Turkey Ranger™ wad and Ranger-Plus™ wad, the Ranger Elite is a great choice for both waterfowl and turkey field loads. Its flexible, full diameter gas seal allows for excellent obturation and consistent seals for maximum powder burn during combustion. The shallow base allows this wad to seat properly with flake, granulated, and spherical ball powders.

The Ranger Elite wad uses BPI's new TPS Slip Process Technology designed to reduce resistance and enhance production flow. This technology creates wads with unsurpassed operating range in extreme temperatures and military-spec toughness. Certified for major manufacturers down to -25 F.



Technical Specifications:

- Overall Length: 1.763"
- Diameter: .715"
- Wall Thickness: .040"
- Shotcup Depth: 1.485"
- Slits: 4
- Slit Depth: 1.425"

Load ID	Ga.	Hull	Primer	Powder	Grns.	Gas Seal	Wad	Filler Wads & Load Inserts	OS Card	Shot Wgt.	Load Grns.	Shot Size	Buffer	PSI	FPS
12-Gauge • 2¾" Length • Steel Shot • Fold Crimp															
151231-7623	12	Cheddite	Ched209	Longshot	31.0		Ranger Elite	14FW20		7/8	382	Steel BB-5	10 gr	10700	1535
151231-7620	12	Cheddite	Ched209	HS6	32.0		Ranger Elite	14FW20	OS12	7/8	382	Steel BB		10700	1405
160118-7710	12	Rio	Rio209	Pro Reach	29.0		Ranger Elite	14FW20 + 18FW20		7/8	382	Steel BB		9400	1470
160118-7714	12	Rio	Rio209	Longshot	31.0		Ranger Elite	14FW20	OS12	7/8	382	Steel BB		11000	1570
160118-7712	12	Fiocchi	Fio616	Pro Reach	28.0		Ranger Elite	14FW20 + 18FW20		7/8	382	Steel BB		7800	1290
160118-7716	12	Fiocchi	Fio616	Longshot	31.0		Ranger Elite	14FW20 + 18FW20		7/8	382	Steel BB		8600	1435
160118-7718	12	Federal PB	Fed209A	Longshot	30.0	BPGS	Ranger Elite	14FW20 + 18FW20		7/8	382	Steel BB		9500	1445
151231-7624	12	Cheddite	Ched209	Longshot	28.0		Ranger Elite	18FW20		1	437	Steel BB-5		10700	1410
160106-7636	12	Cheddite	Ched209	HS6	29.5		Ranger Elite	18FW20		1	437	Steel BB		11000	1310
160118-7711	12	Rio	Rio209	Pro Reach	27.0		Ranger Elite	18FW20		1	437	Steel BB		10200	1410
160118-7715	12	Rio	Rio209	Longshot	28.0		Ranger Elite	14FW20		1	437	Steel BB		10500	1415
160118-7713	12	Fiocchi	Fio616	Pro Reach	26.0		Ranger Elite	14FW20		1	437	Steel BB		9200	1340
160118-7717	12	Fiocchi	Fio616	Longshot	28.0		Ranger Elite	14FW20		1	437	Steel BB		9000	1330
160118-7719	12	Federal PB	Fed209A	Longshot	27.0	BPGS	Ranger Elite	18FW20		1	437	Steel BB		10400	1370
151231-7622	12	Cheddite	Ched209	HS6	27.0		Ranger Elite			1 1/8	492	Steel B		10800	1190
12-Gauge • 3" Length • Steel Shot • Fold Crimp															
160106-7639	12	Cheddite	Ched209	Pro Reach	31.0	BPGS	Ranger Elite	18FW20		1	437	Steel B		10700	1505
151231-7616	12	Cheddite	Ched209	Blue Dot	38.0	BPGS	Ranger Elite	18FW20		1	437	Steel B		10100	1365
160118-7720	12	Federal PB	Fed209A	Pro Reach	28.0	X12X	Ranger Elite	14FW20		1	437	Steel BB		10800	1430
160118-7723	12	Fiocchi	Fio616	Steel	41.5		Ranger Elite	18FW20		1	437	Steel B		10900	1590
151231-7617	12	Cheddite	Ched209	Longshot	26.0	BPGS	Ranger Elite			1 1/8	492	Steel #3		10400	1310
151231-7619	12	Cheddite	Ched209	Steel	38.0		Ranger Elite		OS12	1 1/8	492	Steel #2	10 gr	9500	1440
160118-7721	12	Federal PB	Fed209A	Pro Reach	26.0	X12X	Ranger Elite			1 1/8	492	Steel B		10700	1320
160118-7724	12	Fiocchi	Fio616	Steel	34.0		Ranger Elite			1 1/8	492	Steel B		9600	1410

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Load ID	Ga.	Hull	Primer	Powder	Grns.	Gas Seal	Wad	Filler Wads & Load Inserts	OS Card	Shot Wgt.	Load Grns.	Shot Size	Buffer	PSI	FPS
12-Gauge • 2¾" Length • Lead Shot • Fold Crimp															
151231-7627	12	Cheddite	Ched209	Longshot	27.0		Ranger Elite	14FW20		1 1/4	547	Lead #6		9600	1275
151231-7628	12	Fiocchi	Fio616	800X	24.0		Ranger Elite	14FW20 + 18FW20		1 3/8	601	Lead #6		10000	1140
151231-7629	12	Fiocchi	Fio616	Blue Dot	33.0		Ranger Elite	14FW20		1 3/8	601	Lead #6/7		9600	1165
160118-7728	12	Cheddite	Ched209	Blue Dot	36.0		Ranger Elite	(2)14FW20		1 1/8	492	Lead #6		9100	1235
12-Gauge • 3" Length • Lead Shot • Fold Crimp															
160118-7727	12	Cheddite	Ched209	Pro Reach	28.0	BPGS	Ranger Elite	14FW20 + 18FW20		1 1/4	547	Lead #6		10000	1290
151231-7630	12	Cheddite	Ched209	Longshot	31.0	X12X	Ranger Elite	18FW20		1 3/8	601	Lead #6		10700	1300
151231-7631	12	Cheddite	Ched209	Longshot	28.5	X12X	Ranger Elite	14FW20		1 1/2	656	Lead #6		10700	1250
151231-7632	12	Cheddite	Ched209	Steel	33.0	BPGS	Ranger Elite	18FW20		1 1/2	656	Lead #6		9500	1230
160118-7726	12	Cheddite	Ched209	Steel	35.0	BPGS	Ranger Elite	18FW20		1 1/2	656	Lead #6		10700	1310
160106-7638	12	Cheddite	Ched209	Longshot	26.5	BPGS	Ranger Elite	18FW20		1 5/8	710	Lead #6		10500	1145

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Component Abbreviation Chart

+	load tested w / specified shot size and larger	na	CS12	Competition Special wad, 12ga	#072CS12	International Clays.....	Hodgdon International Clays powder	#081020*
-	load tested w / specified shot size and smaller.....	na	CS12S	Competition Special Short wad, 12ga.....	#072CS12S	ITX Original-10™.....	ITX Original-10™ non-toxic shot.....	#TX**
.410 Thug Slug	8 gram Thug Slug, .410	#1264100	CSD020.....	Cushioned Shot Driver, 20ga.....	#0207020	ITX Extreme-13™.....	ITX Extreme Turkey Trauma-13™ non-toxic shot #TXTT**	
10MMW*	10mm waxed card wad (*relevant gauge) ..	#10MMW**	CSD078.....	.7/8 oz. Cushioned Shot Driver, 12ga.....	#0207078	L078	Lightning 7/8 oz. wad, 12ga.....	#020L078
12ga 1 oz. Thug Slug	1 oz. Thug Slug, 12ga.....	#1261228	CSD100.....	1 oz. Cushioned Shot Driver, 12ga.....	#0207100	LB12	Light Brush wad, 12ga.....	#072LB12
12ga 1 1/8 oz. Thug Slug	1 1/8 oz. Thug Slug, 12ga.....	#1261232	CSD118.....	1 1/8 oz. Cushioned Shot Driver, 12ga.....	#0207118	LBC Sabot Slug.....	LBC Sabot Slug, 12ga	#0721610
14C*	1/4" card wad (*relevant gauge)	#14C**	CSD114.....	1 1/4 oz. Cushioned Shot Driver, 12ga.....	#0207114	LBC30.....	30mm Limited Bore Contact wad, 12ga.....	#0729030
14CW*	1/4" cork wad (*relevant gauge).....	#12224**	CSD16.....	.7/8 oz. Cushioned Shot Driver, 16ga.....	#0207016	LBC43.....	43mm Limited Bore Contact wad, 12ga.....	#0729043
14FW*	1/4" felt wad (*relevant gauge).....	#12214**	CTX Copper/Frangible3/4 oz. CTX Frangible Slug, 12ga	#336CTX12	LBC50.....	50mm Limited Bore Contact wad, 12ga.....	#0729050
18CW*	3/8" cork wad (*relevant gauge).....	#12228**	D20	Vectan / Nobel Sport D20 powder.....	#NBD201	Lee Drive-Key Slug, 7/8 oz Lee Drive-Key Slug, 12ga 7/8 oz.....	#LEE90282	
18FW*	3/8" felt wad (*relevant gauge).....	#12218**	Dangerous Game Slug.....	Dangerous Game Slug		Lee Drive-Key Slug, 1 oz. Lee Drive-Key Slug, 12ga 1 oz.	#LEE90281	
20ga 7/8 oz. Thug Slug	7/8 oz. Thug Slug, 20ga.....	#1262025	Dangerous Game Slug.....	Dangerous Game Slug		Light Game Slug	Light Game Slug	
206V	Vectan / Nobel Sport 206V powder.....	#NB206V1	12ga.....		#0721612	28ga.....		#0721628
38C*	3/8" card wad (*relevant gauge)	na	16ga.....		#0721616	.410.....		#0721641
38W*	3/8" waxed card wad (*relevant gauge).....	#38W**	20ga		#0721620			
700X.....	Hodgdon Hi-Skor 700-X powder	#090700*	DGS Thunderbolt Slug.....	"Thunderbolt" Dangerous Game Slug, 12ga	#0721613	Lil' Gun	Hodgdon Lil' Gun powder	#081120*
800X	Hodgdon Hi-Skor 800-X powder	#090800*	DX12.....	Dispensor-X wad, 12ga	#072DX12	Longshot.....	Hodgdon Longshot powder	#081050*
A0	Vectan / Nobel Sport A0 powder	na	DX12S.....	Dispensor-X Short wad, 12ga.....	#072DX12S	MG410.....	MG410 wad, .410	#072MG410
A1.....	Vectan / Nobel Sport A1 powder.....	#NBA11	DX20	Dispensor-X wad, 20ga.....	#072DX20	MG42	MG42 Wad, 12ga.....	#072MG42
A24	Vectan / Nobel Sport A24 powder.....	na	E3.....	Alliant E-3 powder	#018333*	Mica	Mica Wad Slick Lubricant.....	#MICA
AA Sup. Handicap	Winchester Super Handicap powder.....	#235SH0*	EML.....	European Mighty Lite, 12ga.....	#072EML	MM1035.....	Multi-Metal 3 1/2" wad, 10ga.....	na
Accurate 4100	Accurate 4100 powder	na	FC*	1/2" fiber card (*relevant gauge)	#FC**	MM1230.....	Multi-Metal 3" wad, 12ga.....	na
Alliant 20/28.....	Alliant 20/28 powder.....	#0182028*	Fed209A.....	Federal 209A primer	#209A	MM1235.....	Multi-Metal 3 1/2" wad, 12ga.....	na
Alliant 2400	Alliant 2400 powder	#0182400	Federal.....	Federal hull.....	#062****	MM1275.....	Multi-Metal 2 3/4" wad, 12ga.....	na
Alliant 410.....	Alliant 410 powder	#018410*	Federal (paper).....	Federal paper hull.....	#FPAP121	MY1620.....	16-20ga Mylar™ wraps	#MY1620
American Select.....	Alliant American Select powder	#018040*	Federal FB.....	Federal hull (fiber basewad).....	na	MYTHICK.....	Thick Mylar™ wraps	#MYTHICK
AQT2	NobelSport-Cheddite AQT2 wad	#139AQT2	Federal PB.....	Federal hull (plastic basewad).....	na	MYTHIN.....	Thin Mylar™ wraps	#MYTHIN
AS	Vectan / Nobel Sport AS powder	#NBAS1	Fio616	Fiocchi 616 primer	#F616	MYSLIM.....	Slim Mylar™ wraps	#MYSLIM
Blue Dot.....	Alliant Blue Dot powder.....	#018080*	Fiocchi.....	Fiocchi hull.....	#064****	N209	NobelSport 209 primer	#N209
BP12.....	BP12 wad, 12ga	#3221203	Fiocchi (paper).....	Fiocchi paper hull	na	N7*	Mini Nitro Card (*relevant gauge)	#N7**
BPD10.....	BPD10 wad, 10ga.....	#3221000	Foster Slug.....	Foster Slug, 12ga	#7000002	NC*	Maxi Nitro Card (*relevant gauge).....	#NC**
BPD10T.....	BPD10-Tuff steel shot wad, 10ga	#3221001	FS12	Flex Seal cushioned gas seal, 12ga.....	#072FS12	Non-Toxic Green Slug.....	Non-Toxic Green Slug, 12ga	#7000005
BPGS	Ballistic Products Gas Seal	#3221200	g.....	grams (28.35 grams = 1 ounce).....	na	NP*	Nickel Plated lead shot (*indicate shot size)	#NP**
Buffer.....	Ballistic Products shot buffer	see notes	GM3	Vectan / Nobel Sport GM3 powder	#NBGM31	OB*	Obturator gas seal (*relevant gauge)	#020**
Bullseye	Alliant Bullseye powder	#018010*	grns.....	grains (437.5 grains = 1 ounce)	na	OS*	Overshot Card (*relevant gauge)	#OS*
BW12	Brush wad (Original), 12ga	#072BW12	Green Dot.....	Alliant Green Dot powder	#018030*	OSBP12.....	Overshot Card w/ BPI Logo, 12ga	#OSBP12
BW20	Brush wad, 20ga.....	#072BW20	GS2	GS2 / Air Wedge Gas Seal, 12ga	na	PB	IMR PB powder	na
BW24	Brush wad, 24ga.....	#072BW24	GTT1.....	NobelSport-Cheddite GTT1 wad	#139GTT1	PISK.....	Piston Skeet wad, 12ga.....	#072PISK
BW28	Brush wad, 28ga.....	#072BW28	GTT3.....	NobelSport-Cheddite GTT3 wad	#139GTT3	PISK-LITE.....	Piston Skeet Lite wad, 12ga.....	#072PISKL
BX410.....	BX410 wad, .410.....	#072BX410	H-110.....	Hodgdon H-110 powder	#081110*	PLC*	1/2" pre-lubed fiber card (*relevant gauge)	#PLC**
CCI209.....	CCI 209 primer	#CCI	HCD18	Helix Cushion Driver 18 wad, 12ga.....	#020HCD18	PRIMA-SV.....	Vectan / Nobel Sport Prima-SV powder.....	na
CCI209M.....	CCI 209 magnum primer	#CCIM	HCD21	Helix Cushion Driver 21 wad, 12ga.....	#020HCD21	PRIMA-V	Vectan / Nobel Sport Prima-V powder.....	#NBPRIMAV1
Ched209.....	Cheddite 209 primer.....	#CH209	HCD24	Helix Cushion Driver 24 wad, 12ga.....	#020HCD24	Pro Reach.....	Alliant Pro Reach powder	#018PRO*
Cheddite	Cheddite/MultiHull hull.....	#139***	HCW*	1/2" waxed hard card wad (*relevant gauge).....	#HCW**	PT1044.....	PT1044 wad, 10ga	na
Cheddite (paper).....	Cheddite/MultiHull paper hull.....	#13912PAP	Herco	Alliant Herco powder	#018050*	PT1205.....	PT1205 wad, 12ga.....	na
Clays	Hodgdon Clays powder	#081010*	Hevi-Shot™.....	Hevi-Shot™ non-toxic shot	#05500**	PT1210.....	PT1210 wad, 12ga.....	na
CLBC.....	Cushioned LBC wad, 12ga	#0729012	HS-6.....	Hodgdon HS-6 powder	#0810601	PT1215.....	PT1215 wad, 12ga.....	na
COS12.....	Clear Overshot Disc, 12ga.....	#COS12	HV28.....	HV28 large-capacity wad, 28ga.....	#072HV28	PT1220.....	PT1220 wad, 12ga.....	na
			IMR 4227.....	IMR 4227 powder.....	na	PT1232.....	PT1232 wad, 12ga.....	na

Component Abbreviation Chart

PT1251.....	PT1251 wad, 12ga.....	na	SR-7625.....	IMR SR-7625 powder.....	na
PT1253.....	PT1253 wad, 12ga.....	na	SRC.....	Short Range Crusher wad, 12ga.....	#072SRC
PT1260.....	PT1260 wad, 12ga.....	na	SSW.....	Short Shell wad, 12ga.....	#072SSW
PT2090.....	PT2090 wad, 20ga.....	na	Stabili-Shock.....	Stabili-Shock Rubber Slug.....	#PEG12*
PT2091.....	PT2091 wad, 20ga.....	na	Steel™.....	Alliant Steel powder.....	#018070*
PT2092.....	PT2092 wad, 20ga.....	na	Stretch.....	Stretch wad, .410.....	#0724104
PT2093.....	PT2093 wad, 20ga.....	na	Stump.....	Stump wad, .410.....	#0724105
PT2094.....	PT2094 wad, 20ga.....	na	TC20.....	The Commander, 20ga.....	#020TC20
PT20G5.....	PT20G5 gas seal, 20ga.....	na	Teflon.....	Teflon™ Wrap.....	#TEFLON
PT2895.....	PT2895 wad, 28ga.....	na	Titegroup.....	Hodgdon Titegroup powder.....	#081TG*
Pumpkin Ball Slug.....	Pumpkin Ball Slug, 10/12ga.....	#7000004	Titewad.....	Hodgdon Titewad powder.....	#081040*
Ranger Elite.....	Ranger Elite wad, 12ga.....	#32212RE	TPS1035.....	TPS 3 ½" wad, 10ga.....	#3227704
Ranger Plus.....	Ranger Plus wad, 12ga.....	na	TPS1230.....	TPS 3" wad, 12ga.....	#3227702
Red Dot.....	Alliant Red Dot powder.....	#018020*	TPS1235.....	TPS 3 ½" wad, 12ga.....	#3227703
Rem209.....	Remington 209 STS primer.....	#R209	TPS1275.....	TPS 2 ¾" wad, 12ga.....	#3227701
Rem. Nitro Mag.....	Remington Nitro Mag hull.....	na	TPS28.....	TPS shot wad, 28ga.....	#3222800
Rem. Nitro/STL.....	Remington Nitro/STL.....	na	TPS35mm.....	TPS 35mm wad, 12ga.....	#3227735
Rem. Premier.....	Remington Premier hull.....	na	TPS41mm.....	TPS 41mm wad, 12ga.....	#3227741
Remington.....	Remington hull.....	na	TPS410.....	TPS shot wad, .410.....	#3224100
Remington SP.....	Remington SP hull.....	na	TR12.....	Turkey Ranger wad, 12ga.....	na
Remington STS.....	Remington STS hull.....	na	Trim.....	trim component by specified amt.....	na
REX-24.....	Rex 24-Gram wad, 12ga.....	#072REX	TY34.....	Tyvek™ ¾" 10ga patch.....	#TY34
Rio209.....	Rio 209 primer.....	#RIO209	TY58.....	Tyvek™ 5/8" 12ga patch.....	#TY58
Rio.....	Rio hull.....	#RIO*****	Unique.....	Alliant Unique powder.....	#018060*
Rio (Eley).....	Rio/Eley 2 ½" hull.....	#RIO1265	Universal Clays.....	Hodgdon Universal Clays powder.....	#081030*
SF12.....	Spitfire wad, 12ga.....	#072SF12	Win209.....	Winchester 209 primer.....	#W209
SG16.....	Sporting 16 wad, 16ga.....	#072SG16	Win AA (original).....	Win AA old style, comp-formed hull.....	na
SG16S.....	Sporting 16 Short wad.....	#072SG16S	Win AA HS.....	Win AA "High Strength" hull.....	na
SG20L.....	Sporting 20 Long wad, 20ga.....	#072SG20L	Win. AA Lite.....	Winchester AA Lite powder.....	#235AA0*
SG20M.....	Sporting 20 Mid wad, 20ga.....	#072SG20M	Win. Universal.....	Winchester Universal (polyformed) hull.....	na
SG20S.....	Sporting 20 Short wad, 20ga.....	#072SG20S	Winchester 296.....	Winchester 296 powder.....	na
SG24.....	Sporting 24 wad, 24ga.....	#072SG24	Winchester Poly.....	Winchester Polyformed hull.....	na
SG28.....	Original Sporting 28 wad, 28ga.....	#072SG28	WSF.....	Winchester Super Field powder.....	#235030*
SG28-II.....	Sporting 28 II wad, 28ga.....	#072SG28S	WST.....	Winchester Super Target powder.....	#235020*
SG32.....	Sporting 32 wad, 32ga.....	#072SG32	X10X.....	X10X gas seal.....	#072X10X
SG410.....	Sporting .410 wad, .410.....	#072SG410	X12X.....	X12X gas seal.....	#322X12X
Shuttlecock Slug.....	Shuttlecock Slug, 12ga.....	#7000003	X Stream Spreader.....	X-Stream Spreader insert.....	#3220001
Solo 1000.....	Accurate/Scot Solo-1000 powder.....	#019100*	Z16.....	Field Commander, 16ga.....	#020Z16
SPARK.....	Super Spark wad, 12ga.....	#072SPK	Z21.....	Trap Commander, 12ga.....	#020Z21
SR-4756.....	IMR SR-4756 powder.....	na			

Ballistic Laboratory Notes:

- The "Load" column will often indicate a specific shot size. This is a laboratory notation that tells you what shot size was actually used in the loads for the ballistic lab tests. You are not confined by this information to use that specific shot size. This information is provided only as a guideline for shot-fit and (potential) filler wad purposes; it tells the loader what to expect.
- All unslit wads were slit prior to loading.** Number of slits may be varied to achieve desired effect. Slit 2 to 3 times for a tighter pattern and 5 or 6 for a more open pattern. Length of slits may also be altered. However, slits at least ¾ the length of the wad are recommended for complete pellet release.
- Mica Wad Slick™ may be used in all loads prior to loading. Mica is a dry lubricant that eases insertion of wads into hulls, especially once-fired. Also provides a slight boost in velocity.
- Original Shot Buffer was used in lead loads. Mix #47 Buffer was used in steel shot and Hevi-Shot loads and BSB/ITX Buffer was used in ITX™ loads. Do not add buffer unless indicated by data.
- All powder charges listed in data are in grains and not grams. Buffer is listed in grains as well.
- Mylar™ wrap is coiled prior to inserting into the hull or shotcup. Cut Mylar™ wrap in half in instances where "½" is designated before the Mylar™ that is being used. Teflon™ wrap is also coiled and inserted into the hull prior to dropping the shot.
- + / - next to shot size indicates load was tested with the listed size and larger (+) or smaller (-). A dash (-) between shot sizes indicates load was tested with all sizes between the two listed.

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