



12ga 2-3/4" NobelSport-Vectan Shotshell Load Data

With three centuries of experience in making gunpowder, NOBELSPORT combines tradition and modernity. Its strong research and development team designs the powders of the future.

Its site at Pont-de-Buis, recently remodeled and equipped with the most innovative manufacturing processes, can claim to be one of the leading industrial plants.

Boasting a new laboratory equipped with high tech analysis and testing resources, **NOBELSPORT** supplies powders with even further improved ballistic performances, stability and reproducibility.

VECTAN Ba10, Ba9 1/2, Ba9, Ba7 1/2, Ba6 1/2

Powders single base in stick. This range is now completed with Ba9 1/2, Ba7 1/2 and Ba6 1/2. This range is particularly adapted for handgun reloading. All the powders of this range are absolutely clean burning and have now the same dimension.

VECTAN Tubal 3000, 5000, 7000, 8000

Tubular, single base powders, listed here above by decreasing burning rate order from the fastest to the slowest. Vectan Tubal powders are designed for rifles.

VECTAN A1, AS, A0

Single base flake powders with color identification, intended for handgun use and some rifle applications.



Range of Powders:

Stick:	Ba 10, Ba 9 1/2, Ba 9, Ba 7 1/2, Ba 6 1/2
Tube:	Tubal 3000, 5000, 7000, 8000
Flake:	A1, AS, A0

Load ID	Ga.	Hull	Primer	Powder	Grns.	Gas Seal	Wad	Filler Wads & Load Inserts	Over Shot	Shot (oz.)	Shot (grns.)	Shot Size	PSI	FPS
12-Gauge • 2¾" Length • Lead Shot • Fold Crimp														
150520-6539	12	Winchester AA HS	Win209	AS	16.0		Winchester AA12SL			7/8 oz.	382		7400	1110
150520-6540	12	Winchester AA HS	Win209	AS	18.0		Winchester AA12SL			7/8 oz.	382		8200	1200
150615-6641	12	Winchester AA HS	Win209	AS	19.0		Winchester AA12SL			7/8 oz.	382		9100	1300
150612-6644	12	Winchester AA HS	Win209	AS	17.1		Remington TGT12			7/8 oz.	382		8700	1225
150428-6469	12	Winchester AA HS	Win209	AS	18.0		Remington TGT12			7/8 oz.	382		8900	1250
150612-6644	12	Winchester AA HS	Win209	AS	19.0		Remington TGT12			7/8 oz.	382		9200	1300
150610-6603	12	Winchester AA HS	Win209	AS	20.0		Remington TGT12			7/8 oz.	382		10200	1350
150612-6635	12	Remington STS	Rem209	AS	17.7		Remington RXP12			1 oz.	437		9700	1200
150610-6601	12	Remington STS	Rem209	AS	18.0		Remington RXP12			1 oz.	437		10000	1215
150428-6467	12	Remington STS	Rem209	AS	19.0		Remington RXP12			1 oz.	437		10600	1250
150428-6468	12	Winchester AA HS	Win209	AS	18.5		Winchester AA12			1 oz.	437		9100	1275
150504-6489	12	Federal Field	Fed209A	D20	21.0		Federal 12S0			1 oz.	437		7800	1185
150610-6605	12	Federal Gold Medal	Fed209A	D20	21.2		Federal 12S0			1 oz.	437		9200	1250
150504-6488	12	Federal Gold Medal	Fed209A	D20	23.1		Federal 12S0			1 oz.	437		10500	1350
150610-6606	12	Federal Gold Medal	Fed209A	D20	23.3		Federal 12S0			1 oz.	437		10700	1360
150501-6481	12	Cheddite	Ched209	D20	20.0		Helix Cushion Driver 24			1 1/8 oz.	492		7500	1100
150501-6480	12	Cheddite	Ched209	D20	20.0		Z21 Trap Commander		OS12	1 1/8 oz.	492		8000	1125
150526-6553	12	Cheddite	Ched209	D20	21.5		Z21 Trap Commander		OS12	1 1/8 oz.	492		8700	1200
150610-6607	12	Cheddite	Ched209	D20	23.5		Z21 Trap Commander			1 1/8 oz.	492		10500	1300
150501-6482	12	Cheddite	Ched209	D20	22.0		Short Range Crusher			1 1/8 oz.	492		9100	1215
150504-6487	12	Federal Gold Medal	Fed209A	D20	19.9		Federal 12S0			1 1/8 oz.	492		9200	1150
150501-6479	12	Remington STS	Rem209	D20	18.0		Remington R12L			1 1/8 oz.	492		8600	1100
150401-6403	12	Winchester AA HS	Win209	GM3	20.0		Winchester AA12	18FW20		7/8 oz.	382		8900	1285
150612-6645	12	Winchester AA HS	Win209	GM3	19.3		Winchester AA12SL			7/8 oz.	382		8000	1250
150612-6646	12	Winchester AA HS	Win209	GM3	21.6		Winchester AA12SL			7/8 oz.	382		9100	1350
150615-6639	12	Federal Gold Medal	Fed209A	GM3	19.6		Federal 12S0			1 oz.	437		8600	1200
150427-6462	12	Remington STS	Rem209	GM3	18.0		Claybuster CB4100-12B			1 oz.	437		7800	1130
150427-6463L	12	Remington STS	Rem209	GM3	18.6		Claybuster CB4100-12B			1 oz.	437		8800	1200
150427-6464L	12	Remington STS	Rem209	GM3	19.5		Claybuster CB4100-12B			1 oz.	437		9300	1250
150526-6549	12	Remington STS	Rem209	GM3	18.5		Winchester AA12SL			1 oz.	437		7800	1135
150526-6550	12	Remington STS	Rem209	GM3	19.5		Winchester AA12SL			1 oz.	437		8600	1200
150427-6460L	12	Winchester AA HS	Win209	GM3	19.5		Claybuster CB4100-12B			1 oz.	437		8900	1200
150615-6640	12	Winchester AA HS	Win209	GM3	20.4		Claybuster CB4100-12B			1 oz.	437		9200	1250

Load ID	Ga.	Hull	Primer	Powder	Grns.	Gas Seal	Wad	Filler Wads & Load Inserts	Over Shot	Shot (oz.)	Shot (grns.)	Shot Size	PSI	FPS
12-Gauge • 2¾" Length • Lead Shot • Fold Crimp (continued)														
150408-6420	12	Winchester AA HS	Win209	GM3	18.0		Winchester AA12			1 oz.	437		8500	1150
150401-6405	12	Winchester AA HS	Win209	GM3	19.0		Winchester AA12			1 oz.	437		9000	1185
150408-6418	12	Winchester AA HS	Win209	GM3	19.2		Winchester AA12			1 oz.	437		9200	1200
150331-6397	12	Winchester AA HS	Win209	GM3	20.2		Winchester AA12			1 oz.	437		9500	1250
150401-6404	12	Winchester AA HS	Win209	GM3	21.0		Winchester AA12			1 oz.	437		9700	1270
150331-6398	12	Winchester AA HS	Win209	GM3	22.0		Winchester AA12			1 oz.	437		10300	1310
150526-6546	12	Cheddite	Ched209	GM3	22.0		Federal 12S0			1 1/8 oz.	492		9000	1200
150526-6547	12	Cheddite	Ched209	GM3	24.0		Federal 12S0			1 1/8 oz.	492		10300	1300
150504-6486	12	Federal Field	Fed209A	GM3	20.0		Federal 12S0			1 1/8 oz.	492		7000	1080
150526-6545	12	Federal Gold Medal	Fed209A	GM3	22.0		Federal 12S0			1 1/8 oz.	492		11300	1265
150408-6419	12	Winchester AA HS	Win209	GM3	17.0		Winchester AA12			1 1/8 oz.	492		9100	1088
150504-6492	12	Winchester AA HS	Win209	GM3	18.0		Winchester AA12			1 1/8 oz.	492		9500	1125
150408-6421	12	Winchester AA HS	Win209	GM3	19.5		Winchester AA12			1 1/8 oz.	492		10200	1180
150331-6399	12	Winchester AA HS	Win209	GM3	20.0		Winchester AA12			1 1/8 oz.	492		10400	1200
150504-6490	12	Winchester AA HS	Win209	GM3	21.1		Winchester AA12			1 1/8 oz.	492		11000	1250
150330-6388	12	Winchester AA HS	Win209	PRIMA-V	18.0		Super Spark			3/4 oz.	328		8500	1275
150330-6389	12	Winchester AA HS	Win209	PRIMA-V	19.9		Super Spark			3/4 oz.	328		8900	1300
150330-6390	12	Winchester AA HS	Win209	PRIMA-V	22.0		Super Spark			3/4 oz.	328		9800	1450
150330-6391	12	Winchester AA HS	Win209	PRIMA-V	16.0		Super Spark			7/8 oz.	382		8200	1140
150610-6609	12	Winchester AA HS	Win209	PRIMA-V	17.3		Super Spark			7/8 oz.	382		9000	1200
150330-6392	12	Winchester AA HS	Win209	PRIMA-V	18.0		Super Spark			7/8 oz.	382		9500	1240
150610-6610	12	Winchester AA HS	Win209	PRIMA-V	18.2		Super Spark			7/8 oz.	382		9600	1265
150330-6393	12	Winchester AA HS	Win209	PRIMA-V	20.0		Super Spark			7/8 oz.	382		10400	1335
150612-6638	12	Winchester AA HS	Win209	PRIMA-V	18.6		Winchester AA12SL			7/8 oz.	382		8500	1250
150612-6638	12	Winchester AA HS	Win209	PRIMA-V	19.4		Winchester AA12SL			7/8 oz.	382		9200	1300
150605-6571	12	Winchester AA HS	Win209	PRIMA-V	21.0		Winchester AA12SL			7/8 oz.	382		9600	1355
150526-6552	12	Winchester AA HS	Win209	PRIMA-V	22.0		Winchester AA12SL			7/8 oz.	382		10000	1395
150610-6588	12	Remington STS	Rem209	PRIMA-V	19.0		Remington R12L		OS12	1 oz.	437		9100	1200
150610-6590	12	Remington STS	Rem209	PRIMA-V	21.0		Remington R12L		OS12	1 oz.	437		10100	1285
150612-6633	12	Remington STS	Rem209	PRIMA-V	21.3		Remington R12L			1 oz.	437		10500	1300
150330-6394	12	Winchester AA HS	Win209	PRIMA-V	16.0		Short Range Crusher			1 oz.	437		8900	1100
150504-6485	12	Federal Gold Medal	Fed209A	PRIMA-V	20.0		Federal 12S0			1-1/8 oz.	492		10000	1185
150604-6564	12	Federal Gold Medal	Fed209A	PRIMA-V	21.0		Federal 12S0			1-1/8 oz.	492		10300	1225

Load ID	Ga.	Hull	Primer	Powder	Grns.	Gas Seal	Wad	Filler Wads & Load Inserts	Over Shot	Shot (oz.)	Shot (grns.)	Shot Size	PSI	FPS
12-Gauge • 2¾" Length • Lead Shot • Fold Crimp (continued)														
150330-6395	12	Winchester AA HS	Win209	PRIMA-V	16.0		Helix Cushion Driver 21			1-1/8 oz.	492		9000	1060
150331-6401	12	Winchester AA HS	Win209	PRIMA-V	17.0		Winchester AA12			1-1/8 oz.	492		10000	1125
150605-6569	12	Winchester AA HS	Win209	PRIMA-V	18.1		Claybuster CB1118-12			1-1/8 oz.	492		10000	1150
150605-6570	12	Winchester AA HS	Win209	PRIMA-V	19.0		Claybuster CB1118-12			1 1/8 oz.	492		10600	1190
150604-6563	12	Winchester AA HS	Win209	PRIMA-V	18.5		Helix Cushion Driver 18			1-1/8 oz.	492		9600	1150
150430-6473	12	Federal Field	Fed209A	A1	20.0		Federal 12S3			1-1/8 oz.	492		9100	1150
150615-6648	12	Federal Gold Medal	Fed209A	A1	20.0		Federal 12S0			1-1/8 oz.	492		8600	1150
150520-6538	12	Federal Gold Medal	Fed209A	A1	22.0		Remington RXP12			1-1/8 oz.	492		10000	1235
150430-6472	12	Remington STS	Rem209	A1	18.0		Remington RXP12			1-1/8 oz.	492		8200	1055
150610-6600	12	Remington STS	Rem209	A1	21.0		Remington RXP12			1-1/8 oz.	492		10400	1220
150520-6536	12	Remington STS	Rem209	A1	22.5		Winchester AA12			1-1/8 oz.	492		10400	1250
150520-6537	12	Remington STS	Rem209	A1	23.0		Claybuster CB4118-12			1-1/8 oz.	492		10800	1280

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Component Abbreviation Chart

+	load tested w / specified shot size and larger	na	DX20	Dispersor-X wad, 20ga	#072DX20	MYSLIM	Slim Mylar™ wraps	#MYSLIM
-	load tested w / specified shot size and smaller	na	E3	Alliant E-3 powder	#018333*	N209	NobelSport 209 primer	#N209
14C*	¼" card wad (*relevant gauge)	#14C**	EML	European Mighty Lite, 12ga	#072EML	N7*	Mini Nitro Card (*relevant gauge)	#N7**
14CW*	¼" cork wad (*relevant gauge)	#12224**	Extra-Lite	Alliant Extra-Lite powder	#018052*	NC*	Maxi Nitro Card (*relevant gauge)	#NC**
14FW*	¼" felt wad (*relevant gauge)	#12214**	FC*	½" fiber card (*relevant gauge)	#FC**	Nitro 100	Accurate/Scot Nitro 100 powder	#019010*
18CW*	½" cork wad (*relevant gauge)	#12228**	Fed209A	Federal 209A primer	#209A	NP*	Nickel Plated lead shot (*indicate shot size)	#NP**
18FW*	½" felt wad (*relevant gauge)	#12218**	Federal	Federal hull	#062****	OB*	Obturator gas seal (*relevant gauge)	#020**
38C*	¾" card wad (*relevant gauge)	#38C**	Federal (paper)	Federal paper hull	#FPAP121	OS*	Overshot Card (*relevant gauge)	#OS*
38W*	¾" waxed card wad (*relevant gauge)	#38W**	Federal FB	Federal hull (fiber basewad)	na	OSBP12	Overshot Card w/ BPI Logo, 12ga	#OSBP12
700X	IMR 700-X powder	#090700*	Federal PB	Federal hull (plastic basewad)	na	PB	IMR PB powder	#090900*
800X	IMR 800-X powder	#090800*	Fio616	Fiocchi 616 primer	#F616	PISK	Piston Skeet wad, 12ga	#072PISK
AA Sup. Handicap	Winchester Super Handicap powder	#235SH0*	Fiocchi	Fiocchi hull	#064****	PISK-LITE	Piston Skeet Lite wad, 12ga	#072PISKL
Accurate 4100	Accurate 4100 powder	na	Fiocchi (paper)	Fiocchi paper hull	na	PLC*	½" pre-lubed fiber card (*relevant gauge)	#PLC**
Alliant 20/28	Alliant 20/28 powder	#0182028*	FS12	Flex Seal cushioned gas seal, 12ga	#072FS12	Pro Reach	Alliant Pro Reach powder	#018PRO*
Alliant 2400	Alliant 2400 powder	#0182400	g.	grams (28.35 grams = 1 ounce)	na	Promo	Alliant Promo powder	#0180908
Alliant 410	Alliant 410 powder	#018410*	grns.	grains (437.5 grains = 1 ounce)	na	PT1044	PT1044 wad, 10ga	#222PT1044
American Select	Alliant American Select powder	#018040*	Green Dot	Alliant Green Dot powder	#018030*	PT1205	PT1205 wad, 12ga	#222PT1205
Blue Dot	Alliant Blue Dot powder	#018080*	GS2	GS2 Air Wedge gas seal, 12ga	#3221222	PT1210	PT1210 wad, 12ga	#222PT1210
BP12	BP12 wad, 12ga	#3221203	H-110	Hodgdon H-110 powder	#081110*	PT1215	PT1215 wad, 12ga	#222PT1215
BPD10	BPD10 wad, 10ga	#3221000	HCD18	Helix Cushion Driver 18 wad, 12ga	#020HCD18	PT1220	PT1220 wad, 12ga	#222PT1220
BPD10T	BPD10-Tuff steel shot wad, 10ga	#3221001	HCD21	Helix Cushion Driver 21 wad, 12ga	#020HCD21	PT1232	PT1232 wad, 12ga	#222PT1232
BPGS	Ballistic Products Gas Seal	#3221200	HCD24	Helix Cushion Driver 24 wad, 12ga	#020HCD24	PT1251	PT1251 wad, 12ga	#222PT1251
Buffer	Ballistic Products shot buffer	see notes	HCW*	½" waxed hard card wad (*relevant gauge)	#HCW**	PT1253	PT1253 wad, 12ga	#222PT1253
Bullseye	Alliant Bullseye powder	#018010*	Herco	Alliant Herco powder	#018050*	PT1260	PT1260 wad, 12ga	#222PT1260
BW12	Brush wad (Original), 12ga	#072BW12	Hevi-Shot™	Hevi-Shot™ non-toxic shot	#05500**	PT1265	PT1265 wad, 12ga	#222PT1265
BW20	Brush wad, 20ga	#072BW20	HS-6	Hodgdon HS-6 powder	#0810601	PT1680	PT1680 wad, 16ga	#222PT1680
BW24	Brush wad, 24ga	#072BW24	HV28	HV28 large-capacity wad, 28ga	#072HV28	PT20GS	PT20GS gas seal, 20ga	#222PT20GS
BW28	Brush wad, 28ga	#072BW28	IMR 4227	IMR 4227 powder	na	PT2090	PT2090 wad, 20ga	#222PT2090
BW410	Brush wad, .410	#072BW41	International Clays	Hodgdon International Clays powder	#081020*	PT2091	PT2091 wad, 20ga	#222PT2091
BX410	BX410 wad, .410	#072BX410	ITX Original-10™	ITX Original-10™ non-toxic shot	#TX**	PT2092	PT2092 wad, 20ga	#222PT2092
CCI209	CCI 209 primer	#CCI	ITX Extreme-13™	ITX Extreme Turkey Trauma-13™ non-toxic shot#TXTT**		PT2093	PT2093 wad, 20ga	#222PT2093
CCI209M	CCI 209 magnum primer	#CCIM	L078	Lightning 7/8 oz. wad, 12ga	#020L078	PT2094	PT2094 wad, 20ga	#222PT2094
Ched209	Cheddite 209 primer	#Ched209	LB12	Light Brush wad, 12ga	#072LB12	PT2895	PT2895 wad, 28ga	#222PT2895
Cheddite	Cheddite/MultiHull hull	#139****	LBC30	30mm Limited Bore Contact wad, 12ga	#0729030	Ranger Plus	Ranger Plus wad, 12ga	#3221202
Cheddite (paper)	Cheddite/MultiHull paper hull	#13912PAP	LBC43	43mm Limited Bore Contact wad, 12ga	#0729043	Red Dot	Alliant Red Dot powder	#018020*
Clay Dot	Alliant Clay Dot powder	#018CD0*	LBC50	50mm Limited Bore Contact wad, 12ga	#0729050	Rem209	Remington 209 STS primer	#R209
Clays	Hodgdon Clays powder	#081010*	Lil' Gun	Hodgdon Lil' Gun powder	#081120*	Rem. Nitro Mag	Remington Nitro Mag hull	na
CLBC	Cushioned LBC wad, 12ga	#0729012	Longshot	Hodgdon Longshot powder	#081050*	Rem. Nitro/STL	Remington Nitro/STL	na
COS12	Clear Overshot Disc, 12ga	#COS12	MG410	MG410 wad, .410	#072MG410	Rem. Premier	Remington Premier hull	na
CS12	Competition Special wad, 12ga	#072CS12	MG42	MG42 Wad, 12ga	#072MG42	Remington	Remington hull	na
CS12S	Competition Special Short wad, 12ga	#072CS12S	Mica	Mica Wad Slick Lubricant	#MICA	Remington SP	Remington SP hull	na
CSD020	Cushioned Shot Driver, 20ga	#0207020	MM1035	Multi-Metal 3 ½" wad, 10ga	#3221035	Remington STS	Remington STS hull	na
CSD078	7/8 oz. Cushioned Shot Driver, 12ga	#0207078	MM1230	Multi-Metal 3" wad, 12ga	#3221230	Remington UB	Remington UB hull	na
CSD100	1 oz. Cushioned Shot Driver, 12ga	#0207100	MM1235	Multi-Metal 3 ½" wad, 12ga	#3221235	REX24	Rex 24-Gram wad, 12ga	#072REX
CSD118	1 ⅜ oz. Cushioned Shot Driver, 12ga	#0207118	MM1275	Multi-Metal 2 ¾" wad, 12ga	#3221275	Rio209	Rio 209 primer	#Rio209
CSD114	1 ¼ oz. Cushioned Shot Driver, 12ga	#0207114	MY1620	16-20ga Mylar™ wraps	#MY1620	Rio	Rio hull	#RIO*****
DX12	Dispersor-X wad, 12ga	#072DX12	MYTHICK	Thick Mylar™ wraps	#MYTHICK	Rio (Eley)	Rio/Eley 2 ½" hull	#RIO1265
DX12S	Dispersor-X Short wad, 12ga	#072DX12S	MYTHIN	Thin Mylar™ wraps	#MYTHIN	SF12	Spitfire wad, 12ga	#072SF12

Component Abbreviation Chart

SG16.....	Sporting 16 wad, 16ga.....	#072SG16
SG16S.....	Sporting 16 Short wad.....	#072SG16S
SG20L.....	Sporting 20 Long wad, 20ga.....	#072SG20L
SG20M.....	Sporting 20 Mid wad, 20ga.....	#072SG20M
SG20S.....	Sporting 20 Short wad, 20ga.....	#072SG20S
SG24.....	Sporting 24 wad, 24ga.....	#072SG24
SG28.....	Original Sporting 28 wad, 28ga.....	#072SG28
SG28-II.....	Sporting 28 II wad, 28ga.....	#072SG28S
SG32.....	Sporting 32 wad, 32ga.....	#072SG32
SG410.....	Sporting .410 wad, .410.....	#072SG410
Solo 1000.....	Accurate/Scot Solo-1000 powder.....	#019100*
SPARK.....	Super Spark wad, 12ga.....	#072SPK
SR-4756.....	IMR SR-4756 powder.....	#090475*
SR-7625.....	IMR SR-7625 powder.....	#090762*
SRC.....	Short Range Crusher wad, 12ga.....	#072SRC
SSW.....	Short Shell wad, 12ga.....	#072SSW
Steel™.....	Alliant Steel powder.....	#018070*
Stretch.....	Stretch wad, .410.....	#0724104
Stump.....	Stump wad, .410.....	#0724105
TC20.....	The Commander, 20ga.....	#020TC20
Teflon.....	Teflon™ Wrap.....	#TEFLON
Titegroup.....	Hodgdon Titegroup powder.....	na
Titewad.....	Hodgdon Titewad powder.....	#081040*
TPS1035.....	TPS 3 1/2" wad, 10ga.....	#3227704
TPS1230.....	TPS 3" wad, 12ga.....	#3227702
TPS1235.....	TPS 3 1/2" wad, 12ga.....	#3227703
TPS1275.....	TPS 2 3/4" wad, 12ga.....	#3227701
TPS28.....	TPS shot wad, 28ga.....	#3222800
TPS35mm.....	TPS 35mm wad, 12ga.....	#3227735
TPS41mm.....	TPS 41mm wad, 12ga.....	#3227741
TPS410.....	TPS shot wad, .410.....	#3224100
TR12.....	Turkey Ranger wad, 12ga.....	#3221201
trim.....	trim component by specified amt.....	na
TS12-100.....	Thug Slug, 12ga 1 oz.....	#1261228
TS12-118.....	Thug Slug, 12ga 1-1/8 oz.....	#1261232
TS20.....	Thug Slug, 20ga 7/8 oz.....	#1262025
TS410.....	Thug Slug, .410 8 gram.....	#1264100
TY34.....	Tyvek™ 3/4" 10ga patch.....	#TY34
TY58.....	Tyvek™ 5/8" 12ga patch.....	#TY58
Unique.....	Alliant Unique powder.....	#018060*
Universal Clays.....	Hodgdon Universal Clays powder.....	#081030*
Win209.....	Winchester 209 primer.....	#W209
Win AA (original).....	Win AA old style, comp-formed hull.....	na
Win AA HS.....	Win AA "High Strength" hull.....	na
Win. AA Lite.....	Winchester AA Lite powder.....	#235AA0*
Win. Universal.....	Winchester Universal (polyformed) hull.....	na
Winchester 296.....	Winchester 296 powder.....	na
Winchester Poly.....	Winchester Polyformed hull.....	na

WSF.....	Winchester Super Field powder.....	#235030*
WST.....	Winchester Super Target powder.....	#235020*
X10X.....	X10X gas seal.....	#072X10X
X12X.....	X12X gas seal.....	#322X12X
X Stream Spreader.....	X-Stream Spreader insert.....	#3220001
Z16.....	Field Commander, 16ga.....	#020Z16
Z21.....	Trap Commander, 12ga.....	#020Z21

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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 3/4 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 "1/2" 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.