

BARBER - R 0002838

AS WE COMPLETE THIS FINAL YEAR OF THE TWENTIETH CENTURY.

BOTH WE AT REMINGTON AND YOU, OUR CUSTOMERS, CAN BE JUSTLY

PROUD OF SOME TRULY MAJOR ACCOMPLISHMENTS. IN THE EARLY

1900S, MUCH OF OUR WILDLIFE HERITAGE WAS IN A PERILOUS AND

SADLY DEPLETED STATE. THAT HAS CHANGED DRAMATICALLY, TODAY.

WE CAN LOOK BACK AT THE MOST REMARKABLE WILDLIFE RESTORATION

SAGA IN HISTORY, OUR DEER, ELK, MOOSE, ANTELOPE, WILD TURKEYS.

WATERFOWL AND MANY OTHER NON-GAME SPECIES HAVE NOT ONLY

RETURNED TO HEALTHY NUMBERS BUT IN SOME CASES, MULTIPLIED

MANY TIMES.

AMERICA'S SPORTSMEN. AND THEIR PARENTS AND GRANDPARENTS.

ARE RESPONSIBLE FOR THIS ALL RECOGNIZED THE NEED FOR SENSIBLE WILDLIFE PROGRAMS AND LEGISLATION. AND PROVIDED THE WORK.

DEDICATION AND VOTES THAT GOT THE JOB DONE, WE ALL BENEFIT TODAY FROM THEIR VISION. OVER THE SAME CENTURY. THE REMINGTON ARMS COMPANY HAS GROWN TO BECOME THE NATION'S LEADING PRODUCER OF SPORTING ARMS. AMMUNITION AND RELATED ACCESSORIES. IT HAS ACCOMPLISHED THAT BY ITS OWN DEDICATION TO CONSISTENT PRODUCT GUALITY. SAFETY AND DESIGN INNOVATION TO HELP YOU GO AFIELD WITH THE FINEST PRODUCTS POSSIBLE.

THERE WILL BE NEW CHALLENGES IN THE NEXT CENTURY, FOR YOU AND FOR US. WE ARE FROUD TO BE YOUR PARTNERS IN FACING THEM WITH CONTINUED SUCCESS.

BEST WISHES FOR A GREAT SEASON

Tommy

Millner

TOMMY MILLNER

TABLE OF CONTENTS

FIREARMS						-3-3	3. 4.
AMMUNITI				120		34.5	4
			27			5 T. C. S.	1.
ACCESSOR	!!ES		1900	::::::::::::::::::::::::::::::::::::::	35 . 1 1 A	55-6	
SHOOTING	school/	STREN				6	
REMINGTO				3.434	100	6	o ·
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			3 8 V 3	4.3		1 1 1 1 1 1 1 1 1	
LICENSED	PRODUCTS					$I \cup \{1 \atop X$	Type
		3 12 30			なになみ	32 X 3	2000



BEGINS THE MAGNUM SYSTEM OF THE FUTURE

Only Remington® could do
this on a commercial basis. We've
introduced the first new centerfire
magnum case design in 87 years,
and simultaneously matched it to
nine versions of our famous Model
700,™ with the action strength and
rigidity to not only handle such a
cartridge, but deliver its full power
and accuracy potential.

The cartridge is the new .300 Remington Ultra Mag, the first commercially available non-belted magnum, and a departure from magnum case design that pre-dates World War I. The elimi-

nation of the case belt permits headspacing on the cartridge shoulder, adding greater case powder capacity and more precise contering of the bullet with

the bore for improved accuracy.

By designing the new cartridge

for specific use in our Model 700"

bolt-action rifles, we were able to match them to each other with no compromise in the basic design,

strength and integrity of the rifle. For example, the rebated rim of the .300 Remington Ultra Mag fits into the recessed bolt face of the Model '700" without reducing the thickness of the unbroken surrounding ring.

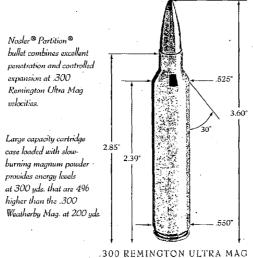
This preserves the strength of the three overlapping "rings of steel"



for which the Model 700™ has become famous.

The Ultra Mag'" cartridge length also matches perfectly with the length of the Model 700™ Magnum action. And case diameter allows cartridges to fit into, and feed reliably from, our Model 700" magazines.

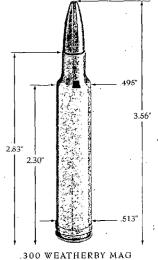
Finally, to derive maximum performance from the abundant powder capacity of the .300 Remington Ultra Mag, all Model 700" rifles chambered for it have 26" barrels. The final bonus to hunters of this integrated riflecartridge system is the availability of custom-built performance at non-custom prices.



Greater case diameter immediately beneath the shoulder.

30-degree shoulder angle for positive headspacing and more precise alignment of cartridge with the bore - an important factor in superior accuracy.

Greater case body diameter at base results from beltless design. Increased dimensions of .300 Remington Ultra Mag throughout the length of the cartridge create 13% more case capacity than .300 Weatherby Mag.



★:300 REMINGTON ULTRA MAG BALLISTICS

\(\text{Velocity (ft/sec*)} \) \(\text{100} \) \(\text{200} \) \(\text{300} \) \(\text{300} \) \(\text{400} \) \(\text{500} \) \(\text{100} \) \(\text{100} \) \(\text{VdS} \) \(\text	100	Energ 200 yds	y (ft-lbs) 300 yds	400 yds.	500 yds:	Long-range Trajectory (1) 1005 150 200 250 000 400 500 1005 100 100 100 100 100 100 100 100 100
3300 33. 3084 2879 2684 2496 2316 34352	3082	3313	2878	2490	2144	1.9 2.3 1.71 si vzero. 4.30 (12.14/26.9)
*From 26" Barrel						

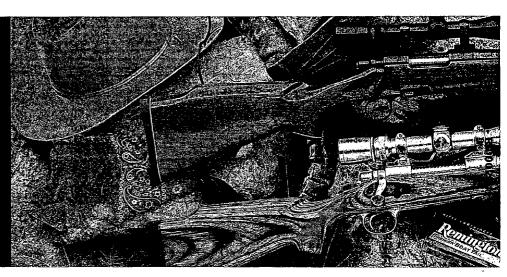
MODEL 700" RIFLES CHAMBERED FOR THE .300 REMINGTON ULTRA MAG

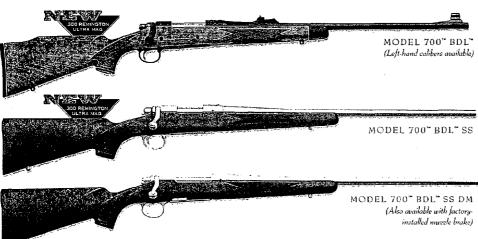
Model 700", BDL" Model 700", LSS (R & L-H)	Model 700™ APR (African Plains Rifle)	Model 700 Custom KS
Model 700" BDL" SS Model 700" Sendera" SF	Model 700™ AWR (Alaskan Wilderness Rifle)	Model 700™ Custom KS Stainless



THE STANDARD FOR THE 21ST CENTURY

The Model 700™ is the rifle that established modern bolt-action rifle design standards. No other centerfire bolt action offers such a predictable and dependable combination of accuracy, strength, reliable function and lifetime durability. After nearly 40 years of production, it remains completely modern, ahead of its time and virtually unduplicated in shooting performance. If this rifle were just being introduced now, in 1999, it could easily be hailed as a breakthrough for the beginning of the next 100 years.





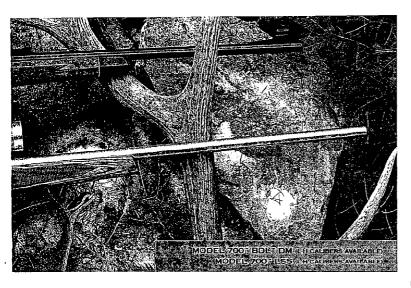
From the early models of the 1890s, basic bolt-action rifle design changed little for nearly 60 years. Then in the middle of this century, a major advance in design created the modern bolt action. Named the Remington® Model 700,™ it was simpler, stronger, more reliable and more accurate than any other rifle ever made. It still is.

Reasons for this can be found in Model 700" design. A far more rigid, cylindrical receiver replaced the earlier flat-bottomed types. Besides adding stiffness, this design provides a greater and more consistent bedding contact area for the action in the stock.

Next came a counterbored bolt face that completely encloses the cartridge head with an unbroken ring of steel. That ring feeds inside the barrel chamber, which is further surrounded by the receiver. The resulting "three rings of steel" create the strongest action made.

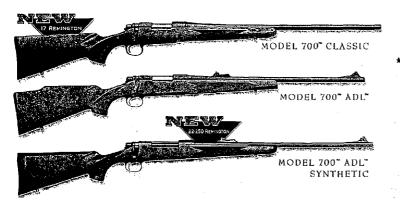
This design also produced other benefits. A completely supported cartridge allows snugger chambers and more consistent alignment of the cartridge with the bore. That helps accuracy. And the unique Model 700" bedding system is another key to its accuracy. It starts with more surface area from the cylindrical receiver. The barrel is then free-floated from the receiver to a contact point near the tip of the fore-end. This helps produce uniform barrel harmonics and more consistent performance from shot to shot.

All these features enhance the inherent accuracy of the rifle. Two more help the shooter: the exceptionally crisp Model 700™ trigger and 3.0 millisecond lock time minimize effects of shooter movement. The end result is a betterplaced shot, and the secret to the Model 700's now legendary out-of-the-box accuracy.

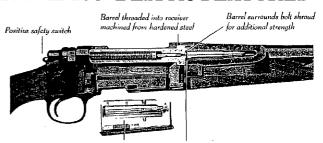


Model 700s are also offered in a variety of styles and options to meet individual needs, preferences, and hunting conditions. These include our basic blind-magazine ADL" style, with wood or synthetic stock and carbon-steel barrel; BDL" style with wood or synthetic stock and carbon- or stainless-steel barreled

action and lunged floor plate magazine, and DM versions with convenient detachable magazines. Other options include choices of American walnut, synthetic and laminated-hardwood stocks; carbon-steel and stainless-steel barreled actions; and mirror-image left-hand actions and stocks. (See page 32 for caliber listings.)



MODEL 700" DESIGN FEATURES



Detachable magazine box and follower are constructed of stainless steel for maximum durability and weather resis

Recessed bolt face completely encloses cartridge head for maximum protection against case rupture

RIFLE DIMENSIONS / AVERAGE WEIGHTS

Model	er per	Action Type	Barrel Length	Overall Length	Avg. (lbs.)	Stock Stock BBL Mattl Finish (Matt)	BBL (1) Finish (1)
700™ B	BDL"	Magnum ³	24"	441/4"	7½ s		D . C. L 4
		Long Action	22"	42'h"	73%	American Gloss Carbon Walnut Steel	Polished Blue
		Short Action ²	22"	41%"	7%	Training.	Side
700" B	BDL™ DM	Magnum	24"	44'/-	714		
		Long Action	22"	42'h" .1	73/4	American Gloss Carbon Steel	Polished Blue
		Short Action	22"	41%	7%		
700™ BDL™ SS	Magnum ³	24"	44%"	7%	Black Matte 416	Satin	
	Long Action	24"	44 /5"	7% .	Synthetic Stainless	Stainless	
700° E	OO" BDL" SS DM1	Magnum	24"	44 //	71/4		
	Long Action	24"	44 /	7% ·	Black Matte 416 Synthetic Stainless	Satin Stainles:	
		Short Action	24"	43 ½"	7%		, p
700™ L	SS	Magnum ³	24"	44%"	7%	Grav Gloss 416	Satin Stainless
		Long Action	24"	44%"	7%	Laminated Stainless	
700™ (Classic	Short Action	24"	44%	71/4	American Satin Carbon Walnut Steel	Polished Blue
700° /	ADL	Magnum	24"	44 /5"	71/4		
		Long Action	22*	42%	7%	American Satin Carbon Walnut Steel	Polished Blue
		Short Action	22"	41%"7	71/4		his in
700° /	ADL™ Syn.	Magnum	24"	44%"	71/4	一个位在1000年的世纪时代	KALINET I
		Long Action	22".	r:42%	73/6	Black Matte (*Carbon Synthetic State Steel	Matte Blue
		Short Action	22*2	41%	7'4		
700" /	ADL™ Syn. Youth	Short Action	20"	39%	61/4	Black Matte Carbon Synthetic Synthetic	

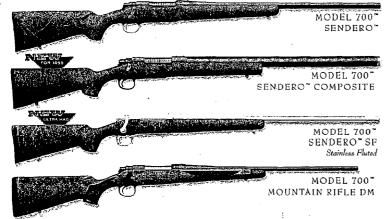
¹ Model 700° S5 DM-B rifles with muzzle brake option have 25' overall barrel length.

24' barrel in 22-250 Remington and 223 Remington, 43%' overall length.

26' barrel in 300 Remington Ultra Mag, 64%' overall length.

for full caliber listings and L-H offerings, refer to page 32.





Any gunmaker can tack a heavy barrel onto a bolt action. But our Model 700" Sendero" starts with the existing Model 700 $^{\circ}$ action advantages of strength, rigidity, fast lock time and crisp trigger pull. The stiffer barrel has Remington's snug chambers and hammerforged uniformity, plus a 26" length to wring out every increment of velocity and energy from the cartridge.

Going a step further, the Model 700^{re} Sendero" SF (Stainless Fluted) adds the corrosion resistance of a stainless-steel barreled

action, and longitudinal barrel flutes that cut weight by a half pound, retain rigidity, and increase heat dissipation. At even lighter weight but with equal shooting performance, the Model 700" Sendero "Composite utilizes Remington's revolutionary new composite varmint barrel, but in a long-action version (see next page).

All three rifles are set in our strongest composite stock with a full-length aluminum bedding

block that free-floats the barrel. Think of them as benchrest rifles for big-game hunting.

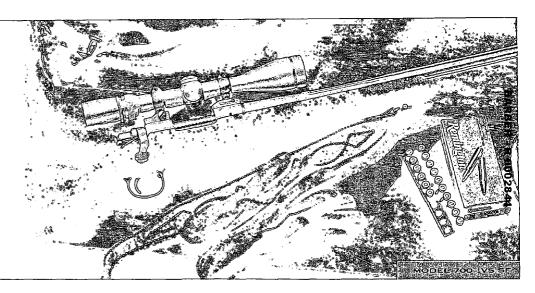
For hunting that involves serious liking or climbing, our lightweight Model 700™ Mountain Rifles, including the new laminated stock stainless (LSS) shown above, are built with trim stocks and tapered barrels, and combine carbine-like fast handling with the advantages of full-bore range and accuracy.

RIFLE DIMENSIONS / AVERAGE WEIGHTS

	Mode		Action Type				Stock Stock BBL BBL s. J. Mat Finish Mat Finish
*	700™	Mtn. LSS	Long Action	22"	42%	65%	Brown Satin 416 Satin
			Short Action	22"	41%	61/4	Laminated Stainless Stainless
	700™ Mtn. DM	Long Action	22"	3/42 h"	65%	American Satin Carbon Satin	
			Short Action	22"	41%	61/4	Walnut Steel Blue
	700™ Sendero™	Magnum	26"	46%	9	Keylar Matte Carbon Matte	
			Long Action	26"	46%	9	Reinforced Steel Blue
	700°	Sendero™ SF	(Magnum)	26"	46%	8'8	Kevlar® Matte 416 Satin
	-		Long Action	26"	46%	8%	Reinforced Stainless Stainless
*	700™	Sendero™ Composite	Long Action	26"	46%	71/4	Kevlar Matte Graphite Satin
	For full	caliber listings refer to	page 32.				★ New For 1999

STATE-OF-THE-ART DESIGN AND ACCURACY FOR VERY SMALL, VERY DISTANT TARGETS

Starting with the inherent strength and accuracy of a standard Model 700 we've added sophisticated bedding support for the action in the strongest most-stable stocks made, and filled each dile with exceptionally rigid largestype bearels. The result is a group of varmint designed to deliver virially unabanging point of impact over long. repidly repeated shot strings. Theils the ullimate in accuracy.



Stock choices for Model 700™ Varmint rifles are extremely rigid and unaffected by the elements. Those of fiberglass com-

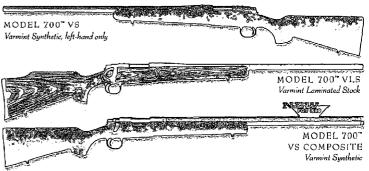
posite are strengthened by Kevlar® and graphite and are unaffected by temperature or humidity. These composite stocks feature an aircraft grade aluminum bedding block that runs the full length of the receiver. And our wood stocks provide exceptional strength and stability from laminated, alternating strips of resin-impregnated hardwood.

Barrel choices include heavy-contour carbon steel; stainless steel with the lighter-weight but expanded heat-dissipating surface of six longitudinally cut flutes, and our truly revolutionary new composite barrel. This encases a lightweight stainless-steel liner inside an

> outer composite material of epoxy-hardened graphite fiber. The result is a combination of strength and rigidity that could be matched only by an all-steel barrel weighing many times more. But the real advantage comes from super-enhanced

heat dissipation that virtually eliminates barrel walk from heat build-up.

Built on the rigid Model 700 cylindrical action, these are the most accurate rifles we have ever produced for over-the-counter sale.

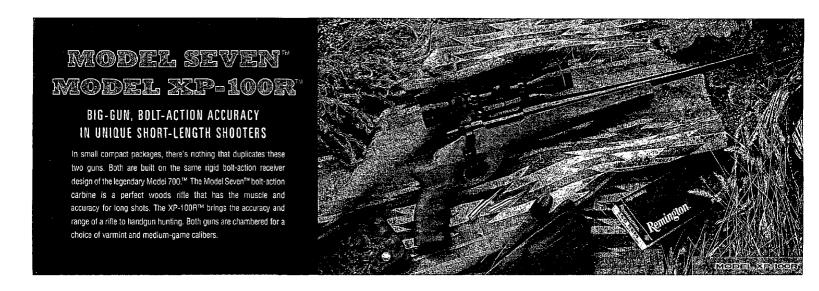


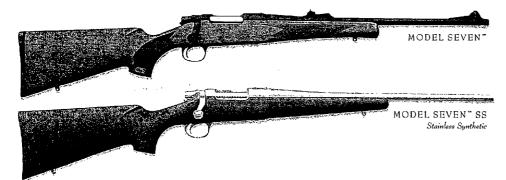
RIFLE DIMENSIONS / AVERAGE WEIGHTS

Model	Action Type	Barrel Length	Overall Length		
700° VS SF	Short Action	26"	45'4"	8%	Kevlar®- Matte 416 Satin
700™ VS SF-P	Short Action	26"	11	B ¹ /2	Kevlar®- Matte 416 Satin
700™ VLS	Short Action	26"	45%	9³h	Brown Satin Carbon Matte Laminated Stee
700™ VS (L-H Only)	Short Action	26"	454	9	Kevlare Matte Carbon Matte Reinforced Stee
700™ VS Composite	Short Action	26"	4574	.7 ⁷ /a	Kevlare Matte Graphite Satin Reinforced Composite

For full caliber listings and L-H offerings, refer to page 32.

New For 1999





The Model Seven" has been called "the best whitetail deer rifle in America." Virtually every hunter who has ever used one will agree. Although this is an attractive rifle, you can't truly appreciate it by looks alone. True understanding comes from bringing it to your shoulder to sense its fast-handling balance, and carrying it all day to enjoy its light weight and short length for close-cover convenience.

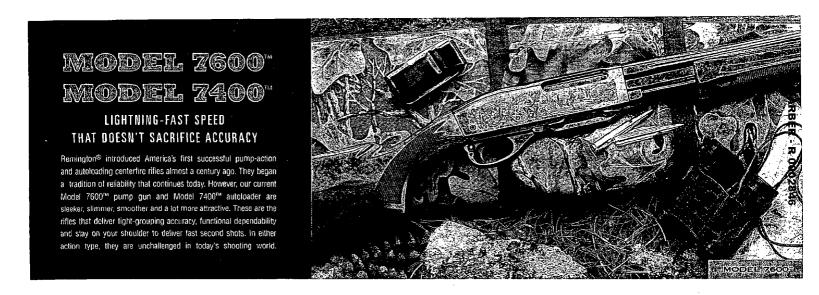
Despite its featherlight 61/4 pounds, this compact carbine still delivers big-gun performance. Chambered for five highly efficient short-action calibers, it retains the range and accuracy for any "bean field" shots you encounter. Available Model Seven' combinations include carbon-steel and walnut stock, stainless-steel with synthetic stock, and a shorter-stocked "youth gun" version.

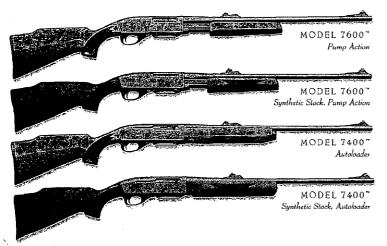
The Model XP-100R" is a hunting handgun that shoots like a rifle. Its bolt action has the same rigid cylindrical receiver and "three rings of steel" strength as the Model Seven" rifle. It brings to handgun hunting the effective power of legitimate medium-game cartridges, plus the accuracy needed for long-range varmint hunting. A blind box magazine permits rapid repeat shots. A rear-handle, composite stock reinforced with DuPont Kevlar® allows ample fore-end length for shooting over rests, and an integral swivel stud is included for convenient bi-pod attachment.

RIFLE DIMENSIONS / AVERAGE WEIGHTS

Model	Barrel Length	Overall Length	Avg Wt.(lbs!)	Stock Mat	Stock Finish	BBL V.	BBL Finish
XP-100R™	1416"	24%"	41/4	Kevlar®- Reinforced		Carbon Steel	Satin Blue
Model Seven™	1814"	3734"	6'4	American Walnut	Satin	Carbon Steel	Polished Blue
Model Seven' SS	20"	3914"	61/4	Black Synthetic	Matte		Satin Stainless
Model Seven** Youth	1814"	3634"	61/4	Hard- wood	Flat	Carbon Steel	Polished Blue

For full caliber listings refer to page 33.





Pride of craftsmanship is inherent in both our Model 7600 and Model 7400 rifles. It is created by the refined custom-style appearance of generously checkered American walnut

Monte Carlo stocks and fore-ends, and extensive fine-line engraving on the large receiver panels. Yet for rough workhorse use, each is also available in the option of strong, inert synthetic stocks and plain receivers. For even faster handling and close-cover convenience, both rifles are also produced in carbine lengths with 181/2" barrels. And all versions include the rapidreloading flexibility of drop-out clip magazines.

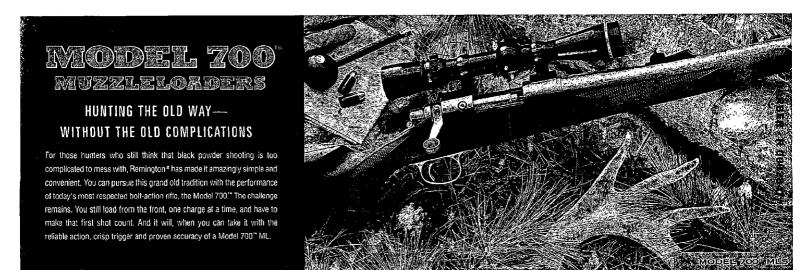
There is no faster-shooting repeater than our Model 7600" pump-action rifles. Smooth, slick operation comes from twin action bars, close tolerances and tack-driving accuracy from its

free-floated barrel. The result is a rifle that's equally at home in eastern forests, open prairies and western high country.

As the modern gas-operated successor to the famous Remington Model 8, our highly reliable, soft-shooting Model 7400" autoloader has earned its frequent description as "the deer hunter's deer rifle." All you need to do is aim, and squeeze the trigger.

RIFLE DIMENSIONS / AVERAGE WEIGHTS

Model	lbarrel at Length	Lengths	Wt. (ibs.)	Math Hinish	Metal	idell Finish
7600 [™]	22" ;	42%	7%	American Satin or Walnut High Gloss	Carbon Steel	Polished Blue
7400™	22	42%"	74,	American Satin or Walnut High Gloss	Carbon Steel	Polished Blue
7600™ Synthetic	22*	425%"	120	Black Matte Synthetic	Carbon Steel	Matte Blue
7400™ Synthetic	22	425%"	76	Black Matte Synthetic	Carbon . Steel	Matte Blue
7600™ Carbine (.30-06 only)	ìa¼",-/	39%"	7.4	American Satin	Carbon Steel	Polished Blue
7400™ Carbine (.30~06 only)	18%"	39¼"	7/4	American ⇒ Satin + Walnut	Carbon Steel	Polished Blue





Remington Model 700" ML in-line muzzleloading rifles bring you the best of two worlds. We've combined front-end loading with the most modern and successful bolt-action rifle ever designed, to create the finest muzzleloading rifles ever produced.

These rifles have the same look, feel and balance as a standard short-action Model 700.™ The difference is in a modified bolt and ignition system that utilizes a No. 11 percussion cap. Once loaded, they provide the strength and inherent accuracy of a centerfire rifle, with a remarkably fast lock time of just 3.0 milliseconds. They handle all types of muzzleloading ammunition with ease and accuracy - round balls, conical bullets and super-efficient sabot-encased bullets.

For rugged long-lasting use, each rifle is set in a strong, fiberglass-reinforced, synthetic stock with magnum-type recoil pad. Receivers are drilled and tapped for scope mounts. All Model 700™ ML rifles can handle up to 150-gr. equivalent of black powder.



larger for tophat style caps often used to inguite Pyrodex® pellets. Available separately from your Remington dealer.

RIFLE DIMENSIONS / AVERAGE WEIGHTS

Mode		Lgth.	Overall Lgth.	Wt.	Matl	Finish	BBL* Mat'l	BBL Finish:
700°	MLS	24"	42'6"	7¾	Black Synthetic	Matte	416 Stainless	Satin Stainless
700°	ML	24"	42%"	73/4	Black Synthetic	Matte	Carbon Steel	Satin Blue
700™	MLS Camo	24"	·42½"	7%	Synthetic	Mossy Oak® Break-Up	416 Stainless	Satin Stainless
700™	ML Camo	24"	42%"	7%	Synthetic	Mossy Oak® Break-Up	Carbon Steel	Satin Blue
	ML Youth orter LOP)	21"	38%"	714	Black Synthetic	Matte	Carbon Steel	Satin Blue

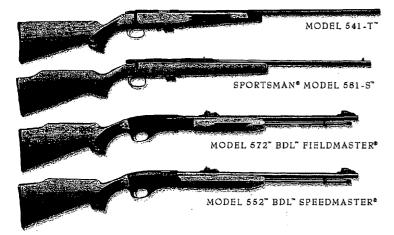
mount rou muzzicroagers are supplied with cleaning tube, combo breech plug and nip wrench, ramrod handle, ramrod extension, weather shroud, allen wrench and patch jag. For full caliber listings, refer to page 33.

RIFLES

DESIGN AND DURABILITY THAT WILL LAST FOR GENERATIONS

These are the traditional rimfire rifles that do all the things they've always done. They just do it better. There are beginner and training rilles, plinkers, practice guns, and superb small-bore hunters. Equally comfortable in the hands of a youngster or a graying veteran, they match the look and feel of their big-bore centerlire counterparts. In holt-, pump- and autoloading actions, they combine design simplicity and quality construction to last generations





The Model 541-T™ is an unmatched beauty among bolt-action rimfire rifles - with a classic-style American walnut stock, smooth, clean barrel and fast-changing clip magazine. The rigidity of its unique six-lug rear lock-up, and a centerfire-type trigger provide exceptional strength and accuracy. The basic action is so good, we also fitted a heavy 24" barrel to it — creating the Model 541-T™ HB, for serious target shooting enthusiasts.

The Model 572" BDL" Fieldmaster®

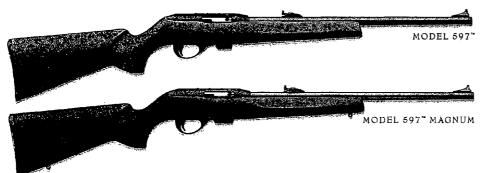
is the only American pump-action .22 rimfire, and the Model 552" BDL" Speedmaster® is the only American-made rimfire autoloader that can handle .22 short, long and long rifle cartridges interchangeably. Both these reliable repeaters have the same Monte Carlo stock design found on centerfire rifles, plus high-capacity tubular magazines, adjustable big-game sights, and receivers grooved to accept scope mounts.

The economical Sportsman® Model 581-S™ includes our rear locking bolt-action, Monte Carlo hardwood stock, and receiver with integral scope mount grooves and adjustable sights.

RIFLE DIMENSIONS / AVERAGE WEIGHTS

Model	Action Type	Mag./Clip Capacity	Barrela Length	Overall Length	Avg. Wt	V Order No.	Stock (Stock) BBL (BBL (BBL) Mat Stock BBL (BBL)
541-T™ HB (Heavy Barrel)	Bolt	5*	24°.	42 ¹ / ₂ "	6%	9822	American Satin Carbon Satin Walnut Steel Blue
541 - T™	Bolt (.22 S. L LR)	5*	24	421/4"	5/4	9824	American Satin Carbon Satin Walnut Steel Blue
581-5™	Bolt (.22 S. L. LR)	5*	24"	4214"	5%.	9848	Hardwood Flat Carbon Satin
552™ BDL™ Deluxe Speedmaster*	Autoloading (.22 S. L. LR)	15**	21"	40°	614.	5594	American Gloss Carbon Polisher Walnut Steel Blue
572™ BDL™ Deluxe Fieldmaster*	Pump - (.22 S, L, LR)	15**	21	40"	5% 2	5624	American Gloss Carbon Polished Walnut Steel Blue





From the very beginning, we designed the Model 597" for serious shooting. To many, that simply meant accuracy. To us, it meant a lot more than that. It meant one rifle with the functional reliability to be passed among three to four shooters for a whole morning of high-volume plinking without a hang-up. That's fun for the shooters, but it's serious business for the rifle. Certainly, accuracy was a prime design objective — the kind required to punch small groups in paper or reach out for longrange, small-size varmints. It also had to have the durability to

last for generations. Finally, we wanted a rimfire rifle with the heft and handling qualities of a bigger-bore centerfire, to allow shooters economical rimfire practice with a gun that felt and fit like their favorite deer rifle, without being too big for younger shooters with smaller statures.

As for accuracy, we built in features usually restricted to bolt-action guns. The newly contoured barrel is made out of chrome-moly steel for strength, with a centerfire-type muzzle crown that ensures precise bullet exit. And we designed a trig-

ger mechanism with no pre-play and remarkably crisp let-off.

For smooth, functional reliability the Model 597™ has a unique bolt guidance system of twin stainlesssteel rails that provide extremely smooth, controlled bolt travel. The benefit is feeding reliability and durability matching that of bolt-actions.

All bolts are nickel-plated for slick travel along the rails and corrosion-free maintenance. For low maintenance and longterm durability, all receivers are constructed of an exceptionally strong, lightweight metal alloy.

To duplicate "big gun" handling, Model 597" rifles combine generously sized pistol grips and fore-end. The shape of the fore-ends is comfortably rounded on the bottom, with concave finger grooves for comfortable, hand-filling control. The top of the receiver blends into the butt stock in a smooth line, creating a sleek-looking rimfire autoloader that points like a shotgun, but aims like a rifle.





REMINGTON® MODEL 597® **DESIGN FEATURES**

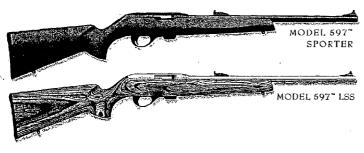
Grooved receivers are drilled and tapped for special scope base available from Remington. All Madel 597s supplied with iron sights. Model 597 bolt travels on twin steel guide rails for flawless functioning Unique attachment system rigidly joins barrd to receiver Patented drop-out style, for perfect alignment and Continuous linkage trigger mech staggered box magazine enhanced accuracy eliminates pre-play for crisp, consistently smooth trigger pull assures reliable feeding and fast, easy reloading

Model 597" rifles come with a number of built-in convenience features. For versatile sighting options, all receivers are grooved for standard tip-off mounts, and also drilled and tapped for a special Weaver-type base available from Remington. Adjustable big-game-type factory sights are standard on the 20" barrels. Patented advanced-design staggered clip magazines hold 10 long rifle and 8 magnum rounds respectively, and have a quick drop-out release for fast reloading.

The standard Model 597" combines a Remington carbon-steel barrel with a one-piece, dark gray synthetic stock.

The Model 597" Sporter has the same barrel and receiver combination, but the action is set in a walnut-toned hardwood stock with integral swivel studs.

The rugged Model 597" SS (Stainless Synthetic) houses a satin-finish, stainlesssteel barrel in a matching color alloy receiver and gray synthetic stock.



The Model 597" LSS (Laminated Stock, Stainless) combines the same stainless-steel barrel and gray-toned alloy receiver with a handsome laminated-wood stock of light and dark brown tones.

The Model 597" MAGNUM is a serious rimfire rifle that approaches small-bore centerfire rifles in performance. It has a blued carbon-steel bartel and alloy receiver of the same color tones. A patented bolt of heavier, special-alloy steel

retains uniform bolt speed with magnum ammunition. The weather-resistant black synthetic stock is impervious to swelling or cracking and has factory-installed swivel studs.

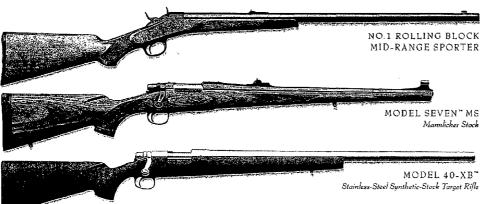
The Model 597™ MAGNUM LS (Laminated Stock) is similar to the Model 597 MAGNUM, but with an elegant gray-toned laminated-wood stock that duplicates the strength and stability of a synthetic stock.

RIFLE DIMENSIONS / AVERAGE WEIGHTS

Model	уре в фор	Length	Lengu	ETWAAF (102)	* NO	*Mat1类 Finish Mat1. * Finish□
597™	Autoloading (.22 LR)	; 20"	40 "	5%	6550	Gray Matte Carbon Satin Synthetic Steel Blue
597™ Sporter	Autoloading (.22 LR)	20	40"	5%	6564	Hardwood Flat Carbon Satin
597™ LSS	Autoloading (.22 LR)	20"	40"	5%	6556	Brown Satin 416 Satin Laminated Stainless Stainless
597™ SS	Autoloading (.22 LR)	20"	40"	5%	6565	Gray Matte 416 Satin Synthetic Stainless Stainless
597™ MAGNUM	Autoloading (.22 WMR)	20" 3 kg, 4	40"	6	6560	Gray, Matte Carbon Satin Synthetic 4 Steel Blue
597™ MAGNUM LS	Autoloading (.22 WMR)	20 ^.	40"	6	6566	Gray Satin Carbon Satin

(597"): 14" length of pull, 1%" drop at comb, 2%" drop at heel.





There are many sources of beautiful guns, and many specialized craftsmen to help create them. But there is only one like the Remington® Custom Shop. Most custom gun makers specialize in one element of the gun - usually stock making, barrel making, or engraving. Their own specialty is then combined with components obtained elsewhere. The result can be quite

handsome. But the total is still a hybrid of assembled parts.

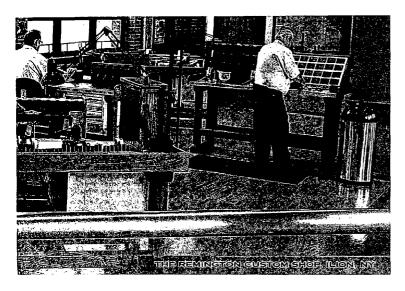
At the Remington Custom Shop, every part of the gun is created by the nation's oldest and most experienced gunmaker. We start with one of our own well-known and totally proven actions. Although custom guns can provide owners with the extra beauty of decoration and select stock woods, the action

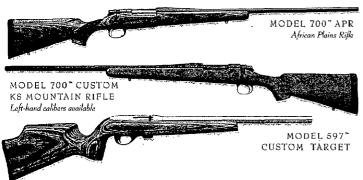
remains the foundation that determines its ultimate performance and durability. And there are no actions with a longer, betterdocumented track record of sound design, strength and reliability than those such as Model 700™ sporting rifles, Model 40-X™ series target rifles, Model 11-87" and Model 870" shotguns. The bonus to those who invest in a Remington custom gun is that they can see what they are buying in external beauty and be comfortable with the proven performance quality of what's underneath.



Actually, more custom centerfire rifles, from Remington or elsewhere, are built on Model 700™ actions than any other. And at our Custom Shop, they are fitted with famous Remington barrels that are individually hand-turned, rifled, lapped and crowned.

Three classes of guns are available from the Remington Custom Shop. Shooters can order a custom-made version of any





existing Remington model in a wide variety of grades and custom options. These include a selection of increasingly fancy handsomelygrained stock woods, hand-carved to preferred styles and personal dimensions, with a choice of finish and hand-cut checkering patterns. Added to this are comparable choices of artistic metal embellishment by our master

engravers, including optional gold inlay work.

We also produce a number of specialized non-production guns, hand-crafted only in the Custom Shop. These include our Model 700™ African Plains Rifle, Alaskan Wilderness Rifle, Custom KS Mountain Rifle, Model 700" Safari rifle and the Model Seven ** MS (Mannlicher Stock) rifle. Equally

CUSTOM SHOP PRODUCTS

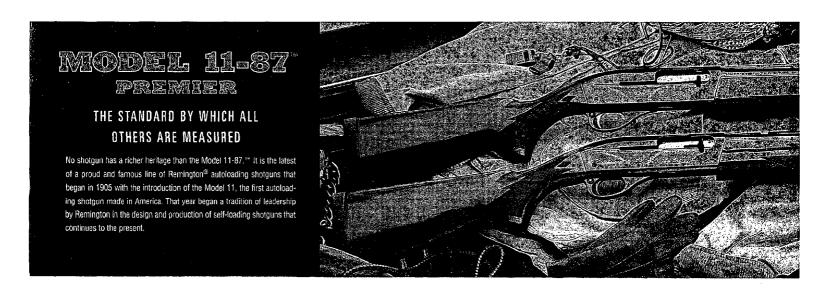
Model 1996 A 1997 A 1997	Descriptions at the second
Model 40-XB™ Target Rifle	Single-shot or repeater target rifle with 27%* stainless heavy barrel in 15 centerfire caliber choices from .220 Swift to .300 Win Mag, walnut stock, Kevlar®-reinforced stock, or laminated thumbhook stock.
Model 40–XBBR™ Target Rifle	Single-shot benchrest-style rifle with 24" stainless heavy barrel in five caliber choices from .22 BR Remington to .308 Win. Kevlar®-reinforced stock with flat bottom benchrest fore-end.
Model 40-XRBR" Target Rifle	Single-shot benchrest-style rifle with 24" stainless heavy barrel in .22 LR only. Kevlar®-reinforced stock with flat bottom benchrest fore-end.
Model 40–XR™ KS Target Rifle	Single-shot position rifle with 24" stainless heavy barrel in .22 LR only. Kevlar®-reinforced stock with palm stop rail.
Model 40-XC™ Target Rifle	National Match Course rifle with 24* stainless heavy barrel in 7.62 NATO only. Kevlar®-reinforced stock with palm stop rail. Loads from stripper clip.
Model 700™ KS Mountain Rifle	Kevlar®-stocked lightweight sporter with 24" stainless or carbon custom profile barrel in 12 calibers from .270 Win. to .375 H&H Mag. Select L-H versions available.
Model 700™ APR (African Plains Rifle)	Laminated-wood stock, 26" custom profile carbon-steel barrel in six magnum calibers from 7mm Rem. Mag. to .375 H&H Mag.
Model 700™ AWR (Alaskan Wilderness Rifle)	Kevlar® stock, 24" custom profile, black Teflon®-plated stainless-steel barrel in seven magnum calibers from 7mm Remington Mag. to .375 H&H Mag.
Model 700™ Safari Rifle	Kevlar®- or wood-stocked big-game rifle with 24" stainless or carbon heavy magnum barrel in 8mm Rem. Mag., .375 H&H Mag., .416 Rem. Mag., and .458 Win. Mag. Select L-H versions available.
Model Seven™ MS (Mannlicher Style) Rifle	Full-length Mannlicher-style laminated-wood stock. 20" carbon-steel barrel chambered in 12 short-action calibers from .222 Rem. to .350 Remington Mag.
Model Seven™ KS Rifle	Kevlar®-stocked carbine with 20" carbon-steel barrel in six short-action chamberings of .223 Remington, 7.mm-08 Remington, .260 Remington, .308 Win., .35 Remington, and .350 Remington Mag.
Rolling Block Mid-Range Sporter	Mid-Range Sporter Remington Rolling Block. American walnut stock; satin blue metal finish; buckhorn rear and blade front sight. 30", round carbon-steel barrel. Available options include half-round, half-cagonal, barrel; original Remington rear tang-mounted vernier sights and front globe sight with spirit level; single set trigger; semi-fancy American walnut stock with steel Schnabel fore-end tip and steel butt plate; and case-colored receiver.
Model 597™. Custorn Target	Clip-fed autoloader in .22 LR or .22 Win. Mag. chamberings. 20" heavy stainless BBL Multi-colored laminated Monte Carlo Stock.
Model 700" Custom Model 7600" & 7400" Model SP-10"/11-87" Model 1100"/870" Model 396"	Three levels of custom grades for engraving, gold inlay, wood grade and finish, metalwork finish, recoil pad/butt plate, and dimensions.
Custom Shop Upgrades to New Guns	Numerous options including engraving/gold inlay, stock upgrades/ custom dimensions and finishes, barrel porting (shotguns) and muzzle brakes.

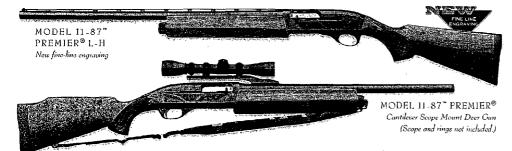
Call (800) 243-9700 for a catalog with additional detailed information about all our Custom Shop products and services.

unique are the re-created No. 1 Rolling Block Mid-Range Sporter and the stunningly beautiful Model 40-XR" Rimfire Sporter.

Finally, there is the distinguished Model 40-X™ series of legendary target rifles in both centerfire and rimfire versions, with standard walnut, laminated-wood or Kevlar*-reinforced composite stocks.

The purchase of a custom gun is a serious investment. A great comfort to those making such an investment through the Remington Custom Shop is their ability to discuss personally the exact details, specifications, style and degree of decoration to be created in the gun of their dreams.





For those who truly appreciate fine shotguns, the Model 11-87" Premier® is a pleasing blend of the past and the present. It combines exceptional reliability and versatility with clean lines and timeless classic proportions.

Versatility and reduced recoil are the most immediate benefits the Model 11-87 brings to shooters. It handles all 12-gauge 234" and 3" shells interchangeably, from target or field loads to heavy magnums. The same gun you use today on a skeet field can be used tomorrow in a goose blind. You simply select

the appropriate shells. And our interchangeable Rem' Choke system lets you quickly match the choke constriction to the range involved. That's versatility.

Duzability and dependability are the built-in features that make the Model 11-87" a lifetime gun. Trouble-free longevity comes from features like a simple internal design with heat-treated, fatigue-resistant parts, a chrome-plated bolt and a stainless steel magazine tube. To counteract the strain of heavy magnum shells, a unique pressure relief valve maintains

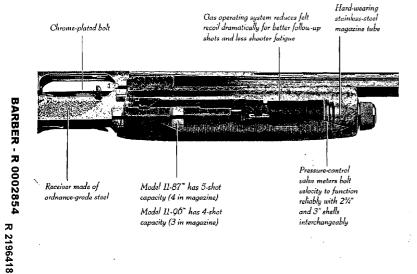
uniform gas pressure. With light loads, it stays closed. With heavier loads, it progressively bleeds off excess gas volume. The result is reliable functioning and uniform bolt velocity with all loads. The gas system is also self-cleaning, preventing residue build-up and minimizing maintenance.

Another feature that makes the Model 11-87™ Premier®a superior shotgun is its custom-like finish and embellishment. Stocks of nicely grained American walnut have generous, sharply cut checker ing. And the broad receiver panels are elegantly decorated with a tasteful pattern of Remington's fine-line engraving.

Now, in answer to years of shooter requests, there is a lightweight, scaled-down, 20-gauge Model 11-87" Premier.® In lighter, faster-handling form, it duplicates the reliability, versatility and refined good looks of the 12-gauge version. It also handles all 20-ga. 23/4" and 3" shells interchangeably.



REMINGTON® 11-87™/11-96™ GAS OPERATING SYSTEM



THE REMINGTON® 11-96™ EURO LIGHTWEIGHT

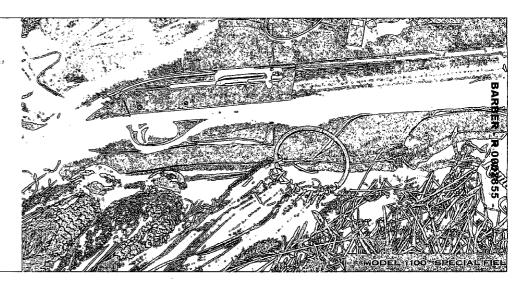
THE WINGSHOOTER'S CHOICE CLASSICALLY STYLED LINES GRACE THE FASTEST-HANDLING 12-GAUGE AUTOLOADER YOU CAN IT HAS ALL THE STRENGTH AND REPEAT-SHOT RELIABILITY OF OUR MODEL 11-87" PREMIER. BUT ITS & LIGHT-CONTOUR BARREL, TRIMMED-DOWN RECEIVER AND 3-SHOT MAGAZINE CAPACITY DROPS ITS

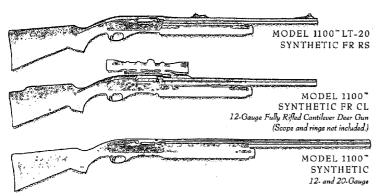
WEIGHT TO UNDER 7 LBS. WITH A 26° REM™ CHOKE BARREL. BEAUTIFULLY CONSTRUCTED WITH CLARO

Model	Premier® %	11-87" Premier® (20-ga.)	► 11-87" Premier® , (L-H)	Premier® Cantilev	11-96™ er Euro Lightweight
Gauge	12	20	12	12	12
Mag. Capacity	4	4	4	4	3
BBL Lengths/ Order No.	30"/5287 28"/5289 26"/5291	28"/9591 26"/9593	28"/9909	21"/9831	26"/9863 26"/9869
Barrel Type	Light Contour Vent Rib Rem ^m Choke	Vent Rib Rem™ Choke	Light Contour Vent Rib Rem™ Choke	Cantilever Scope Mount Fully Rifled	Light Contour Vent Rib Rem [®] Chake
Sights	Twin Bead	Twin Bead	Twin Bead	-	Single Bead
Metal Finish	High Polish Blued.	High Polish Blued	High Polish Blued	High Polish Blued	High Polish Blued
Overall Length	50%" (30" BBL) 48%" (28" BBL) 46" (26" BBL)	48¼" (28" BBL) 46" (26" BBL)	48%"	41%"	48%" (28" 8BL) 46 (26" 8BL)
Length of Pull	14"	14"	14"	14%"	14".
Drop (Comb)	1/5"	1%"	1'4"	134"	11/4"
Drap (Heel)	2'/6"	2 %"	21/3"	17/6"	(2 h"
Stock Material	American Walnut	American Walnut	American Walnut	American Walnut	Claro Walnut
Stock Finish/ Order No.	Gloss (30", 28", 26"). Satin (26"only/9873).	Gloss .	Gloss	Satin	Satin: +,,
Avg. Wt. (lbs.)	7% (30" BBL) 7% (28" BBL) 7% (26" BBL)	7 (28" BBL) 6% (26" BBL)	714	8	7 (28" BBL) 6% (26" BBL)

THE BEST-SELLING AUTOLOADER IN FIREARMS HISTORY

If there were a Hall of Fame for shotyme, the record-setting Model 1100° would be one of the first shoppins admired — even though it's still an active player. This is the shotpun with the repeat-shot reliability that brought gosopartial autoloadars into the modern one for every type of shooting activity. Us the best-selling autoloader of all time, and the only gas-operated shotpun with the action dependability to be produced in three different gauges.





Introduced as a shotgun designed to make any shooter a better shot, the famous Model 1100" has been doing just that ever since. Wherever you hunt upland birds, waterfowl, turkeys or deer, you'll find the Model 1100" - some new, some over 30 years old. It was the first autoloader with the reliability for serious clay target competition,

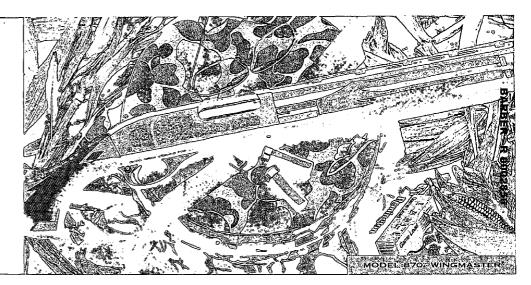
and has won more skeet tournaments than any other single autoloading model. And is still winning them. There are good reasons for this - superb balance and pointability, lifetime durability, and light recoil. These qualities are available in a selection of fasthandling upland, deer and youth models.

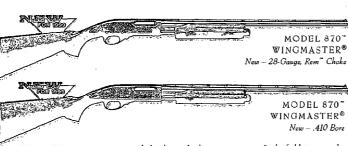
Model	1100™ Special's Field	1100" Synthetic	1100" LT-20 Synthetic Fully Rifled Rifle-Sighted	1100 Synthetic Fully Rifled Cantilever	1100" LT-20 Synthetic Youth Gun	1100" LT-20 Youth Synthetic Turkey Camo
			Deer Gunt	Scope Mount Deer Gun		
Gauge	12, 20	12, 20	20	12	20	20 (Magnum)*
Mag. Capacity	3(12-ga) 4(20-ga)	4	4,	4	4	4
BBL Lengths/ Order No.	23" 12-ga/5335' 23" 20-ga/5381	28" 12-ga./5369 26" 20-ga./5371	21"/5365	21"/5363	21"/5367	21"/5379
Barrel Type	Vent Rib Rem." Choke	Vent Rib Rem™ Choke (Mod Only)	Fully Rifled	Fully Rifled	Vent Rib. Rem™ Choke (Mod. Only)	Vent Rib Rem™ Choke (Full Only)
Sights	Twin Bead,	Single Bead	Rifle Sights	Cantilever Scope Mount	Single	Twin Bead
Metal Finish	High Polish Blued	Matte Black Non-Reflect.	Matte Black Non-Reflect.	Matte Black Non-Reflect.	Matte Black Non-Reflect	Matte Black Non-Reflect.
Overall Length	43'4".	48" (12-ga.) 46" (20-ga.)	41"	4114"	40'/-	40¹&"
Length of Pull	14"	14"	14"	14"	13"	13"
Drop (Comb)	11/6"	11/4"	1%"	11/4"	11/4"	116"
Drop (Heel)	2'6"	21/6"	2'h"·	17/6"	2'//"	2'//
Stock Material	American Walnut	Black Synthetic	Black Synthetic	Black Synthetic	Black Synthetic	Camo-Covered Synthetic
Stock Finish	Satin	Matte	Matte	Matte	Matte	RealTree® Advantage® Camo
Avg. Wt. (lbs.)	7¼ (12-ga.) 6¼ (20-ga.)	7 (12-ga.) 6³4 (20-ga.)	7	71/2	6%	634

with target and field toads.

AN UNMATCHED COMBINATION OF LOOKS AND LONGEVITY

The Model 670" pump-collon shotgan stends alone as the most popular, durable, bast-selling shotgun over made in any arction type. Now a proven vateran with a near 50-year history, it has not only withstood the test of time, but remains the world standard in design and performence. No gunnaker has ever made a pump gun that is superior, or even its equal.





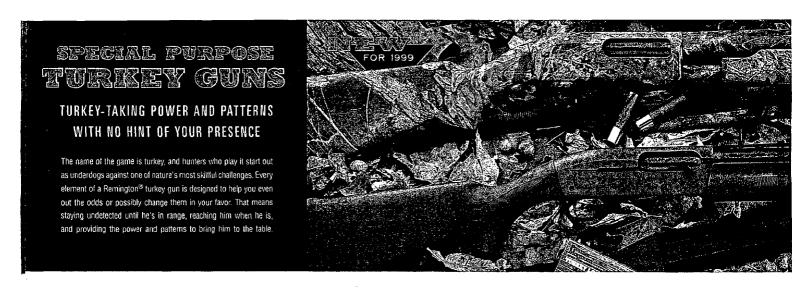
If the Model 870™ Wingmaster® were a vehicle, it might be described as being "tractor-tough with luxury sedan looks." The venerable Wingmaster® combines all the rugged reliability of a Model 870™ action with custom-like quality of finish and decoration. The pistol grip and fore-end of its traditional American walnut stock are broadly covered

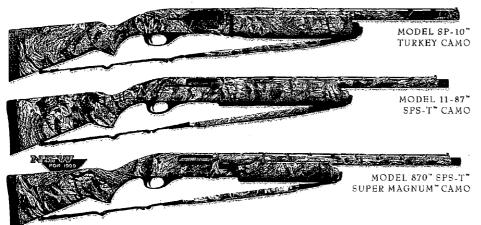
with deeply cut checkering at 20 lines per inch. And all receiver panels are fully engraved with delicate, fineline scrollwork.

Beneath its handsome exterior is the proven, trouble-free Model 870™ action that shucks shells in and out with roller-bearing ease and smoothness. And there are more Model 870s in use today than any other shotgun.

In the field, its natural pointing qualities provide the handling speed for the most evasive upland birds. Yet it has strength to handle 3" magnum loads for long-range waterfowl shooting. And this year, we have returned both 28-gauge and .410-bore versions of the Wingmaster,® making these beautiful little guns available once again to small-bore fanciers.

Model 4	Wingmaster® # 12 20 20 20 20 20 20 20 20 20 20 20 20 20	Wingmaster®: (20-ga:)	Wingmaster® *** r (28-ga.) ***	Wingmaster®# .410 Bore
Gauge	412 SA STATE	20	28	.410 Bore
Mag. Capacity	4 1 1 2 2 1	4	4	4
BBL Lengths/ Order No.	30"/5053 Gloss Finish 28"/5055 Gloss Finish 26"/5057 Gloss Finish 28"/5063 Satin Finish	28"/5073 26"/5075	25*/5227	25"/4987
Barrel Type	Light Contour Vent Rib Rem Choke	Vent Rib Rem™ Choke	Vent Rib Rem™ Choke	Vent Rib Mod.
Sights	Twin Bead	Twin Bead .	Twin Bead	Twin Bead
Metal Finish	High Polish	High Polish Blued	High Polish	High Polish Blued
Overall Length	50%" (30" ABBL) 48%" (28" BBL) 46%" (26" BBL)	48'h" (28" BBL) 46'h" (26" BBL)	45%	451/4"
Length of Pull	101400859240304039	14"	14.	14"
Drop (Comb)	LAW TO ME - STORY	11/4"	17-18 32 . 30	
Drop (Heel)	12%" 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21/4"	22h	2'4",
Stock Material	American Walnut	American Walnut	American Walnut	American Walnut
Stock Finish/ Order No.	Gláss (30°, 28°, 26°) Satin (28°)	Gloss (26" BBL) Satin (28" BBL)	Satin	Satin
Avg. Wt. (lbs.)	7 (30" BBL) 7 (28" BBL) 6 4 (26" BBL)	6¼ (28" BBL) 6¼ (26" BBL)	6.7	6.





These specialized Remington turkey guns do indeed have a special purpose — to convert one of those finicky, feathered phantoms of the woods into a turkey dinner. That's not always an easy task. No game species is spookier and warier

than the wild turkey. But every one of our turkey guns is built from scratch to help you win this game of hide 'n seek.

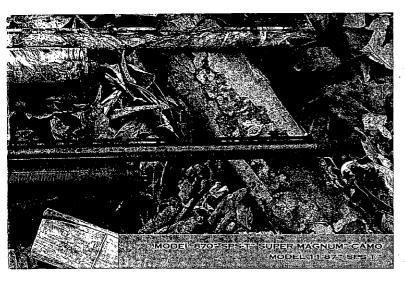
A Wide Selection of Models and Options

First, depending on your preferences for action type and

payload, Remington offers the broadest selection of versatile turkey gun options in existence. That selection includes five different guns and four different models. The most formidable is our Model SP-10 " Magnum Turkey Camo, providing 10-gauge magnum power from shells carrying a full hardhitting 21/4 ounces of shot.

Approaching the power of a 10-gauge, but permitting the widest selection of loadings ever possible in a single shotgun, is our Model 870" SPS-T" Super Magnum" Camo. In this most popular pump-action shotgun of all time, you can use any 12-gauge load made, from 23/4" standard or magnum shells up to 3" or 31/2" magnum loads.

Next, you have two choices of our light-recoiling gas-operated Model 11-87" Autoloader, with the ability to handle 12-gauge



23/4" and 3" magnum shells interchangeably.

Finally, for young or small-stature hunters, our famous Model 1100" 20-gauge Youth Gun, in a camo-covered synthetic-stocked version, provides the easy-handling balance of a shorter stock with a quick-pointing, 3"-chambered 21" barrel.

Specifically Equipped for Turkey Hunting

Every one of these well-known and fieldproven shotguns is specially designed for one purpose - successful turkey hunting. Their

camo covering of Advantage, or Mossy Oak, Break-Up patterns, or dull non-reflective stock and metal finish, blend into any background and minimize the effects of making minor position and sighting adjustments for tracking suspicious toms. Vent rib barrels all have ivery front and steel mid beads for precise sighting on the bobbing head of a bearded gobbler. And all barrels are also fitted with dense-patterning, interchangeable Rem" Chokes to bracket the vital neck area.

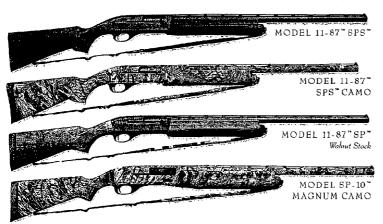


Versatile Conversion for Other Hunting Options

Because these shotguns are Remington repeaters, they bring another versatility bonus to their owners - interchangeable chokes and interchangeable barrels. On both 12- and 20gauge models, the simple substitution of a fully rifled Rem" Choke can quickly convert any one of them into an effective deer gun. Each one can also accommodate one of our specialized extra Deer barrels with sight options depending on the gauge. In another direction, the substitution of a longer Rem. Choke barrel can transform any one into a perfeetly compatible waterfowling gun. And the same camo covering or non-reflective finishes that are so well matched to turkey hunting provide equally effective concealment on a deer stand or in a waterfowl blind.

Model Tr. A. 32 A	★ 870" SPS-T"	11-87 SPS-T	★ 11-87 SPS-1*	★ 11007 LT-20 Synthetic	SP-10" Turkey
	Super Magnum?		Camo	Youth	Camo
LETTER BETTER BETTER	Camo .		100	Turkey Camo	21 1 1 1 1 E 3
Gauge	12 (3%")	12	-12	20 (Magnum)™	10
Mag. Capacity	3 (3¼") 4 (2¾" & 3")	4	3,200	4	
BBL Lengths/Order No.	23"/4968	21"/9674	21"/9664	21"/5379	23"/4827
Barrel Type	Vent Rib Rem™ Choke	Vent Rib Rem™ Choke	r Vent Rib Rem™ Choke	Vent Rib; Rem™ Choke (Full Only)	Vent Rib Rem™ Chake
Sights	Twin Bead	Twin Bead	Twin Bead	Twin Bead	Twin Bead
Metal Finish	Mossy Dak® Break-Up Camo	Matte Black Non-Reflect.	Mossy Oak® Break-Up Camo	Matte Black	Mossy Oak® Break-Up Camo
Overall Length	44%	4216**	42 6	40%"	44'6"
Length of Pull	14"	14"	14"	13"	14"
Drop (Comb)	18"	1%"	1965年2月	11/1"	温暖污 田 沙
Drop (Heel)	2.6	2 /5"	26	2'/,"	2%
Stock Material	Carno-Covered Synthetic	Black Synthetic	Carrio-Covered Synthetic	Camo-Covered Synthetic	Camô-Covered :
Stock Finish	Mossy Oak® Break-Up Camo	Matte Black	Mossy Qak® Break-Up Camo	RealTree® Advantage® Came	Mössy Oak® Break-Up Camo
Avg. Wt. (lbs.)	74 × 75	8	1841.77	61/4	10%
					1 M E 100





Today, it takes big payloads and strong guns to hunt waterfowl effectively. Remington offers you not one, but three long-proven models for the heaviest demands on shotgun performance in either camo or flat non-reflective finishes. The rugged low-maintenance Model 11-87"

handles any 23/4" or 3" 12-gauge shells you feed it. And the exceptionally versatile Model 870™ SPS™ Super Magnum™ gives you the added power and extended range of 31/2" 12-gauge magnum cartridges. See page 25 for Super Magmun design features.

SHOTGUN DIMENSIONS / AVERAGE WEIGHTS

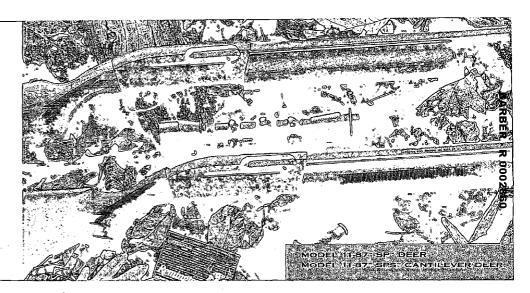
Model∉	SP-10™ Magnum	Magnum	k 870]" SPS" Super Magnum" «Camo	11-87" SPS"	11-87. SPS™ Camo	11-87™ SP™
Gauge	.10	10	12 (31/4")	12	12	12
Mag. Capacity	2	2	3 (3½") 4 (2½" & 3")	4	4	4
BBL Lengths/ Order No.	30*/4808 26*/4812	26"/4809	26"/4952	28"/5269 26"/5271	26"/9662	28"/9905 26"/9906
Barrel Type	Vent Rib Rem™ Choke	Vent Rib Rem™ Choke	Vent Rib Rem™ Choke	Vent Rib Rem™ Choke	Vent Rib Rem™ Choke	Vent Rib Rem™ Choke
Sights	Twin Bead	Twin Bead	Twin Bead	Twin Bead	Twin Bead	Twin Bead
Metal Finish	Matte Non-Reflective	Mossy Oak® Break-Up Camo	Mossy Oak® Break-Up Camo	Matte Non-Reflective	Mossy Oak® Break-Up Camo	Matte
Overall Length	51%" (30" BBL) 47'h" (26" BBL)	47%"	46" (26" BBL)	48¼" (28" BBL) 46" (26" BBL)	46"	48'A" (28" BBL) 46" (26" BBL)
Length of Pull	14"	14"	14"	14"	.14"	14"
Drop (Comb)	1%"	114"	11/4"	1%"	1'6"	1'4"
Drop (Heel)	2%"	21/6"	2'4"	2'ሐ"	21/6"	2'4"
Stock Material	American Walnut	Camo-Covered Wood	Camo-Covered Synthetic	Black Synthetic	Camo-Covered Synthetic	American Walnut
Stock Finish	Satin	Mossy Dak® Break-Up Camo	Mossy Oak® Break-Up Camo	Matte	Mossy Dak® Break-Up Camo	Satin
Avg. Wt. (lbs.)	11 (30" BBL) 10'4 (26" BBL)	10°/4	71/4	8¼ (28" BBL) 8¼ (26" BBL)	81/8	8¼ (28" BBL) 8¼ (26" BBL)

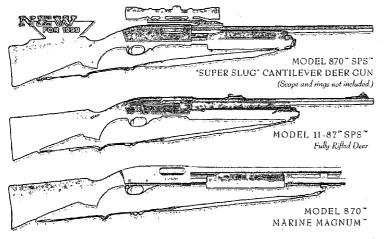
¹These Model SP-10" shotguns supplied with full and Mod Rem[®] Choke tubes.
Important Note: Critical components — including the barrel, bolt assembly and trigger plate assembly of the
Remington Model SP-10" and other manufacturers' 10-gauge shotguns — are not interchangeable.
Note: All Model 870" Super Magnums have 3½" chambers except Deer barrel which has 3" chamber. Super Magnums can shoot 2½", 3", and 3½" shells interchangeably.

SPECIAL PURPOSE

ACCURACY THAT LETS YOU TAKE AND MAKE THE SHOT

Remington®'s state-of-the-art Special Purpose Deer Guns take the ligadisep out of hunting deer with a strongen. Our deld certilever scope mounts now allow you to zero in your shoteun to know exactly where your stup will hit at any reasonable range. And when you combine our fully rilled bennels or rilled Remi^o Choices with our light-grouping Copper Solid® slugs, you can count on unbeatable accuracy.





Our Special Purpose Deer Guns are superbly equipped to help you convert venison on the hoof into steaks in the freezer. Options to meet your preferences include adjustable rifle sights, integral scope mounts, walnut or synthetic stocks, and a

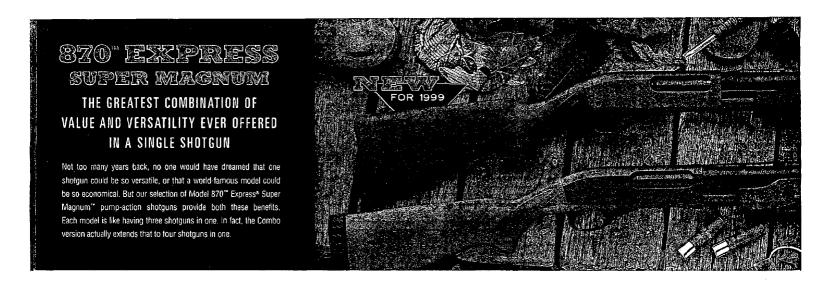
choice of our Model 11-87" autoloader or the new "Super Slug" Model 870" SPS™ with cantilever scope mounts. Its longer 23" length and stiffer barrel contour improves slug accuracy and tames recoil from heavy slug loads.

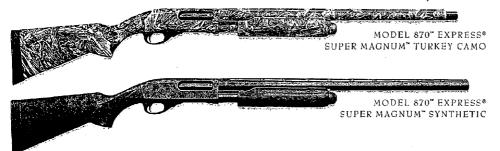
SHOTGUN DIMENSIONS / AVERAGE WEIGHTS

Model ,	ት 870" SPS"		11-87"	11-87"	870
	"Super Slug" Fully Rifled		SPS** Fully Rifled	SPS" Fully Rifled	Marine Magnum 1
	Cantilever		Cantilever	Deer Gun	
	Scope Mount :		Scope Mount Deer Gun		
Gauge	12	12	12	12	12
Mag. Capacity	4y(*******	4	4.5	. 4	6
BBL Lengths/Order No.	23*/4946	21"/9837	21"/9819	21"/9676	18"/5012
Barrel Type	Fully Rifled New Contour,	Rem™ Choke ² Deer	Fully Rifled.	Fully Rifled	Cylinder Choke
Sights	Cantilever wis	Rifle Sights	Cantilever Scope Mount	Rifle Sights	Single Bead
Metal Finish	Matte Black 3	Matte Black Non-Reflect	Måtte Black Non-Reflect	Matte Black Non-Reflect	Electroless Nickel-Plated
Overall Length	43 /ns" .	41'4"	41'6"	41%"	38%
Length of Pull	14%	14"	14%	14"	114" (×)
Drop (Comb)	· 176.25	1%"	14 40 30	1%"	11/4 2
Drop (Heel)	NO STATE	21/6"	1'4"	21/4"	21/5
Stock Material	Black Synthetic	American Walnut	Black- Synthetic	Black Synthetic	Black Synthetic
Stock Finish	Matte	Satin	Matte 🛴 🙀	Matte	Matte
Avg. wt. (lbs.)	18" (" (")	8	18%	8	7%.
Nata Madel 0779 chatavas u	ith 3" shombar baselle 3	W shalls			A May For 199

Note: Model 870" shotgurs with 3" chambers handle 24" shells.

"Will not accept Jaw enforcement accessories." A liftle-sighted Rem" Choke Decrishogum Rifed Choke tube and Improved Cylinder tube. Note: Model 11-87" Deer barrels are not pressure-compensating gas system, and will not function with target or light field loads.





An Exceptional Value

The big winner when you buy any of these shotguns is your budget. You get the proven action of a Model 870" — the most durable, best-selling shotgun in history, and still the world's most effective pump gun design. It costs you less because we didn't dress it up like a fancy wall-hanger. It's the toughest, most dependable, hard-working shotgun for hard-hunting owners. And the muted non-gloss finish or camo covering on these shotguns is exactly what you want for waterfowl, turkey or deer hunting.

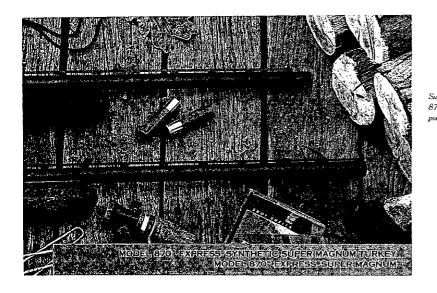
However, underneath the practical outer appearance of an Express® shotgun is the lifetime longevity and proven strength of a smooth-shucking Model 870." You get the same rugged receiver machined from a solid bar of steel, the same non-binding twin action bars, and the same strong lock-up. That legendary inherent strength is even more important in our 12-gauge, 31/2" Super Magnum" models.

And by designing an action that accommodates the big 31/2" shells without stretching the receiver, Express® Super Magnums" still have the clean classic lines, sure-handling betweenthe-hands balance, and smooth natural pointing qualities of all Remington® Model 870" pump shotguns. Super Magnum' Versatility

Start with the practical economy of our Model 870" Express® and add the exceptional versatility of a 12-gauge, 3½" Super Magnum™ action, and you have the unchallenged "best buy" of any shotgun currently produced. Consider that these shotguns can handle any

12-gauge ammunition made - from heavypayload 12-gauge, 31/2" magnum shells all the way down to light 2¾" field or clay target loads. And the special bolt design in these guns retains the same length of cycle stroke for all shells.

In standard Model 870" Express® Super Magnum" shotguns with 26" or 28" vent rib, Rem" Choke barrels, you can use the same shotgun for fast-flushing upland birds or darting mourning doves; larger, longer-range ringnecks and chukars; and still be able to chamber the heaviest charges



MODEL 870" SUPER MAGNUM" **DESIGN FEATURES**

Model 870" Super Magnums
uill function with 2¾", 3", and
3½" shells interchangeably

R - R 0002862 Superior design and inherent strength of Breakthrough bolt re-design keeps cycle stroke equal for all three sizes of 12-ga. shotshells 870" receiver easily accommodates the power and longer length of 31/2" shells Magazine length unchanged for

dimensions and crisp feel of all 12-ga. Model 870s

Super Magnum" receiver is same size as all 12-ga. 870" shotguns for similar balance

same balance point; capacity is three 3½", and four 2¾" or 3" shells

available for outer-fringe ducks and geese. All you need to do is change shells and, when appropriate, screw in a different Rem" Choke.

In the turkey models, you can tailor the loads you use for any kind of gobbler situation. But these versatile pump guns are perfect for other game as well. Their 23" vent rib barrels also provide lightning-fast handling and easier carrying for close-cover upland birds. Barrel and Choke Interchangeability

Unquestionably, the most versatile of any Model 870" Express® Super Magnum" shotguns is the two-barrel Combo version.

For deer hunting with slugs, you get a 20" fully rifled barrel with adjustable factory sights to provide maximum accuracy with modern sabot slugs. The second, 26" vent rib Rem" Choke barrel puts you in business for every other type of shotgunning you choose.

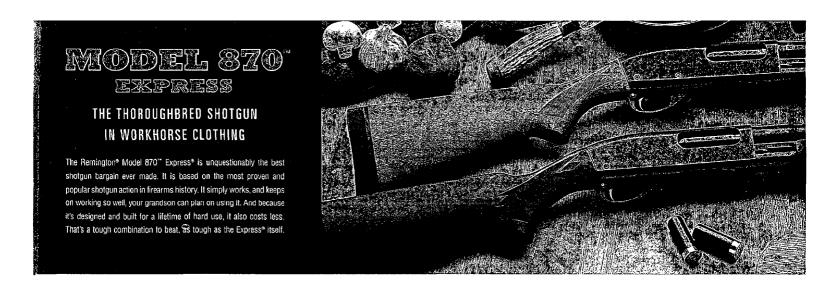
And don't forget to make use of the optional versatility of our Rem™ Choke system with any of these super-powerful shotguns Besides the convenience of changing choke constrictions for different ranges or shot sizes, you can convert any barrel to a deer barrel by interchanging our Rifled Rem " Choke.

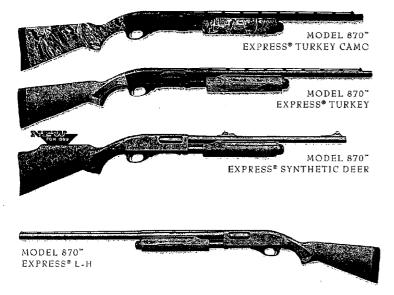


SHOTGUN DIMENSIONS / AVERAGE WEIGHTS

Model 3.2 3	★ 870 "	870-7-1	870 W	870	870
14 14 V	Super Magnum	Express/ SuperMagarin	Super Sales	Æxpress® «Super	Zuca.
	Synthetic	Turkey	Magnum"	-Magnum	Magnum
NAME OF TAXABLE PARTY.	Turkey & Brand	Camo	The state of the	1 11 11 11 11	Combo
Gauge	12 (3'/5")	12 (3¼")	12 (3%")	12 (31/4")	12 (3½")'
Mag. Capacity	3 (3'/s") 4 (2"/s" & 3")	3 (3%") 4 (2%" & 3")	3 (3¼") 4 (2¾" & 3")	3 (3½") 4 (2¼" & 3")	'3 (3%") 4 (2%" & 3")
BBL Lengths/ Order No.	23"/5106	23"/5104	28"/5100	26"/5102	26" (Vent Rib)/5114 20" (Deer)
Barrel Type	Vent Rib Rem Choke (Turkey Extra Full)	Vent Rib Rem™ Choke (Turkey Extra Full)	Vent Rib Rem™ Choke (Mod.)	Vent Rib Rem™ Choke (Mod.)	Mod. Rem Choke (Vent Rib) Fully Rifled (Deer)
Sights	Twin Bead	Twin Bead	Single Bead	Single Bead	Single Bead (Vent Rib (Rifle Sights (Deer)
Metal Finish	Matte Black Non-Reflect	RealTree® Advantage® Camo	Matte Black Non-Reflect	Matte Black Non-Reflect.	Matte Black Non-Reflect
Overall Length	44%*2	44%"2	48%	46"	46" (Vent Rib)
Length of Pull	14	14"	14"	14"	147
Drop (Comb)	1%" = 1	1'ሬ"	11/6"	11/4"	16 4000
Drop (Heel)	2 Å	2'%"	2'4"	21/4"	2%"
Stock Material	Black Synthetic	Synthetic	:Wood	Black Synthetic	Wood ***
Stock Finish	Matte	RealTree® Advantage® Camo	Satin	Matte	Satin
Avg. Wt. (lbs.)	7%	71/4	7%	71/4 .	74
12					1 41 5 4000

25





A wise old saying states, "There's a time and place for everything." Maybe the unknown author was a hunter, because, when it's time to go hunting, that's the place for a Model 870"

Express® -- America's pump gun.

This is a shotgun that was totally conceived for hunting hard hunting. Sure, there's a place for your glossy-stocked, brightly blued, scattergun beauties. But not in a sleetspattered duck blind, thorny-thick grouse cover, or the stony-steep slopes of chukar country. That's when you leave the elegant guns behind, and toss a Remington Express® pump gun into your pick-up. They both go with the territory.

There's a lot of ingenious practicality to any Model 870" Express.® These are definitely

"no frills" shotguns, without the extra embellishment of fancy finishes. That works for you in two ways. First, it cuts their cost, because when we climinate the expense of American

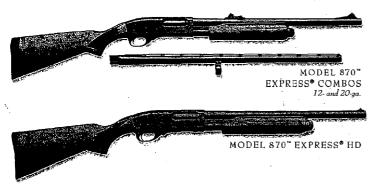
walnut and mirror-like polishing, we pass the savings back to you. Second, the finish on these shotguns is designed to deal with more appropriate factors — like wear and weather. And in the field it gives you the added benefit of reflecting nothing, except your good sense in owning such a shotgun.

While all of our Express® shotguns have the right outside dress for the occasion, they also have the right stuff inside to do the job with the same unmatched durability and functional reliability of the legendary Model 870" Wingmaster.® That's because beneath the



surface, the two are the same. They both have the same rugged receiver machined from a solid block of steel, the same smooth-functioning twin action bars, and the same strong lock-up of breech bolt lug into a massive barrel extension. So when you invest in the value of a Model 870" Express,® you're getting one of the world's finest shotguns at a world-class price.

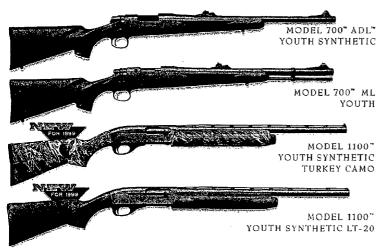
There are over 17 choices in the style and specifications of a Model 870™ Express.® Look at the charts. Whatever your hunting preferences, there's an Express® exactly tailored for you. In fact, it offers a variety of options as broad as those of any shotgun model made. Look for the one that matches your needs, 'expressly.'



Model	870" Express® (12-ga.)	870] Express® (20-ga.)	870™ Express® Synthetic	870™ Express® Turkey Camo	870° Express® Turkéy	870** Express® Synthetic Fully Rifled Deer Gun	870" Express® Deer
Gauge	12	20 ,	12	12	12	12	12
Mag. Capacity	4	4	4	4	4	4	4
BBL Lengths/ Order No.	28"/5568 26"/5569	28"/5583 26"/5582	28"/5587 26"/5589	21"/5089	21"/5573	20"/5097	20" I.C./5565 20" FR/5575
Barrel Type/ Order No.	Vent Rib Rem [™] Choke (Mod.)	Vent Rib Rem™ Choke (Mod.)	Vent Rib Rem™ Choke (Mod.)	Vent Rib Rem™ Choke (Extra Full)	Vent Rib Rem™-Choke (Extra Full)	Fully Rifled	Imp. Cyl. Choke/5565 Fully Rifled/5575
Sights	Single Bead	Single Bead	Single Bead	Twin Bead	Twin Bead	Rifle Sights	Rifle Sights
Metal Finish	Matte Black Non-Reflect	Matte Black Non-Reflect	Matte Black Non-Reflect	Matte Black Non-Reflect	Matte Black Non-Reflect	Matte Black Non-Reflect	Matte Black Non-Reflect.
Overall Length	48'/s" (28" BBL) 46'/s" (26" BBL)	48%" (28" BBL) 46%" (26" BBL)	48 h" (28" BBL) 46 h" (26" BBL)	42'h*	42'/	40' <i>\</i> 6"*	40'/3"
Length of Pull	14"	14"	14*	14"	14	14"	14
Drop (Comb)	118" 133 13	1'4"	11/4"	114"	1.6"	11/5"	11/4"
Drop (Heel)	26	2'6"	2'/-	21/1"	21/6"	1'4"	1'/4"
Stock Material	Wood	Wood	Black Synthetic	Camo- Covered Syn.	Wood	Black Synthetic	Wood
Stock Finish	Rat + 1	Flat	Matte:	RealTree® Advantage® Camo	Flat	Matte	Flat
Avg. wt. (lbs.)	7½ (28" BBL) 7¼ (26" BBL)	6'A (28" BBL) 6'A (26" BBL)	7¼ (28" BBL) 7¼ (26" BBL)	71/4	7%	7	7%
includes 1" exter	ided choke tube						★ New For 1999
Model C	870 Express	70 - Xpress 6mb0 12-gb)	870° Expresso = Combo		BYOP Document Youth	970 9 Express	8707. Express

Model	870 Express Left Hand	870 ⁻² Expresso Combo (12-cp)	870 Expresso Combo (20=104)	OZOP Editorio Homo Defense	E700 I Empresso Volta	970- 1500- 1000 1000-1	970- Expresso Youth DearGun
Gauge	12			12	120	Camol 20	20
Mag. Capacity	4 4 4		4 2 2	4	4.	4	4
BBL Lengths/ Order No.	28"/5577 =	28" (Vent Rib)/5571 26" (Vent Rib)/5578 20" (Imp. Cyl. Deer or Fully Rifled Deer)		18"/5549	.21"/5561	21"/5091	20*/5555
Barrel Type	Vent Rib Rem' Choke (Mod.)	Vent Rib Rem™ Choke (Mod.) I.C. Deer or Fully Rifled Deer	Vent Rib Rem™ Choke (Mod.) I.C. Deer or - Fully Rifled Deer	Cylinder Choke	Vent Rib Rem" Chake (Mod.)	Rem™ Choke	Fully Rifled
Sights	Single Bead	Single Bead (Vent Rib) Rifle Sights (Deer BBL)	Single Bead (Vent Rib) RRITIE Sights (Deer BBL)		Single Bead	Twin Bead	Rifle Sights
Metal Finish	Matte Black Non-Reflect	Matte Black Non-Reflect.	Matte Black	Matte Black Non-Reflect	Matte Black Non-Reflect		Matte Black
Overall Length	48%	48¼", 46½" (Vent Rib) 40½" (Deer 88L)	(48 / 46 / Nent Rib) (40 / Deer BBL)		40%		39%*
Length of Pull	14" 6	14"	14" 35" 35" 4-81	14"	113".44 14.	13" -	13"
Drop (Comb)	11% sales	1%"	115" a 19 m 5 a 1 a 1	11/4".	16 400	11%	16"
Drop (Heel)	24 4	2'h"	12h 2 1 1 1 1 1	21/4"	24.	21/4"	26
Stock Material	Wood	Wood	Wood #4	Black Synthetic	Wood 4		Wood A
Stock Finish	(Flat e	Flat	flat 200	Matte	Fair	RealTree® Advantage® Camo	Flat
Avg. Wt. (lbs.)	71, 200	7½ (Vent Bib) 7¼ (Deer BBL)	G'A (Vent Rib) G'A (Over BBI)	7% 3.7.5.7.	6	6	6





We call them "Youth" guns, and indeed they are, sized in stock length to fit younger shooters who haven't attained their full growth, but are ready for the field. One of the most frequent questions we get comes from parents who ask, "My youngster is ready to shoot, but what kind of gun should I get for him or her?" We have the answer - in fact, not just one but a variety of them, in

both rifles and shotguns. But their application is a lot broader than just young people. These guns are made for the smaller stature of women, or smaller adults who have looked for years for a gun that fits them.

We reshaped our standard stocks to a shorter, 13" length of pull, manufactured these on a regular production basis, and mated them with some of our best rifles and shotguns. You can buy them over the counter — with no premium in price and no custom alterations.

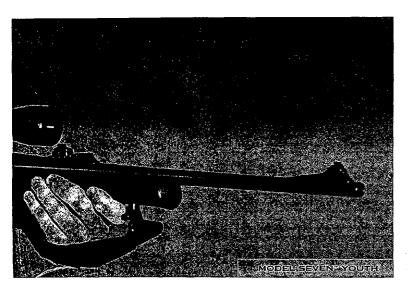
For virtually any kind of hunting or shooting, one of these guns is matched to the job. In centerfire rifles, for example, you have two choices. One is our legendary Model 700" in a short-action, synthetic-stock version — chambered for the all-purpose .243 Win. or the big-game .308 Win. The other is

our compact Model Seven bolt-action offered in a choice of the .243 Win., the light-recoiling .260 Remington, and the

> 7mm-08 Remington, described by some experts as "the best allaround whitetail deer cartridge in America." We haven't overlooked shorter-stature black powder shooters of all ages either. For them we offer the in-line, boltaction Model 700" ML Youth. Because good, between-the-hands

balance is essential to good handling qualities in any gun, we didn't stop with just a shorter stock. For every Youth Gun we make, we've balanced the shorter stock length on one end with a shorter barrel on the other end to keep them from becoming muzzle-heavy.

In Youth Shotguns, we've gone even further in variety. We offer a total of five different



specifications in two of the finest basic shotguns ever made — the autoloading Model 1100" and the pump-action Model 870," all in 20-gauge versions. Our two Model 1100™ Youth Guns are supplied with rugged synthetic stocks. There's a regular version with 23/4" chamber, and 21" vent rib, Rem" Choke barrel. For years, this light-recoiling, easy-handling autoloader has been the favorite choice of instructors for teaching clay target shooting to youngsters as well as small-stature beginners.

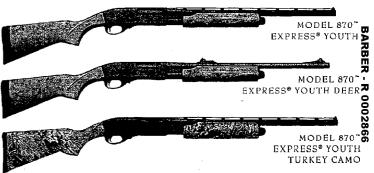
An alternate choice is the Model 1100™ Turkey Camo 20-gauge Magnum with 3" chamber. With stock and fore-end covered in RealTree® Advantage® camo, it's a comfortable-fitting, highly effective turkey gun. But, with its camo coating and Rem" Choke barrel, it also doubles as a truly excellent waterfowl gun.

For an outstanding combination of proven quality and moderate cost, nothing comes close to our pump-action Youth Shotguns. All three of them are part of our "Best Buy" Model 870" Express® group. (See previous pages on Express® shotguns.) They include a standard field version, a Turkey Model with camo-covered stock, and the Model 870" Express® Youth Deer Gun with a fully rifled, rifle-sighted barrel. And the Model 870[™] Express®

Youth and Turkey Camo have the added versatility of 3" chambers.

All these Youth Guns are the right choice for anyone that needs a better fit.

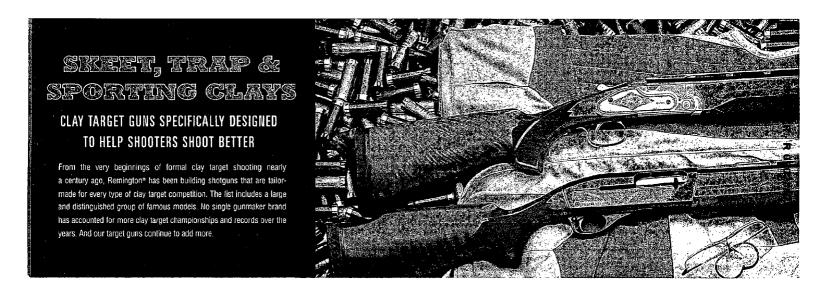


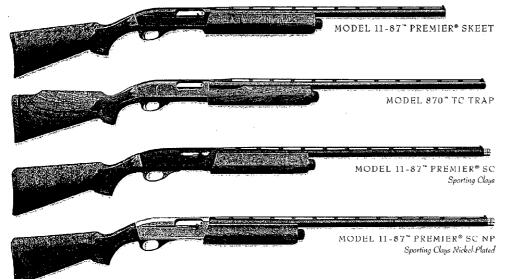


RIFLE DIMENSIONS / AVERAGE WEIGHTS

	* Action Barre Type Lengt	Overall h Length	Avg. Wt (Stock Stock BBL & BBL Shish BBL Shish BBL
Seven™ Youth	Short Action 4 18%"	364	6¼	American Satin Carbon Polished Walnut Steel Blue
700™ ADL™ Synthetic	outh Short Action 20"	39%	63/4	Black Matte Carbon Matte
700™ ML Youth	= 21"	3814	71/4	Synthetic Steel. Blue

Modél y Calleria	COLUMN TO SERVICE CONTRACTOR CONT	* 1100" L1-20 * Youth	870" Express	870"	8702 Mai 7
AND THE CO.		Synthetic Turkey Camo			
Gauge,	20 1	20 (Magnum)*	20	20	20
Mag. Capacity	4	4	4	4	4
BBL Lengths/Order No.	:217/5367	21"/5379	21 /5091	21"/5561	20"/5555
Barrel Type	Vent Rib Rem [®] Choke (Mod.)	Vent Rib Rem™ Choke (Full)	Vent Rib Rem™ Choke (Full)	Vent Rib Rem™ Choke [Mod.]	Fully Rifled
Sights	Single Bead	Twin Bead	Twin Bead	Single Bead	Rifle Sights
Metal Finish	Matte Black	Matte Black Non-Reflect	Matte Black Non-Reflect	Matte Black Non-Reflect	Matte Black Non-Reflect
Overall Length	40%"/	40%"	40'4	40%"	39%
Length of Pull	13" 0.9 (12)	13"	13"	13" -	[13"
Drap (Camb)	[18]、金额基层	11/4"	11477 6 72	11/4"	14.
Drop (Heel)	24"	2'/4"	21/6"	2'6"	24
Stock Material	Black Synthetic	Camo-Covered Synthetic	Carno+Covered	Wood	Wood
Stock Finish	Matte	RealTree® Advantage® Camo	RealTree® Advantage® Camo	Flat	Hat
Avg. Wt. (lbs.)	66	6%	(6 , S	6	6
* Model 1100" 3" Magnum is so	t up to handle heavy 20-	ga. shotshells including :	3", and will not funct	ion	★ New For 199





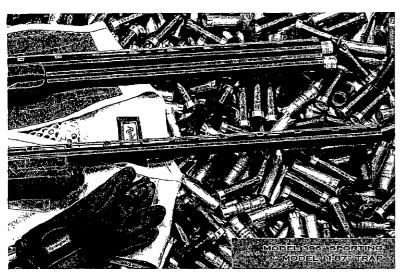
When competitive trapshooting started, Remington produced the first shotguns specifically made for the sport. Competitive skeet shooting began virtually in our backyard, at our own gun club. And those early squads were filled with Remington skeet guns.



No company has a richer tradition in these sports, or has built more successful and widely acclaimed shotguns for them.

In fact, if the record hooks also listed gun models, they would be filled with the name Remington. More competitive skeet records have been set with the light-recoiling, flinch-preventing Remington Model 1100" autoloader than any other shotgun. You'll still find it showing up in championship shoot-offs today, if it hasn't been replaced by its successor, the Model 11-87."

Serious clay target shooters learn fast from experience. And that experience is unquestionably behind the trend back to autoloading actions in 12-gauge clay target competition -



in Trap, Skeet and Sporting Clays. These highvolume shooting sports require lots of practice and often hundreds of targets in a day's competition. The comfortable, recoil-reducing action of a Model 11-87" cuts down fatigue and helps prevent the onset of 12-gauge flinching. And a Model 11-87" adds other benefits functional reliability for doubles shooting, and the superb balance and pointing qualities just not found in other autoloading models. Compare it to others. You'll see what we mean.

Our Model 396™ Sporting is the strongest and most advanced over/under action made, with a stock designed to lessen felt recoil, and the two-barrel flexibility of our Rem™ Choke system. Small-bore sporting clays shooters can now return to our famous Model 1100™ autoloader in both 20- and 28-gauge versions. And of course, the basic, "bread and butter" trap gun of all time is available in the classic Model 870" TC pump-action trap gun.



SHOTGUN DIMENSIONS / AVERAGE WEIGHTS

Model	Sporting	11-87™ Premier® SC Autoloader¹	11-87" Premier® SC NP Autoloader!	1100™ ↓ Sporting - 20 Autoloader
Gauge	12	12	12	20
Mag. Capacity		3	3	4
BBL Lengths/ Order No.	30"/4818 28"/4819	28"/5277	30"/5263 28"/5259	28"/5399
Barrel Type	Vent Rib, Ported O/U Rem™ Choke	Vent Rib Rem™ Choke¹	Vent Rib Rem™ Choke ¹ .	Vent Rib Rem™ Choke Twin Bead
Sights	Twin Bead	Twin Bead	Twin Bead	Twin Bead
Metal Finish	High Polish Blued	High Polish Blued	High Polish Blued (Nickel-Plated Receiver)	High Polish Blued
Overall Length	47'/4"* (30" BBL) 1 45'/4"* (28" BBL)	49'4"*	51%"" (30" BBL) 49%"" (28" BBL)	4814""
Length of Pull	143/hc	143/16"	141/6"	14"
Drop (Comb)	1%"	1'ራ"	11/4"	116"
Drop (Heel)	21/4"	2'4"	21/	21/4"
Stock Material	Semi-Fancy American Walnut	Semi-Fancy American Walnut	Semi-Fancy American Walnut	Semi-Fancy American Walnut
Stock Finish	Satin	Satin	Satin	Gloss
Avg. Wt. (lbs.)	7¼ (30" BBL) 7¼ (28" BBL)	73%	7¾ (30" BBL) 7¾ (28" BBL)	7 .

* Includes extended choke tube

SHOTGUN DIMENSIONS / AVERAGE WEIGHTS

Gauge	28	12	12	20
Mag. Capacity	4	4	.4	4
BBL Lengths/Order No.	25"/5407	30"/9888	30"/6979	26"/9882
Barrel Type	Vent Rib Remi ⁿ Choke	Vent Rib Rem™ Choke²	Vent Rib Rem™ Choke ²	Vent Rib Rem™ Choke
Sights	Twin Bead 🐪 🚜	Twin Bead	Twin Bead	Twin Bead
Metal Finish	High Polish Blued	High Polish Blued	High Polish	High Polish Blued
Overall Length	45%*****	51"	51"	46"
Length of Pull	14	14³%"	14%	14"
Drop (Comb)	11/8"	13/4"	13%" 1	1'/6"
Drop (Heel)	12 /4" (支援等) つく	174"	We there	2'//"
Stock Material	Semi-Fancy (1997) American Walnut	Semi-Fancy American Walnut	Semi-Fancy	Semi-Fancy American Walnut
Stock Finish	Gloss A	Satin	Satin 😼 🔭	Satin
Avg. Wt. (los.)	64.2	81/4	18 * * * 1	814

Model 398* Sporting supplied with Sketcl. Imp. Qi, Light Modified, and Modified extended Rem" Choke tubes. I Model 11-87" Target barrels are not equipped with a pressure-compensating gas system and are intended for use with target ammunition only (3½ dr. powder, 1½ oz. lead shot — max.). Use of heavier field loads will damage the gur, unless a Model 11-87" Premier® Field Grade extra barrel is installed. All Reministen Rem" Choke Trap barrels are overload to the supplied with special Rem" Chokes that will not perform satisfactory in standard-bore barrels. Model 11-87" barrels are not interchangeable with Model 1100" barrels. See pages 32-33 for information on extra barrels.

RIFLE SPECIFICATIONS

MODEL 700" CENTERFIRE RIFLES

MODEL .co			1 1/3 1	Edwin of	or desirable de	Same S	St. Skinds	and the second	- 1910 ALMAN	Service Service	Piper Mai		W 100 M		G COMO COLUMN	BONDA COLOR	WANT DEED	22446	Market Com	
					- HG	100	ary end				KITIE IV OCIE				100		/LS (Varmir	VS (Varmint Synt	idio 19
	Magazine Capacity	Barrel Length	Twist—R-H, 1 Turn In:		Min. Rifle LSS	Sendero !!	Sendero	Sendero 3	BDL Stainless	BDL Stainless Synthetic DM-B	BDL Stainl	وکا	ATTE:	ADL, SA	BDI	and of the	Laminated Stock	Composite	Carbon A	Stainles
.17 Rem.	5	24"	9"	Programmes	-	197381771888	25.20 ft 27.7 (refets)		es de l'autraine de la contraction de	an Parish and Control of	**** I *****	——————————————————————————————————————	NE SECOND	_	6037				<u> </u>	- 경
.220 Swift	4	26"	14"												.0037					6205 (PITT
.222 Rem.		24*	14												6023					
.22-250 Rem.	4	24"	14"											7512★	6025					
.22-230 NCM.	4	26"	14"				- -							7512 A	- 0025		7489	6301★		9743 6207 (10)
.223 Rem.	- 5	24"	12"				 -							7514	6027		7405	- 0307 X	7.540-E.	
.223 NCIII.	5	26"	12"											7514	- 5027		7491	6303★	7549-L	9745
.243 Win.	4	20"	9%"											7518 (Y)			7491	0303 A	7343-1	- 3/7-3 N
.243 9941.	4	22"	9%"								 -			7474	6029	6119	— <u> </u>			
	4	26"	3,4,				 -							74/4	5029	Pila	7495			
6mm Rem.	4	26"	9%			— <u> </u>								_=	_ _		7493		 -	
.25-06 Rem.		22"	10"	5849													7493			
.25-06 Kem.	4	24"					_=_													
	4	26"	10*			- 0075		-	6251						6031					
aco D	4		10"			9675	6199	6321★												
.260 Rem.	4	22"	9"	5845	6279★															
	4	24"	9"						6271				-				-			
	4	26"	9"		-												7487			
.270 Win.	4	22"	10"	5851	6281★							-	5771	7476	6033-R 5811-L	6123				
	4	24"	10"						6253		9709	6293-L								
	4	26"	10"			9677								=_						
.280 Rem.	4	22"	9%"	5857									-			6125				
	4	24"	9¼"						6255				_							
7mm-08 Rem.	4	22"	3.Y.	5855	6285★								_			6127				
	4	26"	9%"													_	7497			
7mm Rem. Mag.	3	24"	91/4"						6263	7537	9692	5933-R 6297-L	5777	7480	6039-R 5815-L	6133-R 6991-L				
	3	26"	9%"			9679	7506								-					_
7mm STW	3	24"	9"	_						7544										
	3	26"	9.4.6				7502	6325★												
.30-06	4	22"	10"	5859	6287★								5773	7478	6035-R 5813-L	6129-R 6989-L	<u> </u>			
	4	24"	10"						6259	-	9717	6295-L	_							
.308 Win.	4	20"	10"		-									7523 (Y)						
	4	22"	10"	-						-			5775	7516			_	-		
	4	24"	10"					-	6261		-		-	_						
	4	26"	12"	-							_						7499	6307★	7551-L	6209 (P)
.300 Win. Mag.	3	24"	10"			~-		-	6265	7539	9694	5935-R 6299-L	_	7482	6041	6137				
	3	26"	10"			9681	7508	6327★				_	-		_	_		_		
.300 Wby. Mag.	3	24"	12"						6267											
	3	26"	12"			-	7504			-	-	_	-					~		
.300 Rem. Ultra Mag.	. 3	26"	10"	_			6010★					5971-R★ 5973-L★		_	6096★	-		_		
.338 Win. Mag.	3	24"	10"						-		9696				6043		-			
375 H&H Mag.	3	24"	12"		_			_ =	_		9728						-			
Stock Dimensions: L	ength of	Pull		13%"	13%*	13%"	13%	13%"	13%"	13%	131/4"	133%*	133/4"	131/4"	13%"	13%"	131%"	131/4"	13%"	133%"
Drop at Comb (from cen	terline o	f bore)	3/4"	₩"	÷4"	١,٧,	5/a"	И"	' <i>k</i> "	1/2"	и.	1/5"	V,"	1/2"	1/2"	15/16"	s/s*	3/6"	34"
Drop at Heel (from cen	terline of	bore)	3/, "	3/6 11	5/3"	5h"	%"	34"	3/4"	3Å"	1º#"	1%"	3/4"	1º/4"	13/4"	13/4"	54"	5/1"	·//"
Urop at Heel [from cen	terline of	borej	% "		*/a	*h"	*/6"		' '		1.4.	1%	**	1.%.	1%"	"he"			*4"

R = Right-hand, L = Lett-hand, P = Factory porting installed. P/O = Factory porting version available. Y = Youth. Youth model of ADL** Syn. has 1* shorter length of pull. All Model 700* and Model Seven* rifles come with sling swivel studs. The BDL**, BDL** Syn. has 1* shorter length of pull. All Model 700* and Model Seven* rifles come with sling swivel studs. The BDL**, BDL** Syn. has 1* shorter length of pull. All Model 700* and Model Seven* rifles come with sling swivel studs. The BDL** Stainless Synthetic (except .375 H&H Mag.), LSS, Mountain Rifles, Classic, Sendero* and Varmint guns have clean barrels. All Remington centerflie rifles are drilled and tapped for scope mounts. All model numbers listed are right-hand action unless otherwise noted.

NOTE: Model Seven® Mannlicher and Model Seven® KS versions are available from the Remington Custom Shop through your local dealer.

GENUINE REMINGTON® FACTORY EXTRA SHOTGUN BARRELS

Length & Choke	12-ga.	. 20~ga. ``
Field Grade, Vent Rib, Wingmaster®		
30" Rem™ Chake, Light Contour	6215	-
30" Rem™ Choke	4576	_
28" Rem™ Choke, Light Contour	6217	-
28" Rem™ Choke	4580	4606
26" Rem™ Choke, Light Contour	6219	-
26" Rem™ Choke	4582	4608
Deer Barrel, Super Slug Cantilever Scope	Mount, New Co	intour
23" Fully Rifled	4551	-
Deer Barrel, Cantilever Scope Mount, Win	ngmaster®	
20" Fully Rifled	4557	_
Deer Barrel, Rifle Sights		
20" Rem™ Choke²	4545	_
20" Rem™ Choke (L-H)2	4547	_
20" Fully Rifled	4558	
20" Imp. Cyl.	_	4578
SP™ Deer Barrel, Cantilever Scope Mount		
20" Fully Rifled	6229	_
20" Rem™ Choke"	6227	· -
SP ^{III} Deer, Rifle Sights		
20" Rem™ Choke ²	4549	_
Express® Deer, Rifle Sights (20"), Imp. Cyl	. 4622	_
Express® Deer, Fully Rifled, Rifle Sights (2	0")3 4611	4609
SP™, Vent Rib		
30" Rem" Choke	4590	_
28" Rem™ Choke	6225	_
26" Rem™ Choke	4592	_
Trap (2¾" chamber), 30" Rem™ Choke	4614	
Skeet (2'4" chamber), 26" Rem'* Choke	4612	

Middel 870" extra barrels with 3" chambers used on Super Magnum" and Magnum receivers will handle both 2½" and 3" shells only. Use only 2½" shells when these barrels are used on non-Magnum receivers. "20-gauge 870" Lightweight barrels will not fit 20-gauge standard 870" gans. "Cantilever Rem" Choke Deer barrels supplied with Imp. CyL and Extended Rifled Choke tubes. 2 Rifle-sighted Rem" Choke Deer barrels supplied with Rifled and Imp. CyL. Choke use 2 Express 290-a Lifly Rifled Der barrels has 2½" chambers will fit both Magnum and 2½" receivers.

Model 870" extra barrels with 2½" chambers will fit both Magnum and 2½" receivers. Use only 2%" shells in these barrels.

MODEL SP-10" MAGNUM EXTRA BARRELS - 31/2" CHAMBER

Туре	Length & Choke	00-18-10-ga
SP™ Magnum, Vent Rib	30" Rem™ Choke	7594
SP™ Magnum, Vent Rib	26" Rem™ Choke	7598

REM® CHOKE TARGET BARRELS

Rem® Choke Target barrels have Trap Full, Extra Full and Super Full, or Skeet and
Improved Skeet, plus wranch. All Remington Rem® Choke Trap barrels are overbored.
These barrels are supplied with special Rem® Chokes that will not perform satisfactorily
in standard bare pariels.

PLEASE NOTE THE FOLLOWING AMMUNITION RECOMMENDATIONS FOR USE WITH THE MODEL 1100" STEEL SHOT BARREL

When used with Model 1100" Magnum shotguns:
- Use 2% magnum or 3" magnum steel shotshells
- Use 2% magnum or 3" magnum lead shotshells.

When used with Model 1100" non-Magnum shotguns:

- Use 2% magnum or 3' magnum steel shotshells.

- Use 2% magnum lead shotshells non luse 3' magnum lead shotshells in non-Magnum Model 1100" shotguns, as this will cause extra wear and decrease the life of the gun.

Length & Choke	12-ga.	20-ga.
Deer Barrel', Cantilever Scope Mount		
21" Fully Rifled	9615	-
Deer Barrel', Rifle Sights		
21" Fully Rifled	9606	★ 9563³
21" Rem™ Chake²	9623	-
21" Rem™ Choke (L-H) ²	9625	_
SP™ Deer Barrel, Cantilever Scope Mount		
21" Fully Rifled	4645	_
21" Rem™ Choke¹	4647	
SP ^{re} Deer Barrel, Rifle Sights		
21" Rem™ Choke ²	9627	_
21" Fully Rifled	9609	_
SP" Magnum, Vent Rib		
30" Rem™ Choke	4638	_
28" Rem' Choke	9611	_
26" Rem" Chake	4640	
Premier®, Vent Rib		
30" Rem™ Choke, Light Contour	9600	- ·
30" Rem™ Choke	4642	
28" Rem™ Choke, Light Contour	9602	_
28" Rem™ Choke	4644	_
26" Rem™ Chake, Light Contour	9604	-
26" Rem™ Choke	4646	_

MODEL 11-87" EXTRA BARRELS - 3" CHAMBERS

Premier® Target Barrels (2% chamber only - see Rem® Choke target B3L note at left, below)
26" Rem® Choke Skeet 4624
30" Rem® Choke Trap 4626 — ¹ Cantilever Rem™ Choke Deer barrets supplied with Imp. Cyl. and Extended Rifled Choke tubes.
² Rifle-sighted Rem™ Choke Deer barrels supplied with Rifled and Imp. Cyl. Choke tubes. 3 2%" chamber

Model 11-87" Deer barrels are not equipped with a pressure-compensating gas system, and will not function with target or fight field loads.

and win not function with rarget or right rich beaus. Fitting Standard Barnels on Light Contour Shotguns — The fore-ends on our Light Contour Model 11-87" shotguns are shaped to follow the curve of the slimmer-profiled LC barnel, which means that a standard Vert Rib or Deer barnel earned be fitted to your qui unlies you do one o' two things; have your LG fore-end wood append up by a competent guasmith or stockmaker; or purchase a standard profile fore-end from our Arms

Field Grade, Cantilever Scope Mount		:::\20-ga."LT-2
21" Fully Rifled	6595	_
Field Grade, Deer, Rifle Sights	0570	
21" Fully Rifled	9570	_
21" Rem™ Choke ²	9565	-
21" Rem™ Choke (L-H) ^a	9567	_
21" lmp. Cyl.	_	4438
SP™ Deer, Rifle Sights		
21" Rem Choke	9571	_
Steel Shot Barrel, 12-gauge (see ammunitie	on note at left)	
30" Rem™ Chake	9505	_
26" Rem™ Choke	9509	_
Field Grade, Vent Rib		
30" Rem¹" Chake	4488	_
28" Rem™ Choke	4464	4484
26" Rem™ Choke	4466	4486
	1700	T100
Trap, Vent Rib (see note at left)		*.
30" Rem™ Choke	4492	
Class Mark Dile (
Skeet, Vent Rib (see note at left)		

NOTE: LT-20, 20-gauge Lightweight barrels (4400 Series) will not fit pre-1977 20-gauge Lightweight or standard 20-gauge Model 1100th shotguns (Refer to parts list for pre-1977 barrels) 1 Cantilever Remth Choke Deer barrels supplied with Imp. Cyl. and new Extended Rifled

² Rifle-sighted Rem™ Choke Deer barrets supplied with Rifled and Imp. Cyl. Choke tubes.

MODEL 7400"

Calibers	Twist – R-H, 1 Turn In	Walnut High-Gloss	Walnut Satin	Black Synthetic	7
.243 Winchester	9%"	_	9755	9793	_
.270 Winchester	10"	9759	9757	9794	_
.280 Remington	9%"		9761	9795	
.30-06 Carbine	10"		9769	9783	_
.30-06	10"	9765	9763	9796	Ĵ
.308 Winchester	10"	_	9767	9797	7
MODEL 76	00"				7
.243 Winchester	9%"	_	4653	5143	7
.270 Winchester	10"	4667	4655	5145	_
.280 Remington	9%"	_	4663	5147	7
.30-06 Carbine	10"	_	4661	5153	2
.30-06	10"	4671	4657	5149	2
.308 Winchester	10*	_	4659	5151	Ņ
Magazine capacity f	or all calibers is 4.				9

MODEL SEVEN"

Calibers 195 39.5005	Twist = R	H. Z. Seven 7.	"Seven" S	S Seven" Youth
.223 Remington	12"	4720	4745	
.243 Winchester	9%"	4782	4739	4774
.260 Remington	9"	4726	4751	4785
7mm-08 Remington	91/4"	4786	4741	4778
.308 Winchester	10"	4788	4743	

Magazine capacity in .223 Rem. is 5, all others 4.

MODEL 700" ML/MLS IN-LINE MUZZLELOADING RIFLES

		54 Cal.
ML	7572	_
Ml. Youth	7574	_
ML Camo	7586	_
MLS (Stainless BBL)	7580	7582
MLS Camo (Stainless BBL)	7588	
Twist - R-H, 1 Turn In	28"	28"

Model 700" muzzleloaders are supplied with cleaning tube, combo breech plug and nipple wrench, ramrod handle, ramrod extension, weather shroud, allen wrench, and patch jag.

MODEL XP-100R" LONG-RANGE PISTOL

Model Talk of Talk Tipe	and the	copacit		SAME STATE OF THE SAME	
.22-250 Remington	. 4		5383	14"	
.223 Remington	5	· .	5385	12"	
.260 Remington	4	- 1	5387	9"	
.35 Remington	- 4	.,	5389	16"	

LIMITED EDITION 1999 MODEL 700° CLASSIC (Straight Comb, Short Action, 24" BBL, No Sights)

Model 300	Mag. Capacit	y Order No	o. Twist ≒3R≟H, (13Turn lo	灘
★ .17 Remington	.5	5871	9"	_

REM" CHOKES

For a full listing of genuine factory Rem™ Chokes, see chart in Accessories Section, page 66.

NEW! EXCLUSIVE REMINGTON TWO-YEAR WARRANTY

We are backing our commitment to quality with the industry's first Two-Year limited warranty against defects in material and workmanship. If it's a Remington, you can count on it.

* New For 1999

IPRIEMMER

RHFLE AMMURITIOR

REMINGTON MAKES A CASE FOR NEW LEVELS OF VELOCITY, FLAT TRAJECTORY AND GAME-DROPPING ENERGY



The new .300 Remington Ultra Mag is a completely new concept in centerfire magnum cartridge case design - one that creates new and higher performance levels of range, power and accuracy for centerfire rifle ammunition. Most significantly, we've done this with cartridge dimensions that fit our standard Model 700" Magnum actions.

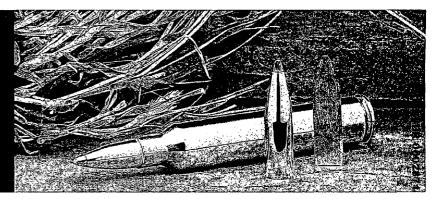
How? Basically, we did it by increasing the internal case capacity of the cartridge. The new .300 Remington Ultra Mag is a non-belted magnum, headspacing on a sharp, 30-degree, fully supportive shoulder. Thus, there's no need for the case body to be more narrow than the belt, reducing its overall capacity. That increased powder

capacity generates higher velocity, greater energy and flatter trajectory. The .300 Remington Ultra Mag has 13% more case capacity than the

.300 Weatherby Mag. and 20% more capacity than the .300 Win. Mag. Utilizing the same bullet weight, it has 6% more muzzle velocity and 10% more muzzle energy than the .300 Weatherby Mag., and 20% more muzzle energy than the .300 Win. Mag.

Two additional benefits from a cartridge that headspaces on the shoulder are improved accuracy from a bullet that is more precisely aligned with the bore, and longer case life for reloading.

For reliable performance across a broad range of velocities, we have loaded the .300 Remington Ultra Mag with the deep-penetrating, reliably expanding Nosler® Partition® bullet.





With exceptional flat shooting capabilities and remarkably high energy retention at extended ranges, the new 300 Remington Ultra Mag. is ideal for the extreme and varied demands of hunting large western, Alaskan and idian game such as moose, elk, bear, caribou and bighorn sheep.









etration performance over wide range of velocities

.300 REMINGTON ULTRA MAG BALLISTICS COMPARISON

Cartridge	Muzzle	100 Yds	Energy in ft- 200 Yds	lbs. 300 Yds.	400 Yds.	500 Yds
.300 Rem. Ultra Mag., 180-gr. Partition®	4352	3802	3313	2878	2490	2144*
.300 Win. Mag., 180-gr. PSP	3501	2900	2578	2196	1859	1565
.300 Weatherby Mag., 180-gr. PSP	3890	3284	275B	2301	1905	1565
Cartridge 2	Muzzle 33	. 100 Yds. 4	Velocity (ft/s	tc) 300 Yds	400 Yds.	500 Yds
.300 Rem. Ultra Mag., 180-gr. Partition	3300	3084	2879	2684	2496	2316*
.300 Win, Mag., 180-gr. PSP	2960	2745	2540	2345	2160	1980
.300 Weatherby Mag., 180-gr. PSP	3120 .	2865	2625	2400	2185	1979

Cartridge	100 Yds	Trajectory Co 200 Yds	mparison in Inches 250 Yds.	@250 Yard Zero 300 Yds.	400 Yds.	500 Yds
.300 Rem. Ultra Mag., 180-gr. Partition	1.9	1.7	zero	-2.8	-12.1	-26.9"
.300 Win. Mag., 180-gr. PSP	1.9	1.9	zero	~3.4	-15.0	-34.4
.300 Weatherby Mag., 180-gr. PSP	2.4	2.0	zero	-3.4	-14.9	-33.6
*Coop 2C inch howel						

RIFLE AMMURITION

THE MOST VERSATILE COMBINATION OF TOUGHNESS, TRAJECTORY AND ACCURACY



When bullet toughness is the major objective in your choice of centerfire rifle ammunition, you can't find a better answer than

Remington's new Premier® Partition®

rifle ammo. This new line is loaded throughout with a selection of highly regarded Nosler® Partition® bullets. The original dual-core Nosler® design established a new standard for gameanchoring effectiveness and reliability more than 50 years ago, and continues to maintain that standard today.

The Premier® Partition® bullet construction provides a near-perfect balance of expansion and penetration on all game, at all ranges. Its specially tapered jacket, thin near the tip and progressively thickening toward the mid section, starts

instant expansion on impact, but controls the expansion as the bullet drives deeper. The mushrooming

> front section is supported by the jacket's integral, dual-core cross member. That same mid-barrier maintains the complete integrity of the rear core, preserving 50% or more of original bullet weight. For hunters,

this provides effective expansion and deep penetration at the lower velocities of long shots, while preventing over-expansion or bullet disintegration at the high velocities of short-range shots.

PREMIER® PARTITION®

The high ballistic coefficients and uniform concentricity of these bullets deliver outstanding accuracy and flat trajectory. Overall, the new line of Remington® Premier® Partition® ammunition is the most versatile, all-situations ammunition line ever developed. Offered with effective bullet weights in seven outstanding big game calibers, this new Premier® line raises the performance of standard calibers a notch higher, while preserving bullet integrity with the high energy levels of magnum calibers.



osed lead tip for

Progressively thickening tapered jacket for controlled expansion

. The integral partition upports the mushrooming e above and preserves the integrity of the rear half original weight Lead alloy dual-core ing above and total the integral jacks

Special crimp at iacket base locks in the rear core to resist firing









Partition® bullets mushroom completely while providing high weight retention and deep penetration

PREMIER® PARTITION®

.260 Remington	125	Nosler® Partition
.270 Win.	150 %	Nosler Partition
7mm Remington Mag.	160	Nosler Partition
.30-60 Springfield	180,51	Nosler Partition
308 Win.	180 🖓	Nosler Partition
.300 Win. Mag.	180	Nosler Partition
.338 Win. Mag.	[210]	Nosler Partition
		* New For 199

REFLE AMMUNITION

PERFECTLY MATCHED PREMIER PERFORMANCE WHATEVER THE NAME OF THE GAME



Careful handloading with the highestquality components might equal the performance you get from our families of Premier® Centerfire Rifle Ammunition. But it won't surpass it. That's because we've done the job for you, with qualitycontrolled manufacturing consistency and uniformity of loading that every hunter needs and expects.

The benefit to you is that you can define the special requirements for the game and the distance you'll be shooting. Take a look at our Premier® families, and you'll find the perfect match in terms of

caliber, bullet style and weight, desired trajectory and needed accuracy. Leave the work to us. We'll leave the shooting to you.

What you get is a combination of quality brass (nickel-plated for Safari Grade) long regarded as the best in the industry, consistent-performing primer ignition, and top-quality powders carefully chosen for case size, bullet weight and uniform velocity. Then we top this with a selection of the finest, state-of-the-art bullets

available. You choose the game We've already loaded the perfect Premier® ammunition round for it.





PREMIER® SAFARI GRADE

Remington® Premier® Safari Grade centerfire ammunition is virtually custom-made for situations where there can be no compromise in ammunition quality, reliability or performance. The key element in Safari Grade ammunition

is the exclusive use of Swift A-Frame'" dual-core bullets. Basically, Swift bullets do everything a hunter could possibly require under the most challenging conditions. They expand reliably even at long-range decreased velocity, but don't over-expand, even at short-range high velocities.

Bullet integrity is 100%, with no break-up, creating 95 to 100% weight retention and reliable deep penetration even with 2x expansion.





construction and proprietary bonding process produces extremely uniform, ntrolled expansion to 2x caliber

PREMIER® SAFARI GRADE

	Caliber	Bullet (grs.)	Bullet Type
	.270 Win.	.140	Swift A-Frame™ PSF
	7mm STW	.140	Swift A-Frame PSP
	7mm Remington Mag.	160	Swift A-Frame PSP
	.30-06 Sprgfld.	180	Swift A-Frame PSP
	.300 Win. Mag.	200	Swift A-Frame PSP
	.300 Wby. Mag.	200	Swift A-Frame PSP
	8mm Remington Mag.	200	Swift A-Frame PSP
	.338 Win. Mag.	225	Swift A-Frame PSP
	.375 H&H Mag.	300	Swift A-Frame PSP
*	.416 Remington Mag.	400	Swift A-Frame PSP
	.458 Win. Mag.	450	Swift A-Frame PSP
			* New For 1999

Progressivel a uniform and predictable dependable on-game

> des momentum for tough game



Pure lead core is bonded to pure copper jacket with proprietary process

Swift A-Frame" cross-member stops expansion at optimum diameter of 2x caliber





Benefits worthy of the Remington name.

- No Annual Fee
- 5.9% Fixed Introductory Annual Percentage Rate (APR); for cash advance checks and balance transfers
- Credit line increase decisions in 30 minutes or less

Earn rebates on the things you need to enjoy Remington Country. **

- · The first time you use your card, you'll receive a Rémington Bandit 4 Blade Camp Knife valued at \$19.99
- **Additional Remington Rebate** Certificates every time you accumulate \$1,000 in new purchases
- Up to \$150 a year in rebates on Remington firearms, ammunition, knifes, gun care products-even Stren® fishing products



FOLLOWING IN A TRADITION OF OUTDOOR PERFORMANCE— THE REMINGTON VISA CREDIT CARD.

APPLY TODAY	'! The Remington [®] Visa Credit Card						
Print your name as you wou	ld like it to appear on card. Please print clearly in black or blue ink.						
Address							
City	State ZIP						
Social Security #	- Birth date / /						
Mother's maiden name							
Monthly housing payment 5	· · · · · · · · · · · · · · · · · · ·						
Home phone ()	Your annual salary S						
Business phone ()	Other income‡ +S						
Employer (If self-employed, plous state the nature of)	Total household income \$						
Please send an additional car	Vests Source of there observed there observed the source of the source o						
X MYSIGNATURE MEANS THAT I AGREE	Date / / TO THE CONDITIONS APPEARING ON THIS FORM.						
Annual fee	None.						
† Annual Percentage Rate (APR)	17.65% for purchases, which may vary.						
Variable-Rate Information	Your APR may vary. The rate is determined by edding a margin to the highest U.S. Prime Rate as published in The Well Street Journal on the 15th of March, June, September, and December, The margin is 9.9 percentage points. On December 15, 1998, the U.S. Prime Rate was 7.75%.						
Grace period for repayment of balance for purchases	At least 25 days, if each month, we receive payment in full of your New Balance Total by the Payment Due Date.						
Method of computing the balance for purchases	Average Daily Balance (including new transactions).						
Transaction fees for cash advances and fees for paying late or exceeding the credit limit	Transaction fee for Bank and ATM cash advances: 2% of each cash advance (minimum \$21. Transaction fee for credit card cash advance checks: 2% of each cash advance (minimum \$2, maximum \$25). Late payment fee: \$29. Over-the-credit-limit fee: \$29.						
Transaction fee for purchases	Transaction fee for the purchase of wire transfers, money orders, bets, lottery tickets, and casino gaming chips: 2% of each such						

MBNA and MBNA America® are federally registered service marks of MBNA America Bank, N.A. Visa is a federally registered service mark of Visa U.S.A. Inc., used pursuant to license. ©1998 MBNA America Bank, N.A.

	MBN	: DI	SA JTE
5.9% OP	TIONAL BALA Immedia	NCETRAN te Savi	ISFER ngs*
Exact transfer amount	\$,	
Make transfer check paya	ble to		
Exact cransfer amount	\$		
Make transfer check paya	ble to	,	•
Please complete only if you to	we maved or chang	ed employers is	the last three years.
Previous address			
Ciry	State	ZIP	

I-MORE APRINFORMATION.

It current promotional Annual Percentage Rate (APR) offer for cash advance checks and balance transfers is 5.5% through your first five states and taken to the control of the co

ary MBNA account (including new furnescions) with lower account in the AFRS.

-CONDITIONS—

Thave read this application, and everything I have stated in it is true, I authorized MBNA America Bank, N.A. (MBNA) to check my credit, employment history, or any other information and to report to others such information and credit experience with me. I understand that the acceptance or use of any card issued will be subject to the terms of this application and the Credit Card Assessment that will be sent with the card, and I agree to be responsible for all the card.

11 New Remington Visa card Customers receive a Remington Bandit 4 Blade Camp Knife (a \$19.99 value) after using the account for a purchase, cash advance or balance transfer transaction. Please allow 8-10 weeks for shipment. Limit one knife per account. You'll also earn one (1) \$10 Remington Rebate Certificate for every \$1,000 in net retail purchases (purchases less returns, credits and adjustments) charged to the card by you and your authorized user(s), if any. Cash advances, balance transfers, and the purchase of money orders, wire transfers, bets, lottery tickets, and casino gaming chips do not qualify. Certificates may be combined, subject to the 50% limit described above, when you purchase Remington or Stran fishing line productiol during a single transaction. To obtain your rebate, send unexpired Certificate(s) to Remington Arms

along with the original register receipt and UPC code(s). Your rebate check will arrive within 8-10 weeks. Each account is subject to maximum annual rebate check total of \$150. This is a partial description of the program; complete information about the program will accompany the bonus Certificate.

The terms of the reward program are subject to change by the sponsor, Remington Arms Company, Inc. the Remington Arms Rebate Certificate Program is the responsibility of Remington Arms Company, Inc. Remington and Stren ere trademarks registered in the U.S. Potent and Trademark Office by Remington Arms Company, Inc.

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



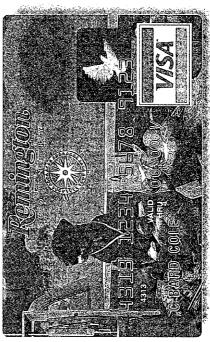
POSTAGE WILL BE PAID BY ADDRESSEE

FIRST-CLASS MAIL

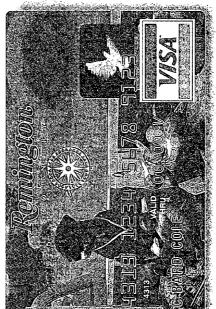
EL PASO TX 79998-9937

MBNA AMERICA PO BOX 981054

IN OUTDOOR A TRADITION



PERFORMANCE. THE



'Surf' the net to find now shooting 'turf'—

NSSF website www.wheretoshoot.org

NSSF's "Where to Shoot" internet website oars information on more than 1,380 public shoring ranges, sportsman's clubs, and hunting preserves. Each listing includes travel directions. types of available ranges, information on instruction and tournaments, as well as a contact name and phone number. Special features such as equipment rental and handicapped access are also listed. The information is searchable by name of facility, state, area code, type of shooting, or type of facility. A tremendous service to all shooters, but particularly those who are just getting started or who would like to find shooting facilities when traveling or vacationing.

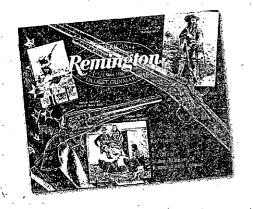
Introduce a newcomer to the out-of-doors-

Invite a friend, neighbor, your boss to . . . "Step Outside"

A major national effort, led by the National Shooting Sports Foundation (NSSF) and the Archery Manufacturers and Merchants Organization (AMO), will provide the structure and theme for organizations and individuals to sponsor hands-on outdoor experiences to introduce newcomers to the outdoor sports. For information on how you can participate, write to NSSF, 11 Mile Hill Road, Newtown, CT 06470.



APPLY TODAY!



"REMINGTON, AMERICA'S OLDEST GUNMAKER"

A BEAUTIFUL NEW AUTHORIZED HISTORY OF THE REMINGTON ARMS COMPANY

A remarkably informative and beautiful new book on the history of the Remington Arms Company has just been published by Primedia of Peoria, IL. Titled "Remington, America's Oldest Gunmaker," it is the culmination of several years of intensive work and thousands of hours of research into both the Remington archives and historical public records.

The book's author is Roy Marcot, a noted firearms historian. In creating the book, Marcot drew heavily on the individual expertise of fellow members of the Remington Society of America, a national organization of Remington collectors and historians. Additional information was provided by a number of current and retired Remington employees.

Because much of Remington's history parallels and is inter-linked with that of the United States, the book becomes a history of both the company and the country. In addition to historical background, it is the most complete and detailed reference source on Remington firearms ever published, covering details of design, specifications and dates of introduction. Interspersed with this background are revealing portraits of the many famous gun designers associated with Remington. Chapter introductions by Richard Dietz add interesting historical perspective to the Remington story.

The book is beautifully illustrated throughout with rare historical photos, color photos of old and current Remington guns, paintings from the Remington art collection by early-century and current artists, and a period-defining collection of Remington advertising and promotional memorabilia.

This uniquely combined history and reference source is a treasure for all sportsmen, historians and firearms writers. At a retail price of \$79.95, it will be available at some book dealers or by mail order by calling 800-423-8495. Or, complete the form below and mail it to: Remington Arms Co. • P.O. Box 700 • Madison, NC 27025 • Attn: History Book.

Bill To: (Please print)	Ship To: (If different from Bill To Information) We cannot ship to P.O. Boxes
Name	Name
Shipping Address	Shipping Address
City	City
State	State-
	Zip/Postal Code
hone	- Phone
Tredit Card Information	Quantity @ \$79.95 cac
1 Master Card CI Visa	Subtotal \$
	. Applicable Sales Tax

Take a hunting trip to Remington Country every week. REMINGTON COUNTRY TELEVISION SERIES

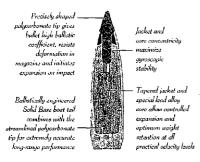
Beginning in July 1999, Remington Country comes to TNN (The Nashville Network) Sunday evenings at 9:30 p.m. CST. Each week Remington Country journeys to different locations around the nation to hunt for America's most popular game — whitetail deer, elk, antelope, mule deer, waterfowl, upland and small game — celebrating the outdoors, sportsmanship, ethics and conservation. Segments will cover a wide variety of subjects including shooting tips from the Remington Pros, Remington Racing, shooting schools and new products for shooting, hunting and outdoor enthusiasts. Come next summer, no matter where you live, once a week you can get out into the best country the outdoors has to offer, Remington Country.





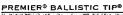
Your Cyber-Guide to Remington Products. REMINGTON WEB SITE @ WWW.REMINGTON.COM

Now, nearly all you've ever wanted to know about Remington is just a mouse-click away. Visit us on the World Wide Web for in-depth information — and current updates — on Remington firearms, ammunition, accessories and other products, including special gun upgrades and one-of-a-kind craftsmanship available from our highly renowned custom shop. You can also follow the NASCAR Winston Cup endeavors of car #75 — the Remington Bullet — and the rest of the Remington Racing Team. Or, read up on the rich history of "America's Oldest Gunmaker." Take a virtual trip to Remington Country today - at www.remington.com.





Remington's Premier® Ballistic Tip® centerfire ammunition line utilizes the highly sophisticated, modern design of Nosler® Ballistic Tip® bullets. In ten different calibers, it provides the flattest-shooting, most accurate group of medium-bore cartridges ever offered in factory-loaded form. Near-perfect bullet concentricity provides match-type accuracy well below the minute-of-angle standard. Exceptionally flat trajectories result from the highest ballistic coefficients ever produced for hunting use. The combination of a polycarbonate tip and specially tapered jacket provides instant but controlled expansion at all ranges.

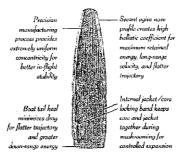


Caliber	Bullet V	Vt. Bullet Type
.243 Win.	90	Nosler® Ballistic Tip®
.260 Remington	:120	Nosler Ballistic Tip
.270 Win.	140	Nosler Balfistic Tip
.280 Remington	140:	Nosler Ballistic Tip
7mm-08 Remington	140	Nosler Ballistic Tip
7mm Remington Mag	:150	Nosler Ballistic Tip
.308 Win.	165	Nosier Ballistic Tip
.30-06 Sprgfld.	.150	Nosler Ballistic Tip
.30-06 Sprgfld.	165	Nosler Ballistic Tip
300 Win. Mag.	180	Nosler Ballistic Tip
.338 Win. Mag.	200	Nosler Ballistic Tip

★ New For 1999



7mm Remington Mag., 150-gr. Premier® Ballistic Tip,® 5 shots, .6", 100 yds.



PREMIER® BOAT TAIL

Our Premier® Boat Tail centerfire ammunition line utilizes the most reliable and efficient boat tail bullets made. Their proprietary design combines



high aerodynamic efficiency with reliable expansion to 1.7x original diameter and high weight retention of over 70%. This preserves long-range velocity and energy while delivering game-anchoring bullet performance. The result is dependable, predictable performance for every possible variable you might encounter, including range, hunting conditions, game types



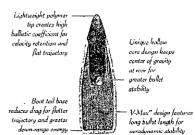
PREMIER® BOAT TAIL

Caliber 71	(grs.) 超	Bullet Type
6mm Remington	100	PSP Boat Tail
.243 Win.	100	PSP Boat Tail
.270 Win	¥ 140 4	PSP Boat Tail
.280 Remington	4140	PSP Boat Tail
7mm-08 Remington	140	PSP Boat Tail
7mm Remington Mag	. 140 '	PSP Boat Tail
308 Win	165	PSP Boat Tail
.30-06 Sprgfld	3165	PSP Boat Tail
.300 Win. Mag.	190	PSP Boat Tail
.300 Wby Mag.	190 -	PSP Boat Tail



30-06, 165-gr.

Premier® Boat Tail,
5 shots, 7, 100 yds.



PREMIER® VARMINT

For distant, small targets you need half-minute-of-angle accuracy and flat trajectory that minimize errors in range

estimation. By utilizing the latest advances in bullet design, our Premier® Varmint amminition line delivers both. In fact, it adds nearly a football field of

effective range for small-game shooting.

The unique combination of a polymer tip and the boat tail design of Hornady V-Max** bullets reduces drag to create the highest group of ballistic coefficients ever available in small varmint calibers.

PREMIER® VARMINT

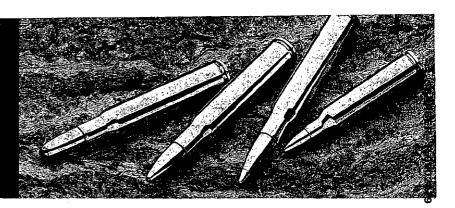
PREMIER* V	AKMIN	·
Caliber 2	Bullet Wi	Bullet Type
.220 Swift	50 1	V-Max [™] Boat Tail
.222 Remington	50	V-Max Boat Tail
.223 Remington	. 50	V-Max Boat Tail
.22-250 Remington	50 °	V-Max Boat Tail
6mm Remington	75	V-Max Boat Tail
.243 Win.	75 1	V-Max Boat Tail



243 Win., 75-gr. Premier® Varmint V-Max, 5 shots, 4", 100 yds.

RIFLE AMEUNITION

A GREAT TRADITION OF PROVEN PERFORMANCE THAT HAS MET THE TEST OF TIME



CORE-LOKT® SOFT POINT



Core-Lokt® bullet design is the original controlled expansion big-game ammunition

that earned the title of "The Deadliest Mushroom in the Woods." It still merits that description today, 60 years after its introduction. The soft-point shape provides a broad frontal area for high-energy impact and rapid expansion to nearly twice original diameter. But the progressively thickening jacket is locked to the lead core at mid-section, preventing separation or break-up.





CORE-LOKT® POINTED SOFT POINT

These game-tested loads remain as modern today as any rifle ammunition made. They were the first to combine reliable, controlled expansion with the flat-shooting, velocity-preserving benefits of spitzer-shaped bullets. With the development of high-power centerfire cartridges, they set the stage for successful long-range hunting. When asked what biggame ammunition they use, countless veteran hunters still reply "Core-Lokt® PSP loads, of course. Why change? They've never failed me.



.7", 100 yde



BRONZE POINT™ TIPPED BULLETS

Introduced by Remington, Bronze Point" bullets were the first ones with a tipped design. They continue to provide exceptionally effective long-range performance on medium-sized game such as deer, sheep, goats and antelope. Their sleek profile generates flat trajectory and retains high velocity and energy at long ranges. On impact, the bronze tip is driven backward to create rapid expansion that is controlled to optimum diameter.





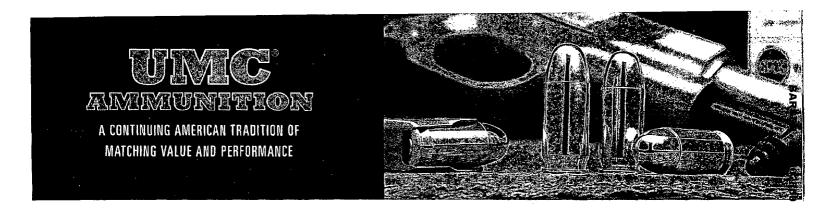
POWER-LOKT® HOLLOW POINT BULLET

Another break-through development by Remington, Power-Lokt® bullets offer unmatched performance for small-game and varmint hunting. In their revolutionary design, a thin copper jacket is electrolytically bonded to the lead core. The result is near-perfect concentricity and gyroscopic balance that creates the kind of benchrest accuracy usually possible only from custom-made bullets. The thin jacket produces instant fragmentation on impact.



w Point Power-Lokt®





When the first breech-loading guns appeared on the scene just past the mid-19th century, most of them were fed with UMC $^{\circledR}$ ammunition — America's first successful manufacturer of self-contained cartridges. It also established a legendary reputation for quality manufacture and exceptional value. We are proud to continue that tradition today with our line of UMC® centerlire rifle and pistol ammunition.

UMC® HANDGUN CARTRIDGES

.25 Auto Pistal (6.35mm)	L25AP	17	50	Metal Case	760	707	659	64	56	48	2.0" 8.7"
.32 Auto	L32AP	1%	71	Metal Case	905	855	810	129	115	97	1.4" 5.8"
.357 Magnum	L357M12	5%	125	JSP	1450	1240	1090	583	427	330	0.6" 2.8"
9mm Luger	L9MM3	1%	115	Metal Case	1135	1041	973	329	277	242	0.9" 4.0"
.380 Auto	L380AP	11/4	95	Metal Case	955	865	785	190	160	130	1.4" 5.9"
.38 Super ACP	L38SUP .	11/4	130	Metal Case	1215	1099	1017	426	348	298	0.8" 3.6"
38 Special	L38S5	1%	158	Lead Rnd Nose	755	723	692	200	183	168	2.0" 8.3"
.38 Special	L38S11	11/6	130	Metal Case	950	913	879	261	240	223	1.2 . 4.8
.40 5 & W	L405W3	5%	180	Metal Case	985	936 -	893	388	350	319	1.4" 5.0"
.40 S & W	L40SW4	5%	165	Metal Case	1150	1040	964 ;	485	396	340	(10" \ 40"
.357 Sig.	L357S1	5%	125	Metal Case	1350	1146	1018;	.506	422	359	0.7
10mm Auto	L10MM6	21/2	180	Metal Case	1150	1063	998 -	529	452	398	0.9" 3.7"
.44 Rem. Mag.	L44MG7	21/6	180	JSP	1610	1365	1175	1036	745	551	0.5",, 23"
.45 Auto	L45AP4	21/4	230	Metal Case	835	800	767	356	326	300	1.6" 🛴 56.8"

UMC® CENTERFIRE RIFLE CARTRIDGES

ella	(10ar 1	No.	(gr.) Style	Websity (i	200 vds	Muzai	rgy (ft. 00 yds	200 yi	Short=range\(rajectory\(in\)inches\ 150-3100-3150-1200-250/1200\
									-0.1 0.6 zero -=1.95.5 =11.0
7.62x39mm	1.762391	71h	1123, MC	2365 2060	1780	1527	1159	865	0.1 zero 2.2 = 6.7 -14.0 = 24.5
									0.6 zero /-4.2 -12.9 -27.2 -48.6
.308 Win.	L308W4	9%	150; MC	2820 2533.	2263	2648	2137	1705	1-0.1 zero -1.2 -3.9 -8.4 -14.7
.30-06 Sprgfld.	L30062	94	150 MC	2910 2617	2342	2820	2281	1827	-0.2 zero -1.1 -1.6 2-7.7 -13.6
303 British	L303B1	9%	174 MC	2475 2209	1960	2366	1885	1484	0.7 1.2 zero -3.2 -8.7 -16.7

UMC® HANDGUN CARTRIDGES

By concentrating on the most popular loadings, we can maintain a high level of manufacturing efficiency that translates into a truly economical value for shooters. Nevertheless, our UMC $^{\scriptsize @}$



handgun ammunition covers a broad spectrum of 14 loadings in 12 different pistol and revolver calibers. You won't find more dependable performance anywhere. For shooters, there's no reduction in quality, only an increase in value.

UMC® RIFLE CARTRIDGES

For practice, target shooting and training exercises, our UMC® centerfire rifle ammunition is loaded with metal-case bullets in six highly popular military-linked calibers.

.30 Carbine rounds for related rifles, as well as three other American standards. The entire line offers an outstanding value to bring down

the cost of high-volume shooting.



AWARININA

A COMPLETE LINE OF PRODUCTS FOR A WIDE RANGE OF APPLICATIONS



Remington® offers the broadest line of pistol and revolver ammunition avail-

able. That's because no other type of ammunition has a greater variety of potential applications. From the breadth of our line, there is a special loading tailored specifically to virtually every one of those applications. This includes choices based on calibers, bullet weights, bullet styles and combinations of all these. Consequently, there's never any need for those who select from our line to make compromises

or substitutions in place of what they really need. You can choose from a complete variety of traditional bullet styles, as well

as from some of the most advanced and sophisticated handgun ammunition currently made for the critical demands

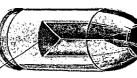
> of handgun hunting and law enforcement use. All are assembled from the highest quality components with careful quality control assuring not only functional reliability in all handgun actions,

but the exact end-use characteristics your application requires. The quality you get comes from experience. After all, we've been making centerfire handgun ammunition longer than any other manufacturer.



Clean-shooting, dependable Kleanbore® primer

Powder blended for best velocity uniformity



Nose profiles designed to function smoothly in semi-autos

Nose cuts designed for controlled mushrooming at wide range of velocities



JACKETED HOLLOW POINT The full-length jacket and hollow-point construction provide controlled expansion with good penetration while assuring dependable function in autoloading pistols.



FULL METAL CASE A general-purpose bullet for all autoloading pistols assures reliable feeding and function.



SEMI-JACKETED HOLLOW POINT Features a unique scalloped jacket design engineered to combine optimum expansion with controlled penetration for maximum energy transfer



LEAD HOLLOW POINT An all-lead bullet that delivers immediate



SOFT POINT Exposed lead soft point provides deeper penetration with less expansion than semijacketed hollow points.



LEAD ROUND NOSE Our versatile, generalpurpose bullet for all



SEMI-WADCUTTER LEAD A hard-hitting lead bullet with clean wadcutter definition on paper targets.



WADCUTTER матсн For precise target shooting and easier scoring, our Targetmaster® wadcutter delivers great accuracy and precision paper-cutting performance.

CORE-LOKT HIGH PERFORMANCE P&R HUNTING AMMUNITION

Caliber 4.5	Order No. P	rimer No.s.	献。 Wt (grs)	Muz.	acity (ft. 50 yds	/sec.] (*) 100 vds.	VEr Muz.	ergy (ft 50 yds	ibs.) : * 100 yds. :	Mid-range 50 yds	Trajector 100 yds
.357 Magnum	RH357MA	51/4	165	1290	,	1108		518		0.7"	3.1"
.44 Rem. Mag	RH44MGA	21/2	275	1235	1142	1070	: 931	797	699	0.8"	3.3"
	Rifle Ballistic	s, 20" B81		1580	1427	1293	1524	1243	1020	0.5"	2.2"



Small-volume nose cavity produces rapid



Spiral nose cuts and thick jacket control mushroom for maximum energy transfer





REMINGTON® GOLDEN SABER" HPJ

HIGH PERFORMANCE JACKET

.357 Mag.	125	Golden Saber™ BJHP				
9mm Luger	124	Golden Saber BJHP				
9mm Luger (+P)	124	Golden Saber BJHP				
9mm Luger	147	Golden Saber BJHP				
.380 Auto	102	Golden Saber BJHP				
.38 Special	125	Golden Saber BJHP				

.40 S&W	165	Golden Saber™ BIHP
.40 S&W	180	Golden Saber BJHP
.45 Auto	185	Golden Saber BJHP
.45 Auto (+P)	185	Golden Saber BJHP
.45 Auto	230	Golden Saber BJHP

Bottom of rifling groovs



Top of rifling land

The bullet diameter directly ahead of the Driving Band" is reduced from groeve to bore diameter, so the bullet is procisely aligned before the Driving Band" engages the rifling. The result: match-grads accuracy and reduced barrel friction that conserves velocity.



DISINTEGRATOR" LEAD-FREE FRANGIBLE BULLET AMMUNITION

ediar :	Opto No.	Rither No.	We (ge)	W. Edita	locity(fi E0yds)	(ste) 100 yds	Engry(GHbs) Mrs. EOyds, (Bolyds)	Mid-rand 50 yds y	e Trajectory 100 yds
9mm Luger	LF9MMA	11/4	101	1220	1092	1004	334 - 267 226	.9"	3.6"
.40 5 & W	LF40SWA	5'4	141	1135	1056	996	403 349 311	.9" .	3.9"
45 ACP	LF45APA	2%	175	1020	923	851	404 331 281	1.2"	5.1









Disintegrator" bullets break up instantly against hard surfaces, leaving behind fine metal particles and thin copper plating

CORE-LOKT" HANDGUN LEGENDARY CONTROLLED EXPANSION DESIGN FOR HANDGUN HUNTING

Now handgun hunters can benefit from the same type of game-stopping performance delivered for years by our Core-Lokt® center-fire rifle ammunition. You get comparable bullet performance that combines dependable mushrooming with controlled, limited expansion. The result is preserved bullet integrity and weight retention for effective penetration at handgun ammunition velocities.

Thick copper jacket controls expansion and maximizes weight retention for deep penetration

Precise bore alignment and match-grade accuracy achieved from reduced bullet nose diameter Nose cut completely
through for Jully deucloped mushrooms over
wide range of velocities

Nickel-plated cases - extract easily and Junction flawlessly

Primer and mouth an waterproofed for maximum reliability



GOLDEN SABER™ HP] A REMARKABLE ADVANCE IN HANDGUN BULLET PERFORMANCE

Golden Saber" High Performance Jacket (HPJ) pistol and revolver ammunition is an outstanding example of Remington's innovative design in bullet technology. For law enforcement and home security applications, it successfully combines four critical elements of handgun bullet performance — match-type accuracy, deep penetration, maximum expansion and virtually 100% weight retention. No bullet has ever been able to meet all these performance parameters so completely. The perfect round for personal defense.

Exclusive brase jacket controls mushroom and releases energy over longer distance

> Primer and mouthwaterproofing for long-term reliability

Reduced nose diameter allows precise bore alignment for enhanced accuracy



through jacket for better nuishroom initiation over widest range of practical velocities

Cases nickel-plated for reliable feed and function in all types of pistols

Treated powders suppress muzzle flash

Primers are tripleinspected during __manufacturing process

DISINTEGRATOR" LEAD-FREE AMMUNITION INSTANT AND COMPLETE BREAK-UP WITH NO RICOCHET OR LEAD RESIDUE

Our Disintegrator lead-free ammunition combines reliable lead-free primers with advanced, non-lead bullet manufacturing technology that is ideal for all environments where airborne lead or spent lead recovery is an issue. And the proprietary



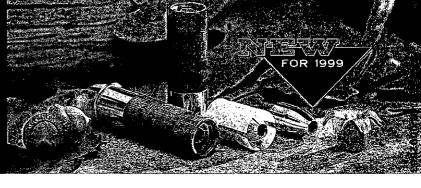
What is left after Disintegrator bullets impact metal backstop e. And the proprietary frangible bullet design provides complete disintegration against any mild steel target or backstop. Disintegrator bullet
made of compressed
metal particles shaped
into standard profile
gnm, 40 SGW and
45 Auto specifications

The profile of impact duplicate
or for excellent accuracy.
Felt recoil and point
of impact duplicate
conventional ammunition

41



FIELD PROVEN AND PACKED WITH POWER TO FILL YOUR LIMIT, AND YOUR FREEZER





Remington® has developed the most sophisticated and effective line of rifled slugs and buckshot loads available. It includes a choice of unduplicated slug accuracy and the most powerful and concentrated buckshot patterns in existence.

PREMIER® COPPER SOLID" SABOT SLUGS

	Index/EDI No	Gauge	Shell Length	Slug Wt.	Muz	locity (ft./ 50 yds:	sec.) 100 yds	Energy (ftibs.) s Muz = 50 yds. s 100 yds.	Drop 50 yas	(in.) 100 yds.
*	PR12MCS	12	3.	(17)	1550	1331	1161	2331 1719 1307	0.0	-4.0
*	PR12CS	12	2%"	1.7	1450	1250	1104	2040 1517 · 1183	0.0	-4.6
	PR2ORS	,20	21/4"	7.	1450	1262	1120	1480 1121 883	0.0 ⁺	-4.6

SLUG	GER*	RIFLE	D SLU	GS.			
Index/EDI	Gauge	Shell Leng	Slüg W	N. W.	Veloc	ity (ft./sec. 50 yds.	Energy (ft albs.)
SP12RS-5	PK12.	21/1,"	. 1 1	1560	1175	977	2364
SP12MRS	12	3"	1.1	1760	1345	1075	3009
SP12SRS	12	2³∧⁼	1	16BD	1285	1045	2741
SP16RS	16	23/4"	7.	1600	1175	965	1989

	20.	23/4"		1580	1240	1034	1515	-9.8
SP41RS	410.	2'h"	4	1830	1335	1040	: 651	-B.2
REDUC	ED R	ECOIL	RIFL	ED 5	LUG			
RR12RS	12	2%	1, 1,	1200	989	873	1398	-15.B

No. 2	Gauge	Length	Dr. Eq.	(ft./sec@3.ft.)%s	Size Size of the Size	Count
12HN	12	3"	4	1210	.00	15
125N	12	23/4"	4	1290	00	12
12N	12	234	3%	1325	00	9
20N3	20	214-	23/4	1200	3	20

EXPRESS* BUCKSHOT

12358	-12	31/1	Max.	1125	00	18
12HB	,12	3"	4	1225	000, 00, 4	10, 15, 41
1258	.12	23/4"	4	1290	00	12
12B	12	23/1	34	1325	000, 00, 0, 1, 4	8, 9,12,16, 27
208	20	234"	21/4	1200	3	20

1 0.0 indicates yardage at which shotgun was sighted in.

* New For 1999

PREMIER® COPPER SOLID" SABOT SLUGS

Our new Copper Solid™ Sabot Slugs deliver 2x expansion and virtually 100% weight retention. They have consistently delivered 21/2", 5-shot groups at a hundred yards from our fully rifled barrels.



SLUGGER® RIFLED SLUGS

The accurate, game-stopping performance and uniform velocities of our 12-gauge Slugger® Rifled Slug loads results from a combination of slightly oversize slug diameter for better sealing against the barrel wall, and more efficient gas sealing behind the slug.

PREMIER® NICKEL-PLATED BUCKSHOT

The extra-hard nickel-plated pellets in our Premier® Buckshot loads are designed to provide deep penetration with dense, evenly balanced patterns that are 25% tighter than those of normal buckshot,



EXPRESS® BUCKSHOT

Cur Express® Buckshot remains one of the great values in deer-hunting shotgun loads. A combination of heavy cushioning behind the shot column and granulated polymer buffering helps maintain pellet roundness for concentrated, balanced patterns.

NS12S

STATE-OF-THE-ART STEEL LOADS FOR WATERFOWL AND UPLAND GAME



Of all the non-toxic alternatives to lead shot, only steel has proven to be a viable choice in terms of affordable cost, effectiveness and availability. That's why Remington has continued to concentrate on improving the effectiveness of its steel waterfowling loads

and producing a wide variety of choices in gauges, payloads and pellet sizes. We've been designing, testing and improving steel shot loads for almost 30 years, and their performance shows it. Our zinc-galvanized steel pellets provide dense, full patterns and game-dropping penetration.

NITRO-STEEL" HIGH VELOCITY MAGNUM LOADS (ZINC-GALVANIZED STEEL)

NS10HV	., 10.	3.7	Magnum	1450	1%	BB
NS1235HV	12	37,"	Magnum,	1450	* 1% F	BB
NS12HV	1,12	3"	Magnum .	1500	21/4:25	BB, 2, 4
NITRO-S			и ѕнотѕн			
NITRO-S	5TEEL"	MAGNU 3'/'	Magnum/	ELLS (ZIN	C-GALVANIZ	ED STEEL) IT, T, 888, 88, 1★, 2
	10 4					
NS 10M		31/4"	Magnum /	1260	(4) A(1)	TT, T, BBB, BB, 1★, 2

NS20M 1330 Note: In "TT" and "8BB" loads on the ammunition box

ALVANIZED STEEL) 12 BB, 1, 2, 3, 4, 6 SSP12L 1375 2, 3, 4, 6 5SP20 20 1425

* New For 1999

T, BBB, BB, 1, 2, 3, 4

NITRO-STEEL" HIGH VELOCITY MAGNUM LOADS

The key to successful waterfowl hunting, particularly the larger birds like Canada geese, and wary, long-range snow geese, is to use a combination of larger-size steel pollets with high retained velocity and energy levels at reasonable ranges. The only way to create an increase in long-range energy is to start the pellets off faster, right out of the muzzle. That's exactly what we've done with our new High Velocity Nitro-Steel" Magnum loads. They deliver the highest initial velocity currently available, while maintaining sufficient pellet counts for effective pattern density. They are now available in 12-gauge 3" and 3 % magnums, and 10-gauge 3 % magnums.



NITRO-STEEL "/EXPRESS-STEEL"

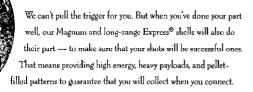
These are the steel loads designed for every type of waterfowl hunting and weather conditions. Our Nitro-Steel™ Magnum loads have greater hull capacities for the heavier charges and larger pellets you need for big ducks and geese. Our Express-Steel" loads, in standard shell lengths,



provide sufficient capacity and a variety of pellet sizes for everything from small, teal-size ducks to full-bodied mallards. Rustless" zinc-galvanized steel shot prevents pellet corrosion and clumping, while primer and crimp treatments aid in water resistance.



POWER AND PAYLOADS THAT REACH OUT TO PUT THE GAME IN THE BAG



PREMIER® MAGNUM COPPER-PLATED TURKEY LOADS

Index/EDI		Shell	: Powder	Velocity (Ounces 🥎	∜ Shot 🚜 😘 🛠 🕏
No+ S	Gauge		Dr. Eq.(*)	* (ft./sec.@ 3ft.)		Sizes Strategy V
P10HM	10	31/4"	Max.	1210	21/4	4, 6
P1235M	12	3%"	Max	1150	2'/4	4, 6
P12XHM	12	3"	,Max.	1175	2	4, 5, 6
P12SM	12 .	23%"	Max.	1260	1 ¹ /4	4, 5, 6
P20XHM	20	3"	Max.	1185	11/4	6
PREMIE	R® DUPLE	EX® MAGN	UM COF	PPER-PLATE	о ѕнотѕн	ELLS
MP12H	12 .	3"	Max.	1210	176	4x6
MP12S	12	23/4"	Max.	1260	1 ¹ A;	4x6
NITRO N	MAG® BUE	FERED M		5		
NM10H	10	3%"	4 %	1210	2'4	4
NM12H	12	3"	Max.	1210	1%	2, 4, 6
NM12	12	3"	4	1280	1%	4, 6
NM12S	:12	2%"	Max.	1260	- 1%	2, 4, 6
NM20H	20	3"	:Max	1185	1%	4, 6
NM20S	20	2%"	Мах.	1175	11/4	4, 6
EXPRES	S® EXTR	A LONG R	ANGE S	HOTSHELLS		
SP12	12 -	21/4"	31/4	1330	174	BB, 2, 4, 5, 6, 71/2, 9
SP16	16	2%"	31/4	1295	1%	4, 6, 71/2
SP20	20	2%	234	1220	1	4, 5, 6, 7½, 9
SP28	28	21/4"	21/4	1295	3/4	6, 71h
SP410	.410	2'/5"	Max.	1200	'6	4, 6, 716
SP413	.410	3"	Max.	1135	"As	4, 6, 7'ሉ

PREMIER® MAGNUM TURKEY LOADS

Our Premier® Magnum Turkey Loads combine every advantage to help deliver both penetrating power and dense patterns. To keep every pellet in the pattern, our magnum-grade Copper-Lokt® shot is cushioned with special polymer buffering and further protected by our Power Piston® shot cup wad.



PREMIER® DUPLEX® MAGNUMS

By layering No. 4 shot over No. 6s, our unique Duplex® shells handle variable ranges by combining retained energy and penetration from the larger pellets with pattern density from the smaller ones. The result is superb pattern balance and broad versatility.

NITRO MAG® BUFFERED MAGNUMS

In these original buffered magnum shotshells, the heavy payloads of extra-hard shot are packed with shock-absorbing polymer buffering and enclosed in our patented Power Piston® wad to provide dense, even patterns and uniform shot strings.



EXPRESS® EXTRA LONG RANGE

Our Express® shells are the time-proven choice for hunting a wide variety of game birds ranging from quail to large, flushing pheasants. Available in a broad selection of loadings, from 12-gauge to .410 bore, with shot sizes ranging from BBs all the way down to 9s.

TOP QUALITY PERFORMANCE AND VERSATILITY WHEN THE GAME IS FAST



Remington® upland shotshells are the traditional workhorse loads of our line — the ones you take afield day after day for hunting a wide spectrum of game. You'll find them in use everywhere - for mourning doves, quail, ruffed grouse, woodcock, cottontail rabbits, even midwestern pheasants and western chukars. They all have one

thing in common — economy and versatility with no sacrifice in quality. Every shell is built for dependable performance with our top-quality components.

SHURSHOT® HEAVY FIELD AND HEAVY DOVE LOADS

ndev/EDI No. W.	Gauge	Shell & Length	Powder Dr. Eq.	Velocity (ft./sec.@3f	Ounces Of Shot	Shot 2. Sizes
RP12H	12	21/4"	314	1220	41%	6, 714, 8
R12HD	12	21/4"	31/4	1255	"ৰ% [©] ি	6, 714, 8
R20HD	20	21/4"	21/2	1165	4 5, 5	6, 7½, 8
LEAD G	AME LOAD	os				
HGL12	112	2%"	33/4	1330	21/4.19	4, 6, 7 h
HGL16	16.	2%"	(3₩ 1/3	1295	F1'6	6
HGL20	20	2%"	3234 · 1	1220	W. \$1/3	4, 6, 71/2
GL12	12	2%"	34 2	1290	13.34	6, 7 4, 8
GL16	16.	21/4"	214	1200	911EUM	6, 714, 8
3L20	20	2%"	2'h.	1225	'A	6, 714, 8
L410°	\$ 410.	2¾"	Max.	1200	16.	6 _
GL410 packe	d 20 rounds per box	. · ,				4.74 24.4
PROMO	TIONAL SI	TEEL GA	ME LOADS			
SSTL12	112	2%"	374	1325	海洋河	7
SSTL20	20	21/4".	2'h	1200 -	14.6.4	7 000
SPORT	LOADS					
R125L	f 12.0 %	21/"	1314}	1290	图 图 图	8
R20SL	20	21/4"	2.4	1225	PW-2-4	8

SHURSHOT® HEAVY FIELD AND HEAVY DOVE LOADS ShurShot® has been one of the most respected names in American upland gunning for decades. The ideal balance of powder equivalents to shot charges in our Heavy Field and Heavy Dove loads combines appropriate velocity and near-perfect patterns with light recoil for effective highvolume, small-bird hunting. They are available in 12- and 20-gauge in a choice of No. 6, 71/2 and 8 shot.



LEAD AND STEEL GAME LOADS

For a wide variety of field gunning, these budget-stretching loads include the same quality components as other Remington® shotshells, and are available in four different gauges to match up with your favorite upland shotguns. Lead shot selection ranges from 4s to 8s. And for upland hunting in areas with steel shot requirements, there are also steel loads in 12- and 20-gauge.

SPORT LOADS

In both 12- and 20-gauge, these economical shells are versatile multi-purpose loads for a variety of shotgunning applications. Built with our Power Piston® wad and plastic Unibody™ hulls, and loaded with No. 8 shot, they perform effectively for skeet, trap and sporting clays, or quail, doves and woodcock.





Every element of Remington's Premier $^{\!\circ}$ Nitro 27 " and STS $^{\!\circ}$ target loads is engineered to give you first-fire performance and long-term reloadability. Whether your game is Trap, Skeet, or Sporting Clays, 12-ga. down to .410, well keep you right on target with the highest-quality triple-tabled shot, perfectly matched powders, and the best hull design on the market. Shoot the best — shoot Premier® STS® and Nitro 27."

TRAP LOADS

Index/EDIX No. 1 4	Gauge/ Bore	Load Type	Shella Length	Powder Or Eq.	(ft./sec.@3ft.)	Ounces 1 St.	Shot
STS121	12	Premier® STS® Target	21/1	21/4	° 1185°.	1	71/1, 18, 81/1
STS12LR	12	Premier STS Low Recail	21/4	216	1100	11/4	7%, B
STS12L	12	Premier STS Light Target	23/**	23/4	1145	11/4	7.4, 8, 8%
STS12LH	12	Premier STS Light Handicap	- 21/"-	3	1200	11/6	74.8
STS12NH	12	Premier Nitro 27™ Handicap	23/,"`	HNDCP	1200	1%	7 h, 8
RIT12L	12`:	Premier International	21/	-	1325	24 gm. (% oz.)	76 77 7
SKEET	LOA	DS					
STS121	12	Premier® STS® Target	21/.7	23/4	1185	1	9
STS12L	12	Premier STS Light Target	21/	21/4	1145×	11/4	9
STS12H	12	Premier STS Heavy Target	23/4"	3	12007	14	.9
RIT12L	12.	Premier International	21/1"		1325	24 gm. (% oz.)	9
STS20	20	Premier STS Target	21/"	2'4	1200	' A	9
STS20H	20	Premier STS Target	21/	_	1175	1	9
STS28	28	Premier STS Target	21/2	2	1200°	3/4	9
STS410	:410	Premier STS Target	2'ለ" ።	MAX	1200	¹ / ₂	9 ''' '
SPORT	ING (CLAYS LOADS					
STS20SC	20	Premier® STS® Target	23/,"	21/4	1200	⁷ &	8
STS28SC	28%	Premier STS Target	2³/,°	2	1200	3/4	В
STS410SC -	.410	Premier STS Target	2'/	MAX	1200	<i>'</i> A	81/4
STEEL	TARC	GET LOADS					
STS12LS	12	Premier® STS® Steel	234"	21/4	.1145	1%	7
STS12HS	12	Premier STS Steel	21/4"	3	1200	11/4	6'h, 7
STS20LS	20	Premier STS Steel	23/4"	21/2	·1200	¹h	7
PIGEO	N LO	ADS					
STS12P	12	Premier® STS® Pigeon	21/,"	31/4	. 1220	11/4	7%,8
						- A	ew For 1999



PREMIER® NITRO 27™ HANDICAP TRAP LOADS For back-fence Trap and long-range Sporting Clays

targets, these are the loads that deliver consistent handicap velocity and pattern uniformity to break the toughest targets.



PREMIER® STS® TARGET LOADS

Available in all gauges, our Premier® STS® shells are the most reliable, consistent and most reloadable shells you can shoot. Trophy-winning performance and unmatched reloadability — get both with Premier® STS.®



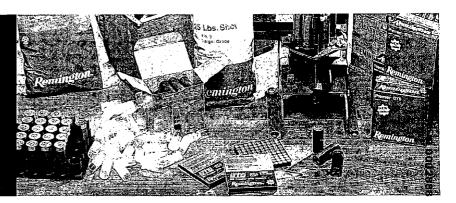
PREMIER® STS® STEEL TARGET LOADS

These steel target loads smash clay birds so well you won't know the difference. They're available in 12- and 20-gauge versions designed to replicate our STS® lead load performance using steel pellets for Trap, Skeet and Sporting Clays.



RELOADING

WHEN YOU GO TO YOUR RELOADING BENCH, TAKE ALONG THE BEST NAME IN COMPONENTS - REMINGTON



209 PREMIER® STS® PRIMERS Our new 209 Premier® STS® primers bring an important performance advantage to shotshell reloaders - more uniform velocities. The nominal velocity of any given reloading formula is actually an average of variances from the highest to lowest. Extensive comparative tests have shown that our new 209 Premier® STS® primers, in comparison to others, create reductions of up to 40% in the high-to-low spread of reload velocities. That might just change your good score to a perfect one. 209 Premier® STS® primers are interchangeable with 209-P primers. Check



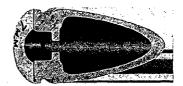


KLEANBORE® CENTERFIRE PRIMERS

Remington® Kleanbore® centerfire primers established their reputation among benchrest shooters who insisted on consistently reliable uniformity. Our secret is simply uncompromising, two-step manufacturing care. First, every primer subcomponent is individually made to exceptionally tight dimensional tolerances. Next, these precise-fitting sub-components are assembled with the care of a Swiss watch. Finally, each lot is 100% visually inspected and subjected to critical ballistic tests

REMINGTON CARTRIDGE BRASS

Our centerfire cartridge cases have long been recognized by all reloaders, including highly critical benchrest shooters and high-volume varmint shooters, as the longest-lasting and most easily formed in the industry. They are carefully drawn and formed from specially alloyed high-quality brass to provide consistently exact internal volume and multi-reload resistance to case stretching, brittleness and splitting. For smooth but snug primer seating, our primer pocket tolerances are held to just .001". Finally, closely monitored case neck annealing time and temperatures assure easier re-sizing to exact, original dimensions for smoother feeding and chambering as well as longer reloading life.



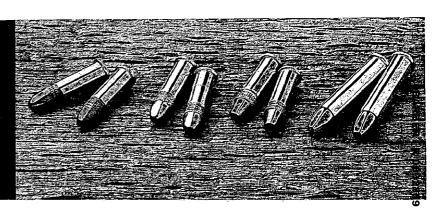


SHOTSHELL COMPONENT WADS

The development of our famous Power Piston® one-piece shot cup and wad column dramatically improved shotgun shell performance in terms of pattern quality and more reliable gas sealing. In fact, the dramatic increase in overall clay target averages and long runs parallels the arrival of the Power Piston.® This is the same Power Piston® that is directly available to reloaders to reduce pellet deformation and help them to duplicate the performance of factory loads. No wad does this as well or is as easy to reload. We produce component Power Piston® wads for everything from 10-gauge magnums down to tiny .410-bore loads. And for specially tailored 12-gauge clay target loads, we offer our exclusive Power Piston® Figure 8™ wad for standard loads, and our TGT-12 wad for today's light-recoiling 1-oz. loads.

AMMUNITION

IN ITS OWN SMALL WAY, OUR RIMFIRE IS AS GOOD AS ANY AMMUNITION WE MAKE



Modern rimfire ammunition began at Remington® — in the late 1920s. And our rimfire tradition and experience is even older — dating back to our famous UMC® heritage. In fact, more rimfire innovations and improvements can be traced to Remington than any other company. So we don't treat it as centerfire's kid brother. For us, it is a serious product, one that merits and gets our top effort in manufacturing care and product quality. There are Remington rimfire loads for every type of smallbore shooting application. We treat them all the same way — the very best we can make.









.22 Win. Mag. PSP

.22 Win. Mag. JHP

Target LR



Cyclone™ LR



Galden" Bullet Short







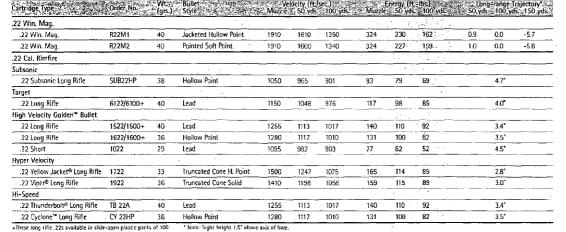
Viper® Hyper Velocity LR

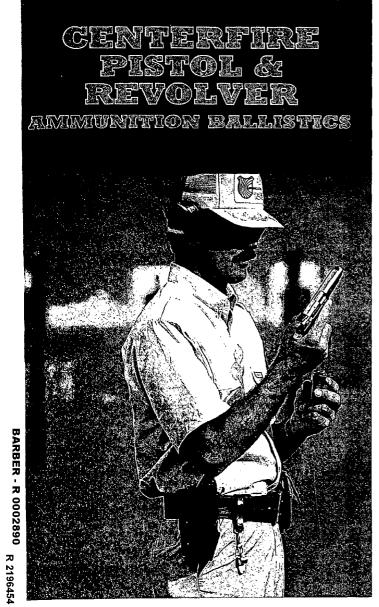


Thunderbolt® LR

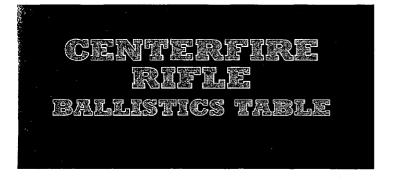


Golden™ Bullet LRHP Golden™ Bullet LR





					Veioc	ity (ft./		Ener	gy (ft.		Mid-rar		ectory
Caliber	Order No.	Primer No.	Weight	Bullet	Muzzle	50	100 vds.	Monda	50	100 vds.	50 vds.	100. yds.	8.1.
25 (G.JSmm) Auto. Pistol	R25AP	1/2	(grs.) 50	Style Metal Case	760	yds. 707	659	Muzzle 64	yds.	48	2.0*	8.7°	2"
32 S&W	R32SW	11/2	88	Lead	680	645	610	90	81	73	2.5"	10.5	2
32 S&W Long	R325WL	1/2	98	Lead	705	670	635	115	98	88	2.3"	10.5	4.
32 (7.65mm) Auto. Pistol	R32AP	11/2	71	Metal Case	905	855	810	129	115	97	1.4"	5.8"	4"
357 Mag. (Vented Barrel Ballistics)	R357M7	5/12	110	Semi-Jacketed Hollow Point	1295	1094	975	410	292	232	0.8	3.5	4"
	R357M1	51/2	125	Semi-Jacketed Hollow Point	1450	1240	1090	583	427	330	0.6"	2.8"	4
	GS357MA	51/2	125	Brass-Jacketed Hollow Point	1220	1095	1009	413	333	283	0.8*	3.5	4"
	RH357MA	51/2	165	JHP Core-Loke	1290	1189	-1108	610	518	450	0.7	3.1	84
	R357M2	51/2	158	Semi-Jacketed Hollow Point	1235	1104	1015	535	428	361	0.8	3.5	4
	R357M3	51/2	158	Soft Point	1235	1104	1015	535	428	361	0.8*	3.5"	4"
	R357M5	51/2	158	Semi-Wadkutter	1235	1104	1015	535	428	361	0.8	3.5"	4"
	R357M10	S'j2	180	Semi-Jacketed Hollow Point	1145	1053	985	524	443	388	0.9	39"	81/8
Imm Luger Auto. Pistol	R9MMI	11/2	115	Jacketed Hollow Point	1155	1047	971	341	280	241	0.97	3.9	4"
	ROMMIO	11/2	124	Jacketed Hellow Point	1120	1028	960	346	291	254	1.0*	4.1	4
	R9MM2	11/2	124	Metal Case	1110	1030	971	339	292	259	יתו	4.1	4"
	R9MM3	11/2	115	Metal Case	1135	1041	973	329	277	242	0.9*	4.0*	4"
	R9MM6	11/2	115	Jacketed Hollow Point (+P)†	1250	1113	1019	399	316	295	0.6	3.5*	4
	RMMen	11/2	147	Jacketed Hollow Point (Subsonic)	990	941	900	320	289	264	1.1*	49*	4'
	R9MM9	11/2	147	Metal Case (Match)	990	941	900	320	239	264	1.1"	4.9*	4
	LP9MMA		101	Disintegrator Plated Frangible	1220	1092	1004	334	267	226	0.9	3.6	. 4
	GS9MMB	11/2	124	Brass-Jacketed Hollow Point	1125	1031	963	349	293	255	1.0	4.0*	4
	GS9MMC	11/2	147	Brass-Jacketed Hollow Point	990	941	900	320	289	264	1.1*	4.9*	4
	GS9MMD	11/2	124	Brass-Jacketed Hollow Point (+P)†	1180	1089	1021	384	327	287	0.8	3.8*	4
380 Auto. Pistol	R380AP	11/2	95	Metal Case	955	865	785	190	160	130	1.4*	5.9*	4
	R380A1	1/2	88	Jacketed Hollow Point	990	920	8G8	191	165	146	1.2"	5.1"	4
	GS380B	1/2	102	Brass-Jacketed Hollow Point	940	901	866	200	184	170	1.2*	5.1"	4
38 S&W	R38SW	11/2	146	Lead	685	650	620	150	135	125	2.4"	10.0*	. 4
38 Special (Vented Barrel Ballistics)	R38510	11/2	110	Semi-Jacketed Hollow Point (+P)#	995	926	871	242	210	185	1.2	5.1*	4
	R38516	11/2	110	Semi-Jacketed Hollow Point	950	890	840	220	194	172	1,4"	5.4*	4
	R3852	11/2	125	Semi-Jacketed Hollow Point (+P)†	945	898	858	248	224	204	1,3	5.4*	4
	GS38SB	11/2	125	Brass-Jacketed Hollow Point (+P)†	975	929	885	264	238	218	1.0		4
	R3853	11/2	148	Targetmaste ** Lead WC Match	710	534 723	566 692	166	132	105	2.4	10.8°	4
	R38514	1/h	158 158	Lead (Round Nose)	755 B90		823	278	257	238	1.4	6.0*	4
	R3856	17/1	158	Semi-Wadcutter (+P)†	755		692	200	183	168	2.0	8.3*	4
	R38512	1/2	158	Semi-Wadcutter Lead Hollow Point (+P)†	890	723 855	823	278	257	238	1,4	5.0*	- 4
36 Short Coft	F385C	17/2	125	Lead	730	685	645	150	130	115	2.2"	9.4*	- 6
357 Sig.	R357S1	5'h	125	Jacketed Hollow Point	1350	1157	1032	506	372	296	0.7	3.2	4
40 S&W	840SW1	51/2	155	Jacketed Hollow Point	1205	1095	1017	499	413	356	0.7	3.6*	4
40 3071	R40SW2	51/1	180	Jacketed Hollow Point	1015	960	914	4:2	36B	334	1.3"	4.5*	4
5,0502	LF405WA	5/1	100	, Disintegrator Platec Francible	1135	1056	996°	403	349	311	0.9	3.9*	- fo4
	GS40SWA	5'/2	165	Brass-Jacketed Hollow Point	1150	1040	964	485	396	340	1.0	4.0	4
	65405WB	5/1	180	Brass-Jacketed Hollow Point	1015	960	914	412	368	334	1.3	4.5*	4
41 Rem. Mag. Mented BBL Ballistics	RAIMGI	21/2	210	Soft Point	1300	1162	1062	788	630	526	0.7	3.2*	4
44 Rem. Mag. (Vented BBL Ballistics)		21/1	180	Semi-Jacketed Hollow Point	1610	1365	1175	1036	745	551	0.5	2.3*	4
Trem may (reside the building)	R44MG2	21/2	240	Soft Point	1180	1081	1010	741	623	543	0.9"	3.7	
	R44MG3	21/1	240	Semi-Jacketed Hollow Point	1180	1081	1010	741	623	543	0.9"	3.7	-
	RH44MGA	2/h.	275	HP Core-Lakt	1235	1142	1070	931	797	699	0.8	3.3	. 69
44 S&W Special	R44SW	21/2	246	Lead	755	725	695	310	285	265	2.0	8.3	(
	R44SW1	21/1	200	Semi-Wadcutter	1035	938	866	476	391	333	1.1"	4.9	-
45 Colt	R45C	21/1	250	Lead	860	620	780	410	375	340	1.6"	6.6"	
	R45CI	21/2	225	Semi-Wadcutter (Keith)	960	890	B32	460	395	346	1.3*	5.5"	
45 Auto.	R45AP1	21/2	185	Targetmaster® MC WC Match	770	707	650	244	205	174	2.0°	8.7*	_
	R45AP2	21/2	185	Jacketed Hollow Point	1000	939	889	411	362	324	1.1	4.9"	
	R45AP4	21/2	230	Metal Case	835	800	767	356	325	300	1.6*	6.8	- 5
	R45AP7	21/1	230	Jacketed Hollow Point (Subsonic)	835	800	767	356	326	300	1.6"	6.8	5
115	LF45APA	2 h.	175'	Disintegrator Plated Frangible	, 1020	923	-851	404	331	(28)	1.2	5.1	
	GS45APA	21/2	185	Brass-Jacketed Hollow Point	1015	951	899	423	372	332	1.1	4.5	- 6
71.841 (1951) P. P.	GS45APB	21/2	230	Brass-Jacketed Hollow Point	875	833	795	391	355	323	1.5	6.1	



Premier® Ultra Mag Premier® Safari Grade Premier® Partition® Premier® Ballistic Tip® 📆 Premier® Boat Tail 💯 Premier® Varmint

These tables were calculated by computer. A standard scientific technique was used to predict trajectories from the best available data for each round. Trajectories shown typify the ammunition's performance at sea level, but note that they may vary due to atmospheric conditions and the equipment.

All velocity and energy figures in these charts have been derived by using test barrels of indicated lengths.

Ballistics shown are for 24" barrels, except those for .30 carbine and .44 Remington Magnum, which are for 20" barrels These barrel lengths were chosen as representative, as it's impractical to show performance figures for all barrel lengths

The muzzle velocities, muzzle energies and trajectory data in these tables represent the approximate performance expected of each specified loading. Differences in barrel lengths, internal firearm dimensions, temperature, and test procedure can produce actual velocities that vary from those given here.

CENTERFIRE RIFLE VELOCITY VS. BARREL LENGTH

Muzzle Velocity Range (ft./sec.)	Approx. Change in Muzzle Velocity per 1" Change in Barrel Length (ft/sec.)
2000-2500	10
2500-3000	20
3000-3500	30
3500-4000	4O
	1.1. 1. 1. 1.

- 1. Determine how much shorter, or longer, your barrel is than the test harrel.
- 2. In the left column of the above table, select the muzzle-velocity class of your cartridge.
- 3. To the right of that class, read the approximate change $% \left(1\right) =\left(1\right) \left(1\right) \left$ in velocity per inch of barrel length.

- 4. Multiply this number by the difference in the length of your barrel from that of the test barrel.
- 5. If your barrel is shorter than the test barrel, subtract this figure from the muzzle velocity shown for your cartridge.
- 6. If your barrel is longer, add this figure to the muzzle velocity

The trajectory figures shown in these ballistic tables are the rise or drop, in inches, of the bullet from a direct line of sight at selected yardage. Sighting-in distances have been set at 100 to

The line of sight used is 11/2" above the axis of the bore. Since the rise or drop figures shown at the stated yardage are points of impact, you must hold low for positive figures, high for negative figures.

Many shooters who use the same cartridge often, find it helpful to commit the rise and drop figures for that cartridge to memory, or tape them to their rifle stock. That way, they know instantly the right "hold" as soon as they estimate the target's range.

FOOTNOTES:

Specifications are nominal. Ballistics figures established in test barrels

- Individual rifles may vary from test-harml specifications.

 * Inches above or below line of sight. Flold low for positive numbers high for negative rumbers.
- † 280 Rem, and 7mm Express' Remington are interchangeable.
- † Interchangeable in 244 Remington.
- Bullet does not rise more than 1" above line of sight from muzzle to sighting-in-range.
- 2 Bullet does not rise more than 3" above line of sight from muzzle to sighting-in range
- NOTE: "zero" indicates yardage at which rifle was sighted in

	Index/EDI	WL	Bullet
Caliber	Number	(grs.)	Style .
17 Remington	R17REM	25	Hollow Point Power-Lokt®
22 Hornet	R22HN1	45	Pointed Soft Point
404 F 15	R22HN2	45	HUILUW FOIRIT
220 Swift	R220S1	50 (50)	Tollited Soft Folia
222 Remington	'R222R1	50	V-Max - (Boat (all) Pointed Soft Point
ZZZ Nemington	R222R3	50	Hollow Point Power-Lokt®
	JERV222RA		VAMES Boat Lab
223)Reminoton			V-Max=(Boat (all
THE PARTY OF THE P	R223R1	55	Pointed Soft Point
	R223R2	55	Hollow Point Power-Lokt®
	R223R3	55	Metal Case
	R223R6	62	Hollow Point Match
2-250 Remington	R22501	55	Pointed Soft Point
	R22502	55	Hollow Point Power-Lokt® 📞
12.640.32343	RRV2250A		Venter Albandan
43 Win.	R243W1	80	Pointed Soft Point
	R243W2	80	Hollow Point Power-Lokt®
(CONTRACTOR OF THE STATE OF THE	R243W3	100	Pointed Soft Point Core-Loke
	PRV243WQ		V-Max - ¡Boat (lail • • • • • • • • • • • • • • • • • • •
	PRB243WA PRT243WC	100 1	Pointed Soft Point, Boat Tail-
P	R6MM4 #	90*	Nosler® Ballistic Tip® Pointed Soft Point Core-Lokt®
mm Remington			V-Max Boat Tail
a with the second			Pointed Soft Point, Boat Tail
25-20 Win.	R25202	86	Soft Point
50 Savage	R250SV	100	Pointed Soft Point
57 Roberts	R257	117	Soft Point Core-Lokt®
5-06 Remington	R25062	100	Pointed Soft Point Core-Lokt®
	R25063	120	Pointed Soft Foint Core-Lakte
.5x55 Swedish	R65SWE1	140	Pointed Soft Point Care-Lokt®
60 Remington	PRP260FA 🖈	125.	Nosler® Partition®
	R260R1	140	Pointed Soft Point Care-Lakt®
	PRT260RC	140	Nosler® Ballistic Tip®
64 Win. Mag.	R264W2	140	Pointed Soft Point Core-Loke
70 Win.	R270W1	100	Pointed Soft Point
	R270W2	130	Pointed Soft Point Core-Loke
	R270W3	130	Bronze Point**
THE STATE OF THE STATE OF	R270W4	150	Soft Point Core-Lokt®
A PROPERTY OF THE PROPERTY OF			
		140	
	PRB270WA	140-	Pointed Soft Point, Boat Tail
	PRT270WB	140,	Nosler® Ballistic Tip®
mm Mauser (7x57)	PRT270WB PRP270WD ★	140, 150 /	Nosler® Bailistic Tip® Nosler® Partition
	PRT270WB PRP270WD ★ R7MSR1	140, 150 /	Nosler® Ballistic Tip® Nosler® Partition A Pointed Soft Point Core-Lokt®
x64	PRT270WB PRP270WD ★ R7MSR1 R7X642	140 150 / 140 175	Nosler® Ballistic Tip® Nosler® Partition Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt®
¢64	PRT270WB PRP270WD ★ R7MSR1 R7X642 R7M081	140, 150 / 140 175 140	Nosler® Ballistic Tip® Nosler® Partition Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt®
x64	PRT270WB PRP270WD ★ R7MSR1 R7X642	140 150 / 140 175	Nosler® Ballistic Tip® Nosler® Partition Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Hollow Point
x64	PRT270WB PRP270WD ★ R7MSR1 R7X642 R7M081 R7M082	140 150 / 140 175 140 120	Nosler® Ballistic Tip® Nosler® Partition Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt®
x64 mm-08 Remington	PRT270WB PRP270WD ★ R7MSR1 R7X642 R7M081 R7M082 - PRB7M0BRA	140 150 / 140 175 140 120 140	Noster® Ballistic Tip® Noster® Partition Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Hollow Point Pointed Soft Point, Boat Tail Noster® Ballistic Tip® Pointed Soft Point Core-Lokt®
s64 mm-08 Remington	PRT270WB PRP270WD ★ R7MSR1 R7X642 R7M081 R7M082 - PRB7M08RA PRT7M08RA	140 150 140 175 140 120 140	Noster® Ballistic Tip® Noster® Partition Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Hollow Point Pointed Soft Point, Boat Tail Noster® Ballistic Tip® Pointed Soft Point Core-Lokt®
x64 mm-08 Remington	PRT270WB PRP270WD ★ R7MSR1 R7MSR1 R7X642 R7M081 R7M082 PRB7M08RA PRT7M08RA R280R3 †	140 150 / 140 175 140 120 140 140	Nosler® Ballistic Tip® Nosler® Partition* Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Hollow Point Pointed Soft Point Core-Lokt® Hollow Point Nosler® Ballistic Tip®
s64 mm-08 Remington	PRT270WB PRP270WD ★ R7MSR1 R7MSR1 R7X642 R7M081 R7M082 PRB7M08RA PRT7M08RA R280R3 + R280R1 +	140, 150 / 140 175 140 120 140 140 140 150	Noder® Ballistic Tip® Noder® Partition Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Hollow Point Pointed Soft Point, Boat Tail Noder® Ballistic Tip® Pointed Soft Point Core-Lokt®
x64 mm-08 Remington	PRT220WB PRP270WD PRP270WD PRP270WD R7MSR1 R7X642 R7M081 R7M082 PRB7M08RA PRT7M08RA R280R3 + R280R1 + R280R2 + PRB280RA PRT280RA	140, 150 / 140 175 140 120 140 140 140 150 165 140, 140	Noder® Ballistic Tip® Noder® Partition* Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft point Core-Lokt® Pointed Soft point Core-Lokt® Hollow Point Pointed Soft Point, Boat Tail Noder® Ballistic Tip® Pointed Soft Point, Boat Tail Noder® Ballistic Tip® Pointed Soft Point Core-Lokt® Pointed Soft Po
x64 mm-08 Remington 80 Remington	PRT270WB PRPZ70WD PRPZ70WD PRPZ70WD PRPZ70WD PRPZ70WD PRPZ70WD PRPZ70WB1 PRPM682 PRPZ7M687A PRPZ7M687A RZ6073 + RZ6073 + RZ6073 + PREZ607A PRPZ807A PRPZ807A PRPZ807A	140, 150 / 140 175 140 120 140 · 140 150 165 140 , 140 150	Noder® Ballistic Tip® Noder® Partition Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Hollow Point Pointed Soft Point Core-Lokt®
x64 mm-08 Remington	PRT220WB PRP270VD R7MSR1 R7MSR1 R7MSR2 R7MG81 R7MG82 PRB7MG8A PRT7MG8A R28GR3 + R28GR3 + R28GR3 + R28GR4 PRT28GRA PRT28GRA R7MM3	140, 150 / 140 175 140 120 140 · 140 150 165 140 , 140 150 175	Noder® Ballistic Tip® Noder® Ballistic Tip® Noder® Partition* Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Soft Pointed Soft Point Core-Lokt® Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Boat Tall Noder® Ballistic Tip® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt®
x84 mm-08 Remington 80 Remington mm Remington Mag.	PRT200WB PRP270WD # PRP270WD # R7MSR1 R7MSR2 R7MG81 R7MG82 PRB7MG8RA H260R3 + R260R1 + R260R3 + R260R1 + R260R3 + R260R4 R7MM2 R7MM2 R7MM3	140, 150 / 140 175 140 120 140 · 140 150 165 140 · 150 175 140	Noder® Ballistic Tip® Noder® Partition* Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Hollow Point Noder® Ballistic Tip® Pointed Soft Point, Boat Tail Noder® Ballistic Tip® Pointed Soft Point Core-Lokt®
x64 mm-08 Remington	PRT200VB PRP270VID + R7MSR1 R7MSR1 R7X642 R7M081 R7M082 R7M082 PR7M08RA PR7T20RA R280R3 + R280R3 + R280R3 + PR7280RA PRT280RA PRT280RA PRT280RA PRT280RA PRT280RA R7MM3 R7MM4	140, 150 / 140 175 140 120 140 140 150 165 140 150 175 140 175	Noder® Ballistic Tig® Nosler® Partition* Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Hollow Point Pointed Soft Point Core-Lokt® Nosler® Ballistic Tig® Pointed Soft Point Core-Lokt® Swift A-Fraint® JSP®
mm Mauser (7x57) x54 mm-03 Remington 280 Remington	PRT200WB PRP270WD PRP270WD PRP270WD PRP270WD PRP270WD PRP270WD PRP270WB PRP260R PRP260	140, 150 / 140 175 140 120 140 140 140 150 165 140 150 175 140 175	Noder® Ballistic Tip® Noder® Partition* Pointed Soft Point Core-Lokt®
x84 mm-08 Remington R80 Remington mm Bernington Mag.	PRT200WB PRP270WD PRP270WD R7MSR1 R7MSR1 R7MGR2 R7MGR3 R7MGR3 R7MGR3 R7MGR3 R2G0R3 + R2G0R3 + R2G0R3 + R2G0R3 + R2G0R3 + R2G0R4 R7MMSRA R7MMSRA R7MMSRA R7MMSRA R7MMSRA R7MMSRA PRF7MMRA PRF7MMRA PRF7MMRA PRF7MMRA PRF7MMRA	140, 150 / 140 175 140 120 140 140 150 165 140, 150 175 140 150 175 140 160 160 140	Noder® Ballistic Tig® Noder® Partition* Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Hollow Point Pointed Soft Point Core-Lokt®
x84 mm-08 Remington R80 Remington mm Bernington Mag.	PRT200WB PRP270WD PRP270WD PRP270WD PRP270WD PRP270WD PRP270WD PRP270WB PRP260R PRP260	140, 150 / 140 175 140 120 140 140 140 150 165 140 150 175 140 175	Noder® Ballistic Tip® Noder® Partition* Pointed Soft Point Core-Lokt®

				(ft./sec.)					Energy	(ftlbs.)					Short-ran	ige¹ Traject	ory"				Lana-	-range ² Traj	ectory*			Barrel
lumber		. <u> </u>	s. 200 yds.					100 yds.	200 yds	300 yds	400 yd	ls. 500 yds.	50 yd:	. 100 yds.	150 yds.	200 yds.	250 yds	. 300 yds.	100 yd:	s. 150 yds		250 yds.	300 yds.	400 yds.	. 500 yds.	
71/2	4040	3284	2644	2086	1606	1235	906	599	386	242	143	85	-0.3	0.3	zero	-1.3	-3.B	-7.8	1.8	2.3	1.8		-3.3	-16.6	-43.6	24"
61/2	2590	2042	1502	1128	948	840	723	417	225	127	90	70	-0.1	zero	-2.1	-7.1	-16.0	-30.0	1.4	zero	-4.3	-12.4	-25.8	-74.2	-162.0	24"
61/1	2690	2042	1502	1123	948	840	723	417	225	127	90	70	-0.1	zero	-2.1	-7.1	-16.0	-30.0	1.4	zero	-4.3	-12,4	-25.8	-74.2	-162.0	
91/2	3780	3158	2617	2135	1710	1357	1586	1107	760	506	325	204	-0.2	0.3	zera	-1.4	-4.0	-8.2	0.4	3.0	zero	-2.3	-6.2	-20.1	+46.1	24"
9'/2	3780	3321	2908	2532	2185	1866	1586	1224	939	711	530	387,	0.3	0.3	zero :	<u>-1.2</u> 1.	-7-3.3	-6.7	0.8	0.9	zero	-1.9	-5.0	15.4	-33.2	24
7'/2 7'/2	3140 3140	2635	2123	1700	1350	1107	1094	752 771	500 529	321	202	136	0.1 0.1	0.7	zero	-2.3 -2.2	-6.5 -6.2	-13.1 -12.5	1.9	1,7	zero	-3.6	-9.7 -9.2	-31.7 -29.6	-72.8 -67.1	24*
7/2	3140	2744	2380	2045	1740	7.2	1094	836	:629	351 464	336	240	0.1	0.6	Zero	-2.2	-5.4	-10.7	1.8	1.6	zero	-3.5 -3.0	-7.8	23.9	-51.7	. 24
71.	3300	2889	2514	216B	1851	1568		927	701	522	330	273	-0.1	0.5	zero	-1.7	-4.8	-9.4	-0.1	1.3	zero	-2.6	-6.9	-21.2	-45.8	24°
71/2	3240	2747	2304	1905	1554	1270	1282	921	648	443	295	197	-0.1	0.6	zero	-2.0	-5.6	-11.2	1.6	1.5	zero	-3.1	-8.2	-26.2	-58.6	, 21
7'/2	3240	2773	2352	1969	1627	1341	1282	939	675	473	323	220	-0.1	0.6	zero	-1.9	-5.4	-10.7	1.5	1,4	zero	-3.0	-7.9	-24.8	-55.1	24"
7'/2	3240	2759	2326	1933	1587	1301	1282	929	660	456	307	207	-0.1	0.6	zero	-1.9	-5.5	-11.0	1.6	1,5	zero	-3.1	-8.1	-25.5	-57.0	
71/2	3025	2572	2162	1792	1471	1217	1260	911	643	442	298	204	D.2	0.7	ZEFD	-2.3	-6.5	-12.9	1.9	1.7	zero	-3.6	-9.4	-29.9	-66.4	24"
91/2	3680	3137	2656	2222	1832	1493	1654	1201	861	603	410	272	-0.2	0.3	zero	-1.4	-4.0	-8.1	1.9	2.4	1.8	zero	-3.3	-15.5	-38.3	
91/2	3680	3209	2785	2400	2046	1725	1654	1257	947	703	511	363	-0.2	0.3	zero	-1.3	-3.7	-7.4	1.8	2.2).7	zero	-3.0	-13.7	-32.8	24"
91/21	3725	3272	2864	2491	Jan 2147	1832		1188	910	689			-0.3	0.3	3 zero .		% -3.5		3 47	2.1		zero	-2.8	-12.8	-30.4	
91/2	3350	2955	2593	2259	1951	1670	1993	1551	1194	906	676	495	-0.1	0.5	zero	-1.6	-4.5	-8.8	2.2	2.7	2.0	zero	-3.5	-15.8	-37.3	
91/2	3350	2955	2593	2259	1951	1670	1993	1551	1194	906	676	495	-0.1	0.5	zero	-1.6	-4.5	-8.8	2.2	2.7	2.0	zero	-3.5	-15.8	-37.3	
91/2	2960	2697 .*3065	2449	2215	1993 26 2248	1786	1945	1564	1332	1089	882	708	0.1	0.7	zero	-2.0	-5.4	-10.4	1.6	1.5	zero	-2.9	-7.5	-22.1	-45.4	24
9/2	2960	2720	2492	2275	2069	1875	1945	1642	1282 1378	1044	950	671 - 5 780	0.1 0.1	0.4	zero zero	-1.4 -1.9	33.40 · -5.3	7.8 -10.1	2.0	3.2	2.3	zero ::>	-3.0 -3.8	-13.3 -16.6	-30.6; -37.6	سنستنب
91/2	3120	2871	2635	2411	2199	1997	1946	1647	1388	1162	966	797	-0.1	0.5	zero	-1.7	-3.3 -4.5	-8.9	1.4	1.3	zero .	-2.5	-6.4	-18.8	-38.3	
91/2	3100	2829	2573	2332	2104	1889	2133	1777	1470	1207	983	792	-0.1	0.6	zero	-1.8	-4.8	-9.3	1.4	1.3	zero	-2.6	-6.7	-19.6	-40.8	
9/2	3400 V	3088	2797	2524	2267	2026	1925	1587	× 1303 S	-1061		683	0.1	70.4	zero 🤃	39-14-4		and the last of th	er i γ. 19.	(2.3)	3 w/2.5	zero te	3.0	13.1	30.1	24
91/2	3100	2852	2617	2394	2183	1982	2134	1806	1521	. 1273	1058	872	-0.1	0.5	zero	-1.7	4.7	-9.0	1.4	1.3	zero	-2.6	-6.5	مىتىنىنىنى 19.1 -	-38.9	
6'/2	1460	1194	1030	931	858	797	407	272	203	165	141	121	zero	-3.5	-13.2	-30.0	-54.7	-89.1	zero	-7.9	-22.9	-45.8	-78.5	-173.0	-315.5	24"
972	2820	2504	2210	1936	1684	1461	1765	1392	1084	832	630	474	-0.1	zero	-1.3	-4.1	-8.7	-15.3	2.0	1.8	zero	-3.6	-9.2	-27.7	-58.6	24*
91/2	2650	2291	1961	1663	1404	1199	1824	1363	999	718	512	373	-0.1	zero	-1.6	-5.2	-10.5	-19.5	2.6	2.3	zero	-4.1	-11.7	-36.1	-78.2	24*
91/2	3230	2893	2580	2287	2014	1762	2316	1858	1478	1161	901	689	-0.1	0.5	zero	-1.7	-4.6	-9.1	1,3	1.3	zero	-2.6	-6.6	-19.8	-41.7	
91/2	2990	2730	2484	2252	2032	1825	2382	1985	1644	1351	1100	887	0.1	0.6	zero	-1.9	-5.2	-10.1	1.6	1.4	zero	-2.8	-7.2	-21.4	-44.1	24
91/2	2550	2353	2164	1984	1814	1654	2021	1720	1456	1224	1023	850	-0.1	zero	-1.5	-4.8	-9.9	-17.0	2,4	2.1	zero	-3.9	-9.3	-27.0	-57.8	24"
91/2	. 2875	2669	2473	` 2285	2105	1934	2294	1977	1697		. 1230		0.2	0.7	zero	-2.0	-5.4	-10.4	1.71	1.5	zero	-2.9	-7.4	-21.4	-43.4	<u> </u>
91/2	2750	2544 2688	2347 2494	2158	1979	1812	2351	2011 1924	1712	1448	1217		0.3	0.8	zero	-2.3	-6.1	-13,7	1.9	1.7	zero	-3.3	-8.3	-24.0	-47.2 -42.5	24*
91/2 91/2 M	2890 3030	2782	2548	2326	2114	1962	2226 - 2854	2406	1657 2018	1682	1210	1025	0.2	0.7	ZC10	-2.0	-5.4 -5.0	-10.2 -9.6	1.7	1.5	zero	-2.9 -2.7	-7.3 -6.9	-21.1 -20.2	-42.5 -41.3	24*
91/2	3320	2924	2561	2225	1916	1636	2448	1898	1456	1099	815	594	-0.1	0.5	zero	-1.6	-4.6	-9.1	2.3	2.8	2.0	Zero	-3.6	-16.2	-38.5	
91/2	3060	2776	2510	2259	2022	1801	2702	2225	1818	1472	1180	936	0.1	0.6	zero	-1.8	-5.1	-9.8	1.5	1.4	2010	-2.8	-7.0	-20.9	-43.3	
91/2	3060	2802	2559	2329	2110	1904	2702	2267	1890	1565	1285		-0.1	0.6	zero	-1.8	-4.9	-9.5	15	1.3	zero	-2.7	-6.8	-20.0	-41.1	
91/2	2850	2504	2183	1886	1518	1385	2705	2087	1587	1185	872	639	0.3	0.8	zero	-2.4	-6.7	-13.0	2.0	1.8	zero	-3.6	-9.4	-28.6	-61.2	24"
91/2	2925	2652	2394	2152	1923	. (1711 e).	2659	2186	.1782	3 r 1439	- 1150	910	. 0.2	10.7	zero	-21	5.6	-10.9	1.7	1.5	zero	+3.1 %	-7.8	-23.2	-48.0	7.78
91/2	2960	-2749	2548	2355	2171	1995	2723	2349	2018	1. 1724	1465	1237	0.1	0.6	zero	1.9	-5.1	-9.7	+ + 1.6	1.4	zero	-2.7	-6.9	-20.1	-40.7	
91/2	2960	2754	2557	2366	2187	2014	2724	2358	2032	1743	1487	1262	0.1	0.6	zero	-1.9	-5.0	-9.7	. 1.6	1.4	zero	-2.7	-6.9	-20.0	-40.3	
9%	2850	2652	2463	2282	2108	1942	2705	2343	. 2021	1734			0.2	0.7	zero .	-2.0	+5.5	-10.5	1.7	1.5	zero	3.0	-7.5	~21.6	-43.6	
91/2	2650	2435	2221	2018	1827	1648	2199	1843	1533	1266	1037	844	-0.1	zero	-1.4	-4.4	-9.1	-15.8	2.2	1.9	zero	-3.6	-9.2	-27.4	-55.3	24"
9'/2	2650	2445	2248	2061	1883	1716	2728	2322	1964	1650	1378		-0.1	zero	-1,4	-4.3	-9.0	-15.6	2.2	1.9	zero	-3.6	-9.1	-26.4	-53.5	24*
9'/2	2860	2625 2725	2402	2189	1988	1798	2542	2142 1979	1793	1490	1228		0.2	0.7	zero	-2.1	-5.7	-11.0	1.8	1.6	ZEFO	-3.1	-7.8	-22.9	-46.8 -44.9	
3/1	3000	2656	2460	2223	1992	1923	2398 2542	2192	1621	1316	1058		0.1	0.6	zero	-1.9 -2.0	-5.3 -5.5	-10.2 - 10.5	1.6	1,4	zero	-2.9	-7.3 -7.5	~21.7	-43.9	24"
91/2	2860	2670	2488	2313	2145	1923	2542	2217	1925	1663	1431	1150 1224	0.2	0.7	zero	-2.0	-5.4	-10.5	1.7	1.5 1.6	zero	-3.0 -2.9	-7.3	-21.7 -21.2	-4J.9 -42.6	7.5
31/2	3000	2758	2528	2309	2102	1905	2543	2363	1925	1657	1373	1128	0.2	0.6	zero	-1.9	-5.4	-9.8	1.7	1.6	zero	-2.9	-7.0	-21.2	-42.0	
31/2	2890	2624	2373	2135	1912	1705	2781	2293	1875	1518	1217		0.1	0.7	ZETO	-2.1	-5.8	-11.2	1.8	1.6	zero	-3.1	-8.0	-20.5	-42.0 -48.8	
9'/2	2820	2510	2220	1950	1701	1479	2913	2308	1805	1393	1060		-0.1	zero	-1.3	-4.1	-8.6	-15.2	2.0	1.8	zero	-3.6	-9.1	-27.4	-57.8	24"
1/2	.3000	2789	2588	2395	2211	2035	2797	2418	2081	. 1783	1519		* 0.1	1. D.G	zero	1.8	4.9		.900 . 1.5	1.4	zero	-2.7	-6.7	-19.5	-39.4	
31/2	3000	2804	2616	2436	2263	2097	2799	2445	2128	1848	1593		0.1	0.6	zero	-1.8	-4.8	-9.2	1.5	1.3	zero	-2.6	-6.8	-19.0	-38.2	
91/2 M	3110	2830	2568	2320	2085	1866	3221	2667	2196	1792	1448	1160	-0.1	0.5	žero	-1.6	-4.6	-9.0	1.3	1.2	zero	-2.5	-6.6	-20.2	-43.4	
1/2 M	2860	2645	2440	2244	2057	1879	3178	2718	2313	1956	1644		0.2	0.7	zero	-2.1	-5.6	-10.7	1.7	1.5	zero	-3.D	-7.6	-22.1	-44.8	
91/2 M	3175	2923	2684	2458	2243	2039	3133	2655	2240	1878	1564		-0.1	0.5	zero	-1.6	-4.4	-8.5	2.2	2.6	1.9	zero	-3.2	-14.2	-32.0	24*
9/2M/1	2900	2659	2430	2212	2003	1312)	2937	2511	2097	7 N N 7 (9)	1430		038	0.7		C2.0		+100		119		≓800°	<i>=7.</i> 6	220	#CONT	
91/2 M	2950	2752	2563	2381	2207	2040	3091	2690	2333		11730		0.6					-6.9			-1.9	-5.0	-9.6	-23.6	-44.6	/ -
415 M . 25	\$#3175 ×	2956	2747 s ²	2547	2356	2174	71 3133	2715	2345										(1) my 10 22		1.6	zero	-3.1	13.4		7
				. 2542	2367	2200 .	3222	2825	2470	2152	1867	. 1612	-0.1	0.5	.zero _	-1.6	-4.3	-8.3	1.2	A172	zero	-2.3	-5.9	-17.3	34.8	- 1
9½ M 9½ M	3110 3325	3064	2818	2585	2364	2153	3436	2918	2468	2077	1737	1441	-0.1	0.4	zero	-1.4	-3.9	-7.6	2.0	2.4	1.7	zero	-2.9	-12.8	-28.8	24*



Premier® Ultra Mag Premier® Ballistic Tip® Premier® Safari Grade Premier® Boat Tail Premier® Partition® Premier® Varmint

FOOTNOTES:

Specifications are nominal, Ballistics figures established in test barrels. Individual riiles may vary from test-barrel specifications.

inches above or below line of sight. Hold low for positive numbers, high for negative numbers, high for negative numbers.

† 280 Renn and 7mm Express® Remington are interchangeable.

‡ Interchangeable in 244 Remington.

Bullet does not rise more than I above line of sight from mazzle to sighting-in range. 2 Bullet does not rise more than 3" above line of sight from muzzle to sighting-in range

NOTE: "zero" indicates yardage at which rifle was sighted in.

VENTED TEST-BARREL BALLISTICS

This Remington® patented, industry-accepted method provides data that more precisely reflect actual use of revolver ammunition. It considers cylinder gap, barrel length, powder position, and production tolerances. Although our final values differ from conventional figures, the ammunition is unchanged. Key elements of our patented procedure include: (a) horizontal powder orientation; (b) cylinder gap: .008"; (c) barrel length: 4".

INTERCHANGEABILITY CHART

Cartridges within groups shown are interchangeable. Other substitutions should not be made without specific recommendation of the firearms manufacturer since improper combinations could result in firearm damage or personal injury.

22 W.R.	F.
22 Rem	ngton Special
22 Win.	Model 1890 in a .22 Win. Mag. Rimfire
but n	ot conversely
_	
	RPIRE
	Remington
25-20 V	
25-20 5	
	Vin. High Speed
25-20 i	
25 W.C.	
	n. (80 & 90 grain)
244 Rei	
25 Auto	
	, Colt Pistol (ACP)
25 (6.3	5mm) Automatic Pistol
	Browning
7mm Ex	press® Remington
280 Re	
30-30 8	av.
30-307	Vin.
30-30 7	Vin. Accelerator* (SEE NOTE A)
30-307	tarlin
30-30 7	Vin. High Speed
30 W.C.	E.
32 Colt	Automatic
32 Auto	. Colt Pistol (ACP)
32 (7.6	5mm) Automatic Pistol
7.65mm	Automatic Pistol
7.65mm	Browning (not interchangeable
	with 7.65mm Luger)

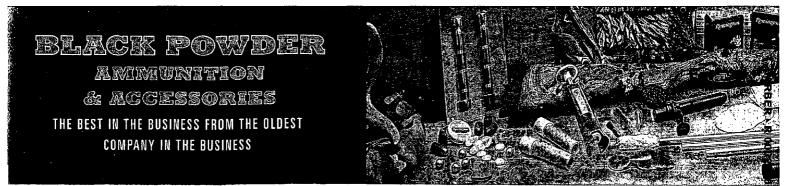
.32 Short Colt in .32 Long Colt but not conversely
(SEE NOTE C)
.32 S&W in .32 S.& W. Long but not conversely
.32 S&W Long
.32 Colt New Police
.32 Colt Police Positive
.32 W.C.F. (SEE NOTE A)
.32 Win. (SEE NOTE A)
.32-20 Win. High Speed (SEE NOTE A)
.32-20 Colt L.M.R
.32-20 W.C.F (SEE NOTE G)
.32-20 Win. and Marlin
.38 S.&W.
.38 Colt New Police
.380 Webley
38 Colt Special
.38 S&W Special
.38 Special Targetmaster®
.38 S&W Special Mid-Range (SEE NOTE D)
.38 Special (+P) (SEE NOTE B)
.38-44 Special (+P) (SEE NOTE B)
.38 Special
.38 Special Flat Point
.38 Short Colt in .38 Long Colt but not conversely.
Both can be used in .38 Special
.38 Marlin
.38 Win. (SEE NOTE A)
.38 Remington (SEE NOTE A)
.38-40 Win.
38 W.C.E. (SEE NOTE A)

38 Automatic in	
but not conve	rsely
380 Automatic	
	hert (Corto Kurz)
mm Luger (SEE	NOTE E)
9mm Parabellum	
44 S&W Special	(SEE NOTE F)
44 Marlin	
44 Win.	
44 Remington	
44-40 Win.	
44 W.C.F	
45-70 Governm	ent
45-70 Marlin, W	Vin.
45-70-405	
NOTE A: High-s evolvers. They sho rially for them.	peed cartridges must not be used in old be used only in rifles made espe-
tamp is loaded to l	nition with (+P) on the case head- higher pressure. Use only in firearms cartridge and so recommended by the
NOTE C: Not for SEW or .32 SEW	use in revolvers chambered for .32 Long.
NOTE D: All .38 357 Magnum rev	Special cartridges can be used in alvers but not conversely.
NOTE E: 900m si oe used in handgur	ab-machine gun cartridges should not 18.
NOTE F: .44 Rus used in .44 Remin versely.	ssian and .44 S&W Special can be gton Magnum revolvers but not con-

NOTE G: Not to be used in Win. M-66 and M-73.

Caliber	Index/EDI Number	Wt. (grs.)	Bullet Style
30 Carbine	R30CAR	110	Soft Point
30-30 Win, Accelerator®	R3030A	55	Soft Point
30-30 Win.	R30301	150	Saft Point Care-Lokt®
	R30302	170	Soft Point Core-Lokt®
	R30303	170	HOHOW FORM CDIE-COXIV
300 Savage	830SV3	180	
	R30\$V2	150	Pointed Soft Point Core-Lox
30-40 Krag	R30402	180	Pointed Soft Point Core-Lok
308 Win.	R308W1	150	Pointed Soft Point Care-Loke
	R308W2	180	Soft Point Core-Lokt®
	R308W3	180	Pointed Soft Point Core-Loke
\$ 4 . 28 m . 4	∵PRP308WB★	180	Nosler® Partition®
TO ME POWER TO THE PROPERTY OF THE	R308W7	168	Boat Tail HP Match
	PRB308WA	165	Pointed Soft Point, Boat Ta
20.00.5	PRT308WB	165	Nosler® Ballistic Tip®
30-06 Springfield Accelerator		55	Pointed Soft Point to
30-06 Springfield	R30061 R30062	125 150	Pointed Soft Point Core-Loke
	R30063	150	Bronze Point*
	R3006B	165	Pointed Soft Point Core-Loke
	R30064	180	Saft Point Care-Lokt®
	R30065	180	Pointed Soft Point Care-Lokt
	R30066	180	Bronze Point*
	R30067	220	Soft Point Core-Lokt®
The second second			Swift A-Frame PSP
	PRP3006A *	180	Nosler® Partition®
Charles .	PRB3006SA.	165	Pointed Soft Point, Boot Tail
en men mente anno sea :	PRT3006A	150	Nosler® Ballistic Tip®
	PRT3006B	165	Noster® Ballistic Tip®
300 Win. Mag.	R30CW1	150	Pointed Soft Point Core-Lokte
	R300W2	180	Pointed Soft Point Care-Lokt
	PRP300WA★	180	Nosler® Partition®
	PRT300WA *	180	Noster® Ballistic Tip®
A PART OF THE PARTY	RS300WA	220023	Swift A-Frames PSP
10 10 10 10 10 10 10 10 10 10 10 10 10 1	PRB300WA	190	Pointed Soft Point, Boat Tail
300 Wby. Mag.	R30CWB1	180	Pointed Soft Point Core-Lokt®
	RS3COWBB'	200	Swift A-Frame PSP
Section Section Section 1	. PRB300WBA	190	Pointed Soft Point, Boat Tail
300 Remington Ultra Mag	PR300UM15	4180	Nosler Partition 2
		180	Saft Point Core-Lokt®
303 British	R30381		
7.62x39mm	R30381 R762391	125	Pointed Soft Point
7.62x39mm 32-20 Win.		100	Lead
7.62x39mm 32-20 Win. 32 Win. Special	R762391 R32201 R32WS2		Lead Soft Point Core-Lokt®
7.62x39mm 32-20 Win. 32 Win. Special Brim Remington Mag 1818	R762391 R32201 R32WS2	100 170 200 _j /s	Lead Soft Point Core-Lokt® Swift A-Frame - PSR
7.62x39mm 32-20 Win. 32 Win. Special Brim Remington Mag \$12/25 Brim Mauser	R762391 R32201 R32WS2 RS8MMRA R8MSR	100 170 200g/s 170	Lead Soft Point Core-Lokt Swift A Frame PSR Soft Point Core-Lokt
7.62x39mm 32-20 Win. 32 Win. Special Brim Remington Mag 1912; 25 8mm Mauser	R762391 R32201 R32WS2 RS8MMRA R8MSR R338W1	100 170 200 30 170 225	Lead Soft Point Core-Loke Swift A Frame PSPR Soft Point Core-Loke Pointed Soft Point Core-Loke
7.62x39mm 32-20 Win. 32 Win. Special Brim Remington Mag等政治 Brim Mauser 338 Win. Mag.	R762391 R32201 R32WS2 RS8MMRA R8MSR R338W1 R338W2	100 170 200 j.s 170 225 250	Lead Soft Point Core-Lokt Swift'A Frame - PSR Soft Point Core-Lokt Pointed Soft Point Core-Lokt Pointed Soft Point Core-Lokt
7.62x39mm 32-20 Win. 32 Win. Special Brim Remington Mag \$12/25 Brim Mauser	R762391 R32201 R32WS2 RSBMMRA R8MSR R338W1 R338W2	100 170 200 170 225 250 225	Lead Soft Point Core-Lokt® Swift?AE Frames - PSR® Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Swift AE Frames - PSP
7.62x39mm 32-20 Win. 32 Win. Special Brim Remington Mag等政治 Brim Mauser 338 Win. Mag.	R762391 R32201 R32WS2 RS8MMRA R8MSR R338W1 R338W2 KRS338WA PRT338WB	100 170 200 s 170 225 250 225 200	Lead Soft Point Core-Lokt® Soft Point Core-Lokt® Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Soint A Panie, 1999 Nosle® Ballistic Tip®
7.62x39mm 32-20 Win. 32 Win. Special Brim Remington Mag 513, 32 Brim Mauser 336 Win. Mag.	R762391 R32201 R32WS2 R58MMRA R8M5R R338W1 R338W2 x√R5338W2 PRT338WB PRP338WC★	100 170 200,8 170 225 250 225 200 210	Lead Soft Point Core-Lokt® Soft Point Core-Lokt® Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Noster® Ballistic Tip® Noster® Ballistic Tip® Noster® Partition®
7.62x39mm 32-20 Win. 32 Win. Special Brim Remington Mag 513, 32 Brim Mauser 336 Win. Mag.	R762391 R32201 R32WS2 RSBMMRA R8MSR R338W1 R338W2 AR5338WA PKT338WB PRF338WC★ R35R1	100 170 200 170 225 250 225 200 210 150	Lead Soft Point Core-Lokt® Soft Point Core-Lokt® Soft Point Core-Lokt® Pointed Soft Foint Core-Lokt® Pointed Soft Foint Core-Lokt Swift A France; PSP Noster® Ballistic Tip® Noster® Partition® Pointed Soft Foin: Core-Lokt®
7.82±39mm 12-20 Win. 32 Win. Special Brim Returnington Mag 9132,18 Brim Mauser 338 Win. Mag.	R762391 R32201 R32WS2 ** RSBMMRA R8MSR R338W1 R338W2 ** R5338WA PRT338W8 PRT338W8 ** R538WC ★ R35R1 R35R2	100 170 200 ₆ % 170 225 250 225 200 210 150 200	Lead Soft Point Core-Loke* Soft Point Core-Loke Soft Point Core-Loke Foint Core-Loke Fointed Soft Foint Core-Loke Fointed Soft Foint Core-Loke Soft Point Core-Loke Fointed Soft Foint Core-Loke
/ SZ229mm 32-20 Win. 32 Win. Special simi Reminigton Mag SI32, 13 338 Win. Mag. 35 Reminigton	R762391 R32201 R32W52 R58MMRA R8M5R R338W1 R338W2 ★15338W4 PR7338W8 PR7338W6 PR7338W6 R35R1 R35R2 R35WH1	100 170 200,8 170 225 250 225 200 210 150 200 200	Lead Soft Point Core-Lokt® Soft Point Core-Lokt® Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Soft Point Core-Lokt® Soft Point Core-Lokt® Nosler® Ballistic Tip® Nosler® Partition® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt® Pointed Soft Point Core-Lokt®
7.822.5mm 12-20 Win. 12-20 Win. Special Britin Reinington Mag \$152,35 Britin Mauser 138 Win. Mag 135 Remington	R762391 R32201 R32201 R32W52 SRSPMMRA R3M5R R338W1 AFS338W2 AFS338W2 AFS338W4 PR7338W6 PR7338W6 R35R1 R35R1 R35W1 R35W1 R35W1 R35WH1	100 170 200 170 225 250 225 200 210 150 200 200 250	Lead Soft Point Core-Loke Swift Parine; #SPR Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Noster® Ballistic Tip® Noster® Parintion® Noster® Parintion® Pointed Soft Point Core-Loke Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Pointed Soft Point
/ S22.5mm 32.20 Win. 32.10 Win. Special 33.10 Win. Special 33.10 Win. Special 33.10 Win. Special 33.10 Win. Mag. 33.10 Win. Mag. 35. Remington 35. Wheten 37.5 H&H Mag.	R762391 R32201 R32W52 R58MMRA R8MSR R338W1 R338W2 	100 170 200 170 225 250 225 200 210 150 200 200 250 270	Lead Soft Point Core-Loke* Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Pointed Soft Point
1,622,5mm 12-20 Win. 13 Win. Special 13 Win. Special 13 Win. Special 13 Win. Special 13 Win. Mag. 13 Remington 13 Win. Mag. 14 Whelen 15 Whelen 16 Whelen 17 High Mag.	R762391 R32201 R32W52 RS8MMRA R8MSR R338W1 R338W2 R3589V2 R5581 R35R1 R35R1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W3 R35W1 R35W3 R35W1 R35W3	100 170 200 170 225 250 225 200 210 150 200 200 250 270 300 ,	Lead Soft Point Core-Loke Swith Al-Fraine, 7-SPR Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Nosler® Ballistic Tip® Nosler® Partition® Nosler® Partition® Pointed Soft Point Core-Loke Soft Point Soft Point Soft Point Soft Point Soft Point
7.8225mm 12-20 Win. 12-20 Win. 12-20 Win. 13-20 Win. 13	R762391 R32201 R32W52 R36MMRA R8MSR R338W1 R338W2 x, R5338WA PR7338WB PR7338WC ★ R35R1 R35R2 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1 R35W1	100 170 200 170 225 250 225 200 210 150 200 200 250 270 300	Lead Soft Point Core-Loke Switz-AF Frame; PSPA Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Noster® Ballistic Tip® Noster® Partition® Pointed Soft Point Core-Loke Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Swift AFrame*, PSP, No. 100
7.62.43mm 32 Win. Special 33 Win. Special 36 Win. Special 36 Win. Mag 336 Win. Mag 336 Win. Mag 35 Remington 35 Wheten 375 H6H Mag 375 H6H Mag	R762391 R32201 R32W52 RS9MMRA R8M5R R338W1 R338W2 - R5338WA PR7338W8 PR7338W8 PR7338W8 R35R1 R35R1 R35W11 R35W11 R35W11 R35W11 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35F1 R35W13 R35W13 R35W13 R35W13 R35W14 R35W13 R35W1	100 170 200 170 225 250 225 200 210 150 200 250 270 300 , 400	Lead Soft Point Core-Lokt® Soft Point Core-Lokt® Soft Point Core-Lokt® Pointed Soft Foint Core-Lokt® Pointed Soft Foint Core-Lokt® Pointed Soft Foint Core-Lokt® Soft Point Core-Lokt® Soft Point Core-Lokt® Fointed Soft Foint Core-Lokt® Soft Point Core-Lokt® Fointed Soft Foint Core-Lokt® Fointed Soft Foint Fointed Soft Foint Soft Point Soft Foint Soft
7.8225mm 12-20 Win. 12-20 Win. 12-20 Win. 13-20 Win. 13	R762391 R32W52 R32W52 R35MMRA- R8MSR R338W1 R338W2 PR338W0 PR338W0 PR338W0 PR338W0 PR358W1 R35R1 R35R1 R35R2 R35R3 R35R	100 170 200 170 225 250 225 200 210 150 200 250 270 300 , 400 240	Lead Soft Point Core-Loke Swift Parine; #589 Soft Point Core-Loke Swift Parine; #589 Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Noster® Ballistic Tip® Noster® Paritison® Noster® Paritison® Pointed Soft Point Core-Loke Soft Point
7.62.43mm 32 Win. Special 33 Win. Special 36 Win. Special 36 Win. Mag 336 Win. Mag 336 Win. Mag 35 Remington 35 Wheten 375 H6H Mag 375 H6H Mag	R762391 R32WS2 R58MMRA R8MSR R338WT R338WZ R338WZ R5338WZ R5338WZ R5338WZ R5338WZ R358H1 R35WH1 R35	100 170 200 170 225 250 225 200 210 150 200 250 270 300 400 200 240 240	Lead Soft Point Core-Loke* Soft Point Core-Loke* Soft Point Core-Loke* Soft Point Core-Loke* Pointed Soft Point
7.62.43mm 32 Win. Special 33 Win. Special 36 Win. Special 36 Win. Mag 336 Win. Mag 336 Win. Mag 35 Remington 35 Wheten 375 H6H Mag 375 H6H Mag	R 782931 R 782931 R 782952 S 7859MMA R 7838W1 R 7838W1 R 7838W4 R 78338W4 R 78338W4 R 78338W4 R 78338W4 R 78338W4 R 78338W4 R 7835W1 R 78	100 170 200 170 225 250 225 200 215 200 200 250 200 250 200 200 240 240 240 210	Lead Soft Point Core-Loke Swift VA Frame, PSP Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Nosler® Ballistic Tip® Nosler® Partition® Pointed Soft Point Core-Loke Soft Point
7.822.8mm 12-20 Win. 12-20 Win. 12-20 Win. 12-20 Win. 13-20 Win. Mag. 13-20 Win. Mag. 13-20 Win. Mag. 13-20 Win. Mag. 13-20 Win. Mag. 13-20 Win. Mag. 14-20 Win. 14-20 Win. 14-20 Win.	R 762931 R 782031 R 782052 R	100 170 200 225 250 200 200 200 200 20	Lead Soft Point Core-Loke Switt-Parine; PSPR Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Noster® Ballistic Tip® Noster® Partition® Noster® Partition® Pointed Soft Point Core-Loke Soft Point
7.62.45mm 32 Win. Special 33 Win. Special 36 Win. Special 36 Win. Mag 336 Win. Mag 336 Win. Mag 35 Remington 35 Wheten 375 H&H Mag 375 H&H Mag 48 Remington Mag 49 A Remington Mag 49 A Remington Mag 40 A Remington Mag 40 A Remington Mag 416 Rehington Mag 416 Rehington Mag 417 Remington Mag 418 Remington Mag 418 Remington Mag 418 Remington Mag 419 A Remington Mag 419 A Remington Mag 410 A Remington Mag 410 A Remington Mag 410 A Remington Mag 411 A Remington Mag 411 A Remington Mag 411 A Remington Mag 412 A Remington Mag 413 A Remington Mag 414 A Mar 415 Remington Mag 415 Remington Mag 416 Remington Mag 417 A Remington Mag 417 A Remington Mag 418 Remington Mag 418 Remington Mag 419 A Remington Mag 419 A Remington Mag 419 A Remington Mag 419 A Remington Mag 410 A Remington Mag 411 A Remington Mag 411 A Remington Mag 411 A Remington Mag 411 A Remington Mag 412 A Remington Mag 412 A Remington Mag 413 A Remington Mag 414 A Remington Mag 415 A Remington Mag 415 A Remington Mag 416 A Remington Mag 417 A Remington Mag 417 A Remington Mag 417 A Remington Mag 417 A Remington Mag 418 A Remington Mag 418 A Remington Mag 418 A Remington Mag 418 A Remington Mag 41	R 782931 R 782931 R 782952 R	100 170 200 170 225 250 200 200 200 200 200 20	Lead Soft Point Core-Loke Soft Point Core-Loke Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point
7.822.8mm 12-20 Win. 12-20 Win. 12-20 Win. 12-20 Win. 13-20 Win. Mag. 13-20 Win. Mag. 13-20 Win. Mag. 13-20 Win. Mag. 13-20 Win. Mag. 13-20 Win. Mag. 14-20 Win. 14-20 Win. 14-20 Win.	R 762931 R 782031 R 782045 R	100 170 200 225 250 200 200 200 200 20	Lead Soft Point Core-Loke Switt-Parine; PSPR Soft Point Core-Loke Soft Point Core-Loke Pointed Soft Point Core-Loke Pointed Soft Point Core-Loke Noster® Ballistic Tip® Noster® Partition® Noster® Partition® Pointed Soft Point Core-Loke Soft Point

nber			200 yds.		400 yds.					300 yds.		s. 500 yds.		s. 100 yds	. 150 yds			. 300 yds.	100 yds-	150 yds.	200 yds.		300 yds		. 500 yds.	Barrel Length
2	1990	1567	1236	1035	923	842	967	600	373	262	208	173	0.6	Zero	-4.2	-12.9	-27.2	-48.6	zero	-4.2	-12.9	-27.2	-48.6	-116.6	-225.5	20*
2	3400	2693	2085	1570	1187	986	1412	886	521	301	172	119	-0.1	0.6	zero	-2.2	-6.2	-13.2	1.7	1.6	zero	+3.5	-9.9	-34.3	-83.3	24"
	2390	1973	1505	1303	1095	974	1902	1296	858	565	399	316	0.2	zero	-2.4	-7.6	-16.1	-28.8	1.6	zero	-4.3	-12.1	-24.0	-64.2	-133.2	
	2200	1895 1895	1619	1381	1191	1061	1827	1355	989	720	535	425 425	0.3	zero	-2.7	-8.3 -8.3	-17.1 -17.1	-29.9 -29.9	1.8	zero	-4.6 -4.6	-12.6	-24.5	-62.6	-125.3	24"
_	2350	2025	1728	1467	1252	1098	2207	1639	1193	720 860	535 626	482	0.3	zero zero	-2.3	-8.3 -7.1	-14.7	-25.9	1.8	zero	-4.0	-12.6 -10.9	-24.5 -21.3	-62.6 -54.8	-125.3 -110.3	24*
	2630	2354	2095	1853	1631	1432	2303	1845	1462	1143	806	685	-0.1	Zero	-1.5	-48	-10.1	-176	2.4	2.1	ZE/0	-4.1	-10.4	-30.9	-54.6	
	2430	2213	2007	1813	1632	1468	2360	1957	1610	1314	1064	861	0.1	zero	-1.8	-5.6	-11.6	-18.6	1.2	zero	-3.2	-8.5	-15.0	-39.9	-76.7	24*
	2820	2533	2263	2009	1774	1560	2648	2137	1705	1344	1048	810	-0.1	zero	-1.2	-3.9	-8.4	-14.7	2.0	1.7	zero	-3.4	-8.6	-26.2	-54.8	
_	2620	2274	1955	1666	1414	1212	2743	2066	1527	1109	799	587	-0.1	zero	-1,7	-5.3	-10.7	-19.7	2.6	2.3	zero	-4.1	-11.8	-36.3	-78.2	
	2620	2393	2178	1974	1782	1604	2743	2288	1896	1557	1269	1028	-0.1	zero	-1.5	-4.6	-9.5	-16.5	2.3	2.0	zero	-3.8	-9.7	-28.3	-57.8	24*
	2620	2436	2259	2089	1927	1774	2743	2371	2039	1774	1485	1257	-0.1	zero	-1.4	4.4	-9.1	-15.6	2.2	1.9	zero	-3.6	-9.0	-26.0	-52.4	
	2680	2493	2314	2143	1979	1823	2678	2318	1998	1713	1460	1239	-0.1	zero	-1.3	-4.1	-8.5	-14.7	2.1	1.8	zero	-3.4	-8.6	-24.7	-49.9	
:	2700	2497 2613	2303	2117	1941	1773	2670	2284	1942 1995	.1642 1711	1379	1152	-0.1	, zero	-1.3 -1.3	-4.1	-8.5 -6.4	-14.8	2.0	-1.8	zero	-3.4	-8.6 -8.4	-25.0 -24.3	-50.6 -48.9	
	4080	3484	2964	2499	2080	1706	2033	1482	1073	763	528	355	-0.4	zero 0.2		-1.0	-3.0	-6.2	1.4	1.7	zero 1.4	-J.3 žero	-8.4	-12.2	-30.0	24*
	3140	2780	2447	2138	1853	1595	2736	2145	1662	1269	953	706	-0.1	0.6	zero	-1.9	-5.2	-10.1	1.4	1.8	zero	-2.8	-7.4	-22.4	-47.6	
<u>'</u>	2910	2617	2342	2083	1843	1622	2820	2281	1827	1445	1131	876	0.2	0.7	Zero	-2.2	-5.9	-11.4	1.8	1.6	zero	-3.2	-8.2	-24.4	-50.9	
	2910	2656	2416	2189	1974	1773	2820	2349	1944	1596	1298	1047	0.2	0.7	zero	-2.0	-5.6	-10.8	1.7	1.5	zero	-3.0	-7.7	-22.7	-46.6	
	2800	2534	2283	2047	1825	1621	2872	2352	1909	1534	1220	963	0.3	0.8	zero	-2.3	-6.3	-12.1	2.0	1.7	zero	-3.4	-B.7	-25.9	-53.2	
	2700	2348	2023	1727	1466	1251	2913	2203	1635	1192	859	625	-0.1	zero	-1.5	-4.9	-10.3	-18.3	2.4	2.1	zero	-4.3	-11.0	-33.8	-72.8	
	2700	2469	2250	2042	1846	1663	2913	2436	2023	1666	1362	1105	-0.1	zero	-1.3	-4.2	-8.8	-15.4	2.1	1.8	zera	-3.5	-9.0	-26.3	-54.0	24"
	2700	2485 2130	22B0 1870	2084 1632	1899	1725	2913	2468	1708	1736	988	1189 758	-0.1	zero	1.3	-4.2	-8.7	-15.0	2.1	1.8	zero	-3.5	-B.B -18.4	-25.5 -46.4	-52.0 -91.6	
		2130	12243	2032	1833	1246	2817		2010	1301 \$7,1650	1343	758	0.1	zero -	-2.0	-6.2	-12.9 6.9	-22.4 -15.4	1.3	zero 1.8	-3.5 200	-9.5 -3.6	-18.4	-46.4 -26.6	-91.6 -54.4	
78(30)	2700	2512	.2332	2160	1995	1837	2913	2522	2174	1854	1590	1349	-0.1	zero	-1.3	-40	-8.4	-14.4	2.0	1.7	zero ,	-3.3	-8.4	-24.3	-48.9	******
1		2592	2394	2204	2023	1852	2872	2462	2100 .	1780	1500	1256	0.2	0.8	2010	-2.2	-5.8	-11.2	1.8	1.6	zero	-3.1	-7.9	-23.0	-46.6	17.
	2910	2696	2492	2298	2112	1934	2821	2422	2070	1769	1485	1247	0.1	0.7	zero	-2.0	-5.3	-10.2	1.5	1.5	200	-2.9	-7.3	-21.1	-42.8	
	2800	2609	2426	2249	2080	1919	2873	2494	2155	1854	1588	1350	0.2	. 0.8	zero	-2.1	~5.7	-10.9	1.8	1.6	zero	-3.1	-7.7	-22.3	-45,0	
М	3290	2951	2636	2342	2068	1813	3605	2900	2314	1827	1859	1565	0.1	0.6	zero	-1.9	-5.1	-9.8	1.6	1.4	zero	-2.8	-7.0	-20.2	-41.0	
М	2960	2745	2540	2344	2157	1979	3501	3011	2578	2196	1424	1095	-0.1	0.5	seto	-1.6	-4.4	-8.7	2.2	2.6	1.9	zero	-3.4	-15.0	-34.4	
М		2725	2503	2291.	2089	1898	3501	2968	2503	2087	1744	1440	0.1	0.6	zero	-1.9	-5.2	-10.0	1.6	1.4	zero	-2.8	-7.2	-20.9	-42.7	
M	2960	2774	2595	2424	2259	2100	3501	3075	2692	2348	2039	1762	0.1	0.6	zero	-1.8	-4.9	-9.4	1.5	1.4	zero	-2.6	-6.7	-19.3	-38.7	24
M Sec	2885 2885	2595 里 2691	2376 2 2506	2167 3 2327	1970 2156	1783 (1982) (1993)		3055	2648	2285	1722	1675	0.1	0.8 €	∠€, zero zero	-2.2 -2.0	\$5-59 -53	-10.1	76 - 18 18 1.6	1.5	zero	-3.2 -2.9	-8.0 -7.2	-23.5 -20.8	-47.9 -41.9	19. July
M.	3120	2866	2627	2400	2184	1979	3890	3284	2758	2301	1905	1565	-0.1	0.5	2em	-1.7	-3.3	-8.9	2.4	2.8	2.0	2010	-3.4	-14.9	-33,6	<u> </u>
													10 N. P. Land of Lat 17 25			1220	3 W. Cale .							170		24
M / No.		26901	652467	2254	2052 ···	21861 S # 22 8 A	3799 🛪	3213	2701	2022256±	18/0		43 YAN 1000 D. 1.	2. C.7.	Lie zero d	±8°2.0 ∵		7 10.4 N	223 222	23.2	5 N 2.3	zero z	. 3.9			
M.			2638	2254 d 2455	2279	2110	3873 3873	3378 3378	2701	2542	2190	1878	-0.1 -0.1	0.7		2.0 -1.7			1.4			-2.6	-6.4	-18.6		
M	3030	2830	2638	2455		2110	3873	3378		2542	.2190	1878	° ~0.1	0.6	zem	.,2 -1.7.	4.7.	-9.0	2.8 2.8 3 1.4 2.4 1	_ 3.1.3	zero	-2.6	´`-6.4	-18.6	37.6	
M M	3030 3030 3250 2460	2830 23037 2124	2638 2834 1817	2455 226405 1542	2279	2110	3873	3378	.2936 3201 1319	2542	2190 62407 687	1878	° ~0.1	0.6	zem zero) -2.0	1.7. 1.6.2 -5.8	-4.7 44-4-314 -13.2	-9.0 -0.5 8.2 4 -23.3	1.4.5 2013 1.3	_ 3.1.3	zero 118 g -3.1	-2.6 zero -9.9	-6.4 -19.3	-18.6 -12:7 -49.9	-37.6 22.28.5 -100.8	24 24
M M	3030 3250 2460 2365	2830 3037/ 2124 2062	2638 2834 1817 1783	2455 426405 1542 1533	2279 2454 1311 1320	2110 22276 1137 1154	3873 4221 A 2418 1552	3378 33686 1803 1180	2936 3201 1319 882	2542 2786 950 652	2190 62407 687 483	1878 2071 517 370	0.1 0.1 0.1	2610 zero	zem zero). -2.0 -2.2	-1.7 -5.8 -6.7	-13.2 -14.0	-9.0 -23.3 -24.5	1.5	zero zero	-3.1 -3.8	-2.6 zero -9.9 -10.4	-6.4 -19.3 -20.1	-18,6 -12,7 -49,9 -51,3	-37.6 -128.5 -100.8 -102.5	24 24 24
M	2925 3030 3250 2460 2365 1210	2830 2037/2 2124 2062 1021	2638 2834 1817 1783 913	2455 \$2640\$5 1542 1533 834	2279 2458 1311 1320 769	.2110 22276 1137 1154 712	3873 4221 2418 1552 325	3378 33686 1803 1180 231	2936 3201 1319 882 185	2542 2286 950 652 154	2190 2407 687 483 131	1878 20712 517 370 113	0.3 0.3 0.1 0.1 zero	20.6 20.6 20.0 20.0 20.0 -5.9	-2.0 -2.0 -2.2 -20.0	-1.7 -5.8 -6.7 -43.3	-13.2 -14.0 -77.4	-9.0 -23.3 -24.5 -122.4	1.3 1.5 200	226 zero zero -11.1	-3.1 -3.8 -31.6	-2.6 zero -9.9 -10.4 -62.8	-6.4 -19.3 -20.1 -104.7	-18,6 -12:7 -49.9 -51,3 -226.7	-37.6 -100.8 -102.5 -410.6	24" 24" 24" 24"
M M	2925 3030 3250 2460 2365 1210 2250	2830 3037 2124 2062 1021 1921	2638 2834 8 1817 1783 913 1626	2455 \$2640\$5 1542 1533 834 1372	2279 2453 1311 1320 769 1175	.2110 .2276 .1137 .1154 .712 .1044	3873 4221 2418 1552 325 1911	3378 3686 1803 1180 231 1393	2936 3207 1319 882 185 998	2542 22868 950 652 154 710	2190 687 483 131 521	1878 2071 517 370 113 411	0.1 0.3 0.1 0.1 zero 0.3	20.6 20.6 20.0 20.0 20.0 20.0 20.0 20.0	-2.0 -2.2 -2.0 -2.2 -20.0 -2.6	-1.7 -5.8 -6.7 -43.3 -8.0	-13.2 -13.2 -14.0 -77.4 -16.7	-23.3 -24.5 -122.4 -29.3	1.3 1.5 2ero 1.7	zero zero zero -11.1 zero	-3.1 -3.8 -31.6 -4.5	-2.6 -9.9 -10.4 -62.6 -12.4	-6.4 -19.3 -20.1 -104.7 -24.1	-18.6 -12.7 -49.9 -51.3 -226.7 -62.1	-37.6 -100.8 -102.5 -410.6 -125.3	24° 24° 24° 24° 24°
M M	2925 3030 3250 2460 2365 1210 2250	2830 3037 2124 2062 1021 1921	2638 2834 8 1817 1783 913 1626	2455 4526408 1542 1533 834 1372 (×2115	2279 2450 1311 1320 769 1175	2110 2226 1137 1154 712 1044 -1672	3873 4221 2418 1552 325 1911	3378 3686 1803 1180 231 1393	2936 3201 1319 882 185 998	2542 22868 950 652 154 710 3.1987		1878 2071 517 370 113 411	0.1 0.1 0.1 2ero 0.3	20.6 zero zero -5.9 zero	2ero -2.0 -2.2 -20.0 -2.6	-1.7 -5.8 -6.7 -43.3 -8.0	-13.2 -14.0 -77.4 -16.7	-9.0 // -23.3 -24.5 -122.4 -29.3	1.3 1.5 zero 1.7	zero zero -11.1 zero	-3.1 -3.8 -31.6 -4.5	-2.6 -9.9 -10.4 -62.6 -12.4 (3, 7-3.1	-6.4 -19.3 -20.1 -104.7 -24.1	-18,6 4 -127 -49,9 -51,3 -226,7 -62,1	-37.6 -100.8 -102.5 -410.6 -125.3	24' 24' 24' 24' 24' 5 > 24'
M SE	2925 3030 3250 2460 2365 1210 2250 2360	2830 2124 2062 1021 1921 2623 1969	2638 2834 8 1817 1783 913 1626 (22361) 1622	2455 526408 1542 1533 834 1372 × 2115	2279 2453 1311 1320 769 1175 -1885 7 1123	2110 22276 1137 1154 712 1044 1672	3873 4221 2418 1552 325 1911 3734 2	3378 13686 1803 1180 231 1393 3054	2936 3201 1319 882 185 998 (42476 993	2542 22868 950 652 154 710 13, 1987 671	2190 687 483 131 521 71577 476	1878 2071 517 370 113 411 21241 375	0.1 0.1 0.1 2ero 0.3 0.2	20.6 20.6 20.0 20.0 20.0 -5.9 20.0 20.7 20.0	2ero 2ero) -2.0 -2.2 -20.0 -2.6 -2.4	-1.7. -5.8 -6.7 -43.3 -8.0 -7.6	-13.2 -14.0 -77.4 -16.7 5.8 -16.1	-9.0 // -23.3 -24.5 -122.4 -29.3 -24.6 -28.6	1.3 1.5 2ero 1.7 1.8	2.6 zero zero -11.1 zero -2.1.6 -44 zero	-3.1 -3.8 -31.6 -4.5	-2.6 2er0 -9.9 -10.4 -62.6 -12.4 -7.3.1 h	-6.4 -19.3 -20.1 -104.7 -24.1 -2.8.0 -23.7	-18,6 49,9 -51,3 -226,7 -62,1 -23,9 -62,8	-37.6 -100.8 -102.5 -410.6 -125.3 -64.49.6 -128.9	24' 24' 24' 24' 24' 5 > 24'
M SS	2925 3030 2460 2365 1210 2250 2900 5 2360 2780	2830 3037 2124 2062 1021 1921 2623 1969 2572	2638 2834 5 1817 1783 913 1626 (2361) 1622 2374	2455 4526408 1542 1533 834 1372 (×2115	2279 2450 1311 1320 769 1175	.2110 2276 1137 1154 712 1044 1672 × 556 997 1832	3873 4221 2418 1552 325 1911	3378 3686 1803 1180 231 1393	2936 3201 1319 882 185 998	2542 2786 950 652 154 710 13 1987 671 2383		1878 2071 517 370 113 411	0.1 0.1 0.1 2ero 0.3	20.6 20.6 20.0 20.0 20.0 -5.9 20.7 20.7 20.7 20.0	2ero -2.0 -2.2 -20.0 -2.6	-1.7 -5.8 -6.7 -43.3 -8.0	-13.2 -14.0 -77.4 -16.7	-9.0 -23.3 -24.5 -122.4 -29.3 -211.2 -28.6 -11.4	1.3 1.3 1.5 2ero 1.7 1.8 1.8 1.8	zero zero -11.1 zero -16.6	-3.1 -3.8 -31.6 -4.5	-2.6 -9.9 -10.4 -62.6 -12.4 -7.3.1 -12.0 -3.2	-6.4 -19.3 -20.1 -104.7 -24.1	-18,6 4 -127 -49,9 -51,3 -226,7 -62,1	-37.6 -100.8 -102.5 -410.6 -125.3 -51-49.6 -128.9 -47.5	24' 24' 24' 24' 24' 5 > 24'
M S)	2925 3030 3250 2460 2365 1210 2250 2360	2830 3037 2124 2062 1021 1921 2623 1969 2572 2456	2638 2834 1817 1783 913 1626 (\$2361) 1622 2374 2261	2455 526408 1542 1533 834 1372 22115 1333 2184	2279 2454 1311 1320 769 1175 1885 1123 2003	2110 22276 1137 1154 712 1044 1672	3873 4220 2418 1552 325 1911 3734 2102 3860 3927	3378 3686 1803 1180 231 1393 3054 1463 3305 3348	2936 3201 1319 882 185 998 (2476 993 2815	2542 950 652 154 710 3 1987 671 2383 2389	2497 687 483 131 521 7.1577 476 2004 1999	1878 20712 517 370 113 411 21241 375 1676 1663	-0.1 0.1 0.1 2ero 0.3 -10.2 -0.3	20.6 20.6 20.0 20.0 20.0 -5.9 20.0 20.7 20.0 20.0 20.0 20.0 20.0 20.0	-2.0 -2.0 -2.2 -20.0 -2.6 -2.4 zero -1.4	-1.7 -5.8 -6.7 -43.3 -8.0 -7.6 -2.1 -7.6 -2.2 -4.3	-13.2 -14.0 -77.4 -16.7 -5.8 -16.1 -5.9 -8.9	-9.0 // -23.3 -24.5 -122.4 -29.3 -24.6 -28.6	1.3 1.3 1.5 2ero 1.7 1.8 1.6 1.9 2.1	2.6 zero zero -11.1 zero zero 1.7 1.9	-3.1 -3.8 -31.6 -4.5 -4.4 zero	-2.6 2er0 -9.9 -10.4 -62.6 -12.4 -7.3.1 h	-6.4 -19.3 -20.1 -104.7 -24.1 -7.4.0 -23.7 -8.1 -8.9	-18.6 -12.7 -49.9 -51.3 -226.7 -62.1 -23.9 -62.8 -23.4 -25.0	-37.6 -100.8 -102.5 -410.6 -125.3 -51-49.6 -128.9 -47.5	24 24 24 24 24 24 24 24 24
M S)	2925 3030 3250 2460 2365 1210 2250 2360 2360 2780 2660	2830 3037 2124 2062 1021 1921 2623 1969 2572 2456	2638 2834 1817 1783 913 1626 (\$2361) 1622 2374 2261	2455 52640% 1542 1533 834 1372 22115 1333 2184 2075	2279 2454 1311 1320 769 1175 1885 1123 2003 1898	.2110 .2276 .1137 .1154 .712 .1044 .1672	3873 4220 2418 1552 325 1911 3734 2102 3860 3927	3378 3686 1803 1180 231 1393 3054 1463 3305 3348	2936 3201 1319 882 185 998 (2476 993 2815 2837	2542 950 652 154 710 3 1987 671 2383 2389	2407 687 483 131 521 7.1577 476 2004 1999	1878 20712 517 370 113 411 21241 375 1676 1663	0.1 0.3 0.1 2ero 0.3 0.2 0.2 -0.3 -0.1	20.6 20.6 20.0 20.0 20.0 -5.9 20.0 20.7 20.0 20.0 20.0 20.0 20.0 20.0	-2.0 -2.0 -2.2 -20.0 -2.6 -2.4 zero -1.4	-1.7 -5.8 -6.7 -43.3 -8.0 -7.6 -2.1 -7.6 -2.2 -4.3	-14.7 -13.2 -14.0 -77.4 -16.7 -5.8 -16.1 -5.9 -8.9 -8.5 -5.2	-9.0 /9.0 /9.0 /9.0 /9.3 -24.5 -122.4 -29.3 -24.6 -11.2 -28.6 -11.4 -15.4 -10.0	1.3 1.3 1.5 2ero 1.7 1.8 1.6 1.9 2.1	2.6 zero zero -11.1 zero zero 1.7 1.9	-3.1 -3.8 -31.6 -4.5 -4.4 zero zero	-2.6 -9.9 -10.4 -62.6 -12.4 -3.1 -12.0 -3.2 -3.5	-6.4 -19.3 -20.1 -104.7 -24.1 -8.0 -23.7 -8.1 -8.9	-18,6 -49,9 -51,3 -226,7 -62,1 -23,9 -62,8 -23,4 -25,0 -20,8	-37.6 -100.8 -102.5 -410.6 -125.3 -126.9 -47.5 -52.7 -52.7	24° 24° 24° 24° 24° 24° 24°
M M M M M	2925 3030 2460 2365 1210 2250 2360 2360 2780 2660 2785 2950 2830	2830 3037/2 2124 2062 1021 1921 22623 1969 2572 2456 2512 2724 2602	2638 1817 1783 913 1626 2361 1622 2374 2261 2266 2509 2385	2455 1542 1533 834 1372 (*2115 1333 2184 2075 2029 2303 2179	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1983	2100 - 2226 - 22	3873 4221 2418 1552 325 1911 3734 2102 3860 3927 3866 3734	3378 3686 1803 1180 231 1393 3054 1463 3305 3348	2936 3201 1319 882 185 998 42476 993 2815 2837 2565 2795 2653	2542 22863 950 652 154 710 31987- 671 2383 2389 2057- 2357 2214	"2190 2497 687 483 131 521 -1577' 476 2004 1999 21633 1973 1834	1878 20712 517 370 113 411 21241 375 1676 1663	0.1 0.1 0.1 2ero 0.3 0.2 0.2 -0.3 -0.1	20.6 20.6 20.6 20.0 20.0 -5.9 20.0 20.0 20.0 20.0 20.0 20.0	zero -2.0 -2.2 -20.0 -2.6 -2.4 -2.4 -1.4 -1.1	-1.7. -5.8 -6.7 -43.3 -8.0 -7.6 -2.2 -4.3 -1.9 -3.6	-14.7 -13.2 -14.0 -77.4 -16.7 5.8 -16.1 -5.9 -8.9 -8.5 -5.2	-9.0 62 -23.3 -24.5 -122.4 -29.3 -611.2 -28.6 -11.4 -15.4 -16.0	1.3 1.5 2ero 1.7 1.8 1.9 2.1 2.0 1.6 1.16	26 zero zero -11.1 zero zero 1.7 1.9	-2ero 188 -3.1 -3.8 -31.6 -4.5 -4.4 zero zero zero zero	-2.6 -9.9 -10.4 -62.6 -12.4 -3.1 -12.0 -3.2 -3.5 -2.8 -3.1	-6.4 -19.3 -20.1 -104.7 -24.1 -8.0 -23.7 -8.1 -8.9 -7.1 -7.9	-18.6 -49.9 -51.3 -226.7 -62.1 -23.9 -62.8 -23.4 -25.0 -25.2 -20.8 -23.2	-37.6 -100.8 -102.5 -410.6 -125.3 -126.9 -47.5 -52.7 -54.1 -47.4	24' 24' 24' 24' 24' 24' 24' 24' 24'
M M M M M	2925 3030 3250 2460 2365 1210 2250 2360 2780 2780 2780 2785 2850 2830 2830 2300	2830 30372 2124 2062 1021 1921 2623 1969 2572 2456 2572 2724 2602 1874	2638 1817 1783 913 1626 2361 1622 2374 2261 2266 2509 2385 1506	2455 1542 1533 834 1372 (*2115 1333 2184 2075 2029 2303 2179 1218	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1983 1039	2210 ·	3873 4221 2418 1555 325 1911 3734 2102 3860 3927 3821 3866 3734 1762	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3157	2936 3201 1319 882 185 998 42476 993 2815 2837 2565 2795 2653 755	2542 22868 950 652 154 710 3 1987 671 2383 2389 2057 2357 2214 494	2190 2497 687 483 131 521 -1577 476 2004 1999 21633 1973 1834 359	1878 2071 517 379 113 411 1241 375 1676 1663 341286 1641 1508 291	0.1 0.3 0.1 0.1 2ero 0.3 0.2 0.2 -0.3 -0.1 0.1 0.1 0.1 0.1 0.2 0.2 0.2 0.2 0.3	0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	zero -2.0 -2.2 -20.0 -2.6 -2.4 zero -1.4 -1.1 -2.7	-1.75.8 -6.7 -43.3 -8.0 -7.6 -2.1 -7.6 -2.3 -4.0 -1.9 -3.6 -8.6	-4.7 -13.2 -14.0 -77.4 -16.7 -16.1 -5.9 -8.9 -8.9 -5.2 -7.7 -18.2	-9.0 /9.0 /9.0 /9.0 /9.3122.4122.429.328.611.415.410.013.410.013.422.6	1.4	26 zero zero -11.1 zero -1.6 -2 zero 1.7 1.9 1.8 4 -2 1.6 -2 zero 2.7 1.9 1.4 -2 1.6 zero 2.7 2.7 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9		-2.6 2cro -9.9 -10.4 -62.6 -12.6 -12.0 -3.2 -3.5 -2.8 -3.1 -13.7	-6.4 -19.3 -20.1 -19.4.7 -24.1 -8.0 -23.7 -8.1 -8.9 -8.9 -7.1 -7.9	-18,6 -49,9 -51,3 -226,7 -62,1 -23,9 -62,8 -23,4 -25,0 -20,8 -23,2 -20,8 -23,2 -20,8 -23,2 -20,8	: -37.6 28.5 -100.8 -102.5 -410.6 -128.9 -47.5 -52.7 -52.7 -42.4 -47.4 -150.4	24' 24' 24' 24' 24' 24' 24' 24' 24'
M M M M M	2925 3030 3250 2460 2365 1210 2250 22900 2360 2780 2780 2785 2950 2830 2830 2000	2830 30372 2124 2062 1021 1921 2623 1969 2572 2456 2572 2456 2724 2602 1874 1598	2638 1817 1783 913 1626 2361 1622 2374 2261 2266 2509 2385 1506 1376	2455 26400 1542 1533 834 1372 (× 2115 1333 2184 2075 2003 2179 1218 1140	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1983 1039 1001	210 ·	3873 4221 2418 1552 325 1911 3734 2102 3860 3927 3821 3866 3734 1762 1921	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3157 1169 1280	2936 3201 1319 882 185 998 (22476 293 2815 2837 2795 2653 755 841	2542 2286 950 652 154 710 3 1987 671 2383 2389 2057 2257 2214 494 577	2190 687 483 131 521 476 2004 1999 1833 1973 1834 359 445	1878 2071 517 370 113 411 1241 375 1676 1663 341286 1641 1598 291 369	0.1 0.3 0.1 2ero 0.3 0.2 0.2 0.2 -0.3 -0.1 0.1 0.2 0.3	0.6 0.6 2ero zero -5.9 2ero 0.7 2ero 0.8 2ero	2em -2.0 -2.0 -2.2 -20.0 -2.6 -2.4 -2.4 -1.4 -1.2 -2.7 -3.5	-1.7 -5.8 -6.7 -43.3 -8.0 -7.6 -2.1 -7.6 -2.2 -4.3 -1.9 -3.6 -8.6 -10.7	-4.7 -13.2 -14.0 -77.4 -16.7 -5.8 -16.1 -5.9 -8.9 -8.9 -7.7 -18.2 -22.6	-9.0 / 82	1.3 1.5 2ero 1.7 1.7 1.8 1.9 1.9 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	26 zero zero -11.1 zero -17.1 -19 -118 -11.4 -1.6 zero zero zero -17.1 -19 -17.1 -19.1 -17.1 -19.1 -17.1 -19.1 -17.1 -19.1 -17.1 -19.1 -17.1 -19.1 -17.1 -19	-3.1 -3.8 -31.6 -4.5 -4.5 -4.5 -4.7 -4.0 -2.0 -2.0 -2.0 -2.0 -4.9 -6.1	-2.6 72(0) -9.9 -10.4 -62.6 -12.4 -3.1 -12.0 -3.2 -3.2 -3.5 -2.8 -3.1 -13.7 -16.7	-6.4 -19.3 -19.3 -20.1 -104.7 -24.1 -24.1 -8.0 -23.7 -8.9 -6.8 -7.1 -7.9 -27.1 -33.0	-18,6 -49,9 -51,3 -226,7 -62,1 -23,9 -62,8 -23,4 -25,0 -20,8 -23,2 -20,8 -23,2 -20,8 -23,2 -20,8 -23,2 -20,8 -23,2 -20,8 -23,2 -20,8 -	-37.6 -37.6 -37.6 -100.8 -100.5 -410.6 -125.3 -128.9 -47.5 -52.7 -54.7 -47.4 -150.4 -174.8	24' 24' 24' 24' 24' 24' 24' 24'
M M M M M M	2925 3030 3250 2460 2365 1210 2250 2360 2780 2660 2785 2950 2850 2830 2000 2000 2000	2830 30378 2124 2062 1021 1821 2623 1969 2572 2456 2512 2724 2602 1874 1698 2378	2638 2634 1817 1783 913 1626 2361 1622 2374 2266 2509 2385 1506 1376 2100	2455 26400 1542 1533 834 1372 2115 1333 2184 2075 2009 3 2179 1218 1140 1842	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1983 1039 1001 1506	2210 · · · · · · · · · · · · · · · · · · ·	3873 2218 2418 1552 325 1911 3734 2102 3866 3734 1762 1921 3177	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3157 1169 1280 2510	2936 3201 1319 882 185 998 42476 293 2815 2837 2565 2795 2653 755 841 1958	2542 2266 950 652 154 710 3 1987 671 2383 2389 2057 2357 2214 494 577 1506	2190 62492 687 483 131 521 476 2004 1999 1633 1973 1834 359 445	1878 2071 517 370 113 411 375 1676 1663 361286 1641 1508 291 369 869	01 03 01 01 200 03 02 -03 -01 01 01 01 02 03 05 05	2006 2006 2007 2007 2007 2007 2007 2007	200 -2.0 -2.0 -2.6 -2.4 zero -1.4 -1.1 -2.7 -3.5 -1.5	-1.7. -5.8 -5.8 -6.7 -43.3 -8.0 -7.6 -2.2 -4.3 -1.9 -3.6 -1.9 -3.6 -1.9	-4.7 -13.2 -14.0 -77.4 -16.7 5.8 -16.1 -5.9 -8.9 -8.9 -7.7 -18.2 -22.6 -9.9	9.0 / 82 23.3 - 24.5 - 122.4 - 29.3 - 24.6 - 11.4 - 15.4 - 10.0 - 13.4 - 22.6 - 40.1 - 17.3	2014 - 2011 1.3 1.5 200 1.7 1.8 1.9 2.1 2.1 2.1 1.6 1.18 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	2-6 zero zero -11.1 zero -17.1.9 1.9 1.4 -1.4 -1.6 zero zero -2.0	-2ero -3.1 -3.8 -31.6 -4.5 -4.4 -4.4 -2ero -2ero -2ero -4.9 -6.1 -2ero	-2.6 2cro -9.9 -10.4 -62.6 -12.4 -3.2 -3.5 -2.3.5 -2.8 -3.1 -3.7 -16.7 -4.0	-6.4 -700 -19.3 -20.1 -104.7 -24.1 -7.8.0 -8.9 -8.8 -7.1 -7.9 -7.1 -7.3.0 -10.3	-18,6 -49,9 -51,3 -226,7 -62,1 -23,9 -62,8 -23,4 -25,0 -20,8 -23,2 -72,5 -86,6 -30,8	-37.6 -37.6	24' 24' 24' 24' 24' 24' 24' 24'
M SS M M M M M M M M M M M M M M M M M	2925 3030 2250 2460 2365 1210 2250 2360 2780 2660 2785 2850 2830 2000 2675 2400	2830 30378 2124 2062 1021 1921 2623 1969 2572 2456 22172 2724 2602 1874 1598 2378 2197	2638 2834 1817 1783 913 1626 2361 1622 2374 2261 2266 2509 2385 1506 1376 2100 2005	2455 26400 1542 1533 834 1372 2115 1333 2184 2075 2029 3 203 2179 1218 1140 1842 1823	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1998 1001 1506 1652	2216	3873 \$228 2418 1552 325 1911 \$3734 2102 3860 3927 \$327 \$3714 1762 1921 3177 3197	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3157 1169 1280 2510 2680	2936 3201 1319 882 185 998 22476 993 2815 2837 2565 2795 2653 755 841 1958 2230	2542 2286 950 652 154 710 3 1987 671 2383 2389 2057 2257 2214 494 577 1506 1844	2190 687 687 483 131 521 7.1577 476 2004 1999 21633 1973 1834 359 445 1145 1515	1878 2071 517 379 113 411 1241 375 1676 1663 3641 286 3199 369 1242	-0.1 0.1 0.1 0.1 2cro 0.3 0.2 0.3 -0.1 0.1 0.0 0.3 0.5 -0.1	2008 2008 2009 2009 2007 2009 2007 2009 2009 2009	2em 2ero -2.0 -2.0 -2.2 -20.0 -2.6 2ero -1.4 2ero -1.4 21.2 2ero -1.3 -1.1 -2.7 -3.5 -1.5	-1.75.8 -5.7 -43.3 -6.0 -7.6 -2.2 -4.3 -1.9 -3.6 -8.6 -10.7 -4.7 -5.7	-4.7 -13.2 -14.0 -77.4 -16.7 -5.9 -8.9 -8.9 -8.5 -5.2 -7.7 -18.2 -2.2 -9.9 -11.8	-9.0 / -9	1.3 1.5 267 1.7 1.8 1.8 1.9 2.1 1.6 1.18 2.2 2.3 2.3 1.3	2-6 zero zero zero 1.7 1.9 118 22 1.4 1.4 2 zero 22 zero 2.0 zero	- 2ero -3.1 -3.8 -3.16 -4.5 -4.4 -4.4 -4.7 -4.7 -2ero -2ero -2ero -4.9 -4.9 -4.1 -4.1 -4.2 -4.2 -4.3 -4.5	-2.6 22(0) -9.9 -10.4 -62.6 -12.4 -62.6 -12.0 -3.5 -3.5 -2.8 -3.1 -13.7 -16.7 -4.0 -8.6	-6.4 -300 -19.3 -20.1 -104.7 -24.1 -8.0 -23.7 -8.1 -8.9 -7.1 -7.9 -27.1 -33.0 -10.3 -16.6	-18,6 -49,9 -51,3 -226,7 -62,1 -23,9 -62,8 -23,4 -25,0 -20,8 -23,2 -72,5 -86,6 -30,8 -40,0	-37.6 -37.6 -100.8 -100.8 -100.8 -100.8 -410.6 -125.3 -410.6 -126.9 -47.6 -52.7 -52.7 -54.1 -47.4 -150.4 -174.8 -84.9 -76.3	24 24 24 24 24 24 24 24 24 24 24
M Si	2925 3030 3250 2460 2365 1210 2250 22900 2360 2780 2660 2785 2830 2830 2000 2000 2000 2400 2690	2830 30378 2124 2062 1021 1921 1926 2572 2456 2572 2456 2724 2602 1874 1598 2378 2197 2420	2638 2634 1817 1783 913 1626 2374 2261 2266 2509 2385 1506 1376 2100 2005 2166	2455 2640 1542 1533 834 1372 (*2115 1333 2184 2075 2303 2179 1218 1140 1842 1823 1928	2279 2454 1311 1320 769 1175 -1885 1123 2003 1898 2108 1983 1039 1001 1506 1652	2216 1 1177 1154 1157 1154 1157 1154 1154 11	3873 2218 2418 1552 325 1911 3734 2102 3860 3927 3871 3861 1762 1921 3177 3197 4337	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3157 1169 1280 2510 2680 3510	2936 3201 1319 882 185 998 42476 293 2815 2837 2565 2795 2653 755 841 1958	2542 2286 950 652 154 710 3 1987 571 2383 2389 2057 2257 2214 494 577 1506 1844 2228	2190 687 687 483 131 521 7.1577 476 2004 1999 21633 1973 1834 359 445 1145 1515 1747	1878 2071 370 113 411 1241 375 1676 1663 31286 1641 1508 291 369 869 869 1242	-0.1 0.3 0.3 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	206 200 200 200 200 200 200 200 200 200	2em	-1.7 -5.8 -5.8 -6.7 -43.3 -8.0 -7.6 -2.2 -4.3 -1.9 -3.6 -8.6 -10.7 -4.5	-4.7 -13.2 -14.0 -77.4 -16.7 -5.8 -16.1 -5.9 -8.9 -8.9 -8.5 -5.2 -7.7 -18.5 -9.9 -11.8 -9.4	-9.0 ,	1.3 1.3 1.5 2cro 1.7 1.8 1.8 1.9 2.1 2.0 1.8 2.1 2.1 2.3 2.3 2.3 2.3	2.6 zero zero zero zero 1.7 1.9 1.8 2.4 1.4 1.6 zero zero zero 2.0 2.0 2.1 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1	- Zero - 3.1 - 3.1 - 3.8 - 3.1 3.16 - 4.5 - 4.4 - 2ero - 2ero - 2ero - 4.9 - 6.1 - 2ero - 3.2 - 2ero	-26 -260 -9.9 -10.4 -62.6 -12.4 -3.1 -12.0 -3.2 -3.5 -2.8 -3.1 -13.7 -16.7 -4.6 -8.6 -3.8	-6.4 -300 -19.3 -20.1 -104.7 -24.1 -8.0 -23.7 -8.1 -8.9 -7.1 -7.9 -27.1 -33.0 -16.6 -9.7	-18,6 -49,9 -51,3 -226,7 -62,1 -23,9 -62,8 -23,4 -25,0 -20,8 -23,2 -72,6 -86,6 -30,8 -40,0 -28,7	-37.6 -37.6 -100.8 -100.8 -100.8 -100.8 -410.6 -125.3 -410.6 -126.9 -47.6 -52.7 -52.7 -54.1 -47.4 -150.4 -174.8 -84.9 -76.3	24' 24' 24' 24' 24' 24' 24' 24' 24' 24'
M M M M M M M M M M M M M M M M M M M	2925 3030 3250 2460 2365 1210 2250 2360 2780 260 2785 2850 2830 2000 2000 2000 2400 2400 2690 2530	2830 30378 2124 2062 1021 1921 1926 2572 2456 2572 2456 2572 2456 2572 2724 2602 1874 1598 2378 2197 2420 2245	2638 2634 1817 1783 913 1626 2361 1622 2374 2266 2509 2385 1506 1376 2106 2106 2106 2107 2166 2107 2166 2107 2	2455 276408 1542 1533 834 1372 1333 2184 2075 2029 3 2179 1218 1140 1842 1823 1928	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1998 1001 1506 1652	2216	3873 \$228 2418 1552 325 1911 \$3734 2102 3860 3927 \$327 \$3714 1762 1921 3177 3197	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3157 1169 1280 2510 2680 3510	2936 3201 1319 882 185 998 42476 993 2815 2837 2565 2795 2653 755 841 1958 2230 2812	2542 2286 950 652 154 710 2 1987 671 2383 2383 2057 2214 494 577 1506 1844 2228	72190 62407 687 483 131 521 476 2004 1999 21633 1973 1834 359 445 1145 1515 1747	1878 2071 3 517 379 113 411 1241 375 1676 1663 1286 1641 1508 869 1242 1361 1163	**C11*** **C2*** **C2*** **C2*** **C2*** **C2*** **C3*** **C3**	0.6 200 200 200 200 200 200 200 200 200 20	2ero -2.0 -2.0 -2.2 -20.0 -2.6 -2.4 -2.4 -2.7 -1.1 -2.7 -3.5 -1.9 -1.4	-1.75.8 -6.7 -43.3 -8.0 -7.6 -2.1 -7.6 -2.2 -4.3 -1.9 -3.6 -10.7 -4.7 -5.7 -4.5	-4.7 -13.2 -14.0 -77.4 -16.7 5.8 -16.1 -5.9 -8.9 -8.5 -7.7 -18.2 -22.6 -9.4 -9.4	-9.0 / -9.0 / -9.0 / -9.0 / -9.0 / -9.0 / -9.3 / -9	1.3 1.5 267 1.7 1.7 1.8.8 1.9 2.1 2.0 1.6 1.8 2.3 2.3 2.3 2.3 2.3 2.7	2.13 2.66 zero -11.1 zero 2.16	-200 -31.8 -31.6 -4.5 -4.5 -4.4 -4.7 -4.9 -4.9 -6.1 -200 -3.2 -200 -3.2 -200 -3.2 -200 -3.2 -3.2 -3.8 -3.8 -3.8 -3.8 -4.5 -4.5 -3.8 -4.5 -3.8 -4.5 -3.8 -3.8 -4.5 -3.8 -3.8 -3.8 -3.8 -3.8 -3.8 -3.8 -3.8	-26 -2602 -93 -10.4 -62.6 -12.4 -62.6 -12.4 -12.0 -3.2 -3.5 -2.8 -3.1 -13.7 -16.7 -4.0 -8.6 -3.8	-6.4 -300 -19.3 -20.1 -104.7 -24.1 -8.0 -23.7 -8.1 -8.9 -7.1 -7.9 -27.1 -33.0 -10.3 -16.6	-18.6 -19.7 -49.9 -51.3 -226.7 -62.1 -23.9 -62.8 -23.4 -25.2 -20.8 -23.2 -72.5 -86.6 -30.8 -40.0 -28.7	-37.6 -37.6 -100.8 -102.5 -410.6 -125.3 -57.49.6 -126.9 -47.5 -52.7 -52.7 -42.4 -47.4 -150.4 -174.8 -64.9 -76.3 -59.8	24' 24' 24' 24' 24' 24' 24' 24' 24' 24'
M M M M M M M M M M M M M M M M M M M	2925 3030 3250 2460 2365 1210 2250 22900 2360 2780 2660 2785 2830 2830 2000 2000 2000 2400 2690	2830 30378 2124 2062 1021 1921 1926 2572 2456 2572 2456 2572 2456 2572 2724 2602 1874 1598 2378 2197 2420 2245	2638 2634 1817 1783 913 1626 2361 1622 2374 2266 2509 2385 1506 1376 2106 2106 2106 2107 2166 2107 2166 2107 2	2455 2640 1542 1533 834 1372 (*2115 1333 2184 2075 2303 2179 1218 1140 1842 1823 1928	2279 2454 1311 1320 769 1175 1885 1123 2003 1898 2108 1983 1039 1001 1506 1652 1707	2210 ·	3873 22418 1552 325 325 3202 3803 3927 3866 3734 1762 1921 3177 3177 3177 3197 4337 4262	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3157 1169 1280 2510 2680 3510	2936 3201 1319 882 185 998 42476 993 2815 2837 2565 2795 2653 755 841 1958 2230 2812	2542 2286 950 652 154 710 2 1987 671 2383 2383 2057 2214 494 577 1506 1844 2228	72190 62407 687 483 131 521 476 2004 1999 21633 1973 1834 359 445 1145 1515 1747	1878 2071 3 517 379 113 411 1241 375 1676 1663 1286 1641 1508 869 1242 1361 1163	-0.1 0.3 0.3 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.6 200 200 200 200 200 200 200 200 200 20	2ero -2.0 -2.0 -2.2 -20.0 -2.6 -2.4 -2.4 -2.7 -1.1 -2.7 -3.5 -1.9 -1.4	-1.75.8 -6.7 -43.3 -8.0 -7.6 -2.1 -7.6 -2.2 -4.3 -1.9 -3.6 -10.7 -4.7 -5.7 -4.5	-4.7 -13.2 -14.0 -77.4 -16.7 5.8 -16.1 -5.9 -8.9 -8.5 -7.7 -18.2 -22.6 -9.4 -9.4	-9.0 / -9.0 / -9.0 / -9.0 / -9.0 / -9.0 / -9.3 / -9	1.3 1.5 267 1.7 1.7 1.8.8 1.9 2.1 2.0 1.6 1.8 2.3 2.3 2.3 2.3 2.3 2.7	2.6 zero zero zero zero 1.7 1.9 1.8 2.4 1.4 1.6 zero zero zero 2.0 2.0 2.1 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1	-200 -31.8 -31.6 -4.5 -4.5 -4.4 -4.7 -4.9 -4.9 -6.1 -200 -3.2 -200 -3.2 -200 -3.2 -200 -3.2 -3.2 -3.8 -3.8 -3.8 -3.8 -4.5 -4.5 -3.8 -4.5 -3.8 -4.5 -3.8 -3.8 -3.8 -3.8 -3.8 -3.8 -3.8 -3.8	-26 -2602 -93 -10.4 -62.6 -12.4 -62.6 -12.4 -12.0 -3.2 -3.5 -2.8 -3.1 -13.7 -16.7 -4.0 -8.6 -3.8	-6.4 -330 -19.3 -20.1 -104.7 -24.1 -6.9 -8.9 -8.9 -7.9 -27.1 -33.0 -10.3 -10.6 -9.7	-18.6 -19.7 -49.9 -51.3 -226.7 -62.1 -23.9 -62.8 -23.4 -25.2 -20.8 -23.2 -72.5 -86.6 -30.8 -40.0 -28.7	-37.6 -38.5 -102.5 -102.5 -106.6 -125.3 -54.49.6 -128.9 -47.5 -52.1 -42.4 -47.4 -150.4 -17.8 -64.9 -76.3 -53.6 -580.8	24' 24' 24' 24' 24' 24' 24' 24' 24' 24'
M M M M M M M M M M M M M M M M M M M	2925 3030 3250 2460 2365 1210 2250 2260 2780 2660 2785 2950 2850 2900 200 200 200 200 200 200 200 200 2	2830 30378 2124 2062 4021 1921 1926 2572 2456 2513 2724 2602 1874 1598 2378 2197 2420 2245 2245 22125	2638 2634 1817 1783 913 1626 2374 2261 2266 2509 2385 1506 1376 2100 2005 2166 1979 1962	2455 26408 1542 1533 834 1372 2115 1333 2184 2075 2029 3 2303 2179 1218 1140 1842 1823 1928	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1983 1001 1606 1652 1707	2210 10 12 12 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	3873 4721 2418 1552 325 1911 3734 2102 3806 3927 3811 3666 1921 3177 3197 4337 4267 5118	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3195 1169 1280 2510 2680 3510 3352 4201	2936 3201 1319 882 185 998 22476 993 2815 2837 2565 2795 2653 755 841 1958 2230 2812 2608,	2542 2786N 950 652 154 710 1987- 671 2383 2389 2057- 2214 494 577 1506 1844 2228 2001.	72190 62407 687 483 131 521 476 2004 1999 21633 1973 1834 359 445 1145 1747 1523 2214	1978 2071 517 379 113 411 1241 375 1676 1663 1641 1508 291 1246 369 869 1242 1163		0.6 0.6 20.6 20.6 20.6 20.7 20.7 20.7 20.7 20.7 20.7 20.7 20.7	2 zero 2	-17. -58. -67. -43.3 -8.0 -7.6 -2.2 -4.3 -4.0 -1.9 -3.6 -8.6 -10.7 -4.7 -4.7 -4.5 -5.8	-4.7 -13.2 -14.0 -77.4 -16.7 5.8 -16.1 -5.9 -8.8 -5.2 -7.7 -18.2 -22.6 -9.9 -9.4 -9.4	9.0 / 9.0 / 9.2 9.2	1.3 1.5 200 1.7 1.7 1.8 1.8 1.9 1.1 1.6 1.8 1.9 1.8 1.8 1.9 1.8 1.8 1.9 1.9 1.8 1.8 1.9 1.9 1.8 1.8 1.9 1.9 1.8 1.8 1.9 1.9 1.8 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	2.66 zero -11.1 zero -11.6 zero -1.7 1.9 1.8 1.41.6 zero -1.9	- 2ero (188 - 3.1 6 - 3.8 - 31.6 - 4.5 2ero (2ero 2ero 2ero 2ero 2ero 2ero 2ero 2ero	-2.6 -2.6 -2.6 -9.9 -9.9 -10.4 -62.6 -12.4 -5.23 -3.2 -3.2 -3.3 -2.8 -3.1 -13.7 -16.7 -4.0 -8.6 -8.6 -8.8 -4.8 -4.8	-6.4 -330 -19.3 -20.1 -104.7 -24.1 -7.8.0 -23.7 -8.9 -7.1 -7.9 -27.1 -33.0 -10.3 -16.6 -9.7 -10.7	-18.6 61277 -49.9 -49.9 -51.3 -226.7 -62.1 62.23.9 -62.8 -23.4 -25.0 -20.8 -23.2 -72.5 -85.6 -30.8 -40.0 -28.7 -35.0 -24.19	37.6 288.5 100.8 102.5 410.6 1125.3 55.49.6 128.9 -47.5 -52.7 454.1 174.8 -64.9 -76.3 -59.8 53.6 53.6 53.6 53.6 53.6 53.6 53.6 53.6	24' 24' 24' 24' 24' 24' 24' 24' 24' 24'
M SS M M M M M M M M M M M M M M M M M	2925 3030 2250 2460 2365 1210 2360 2360 2780 260 2780 2830 2950 2830 200 2075 2400 2690 275 2400 2530 2400 2530 2400 2530 2400 2530 2760 2760 2775 2775 2775 2775 2775 2775 2775 277	2830 30378 2124 2062 1021 1921 2623 1969 2572 2456 2832 2724 2602 1874 1598 2378 2197 2420 2245 2175 1006 1380	2638 2634 1817 1783 913 1626 2374 2261 2266 2509 2385 1506 1376 2100 2005 2016 1979 1962 900 1114 1114	2455 26402 1542 1533 834 1372 1333 2184 2207 2203 2179 1218 1140 1842 1823 1928 1733 1263 822 970 970	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1983 1001 1506 1552 1707 1512 1679 766 878 878	2210 1226 1317 1327 1327 1327 1327 1327 1327 1327	3873 3873 2418 1552 325 1911 33734 2102 3860 3734 3866 3734 1762 1921 3177 4337 4367 5115 629 1650 1650	3378 3686 1803 1180 231 1393 3054 31463 3305 3295 31165 3295 3157 1169 2510 2680 2510 2680 3510 3685 4201 449 1015 1015	2936 3201 1319 882 185 998 (22476 993 2815 2837 25653 2795 2653 755 841 1958 2230 2812 2608 3419 360 661	2542 2286 950 652 154 710 1987 671 2383 2389 2057 2357 2214 494 577 1506 1844 2228 2003 2760 300 501	2190 2407 687 483 131 521 1577 476 2004 1999 1633 1973 1834 359 445 1145 1515 1747 1523 2274 411 411	1878 2071 370 113 411 1241 375 1676 1663 381286 1941 1508 291 369 1242 1361 1375 217 346 346	- Call - Gall -	50 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.	2 zero zero 2 ze	-1.75.8 -6.7 -43.3 -6.7 -43.3 -7.6 -2.2 -2.3 -40.3 -3.6 -8.6 -8.6 -10.7 -4.7 -5.7 -4.5 -5.4 -5.9 -44.6 -2.1 -2.1 -2.1 -2.1 -2.1 -2.1 -2.1 -2.1	"-4.7 -13.2 -14.0 -77.4 -16.7 5.8 -16.1 -5.9 -8.9 -8.5 -5.2 -7.7 -18.2 -22.6 -9.9 -11.4 -11.4 -212.1 -78.6 -40.6 -40.6	-9.0 / -9.0 / -9.0 / -9.0 / -9.0 / -9.0 / -9.3 / -9.1 / -9.3 / -9.1 / -9.3 / -9.1 / -9.3 / -9.1 / -9.3 / -9.1 / -9.3 / -9.3 / -9.5 / -9	1.3 1.3 1.5 2cro 1.7 1.8 1.8 1.9 2.1 2.0 1.8 1.8 2.3 2.3 2.3 2.3 2.3 2.2 2.7 2.1	2.6 zero zero zero zero zero zero zero zero	200 188 -3.1 -3.8 -31.6 -4.5 -4.4 zero 200 200 200 200 200 200 200 200 200 20	-2.6 -2.6 -2.7 -9.9 -10.4 -62.6 -12.4 -3.1 -12.0 -3.2 -3.5 -2.8 -3.1 -13.7 -16.7 -4.0 -8.6 -8.6 -8.8 -6.4 -6.4 -3.5,4	-6.4 -330 -19.3 -20.1 -104.7 -24.1 -8.0 -23.7 -8.1 -8.1 -7.1 -7.9 -27.1 -33.0 -10.3 -10.6 -10.7 -10.7 -10.7 -10.7 -10.7 -10.7	-18.6 -19.7 -49.9 -51.3 -226.7 -62.1 -23.9 -62.8 -23.4 -25.0 -25.0 -25.0 -25.0 -25.0 -30.8 -40.0 -28.7 -35.0 -41.9 -2143.0 -143.0	-37.6 28.5 -100.8 -102.5 -410.6 -125.3 -51.49.6 -126.9 -47.5 -52.7 -53.11 -42.4 -160.4 -174.8 -64.9 -76.3 -59.8 -69.8 -69.8 -69.8 -69.8 -69.8	24 24 24 24 24 24 24 24 24 24 24 24 24 2
M M M M M M M M M M M M M M M M M M M	2925 3030 3250 2460 2365 1210 2250 2360 2780 2780 2780 2780 2690 2830 2900 2675 2400 2690 2690 2190 1190 1760 1920	2830 30378 2124 2124 1021 1921 1969 2572 2456 2572 2456 2572 2602 1874 1598 2378 2197 2420 2197 2420 1874 1598 2378 2197 2420 2456 2378 2197 2420 2456 2378 2197 2420 2457 2477 2470	2638 2634 1817 1783 913 1626 2374 2261 2266 2399 2385 1506 2100 2005 2168 1979 1962 900 1114 1155	2455 26408 1542 1533 834 1372 1333 2184 2075 2003 2179 1218 1140 1842 1823 1923 1263 622 970 982	2279 2453 1311 1320 769 1175 -1885 -1123 2003 1898 -1898 -1983 1039 1001 1606 1652 1707 756 878 878 880	2210 ·	3873 4218 2418 1552 325 1911 3734 2102 3880 3927 3816 3734 1762 1921 3177 3197 4263 5119 6119 6159 1650 1650 1650 1650	3378 3686 1803 1180 231 1393 3054 31463 3305 3348 3165 3295 3157 1169 2510 2680 3510 2680 3510 449 1015 1017	2936 3201 1319 882 185 998 (42476 993 2815 2837 2795 2653 755 841 1958 2230 2812 2808 3419 360 661 662	2542 2286 950 652 154 710 33 1997 2383 2389 2057 2214 494 577 1506 1844 2260 300 501 450	2190 687 483 131 521 476 2004 1999 1633 1973 1834 445 1145 1515 1515 2214 411 411 361	1878 2071 113 113 1141 115 115 117 115 117 115 115 117 115 115		10 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.	2 zero 1	-1.71.81.81.81.81.81.9.	"-4.7 -13.2 -13.2 -14.0 -77.4 -16.1 -5.9 -8.9 -8.9 -8.5 -7.7 -18.2 -7.7 -11.8 -9.9 -11.8 -9.9 -11.8 -9.9 -11.8 -9.9 -11.8 -9.9 -11.6 -10.6 -10	9.0 , 9.0 ,	1.4	2.1.3	- zero 18 - 3.1 - 3.8 - 31.6 - 4.5	-2.6 -2.6 -2.6 -9.9 -10.4 -62.6 -12.4 -3.1 -12.0 -3.5 -2.8 -3.1 -13.7 -16.7 -4.0 -3.8 -3.8 -4.8 -4.1 -3.1 -3.1 -3.1 -3.1 -3.1 -3.1 -3.1 -3	-6.4 -330 -19.3 -20.1 -104.7 -24.1 -2.4 -8.0 -23.7 -8.1 -8.9 -7.1 -7.9 -7.1 -33.0 -10.6 -9.7 -10.8 -10	-18.6 -12.7 -13.7 -13.7 -13.7 -13.7 -13.7 -13.7 -13.7 -13.7 -13.7 -14.3.0 -13.1.3	-37.6 28.5 -102.8 -102.5 -410.6 -125.3 -5149.6 -128.9 -47.5 -52.7 -52.7 -52.1 -47.4 -47.4 -150.4 -174.8 -64.9 -76.3 -59.8 -23.6 -69.9 -269.9 -269.9 -269.9	24' 24' 24' 24' 24' 24' 24' 24' 24' 24'
M M M M M M M M M M M M M M M M M M M	2925 3030 3250 22460 2365 1210 2360 2780 2780 2780 2780 2830 2830 2830 2830 2850 2850 2850 2850 2850 2850 2850 285	30078 30078 2124 2124 2062 1921 1921 1926 2572 2455 2572 2455 2572 2455 2572 2455 2572 2455 2572 2455 2572 2455 1006 1380 1380 1380 1380	2638 2632 1817 1817 1783 913 1626 482361:- 1622 2374 2261 2266 2260 2385 1506 2005 2166 2160 2005 2166 900 1114 1114 1115 1093	2455 26408 26408 1542 1533 834 1333 2184 2075 2003 2179 2303 2179 1218 1140 1842 1928 1733 1282 970 970 982 976	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1983 1001 1606 1652 1707 1512 1579 756 878 878 880 896	2210 1228 1137 1154 1154 1154 1154 1155 1155 1155 115	3873 2418 1552 1911 3734 2102 3860 3734 3866 3734 1762 1921 3877	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3157 1169 1280 2510 3680 3510 3680 3790 4201 449 1015 1015 1017 1020	2936 3201 319 882 185 998 22476 993 2815 2837 2565 2795 2653 755 841 1958 2230 2812 2608 3409 360 661 661 662 730	2542 2286 950 652 154 710 719 2383 2389 2057 2214 494 577 1506 1844 2228 2001 2000 501 501 501 501 501 501 501	2190 8240 887 483 131 521 476 2004 1999 1633 1973 1834 445 1145 1515 1523 2214 411 411 411 490	1878 2071 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10.00 (10	Zero	-1.75.8 -6.7 -43.3 -8.0 -7.6 -2.2 -4.3 -1.9 -3.6 -8.6 -10.7 -4.7 -4.7 -4.5 -2.3 -4.6 -2.1 -1.9 -3.6 -1.0 -3.6 -1.0 -3.6 -1.0 -3.6 -1.0 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6	-13.2 -13.2 -13.2 -14.0 -77.4 -16.7 -5.8 -8.9 -8.9 -5.2 -2.7.7 -18.2 -22.6 -9.9 -11.8 -77.6 -77.6 -40.6 -40.6 -40.6 -40.6 -40.6 -40.6 -35.1 -35.2	-8.0	1.4 - 24/31 1.5 2.7 1.7 1.8.8.8 1.6 1.9 2.1 2.1 2.1 2.1 2.2 2.3 2.3 2.3 2.3 2.3 2.3 2.6 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	2.0 2ero 3.9 2ero 3.0	- zero 38 -3.8 -3.8 -3.8 -4.5 -4.5 -4.7 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5 -3.2 -3.3 -17.0 -17.7 -19.4	-2.6 -2.6 -2.6 -2.7 -9.9 -10.4 -62.6 -12.4 -12.4 -13.1 -12.0 -3.2 -3.5 -3.5 -3.5 -3.1 -13.7 -16.7 -4.0 -8.6 -3.8 -3.8 -3.8 -3.8 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5	-6.4 -330 -19.3 -20.1 -104.7 -24.1 -8.0 -23.7 -8.1 -8.9 -8.9 -22.1 -7.1 -7.9 -10.3 -16.6 -9.7 -17.0 -10.8 -17.0 -10.5 -5.1 -6.14 -6.1.4 -55.5 -67.5	-18.6 -19.7 -49.9 -51.3 -226.7 -62.1 -62.8 -23.4 -25.2 -20.8 -23.2 -72.5 -86.6 -30.8 -40.0 -28.7 -35.0 -41.9 -21.2 -143.0 -141.3 -141.3 -210.8	-37.6 288.5 -100.8 -100.8 -102.5 -410.6 -125.3 -57.49.6 -128.9 -47.5 -52.7 -54.1 -47.4 -150.4 -174.8 -59.8 -76.3 -59.8 -47.5 -59.9 -68.9 -269.9 -269.7 -280.8	24' 24' 24' 24' 24' 24' 24' 24' 24' 24'
M M M M M M M M M M M M M M M M M M M	2925 3000 2750 2750 2750 2750 2750 2750 2750 2	**2890** **30375	2638 2632 2638 2632 1817 1783 913 1626 2374 2261 2261 2262 2509 2385 2100 2005 2106 1978 1962 1962 1911 1114 1115	2455 26405 26405 26405 1542 1533 834 1372 2115 1333 2184 2075 2202 2303 2179 1218 1140 1842 1823 1928 1928 1733 1263 970 970 982 976 1087	2279 2453 1311 1320 769 1175 11885 1123 2003 1898 2108 2108 1983 1039 1050 1506 1652 1707 756 878 878 880 896 941	2210 ·	3873 2218 1552 325 1911 3734 2102 3866 3927 3874 1762 3874 1762 1921 3177 3197 4267 5118 629 1650 1719 1650 1719 1650 1719 1650 1719 1650	3378 3686 3686 3180 231 1803 231 1393 3054 1463 3305 3348 3165 3165 3185 1280 2510 2680 3510 3680 3510 1015 1015 1015 1017 1027 10	2936 3201 3201 3119 892 185 998 4:2476 993 2815 2837 2565 2795 841 1956 2230 2815 2653 755 841 1956 2230 2815 2663 360 661 661 662 622 730 1010	2542 2286 950 652 154 710 (3.1987 710 (3.1987 2383 2057 23157 2214 494 494 577 1506 1844 2228 2000 300 501 501 501 502 503 501 503 503 503 503 503 503 503 503 503 503	2190 (\$2402) (1878 (207) (187) (-0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	2 zero 2 cools	-1.71.81.86.743.38.02.17.62.24.31.93.68.610.75.74.55.94.12.1.21.91.91.91.91.91.91.91.91.91.91.91.91.91.91.91.91.9.	-13.2 (-14.0) (-13.2 (-14.0) (-13.2 (-14.0) (-	-9.0 ,	1.3 1.5 zero 1.7 1.8 1.8 1.8 1.9 2.1 1.2 2.0 1.8 1.8 2.3 2.3 2.3 2.2 2.7 1.2 2.0 zero 2.0 zero 2.0 zero 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	2.0 2ero 1.1.3 2ero 2ero 2ero 2ero 2ero 2ero 2ero 2ero		-2.6 -2.60 -9.9 -9.9 -10.4 -62.6 -12.4 -5.3.1 -12.0 -3.2 -3.5 -3.5 -3.5 -3.6 -3.3 -3.6 -3.3 -3.6 -3.8 -3.1 -13.7 -16.7 -4.0 -8.6 -3.8 -3.8 -3.8 -3.8 -3.8 -3.8 -3.8 -3.8	-6.4 -330 -19.3 -20.1 -104.7 -24.1 -24.1 -8.9 -23.7 -8.9 -7.9 -27.1 -33.0 -16.6 -9.7 -10.3 -16.6 -11.7 -61.4 -61.4 -65.5 -67.1	18.6 (19.2) -49.9 (19.2) -49.9 (19.2) -49.9 (19.2) -49.9 (19.2) -40.0	-37.6 28.5 -102.5 -102.5 -110.6 -125.3 -57.49.6 -125.7 -52.8 -52.6 -52.6 -52.6 -52.6 -52.6 -52.7	24' 24' 24' 24' 24' 24' 24' 24' 24' 24'
M M M M M M M M M M M M M M M M M M M	2925 3030 3250 22460 2365 1210 2360 2780 2780 2780 2780 2830 2830 2830 2830 2850 2850 2850 2850 2850 2850 2850 285	30078 30078 2124 2124 2062 1921 1921 1926 2572 2455 2572 2455 2572 2455 2572 2455 2572 2455 2572 2455 2572 2455 1006 1380 1380 1380 1380	2638 2632 1817 1817 1783 913 1626 482361:- 1622 2374 2261 2266 2260 2385 1506 2005 2166 2160 2005 2166 900 1114 1114 1115 1093	2455 26408 26408 1542 1533 834 1333 2184 2075 2003 2179 2303 2179 1218 1140 1842 1928 1733 1282 970 970 982 976	2279 2453 1311 1320 769 1175 1885 1123 2003 1898 2108 1983 1001 1606 1652 1707 1512 1579 756 878 878 880 896	2210 1228 1137 1154 1154 1154 1154 1155 1155 1155 115	3873 2418 1552 1911 3734 2102 3860 3734 3866 3734 1762 1921 3877	3378 3686 1803 1180 231 1393 3054 1463 3305 3348 3165 3295 3157 1169 1280 2510 3680 3510 3680 3790 4201 449 1015 1015 1017 1020	2936 3201 319 882 185 998 22476 993 2815 2837 2565 2795 2653 755 841 1958 2230 2812 2608 3409 360 661 661 662 730	2542 2286 950 652 154 710 719 2383 2389 2057 2214 494 577 1506 1844 2228 2001 2000 501 501 501 501 501 501 501	2190 8240 887 483 131 521 476 2004 1999 1633 1973 1834 445 1145 1515 1523 2214 411 411 411 490	1878 2071 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10.00 (10	Zero	-1.75.8 -6.7 -43.3 -8.0 -7.6 -2.2 -4.3 -1.9 -3.6 -8.6 -10.7 -4.7 -4.7 -4.5 -2.3 -4.6 -2.1 -1.9 -3.6 -1.0 -3.6 -1.0 -3.6 -1.0 -3.6 -1.0 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6	-13.2 -13.2 -13.2 -14.0 -77.4 -16.7 -5.8 -8.9 -8.9 -5.2 -2.7.7 -18.2 -22.6 -9.9 -11.8 -77.6 -77.6 -40.6 -40.6 -40.6 -40.6 -40.6 -40.6 -35.1 -35.2	-8.0	1.4 - 24/31 1.5 2.7 1.7 1.8.8.8 1.6 1.9 2.1 2.1 2.1 2.1 2.2 2.3 2.3 2.3 2.3 2.3 2.3 2.6 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	2.0 2ero 3.9 2ero 3.0	- zero 38 -3.8 -3.8 -3.8 -4.5 -4.5 -4.7 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5 -3.2 -3.3 -17.0 -17.7 -19.4	-2.6 -2.6 -2.6 -2.7 -9.9 -10.4 -62.6 -12.4 -12.4 -13.1 -12.0 -3.2 -3.5 -3.5 -3.5 -3.1 -13.7 -16.7 -4.0 -8.6 -3.8 -3.8 -3.8 -3.8 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5	-6.4 -330 -19.3 -20.1 -104.7 -24.1 -8.0 -23.7 -8.1 -8.9 -8.9 -22.1 -7.1 -7.9 -10.3 -16.6 -9.7 -17.0 -10.8 -17.0 -10.5 -5.1 -6.14 -6.1.4 -55.5 -67.5	-18.6 -19.7 -49.9 -51.3 -226.7 -62.1 -62.8 -23.4 -25.2 -20.8 -23.2 -72.5 -86.6 -30.8 -40.0 -28.7 -35.0 -41.9 -21.2 -143.0 -141.3 -141.3 -210.8	-37.6 -28.5 -100.8 -102.5 -102.5 -125.3 -5.49.6 -125.3 -5.49.6 -126.9 -47.5 -42.4 -47.4 -47.4 -150.4 -174.8 -64.9 -76.3 -58.9 -76.3 -76.9 -76.3 -76.9	24° 24° 24° 24° 24° 24° 24° 24° 24°



Remington® and black powder go back to 1816. Since then, muzzleloading components have gone through a lot of changes, but some things haven't changed - the desire on the part of the hunter for a bullet that goes where it's aimed and drops game as it is supposed to. The desire on Remington's part is to provide muzzleloading bullets and components that do just that, with our state-of-the-art sabot-encased bullets, special allow brass-plated round balls, and the hottest caps you can fire.

PERCUSSION CAPS

Reliable in all weather conditions, our No. 10 and 11 percussion caps have been improved to generate up to 40% more



flame volume. Both sizes feed reliably through Remington Capmaster™ and other standard



PREMIER® COPPER SOLID" BULLETS WITH SABOTS



Encased in a .50-caliber sabot, the deep hollow point cavity and spiral nose cuts of the 289-gr.,

.45-caliber Copper Solid bullet deliver optimum penetration, virtually 100% weight retention, and nearly 2x caliber expansion. You can't get a better combination of accuracy and on-game performance.



CORE-LOKT® BULLETS WITH SABOTS



Take our Core-Lokt® jacketed hollow point handgun hunting

bullet, then add our four-segment, one-piece sabot. The result is one of the most accurate and effective muzzleloading bullets ever developed. In .357 to .44 caliber, with .45, .50 and .54 caliber sabots, in weights of 165~303 grains.



GAMEMASTER™ BULLETS

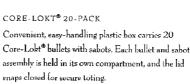


Remington isn't a newcomer to muzzleloader bullet production, and these lead bullets prove it. Each one is

uniformly pre-lubed for cleaner handling, easier loading, and minimal barrel leading. They are sized for barrels of .45 to .58 caliber, in bullet weights from 285 to 535 grains.



PREMIER® GOLDEN" LEAD ROUND BALLS Remington has taken extra steps to assure the spherical concentricity and uniformity of these round balls in both size and weight. A special alloy adds hardness for deep penetration and maximum expansion. Brass plating allows cleaner handling and reduces barrel leading. They're available in eight caliber choices from .32 to .58.





GAMEMASTER" 20-PACK

Convenient, sturdy plastic box carries 20 Gamemaster" bullets. Each bullet is held in its own compartment, and the lid snaps closed for secure toting.





MUSKET NIPPLE Allows use of larger tophat or English-style musket caps for igniting Pyrodex® pellets. Threaded to replace the standard nipple of any Model 700™ ML rifle.



BRASS BULLET STARTER/BALL & PATCH PULLER COMBO TIPS These new 2-in-1 accessories make it easy to push a snug-fitting bullet down the bore, or to extract a bullet, ball, or patch safely if necessary.

ONE-POCKET FANNY PACK For extra storage capability in the field try our new one-pocket fanny pack. Made of durable Timbercloth fabric with twin zippers and storm flap.









BORE SWAB



BRASS CLEANING JAG



PATCH WORM



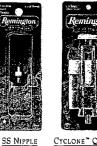
NIPPLE WRENCH BREECH BRUSH



NIPPLE PICK



BALL PULLER



CYCLONE" QUICK STARTER



BLACK POWDER CLEANING KIT .50 € .54 CALIBER

REMINGTON BLACK POWDER SHOOTING ACCESSORIES

Remington has developed a broad selection of loading, shooting, cleaning and maintenance items to meet the needs of percussion and in-line muzzleloader shooters, including three types of camo-pattern bags for easy field transport.



PRE-LUBED PATCHES



WONDER WADS



BLACK-OUT**
CLEANING SYSTEM



CAP GUARDS





Wonder Lube



BORE CLEANER



CYCLONE™ BELT BAG



BLACK POWDER POSSIBLES BAG

THE PERFECT BLEND OF STRENGTH, PRACTICALITY AND BEAUTY



REMINGTONSAFES

Remington offers homeowners the peace of mind that comes from knowing they have invested in the comes from knowing they have in the state of the security, storage system money can buy,

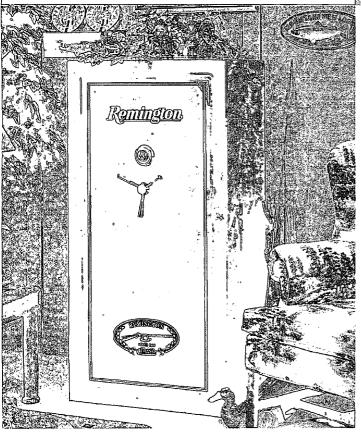
st security, storage system money can buy,

New for 1999 is our Flex Interior System that New for 1777.

We unparalleled freedom to arrange interior?

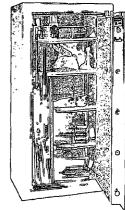
We in any one of four ways to fit your particulate Each Premier, "Classic," and Sportsman. safe comes furnished with the "Executive" interior layout (see helow). By rearranging the shelves and a

rack cover, the interior can be made to accommo date long guns as the "Universal interior Even quicker access to gun storage is available by converting to the 'Basy Out' interior with about simple rack cover move: Finally, removal of both sack covers creates the 'Collector' interior with a space for as many as 47, guns. Our Flex Interior is for the homeowner with a variety of valuables and provides the option to expand and adapt as additional items and keepsakes are acquired



PREMIER™ SERIES

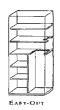
In terms of design, construction, and appearance, these are the finest safes in our line. Each one receives multiple coats of rust-resistant primer and three coats of high-gloss polyurethane enamel for a lustrous, durable finish. Our new Flex Interior System allows for unmatched shelf configuration choices. The three-spoked handle and dial are 14K gold-plated for both beauty and durability. All Premier" safes feature a U.L. security rating, a 1" composite door, Omega Point Labs-certified Triple-Wall fire protection, your choice of silver or beige velour interior, internal ball-bearing hinges, 1" locking bolts, Sargent & Greenleaf bank-type locks, drill-resistant multi-layered hardplate, triple relockers, whisper-quiet bolt protectors, Remington logo, and limited lifetime break-in warranty.



INTERIOR SHELVING CONFIGURATIONS - 4-IN-1 INTERIOR DESIGN PREMIER," CLASSIC," & SPORTSMAN™ (SHOWN WITH EXTRA TOP SHELF)









Flex Interior System for Premier," Classic™ and Sportsman™ allows customized shelving arrangements to optimize storage capabilities.

CLASSIC" SERIES Our Classic" safes provide a perfect balance of quality and cost by incorporating many of the features found in our Premier" safes at a moderate price. Features include brassplated 3-spoke handle and combination dial, a U.L. security rating, a 1/4" recessed Uni-body door, laboratorytested double fire protection,

your choice of mocha or gray fabric interior, internal ball-bearing hinges, 1" locking bolts, Sargent & Greenleaf bank-type locks, drill-resistant 1/4"

hardplate, triple relockers, whisper-quiet bolt protectors,







"TROPHY" SERIES

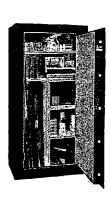
Our new, moderately priced "Trophy" series comes in a choice of two different sizes to suit your individual homeowner requirements. The seamless body is constructed of 12-gauge steel. Other features include a U.L. security rating, recessed Uni-body door, gold-plated handle and key dial, laboratory-tested Double-Wall fire protection, mocha fabric interior, internal ball-bearing hinges, 1" locking bolts, U.L.-listed Group 2 locks, whisper-quiet holt protectors, Remington logo, and limited lifetime break-in warranty. Triple-Wall fire protection construction not available in Trophy series.



SPORTSMAN" SERIES

At a practical, economical price, the Sportsman" series has proven anti-entry devices that include goldplated handle and key dial, a U.L. security rating, a recessed Uni-body door, optional laboratory-tested Double-Wall fire protection, gray fabric interior, internal ball-bearing hinges, 1" locking bolts, U.L.-listed Group 2 lock, drill-resistant 1/4" hardplate, triple relockers, whisper-quiet bolt protectors, Remington logo, and limited lifetime break-in warranty. Triple-Wall / Quad-Wall fire protection construction not available in Sportsman models.





"TROPHY"







Safe 🧳	Dimensions (WxHxD)	Depth	/olume	Approx	Weight	Active	Door	Body.	Hex .	Flex	Fléx,	"Hex	Flex Interio	Flex Fabric	Type of
viogei Premier™	EST W (MXHXD)	Overall_^(C	ubic ft.)	• Weight :	Triple: Wall	Z Son Bolts	hicknes	s hickness	Universal	⊚@Easy_Out ®	& Collector 9	Executive no	Me Habric	Colors Colors	Interior
-50 -25	401/2" x 721/2" x 28" 301/2" x 601/2" x 25"	29% 29%	48 25	4	1220 lbs. 750 lbs.	15-1" 13-1"_`	1" 1"	\$ 10 ga. 10 ga:	26-Gun 15-Gun	17-Gun 12-Gun	43-Gun 27-Gun	7 Shelves 6 Shelves	Velour Velour	Silver or Beige Silver or Beige	Flex Flex
lassic™ 1-35 1- 2 5	36½" x 60½" x 28" 30½" x 60½" x 22"	29% 27%	36 25	600 lbs.	850 lbs. 700 lbs.	11 <u>-</u> 1".>	1/4" 1/4"	11 ga 11 ga.	24-Gun 15-Gun	17-Gun 12-Gun	41-Gun 27-Gun	4 Shelves 4 Shelves	Fabric Fabric	Mocha or Gray Mocha or Gray	Flex Flex
Frophy* -8 -4	24" x 30" x 20" 18" x 24" x 16"	22½" 17½"	8 4	240 lbs 160 lbs	n/a n/a	3 1" 2 1"	3/16" 3/16"	.12/ga. .12/ga.	n/a n/a	n/a n/a	n/a n/a	2 Shelves	Fabric Fabric	"Mocha"	Exec Exec
portsma -25	in™ 30½" x 60½" x 22"	23'4	23	470 lbs.	n/a*	5-1;° s	3/16**	\$12 ga.	- 15-Gun	10-Gun	25-Gun	4 Shelves	Fabric	Ç. Gray	Collector*

^{**} Optional Flex

REWINGTON OPTIONS AND ACCESSORIES

LISTED BURGLARPROOF

Today, the best safe-crackers in they work for Underwriters Laboratories (U.L.) Since 1921; U.L. has tried to outsmart and "y overpower the most sophisticated to rity devices in America, Using , ; ; ; withstood U.Ls ngo state-of-the-art techniques, they

test each safe to its limit by trying to knock the lock off, force the handle, and drill the bolt mechanism All Remington sa

are UL:-certified and have drilling, hammering,

chiseling, punching, prying and tampering tests. You can teel secure knowing that Remington sales exceed U.L's rigid standards



in all tests and proudly bear the U.L. security certification.

和重然

OPTIONS AND ACCESSORIES FOR EVERY INDIVIDUAL PREFERENCE AND NEED



REMINGTON ART PRINTS



Brass Lamp



Gun Lock



SHELF PISTOL RACK (4 & 8 GUN)





ELECTRONIC DIGITAL LOCK



INTERIOR DUPLEX OUTLET



PALLET COVER



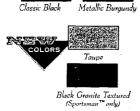
DOOR-MOUNTED PISTOL RACK

Exterior Color Choices











Arctic White

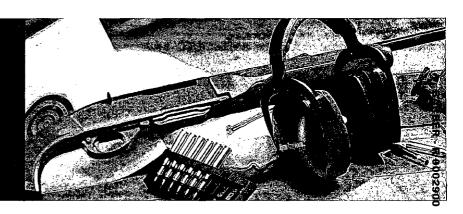


Certified Fire Protection By Omega Point Labs Our Triple-Wall fire protection package is one of the finest available, meeting Omega Point Laboratories' fire-rating certification for protecting fire-sensitive paper items, and available on all Premier" and Classic" safes. We install two continuous layers of U.L.-listed 5/8" insulation, and a Palusol® fire-seal door gasket.

Contents are protected up to 1200°F for 30 minutes more than enough protection from most home fires. This type of protection is also ideal for firearms, coins, and similar items.

PROTECTION

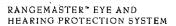
BECAUSE IT'S REALLY HARD TO SHOOT WITH YOUR FINGERS IN YOUR EARS





M-31 EAR MUFFS

With a noise reduction rating of 31, this is the highestrated hearing protection in the world, and at only 10-oz, you'll barely know they're there. The wide, softly padded headband pivots on independent wire supports for a great fit. And the special slow-recovery foam makes a tight seal around the ears for maximum protection. Ear cups of Remington green with "R" logo.



Never forget eye protection again! "UVEX" goggle folds into place and flips up and down easily. Will fit over most prescription glasses. Comfortable foam-padded mults have a NRR of 26.





M-29 EAR MUFFS

A high level of sound protection and long-wearing comfort features: deep foam-lined cups provide total coverage without compressing the outer ear, oversized foam cushions and a padded headband make these muffs extremely comfortable. NRR of 29.



M-28 EAR MUFFS

Our highest-rated, super-compact folding muffs store easily when not in use. Soft foam construction and light weight make them ideal for extended wear. Furnished with convenient belt clip for easy toting. NRR of 28.



These muffs can be worn in three positions to suit individual shooter preference. Comfortable vinyl cushions make a highly effective seal around the ear, and are easily removed for washing or replacement. NRR of 25.





P-27 INSERT PLUGS Designed for repeated use, they're constructed of soft, soundattenuating material around a pocket of air that effectively fractures air waves and reduces sound intensity. NRR of 27.



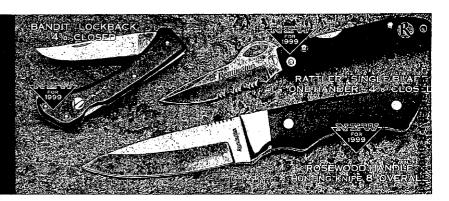
PC-27 INSERT PLUGS For those shooters who prefer to have their ear plugs more easily available, our PC-27 plugs come with an attached cord that hangs around the neck when not in use. NRR of 27.



P-30 INSERT PLUGS These convenient, always-ready plugs are made of comfortable self-adjusting foam. Their smooth tapered surface allows quick, easy insertion and comfortable wear. NRR of 30.

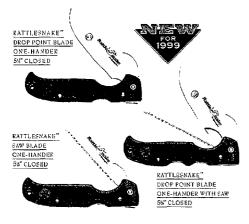
REMINGTON . SPECIAL PURPOSE AND UTILITY KNIVES

ONLY A COMPANY WITH 183 YEARS OF EXPERIENCE COULD MAKE KNIVES THIS GOOD



RATTLESNAKE™ "ONE-HANDER" HUNTING KNIVES

We've expanded our One-Hander easy-open knife line to include three more hunting versions of these tough folders. The blades are 440A stainless, and the handles are a high-strength synthetic with plenty of checkering for a good grip even in wet conditions. Caping dots on the drop point blades allow precise control when skinning and field dressing. Choose from a single drop-point blade, a single saw blade, or a combination drop point blade and saw blade. Also available is the new compact 3" Rattler" single-blade One-Hander.





RATTLESNAKE" "ONE-HANDERS"

We've all been there - a line to cut, but one of your hands is occupied and you can't let go to open your knife. With our new Rattlesnake™ One-Hander lockbacks, a simple push on the specially shaped oval thumbhole opener and you're good to go. In two models: single-blade serrated spear blade, and a patented two-blade double lockback version with serrated spear blade and serrated cutter.

FIXED-BLADE ROSEWOOD HANDLE (shown above) New for 1999 is our Rosewood Handle knife with 4" cutting blade, full-length tang, and handsome rosewood handle. Leather sheath included.

FIXED-BLADE HUNTING KNIVES

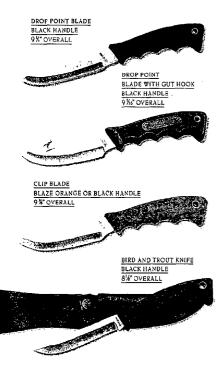
Our high-performance ATS knives have hollow-ground blades made of tough ATS 34 tool steel, a Scotchbrite finish, thumb notches on the rear blade top, and a choice of Kevlar®-impregnated nylon or laminated-wood handles.



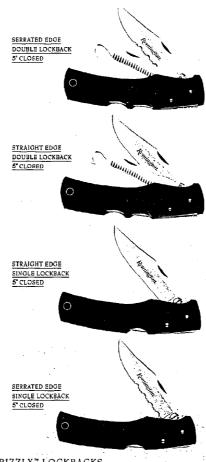
BARBER - R 0002902 R 2196466

SPORTSMAN™ KNIVES

These fixed-blade knives feature blades of 440A stainless steel in a variety of designs and handle colors to meet any need. (Note: All Sportsman" fixed-blade knives available in box or clam pack packaging.)



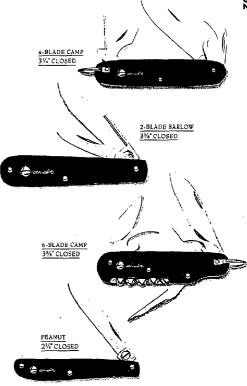


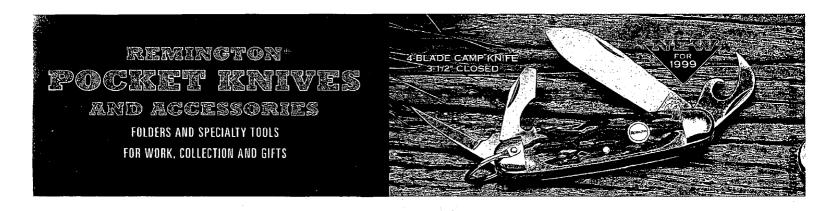


GRIZZLY" LOCKBACKS

It's hard to find a tougher, more versatile knife than our Grizzly." Though compact, it opens up and locks to the size and strength of a large fixed-blade knife. Rugged RemGrip™ handles provide a non-slip grip for tough outdoor jobs. All two-blade Grizzly" knives feature à patented individual locking system for each blade. Not shown — Grizzly" Gut Hook model.

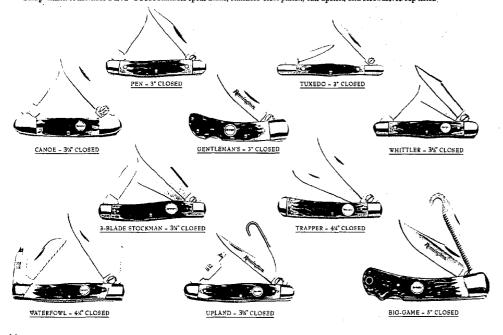
BANDIT™ KNIVES Smooth black synthetic handles, gold logo, and quality construc-TRAPPER 3% CLOSED tion married with a collection of the most useful blades you could ever want in an economy-priced knife make these a "must have" for anyone who appreciates value in a pocket knife. New for 1999 is a single-blade lockback version with 440A stainless 2 3/4" clip blade.





DELRIN® FOLDING KNIVES

For 1999, our comprehensive family of Delrin®-handle folding knives has been expanded by the addition of our four-blade 'Camp" knife. It includes a 2½" 440A stainless spear blade, stainless-steel punch, can opener, and screwdriver/cap lifter.



GENUINE STAG KNIVES

All three of these

beautiful folding knives

are constructed of the highest-quality materials,

including 440A

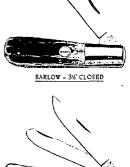
stainless-steel blades

with brass liners, and

nickel-silver bolsters and

pins, all complemented

by genuine stag handles.



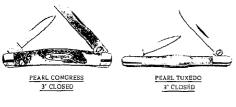
LOCKBACK - 4' CLOSED

TRAPPER - 4" CLOSED

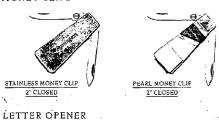


EXECUTIVE KNIVES

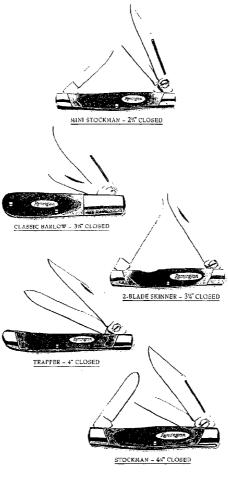
The Remington gift line provides an exceptional combination of handsome appearance, refined high quality and useful practicality. They make appropriate, highly appreciated gifts for any occasion and reflect well on your own good taste.







PEARL LETTER OPENER - 9½" OVERALL



REMINGTON 9500" SERIES

The Remington 9500" Series features polished carbon-steel blades, sawcut Delrin® handles with nickel-silver Remington shield, brass liners, nickel-silver bolsters, "Remington U.S.A." tang stamp, lifetime warranty and attractive display box or clam pack.

REMINGTON GAME SHEARS

These are shears built for a life in the hands of a sportsman — the handles are heavily chromed and come apart for easy cleaning and they do double duty for fish scaling, tack driving, nut cracking and bottle opening.

Game Shears 8% OVERALL

REMINGTON CAMP AXE

There is no more important tool in camp than a sharp, compact axe for making kindling, driving stakes or field-dressing game.



STREN®
FIXED & FOLDING
FILLET KNIVES
Single-blade folding
POLDING FILLET TA' CLOSED

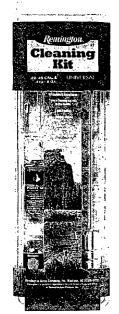
Single-blade folding
lockback is 71/4" long when
closed, but its Scotchbrite-finished
51/4" stainless-steel blade fillets with finesse.
Secure grip comes from checkered Zytel® nylon
handle Stren® fillet knives are also available in
4", 6", 71/2" and 9" fixed-blade styles.

ACCESSORIES

ONE OF THE LEAST COSTLY, BUT MOST IMPORTANT INVESTMENTS YDU CAN MAKE IN THE CARE OF YOUR FIREARMS



UNIVERSAL



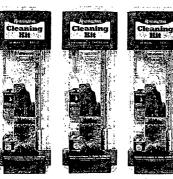
To keep your firearms performing like new, make a small investment in factory-designed cleaning equipment. Offered for use with rifles, shotguns, pistols, and for universal use, our four Sportsman" kits contain everything you need for complete firearm care, including our rugged all-metal cleaning rods. They're complemented by a wide selection of separately packaged bore brushes and swabs, aluminum slotted tips, and various-sized cleaning patches in cotton and cotton "G.I." material.

REMINGTON® CLEANING KITS

RIFLE

SHOTGUN

PISTOL

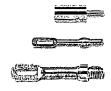




CLEANING PATCHES In 100% cotton & cotton "G.I." .17 to .45 cal. and .410 bore to 12-ga.



UTILITY BRUSHES Available with either nylon or phosphor-bronze bristles.



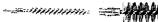
ADAPTER/SLOTTED TIPS Rifle-to-Shotgun adapter (top) Pistol/Rifle — packed w/kits (middle) Shotgun — packed w/kits (bottom)



SPORTSMAN™ CLEANING RODS Aluminum construction for a long life of hard use. Furnished in rifle, pistol and shotgun versions with slotted tip for use as a patch puller.

PHOSPHOR-BRONZE BORE BRUSHES

The first step to a clean bore. These premium-quality bronze bore brushes are designed to effectively loosen and remove build-up and fouling residues from the hore of most guns.



RIFLE .22 to .45 cal.

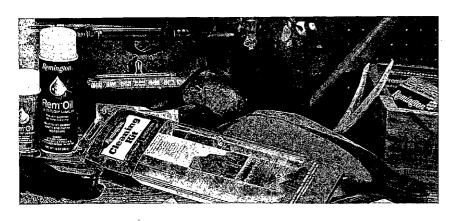


SHOTGUN .410 bore to 10-ga.



PISTOL .22 to .45 cal.







BRITE BORE" Remington Bright Bore™ is a versatile cleaner for barrels, choke tubes and actions. A handy,

take-anywhere 2-oz. bottle is packed with all Sportsman™ Cleaning Kits.

BORE CLEANER

Removes carbon, lead, copper and plastic wad fouling by mechanical action. Non-acidic, non-corrosive, completely natural elements won't damage bores or bore brushes. Comes in 4-oz. squeeze bottle.

REM DRILUBE" Teflon® base provides a tough, noncongealing film without the residue of dry graphite lubes. Keeps

firearms functioning dependably to -40°F. Available in easy-to-use 4-oz. aerosol can



REM" ACTION CLEANER

Spray-cleans dirt, powder residue, and caked lubricants from disassembled actions and fire-control mechanisms with ease. Dries quickly and leaves no residue. CFC-free formula comes in 10.5-oz. can with jet-spray extension tube.

REMINGTON® NITRO CLP"

This full nul spec cleaner, lubricant, and protector is the most advanced breakthrough in synthetic oil formulas. Cleans corrosion, grime, grease and dirt from metal, and prevents deposits from attaching to the surface. Lubricates and prevents wear on moving metal parts, even under high-speed, high-friction conditions. Comes in 6-oz. pump spray bottle.





tops or bench to help make gun cleaning easier, faster and less messy. They have a soft, acrylic surface material that won't scratch guns or the table underneath and that helps keep small parts or screws from rolling away or falling off. The absorbent top material traps and holds up to eight times its weight in fluids, while a non-slip vinyl bottom forms a barrier to prevent spilled fluids from soaking through. New Rem™ Pad Gun Cleaning Mats come in Remington green, are machine washable, and are furnished in two sizes — 12"x28", and 16"x54".

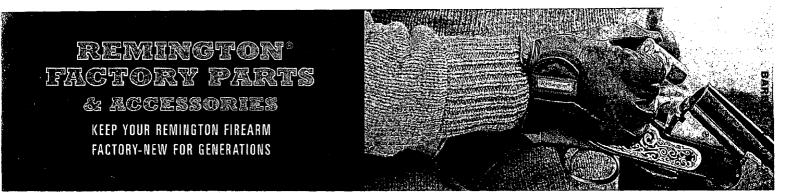
REM™OIL

The most versatile gun oil you can buy. It cleans dirt and grime from exposed metal surfaces, displaces non-visible moisture from metal pores, and protects internal and external metal parts from rust and corrosion. Its exclu-

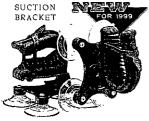
sive Teflon® formula provides a tough, thin, long-lasting lubricating film that keeps actions working smoothly by reducing metal-to-metal wear. Comes in 1-oz. squeeze bottle for field use and 4-oz. and 10-oz. aerosol.











REM" RAC GUN RACKS

New Rem™ Rac Cun Racks provide a practical means of holding and storing firearms in pick-up trucks, vans, RV trailers, boats, utility and other outdoor vehicles. One version uses simple, firm-gripping suction cups for mounting on any flat surface. The other utilizes industrial-quality double-stick adhesive for attachment. The brackets themselves include security straps and are lined with non-scratching heavy-duty rubber.

CHOKE TUBE HOLDER Our new Rem Choke Tube Holder includes storage bays for three choke tubes and a pocket for a choke tube wrench. Made of a tough, longwearing 600-denier polyester fabric.

FACTORY PARTS

Keep your Remingtons up to peak performance specs by always using Remington parts and accessories designed and built at the factory.



MODEL 597" RIFLE CLIPS

CENTERFIRE MAGAZINE CLIPS



MODEL 700" BOLT DISASSEMBLY TOOL

- · Aids safe removal of firing pin/spring assembly
- · Black synthetic material won't scratch bolt bluing
- · Simple two-hand operation

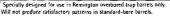






REM™CHOKE TUBES

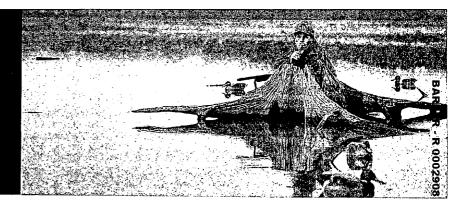
Turkey Super Full (lead shot only)	OMO STOP DE TROOP	20-ga
		.
Turkey Extra Full (lead shot only)	·	
Turkey Extended Straight Rifled	•	
Full (12-ga. steef or lead, 20-ga. lead only)	•	<u> </u>
Modified (steel or lead)	•	•
Improved Cylinder (steel or lead)	•	•
Sporting Clays SC1 – Skeet (stee) or lead)	•	•
Sporting Clays SC2 - Imp. Cyl. (steel or lead)	•	•
Sporting Clays SC3 – Light Mod. (steel or lead)	•	•
Sporting Clays SC4 – Mod. (steel or lead)	•	•
Sporting Clays 4-Piece Combo set	•	
Skeet (steel or lead)	•	•
Improved Skeet (steel or lead)	•	-
Trap Full' (lead shot only)	•	
Trap Extra Full' (lead shot only)	•	
Trap Super Full' (lead shot only)	•	
Extended Rifled	•	
Rifled	•	
Wrench	•	•





& ACCESSORIES THE MOST PRACTICAL PRODUCTS IN THE

HUNTING AND SHOOTING WORLD





RELOADER'S SHELL BAG

- · Pocket for full box of ammo and bottom-zipper shell bag
- · Available in Remington green or tan
- · Twin belt loops
- · Distinctive "Remington" patch

MESH SHELL BAG

- · Large-capacity empty shell bag with spring-loaded mouth opener
- Available in Remington green or tan
- · Chrome belt clip
- · Distinctive "Remington" patch





DIVIDED SHELL POUCH

- · Two pockets to separate fired from unfired shells
- · Available in Remington green or tan
- Web carrying strap
- · Distinctive "Remington" patch
- Also available in 'Shooter's Bag' version with two covered compartments



REMINGTON® PAPER TARGETS

Includes a full array of targets used for competition, practice, and sighting-in. In 27 pistol/rifle centerfire, rimfire, and air-gun versions.

DECOY CARRY BAGS

Constructed of strong, weatherproof nylon mesh with sturdy shoulder straps to leave hands free for carrying your gun. Sizes include a small backpack version (18"x24"), and two larger bags for bigge rigs (36"x48" & 36"x55").





SHOTGUN AND RIFLE SLINGS

- · Durable Cordura® nylon, reinforced with heavy-duty nylon stitching
- Non-slip tachiner inside surface
- 2½"x16" pads and adjustable I" nylon straps
- · Color options: Mossy Oak® Treestand® camo, brown camo, Advantage® camo, and black







There are no secrets to being a top shotgumer, just proven techniques that work if someone shows them to you. That's the purpose of the Remington Shooting School. Our unique REM method of instruction (Reading the target, Eye contact and

is trap, skeet, sporting clays or wingshooting, the Remington Shooting School will help you develop and perfect your own natural abilities while enjoying a top-flight program. The staff is made up of experienced NSCA-certified instructors and guest clay-target champions. A comprchensive 3-day agenda covers shooting techniques, proper gun fit and choke selection, as well as other important factors such as proper eye focus and mental attitude. The school has locations in upstate New York and Orlando, Florida, and our new expanded program takes the Remington Shooting School on the road to Reno, Nevada; Chicago and Bloomington, Illinois; and Hawaii. The 3-day all-inclusive value-packed instructional program offers you fun, fine food, first-class accommodations, and unlimited targets and anuno. Class sizes

are limited and filling fast, so call today for additional

information, locations and dates: (800) 742-7053.

Movement) provides shooters with solid recall of what they learn. Whether your interest



ORIGINAL STREN®

- ONIGINAL STRENS
 High tensic, shock and lanot strength
 High sharsion resistance
 Controlled retretch
 2- to 80-lh. test
 Available in clear, clear/blue, lo-vis green & hi-vis gold
 Proper impress and low memory for easy handling



🞇 STREN® EASY CAST " STRENGEAS) CAST Superior strength Exceptional catability Patented construction Advanced filament technology Excellent abrasion resistance 4- to 30-lb test

- · Available in green, clear, coffee & new clear/blue

STREN® MAGNUM 7/20"

- Unique oval design
 Maximum abrasion resistance for use
- in heavy cover

 Very quiet, accurate lure entry

 For use on revolving-spool reels only

 Casts like 7 lb, the strength of 20 lb.



STREN® SENSOR"

- Lowest stretch of
- any mono line
 High sensitivity
- High sensitivity
 Extra book-settin
 Excellent abrasion resistance
 4- to 20-lb. test
 Available in clear



STREN® SUPER TOUGH"

- Maximum abrasion resistance
 Superior knot strength
 Extra strength for large trophy angling
 2- to 40-lb. test
- · Available in clear & lo-vis green colors



STREN® MAGNATHIN®

- Low diameter, high strength Extremely limp & flexible
- Superior casting
 Maximum lure action

- More line capacity on reel
 2- to 130-lb, test
 Available in clear, moss green and walleye green

STREN® HIGH IMPACT" PRODUCTS

- Monofilament
 Tournament (IGFA Class)
 Braided Dacron® line
 Mono & fluorocarbon leaders





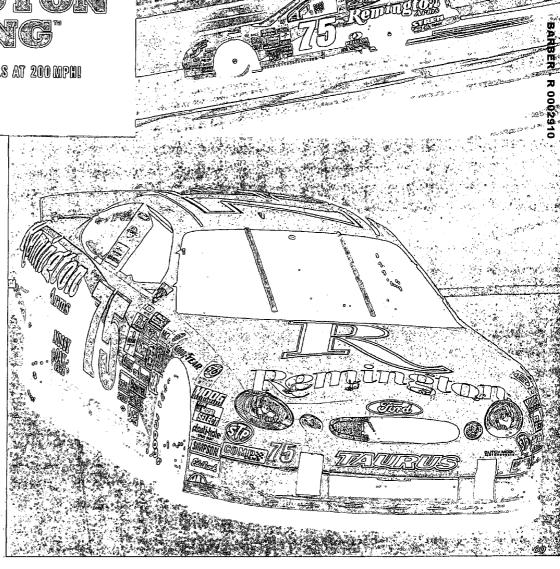


THE DEMINGTON BULLET TRAVELS AT 200 MPHI

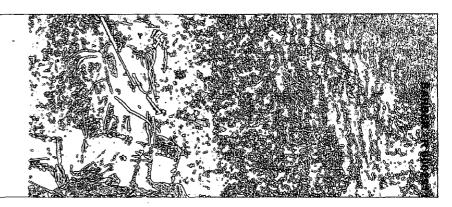


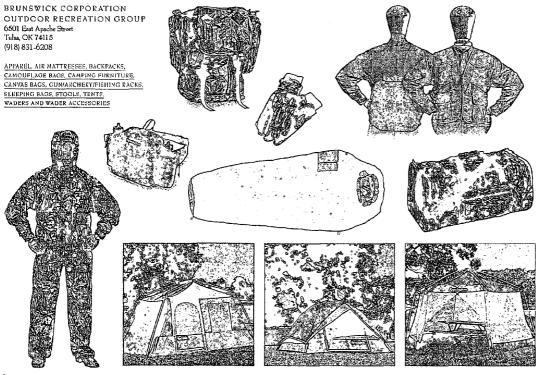
In 1999, we're aiming for NASCAR Winston Cup Series wins with car #75 the Remington "Bullet." For more than 30 weekends a year we are introducing millions of race fans to "Remington Country" through NASCAR Winston Cup Racing — the tastest-growing spectator sport in America. Racing is a natural fit for us - Remington Arms is America's oldest gun company, and NASCAR fans share our love of hunting, fishing and conservation. See you in the winners' circle!

ASSOCIATE SPONSORS: MOSSY OAK® CAMOUFLAGE, POLARIS, AND STREN®



A GREAT LINE-UP OF SHOOTING AND HUNTING CLOTHING, CAMPING PRODUCTS AND DECORATIVE ACCESSORIES FOR A LIFE IN THE OUTDOORS.





AMERICA REMEMBERS



COLLECTIBLE FIREARMS

GOLDEN STATE INTERNATIONAL 300 Market Street Oakland, CA 94607-3032 (510) 893-6789



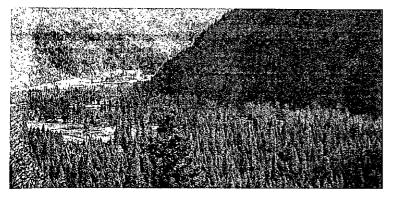
MEN'S AND LADIES' WRISTWATCHES, POCKET WATCHES, ALARM CLOCKS

THE ALLEN COMPANY P.O. Box 445 525 Burbank Street Broomfield, CO 80038-0445 (303) 469-1857



GUN CASES, HUNTING AND ARCHERY ACCESSORIES

70





CALENDAR PROMOTIONS 1010 South Ninth Avenue Washington, IA 52353 REMINOTON CALENDARS (319) 653-6535 (800) 421-5254

2 DAY DESIGNS, INC. 3334 Healy Drive, Suite 200 Winston-Salem, NC 27103 (336) 774-7085

OUTDOOR CAP COMPANY, INC.

1200 Melissa Lane Bentonville, AR 72712

(501) 464-1122

HEADWEAR

CASUAL FURNITURE

UNITED STATES PLAYING CARD CO.









PLAYING CARDS



DECORATIVE WOODEN BOXES, WOODEN TRAYS, TRASH CANS. FRAMED MIRRORS, SIGNS, CANDY/GUM DISPENSING MACHINES AND SCREEN-PRINTED







SMOKY MOUNTAIN KNIFE WORKS P.O. Box 4430

(800) 251-9306 NOSTALGIC DECORATOR

Sevierville, TN 37864 (423) 453-5871





OLYMPIC OPTICAL 3975 Vantech Drive, Suite 2

Memphis, TN 38115

FISHING GLASSES, BIKING GLASSES, (901) 794-3890 SHOOTING GLASSES, SUNGLASSES SAFETY CLASSES, SAFETY GOGGLES



SILENCIO SAFETY DIRECT

56 Coney Island Drive Sparks, NV 89431 (702) 359-4451







CD-ROM COMPUTER GAMES

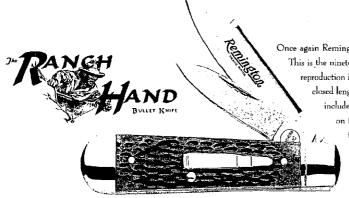






REPLICAS EVER OFFERED





Once again Remington has issued a one-year limited production addition to its modern Bullet™ Knife collector series. This is the nineteenth such introduction in a series that began back in 1982. The R103 "Ranch-Hand" is an authentic reproduction in modern materials of an early original. It is a two-blade jack pattern of single-end design. With an overall closed length of 35/8", it includes a $2^{13}/16$ " spear blade and a $2^{3}/16$ " pen blade. The spear blade has a long nail mark, includes the original Remington logo etched on the mark side, the early Remington-UMC "Made in U.S.A." logo on the left tang and the pattern number on the right tang. And, of course, the left side handle contains the traditional nickel-silver bullet shield. Like all its predecessors in the modern Bullet™ Knife series, the "Ranch-Hand" includes high-quality construction of 440A stainless-steel blades, nickel-silver bolsters and pins and solid brass liners. Handles of exceptionally strong and durable Delrin® duplicate the look and texture of original jigged bone. So see your local Remington dealer and get your order in soon!

9500, ADL, Accelerator, BDL, Bandit, Brite Bore, Bronze Point, Bullet, Classic, Copper Solid, Copper-Lokt, Core-Lokt, Cul-M-Rite, Cyclone, Disintegrator, Driving Band, Duplex, Essy Cast, Express, Expre Steel, Peter, Power Peton, Premier Quick Look, R. Rangemater, Rattler, Rattlerank, Rem., Rem DriLubs, RemGrip, Rem-Litt, Remington, Remington Remington Remington Shooting School and Remington Shooting School Loops. Ruttlers, Sendero, Sensor, Shuréhot, Slugger, ST, Spechmater, Sportman, STS, Stern, Stren Fish Lugo, Subsonic, Super Magnum, Super Tough, Targetmater, Thunderbolt, Ultra Mag, UMC, Unihody, Viper, Wetproof, Wingmaster, WonderLube and Yellow Jacket are trademarks of Remington Remington Arman Company, Inc., Modison, NC 27025, Cordus, Decron, Delvin, Intron, Kevlar, Télon and Zytel are trademarks of Portal. Frame is a trademark of Senting School and Remington R Caumaster, Cyclone, Wonder Lube, and Wonder Wads are trademarks of Ox-Yoke Originals, Inc. Kraton is a trademark of Shell.

Capinasies, Octions, wonter tages and wonger wage are tracemarks of Os-loke Criginals, inc. various or cent.

Weights, stock dimensions, checkering pattern and wood grain may vary according to the individual firearm. Remington reserves the right to change or modify its products without notice. Pricing may vary by model, specification, color, size and availability. Pollow the safety rules printed in firearms instruction books and on ammunition boxes. If you do not have an instruction book for your Remington firearms, write to Remington Arms Company, Inc., Ilion, NY 13357, for a free copy. Please specify the model and serial number. The firearms herein have been photographed with their actions closed to properly showcase their features. In actual practice, any firearm not in use must be left with ammunition removed, action open, and safety on.

Remington.

Consumer Information, Arms Service, Parts and Repairs, and Custom Shop: (800) 243-9700. Visit us on the web at: www.remington.com