

LOAD DATA

TEST FIREARM: 20" SAAMI CHAMBER
UNIVERSAL RECEIVER TEST BARREL

FEDERAL

7MM BACKCOUNTRY™

7MM BACKCOUNTRY 170GR TERMINAL ASCENT®

						STARTING LOAD		MAX LOAD	
POWDER	BULLET BRAND	WEIGHT/TYPE	OAL (IN)	PRIMER	CASE	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Vihtavuori N560	Federal	170gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	59.5	2808	64.3*	2989
Alliant Power Pro™ 4000-MR	Federal	170gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	55.8	2763	62.0*	2956
Hodgdon Superformance	Federal	170gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	54.0	2720	59.6	2940
Alliant Reloder® 17	Federal	170gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	50.7	2750	55.5	2940
Ramshot Hunter	Federal	170gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	55.0	2707	59.7*	2927

7MM BACKCOUNTRY 155GR TERMINAL ASCENT

						STARTING LOAD		MAX LOAD	
POWDER	BULLET BRAND	WEIGHT/TYPE	OAL (IN)	PRIMER	CASE	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Alliant Power Pro™ 4000-MR	Federal	155gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	58.0	2928	63.6*	3144
Vihtavuori N560	Federal	155gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	61.1	2902	67.0*	3124
Hodgdon Superformance	Federal	155gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	56.5*	2903	62.5	3120
Alliant Reloder® 17	Federal	155gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	52.6	2870	57.7	3101
Ramshot Hunter	Federal	155gr Terminal Ascent	3.300	Fed210	Peak Alloy Plated	57.5*	2899	62.1	3098

7MM BACKCOUNTRY 175GR FUSION® TIPPED

						STARTING LOAD		MAX LOAD	
POWDER	BULLET BRAND	WEIGHT/TYPE	OAL (IN)	PRIMER	CASE	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Vihtavuori N560	Federal	175gr Fusion Tipped	3.310	Fed210	Peak Alloy Plated	57.8	2660	63.5*	2917
Alliant Power Pro™ 4000-MR	Federal	175gr Fusion Tipped	3.310	Fed210	Peak Alloy Plated	53.9	2649	59.5	2901
Ramshot Hunter	Federal	175gr Fusion Tipped	3.310	Fed210	Peak Alloy Plated	54.8	2670	60.8	2884
Alliant Reloder® 17	Federal	175gr Fusion Tipped	3.310	Fed210	Peak Alloy Plated	52.2	2686	56.0	2864
Hodgdon Superformance	Federal	175gr Fusion Tipped	3.310	Fed210	Peak Alloy Plated	56.7	2693	60.5	2862

7MM BACKCOUNTRY 168GR BARNES® LRX

						STARTING LOAD		MAX LOAD	
POWDER	BULLET BRAND	WEIGHT/TYPE	OAL (IN)	PRIMER	CASE	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Vihtavuori N560	Barnes	168gr Barnes LRX	3.270	Fed210	Peak Alloy Plated	57.2	2671	63.4*	2959
Alliant Power Pro™ 4000-MR	Barnes	168gr Barnes LRX	3.270	Fed210	Peak Alloy Plated	54.5	2706	60.4*	2957
Hodgdon Superformance	Barnes	168gr Barnes LRX	3.270	Fed210	Peak Alloy Plated	56.5	2737	61.1*	2934
Alliant Reloder® 17	Barnes	168gr Barnes LRX	3.270	Fed210	Peak Alloy Plated	50.7	2710	56.2	2934
Ramshot Hunter	Barnes	168gr Barnes LRX	3.270	Fed210	Peak Alloy Plated	53.9	2663	59.9	2919

7MM BACKCOUNTRY 195GR BERGER® ELITE HUNTER

						STARTING LOAD		MAX LOAD	
POWDER	BULLET BRAND	WEIGHT/TYPE	OAL (IN)	PRIMER	CASE	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Vihtavuori N560	Berger	195gr Berger Elite Hunter	3.320	Fed210	Peak Alloy Plated	54.4	2508	60.2*	2772
Ramshot Hunter	Berger	195gr Berger Elite Hunter	3.320	Fed210	Peak Alloy Plated	53.1	2567	58.8*	2769
Alliant Power Pro™ 4000-MR	Berger	195gr Berger Elite Hunter	3.320	Fed210	Peak Alloy Plated	52.2	2524	57.9*	2760
Alliant Reloder® 17	Berger	195gr Berger Elite Hunter	3.320	Fed210	Peak Alloy Plated	48.4	2520	53.6	2739
Hodgdon Superformance	Berger	195gr Berger Elite Hunter	3.320	Fed210	Peak Alloy Plated	51.5	2481	57.2	2713

*Compressed



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7MM BACKCOUNTRY™

While reloading is a safe and enjoyable hobby, certain practices and procedures must be followed. Always put safety first in your personal reloading and shooting activities. By understanding the potential hazards and following well-established guidelines and procedures, the average shooter can safely build quality ammunition.

Failure to read, understand, and follow safety rules and guidelines in your reloading procedures can result in serious personal injury and/or property damage. It is your responsibility to ensure the safe operating condition and function of your reloading equipment and firearms. Know the required components and correct cartridge for which your firearm is chambered.

Reloaders must not deviate from the data provided here. We have provided both starting loads and maximum loads that should be approached with the appropriate amount of caution and not exceeded.

If you have any questions regarding these guidelines or recommendations, call the Federal Technical Staff at (800) 379-1732 for more information.

RELOADING RECOMMENDATIONS

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7MM BACKCOUNTRY™

Federal's 7mm Backcountry cartridge is different than any other in the history of metallic cartridges, and the crucial element of its performance is the Peak Alloy™ case. The revolutionary material and design safely allow higher pressures for greater velocities and more power than comparable brass case cartridges. However, those same properties affect the reloading process. To assist shooters in reloading the 7mm Backcountry cartridge, we've assembled the following recommendations.

- When gathering fired cases for reloading, only use bright nickel -plated cases from Federal Premium® 7mm Backcountry ammunition—Terminal Ascent®, Barnes® LRX and Berger® Elite Hunter. We do not recommend reloading the zinc-nickel-plated cases used in Federal® Fusion® Tipped 7mm Backcountry ammunition. These are plated only on the exterior, and when the round is fired, this uncoated surface is exposed, introducing the risk of corrosion, particularly if the cases are washed prior to reloading.
- Before reloading, carefully inspect all cases to ensure they are in good condition.
- Avoid any cleaning chemicals that damage the plating or Peak Alloy case material.
- Federal recommends using wax-based lubricants to reduce the amount of force needed to full-length resize cases.
- Don't trim or debur Peak Alloy cartridges. These processes remove the nickel plating that protects the underlying material. If a case has stretched too much for reloading, discard it rather than attempt trimming.
- We recommend not deburring the primer pocket. Take care not to remove plating during cleaning.
- When preparing the case, flare the mouth just enough so it doesn't scrape or abrade the bullet jacket as the bullet is seated.
- Always follow published reloading data as Peak Alloy cases do not exhibit traditional pressure signs.
- After dropping the recommended powder charge, seat the bullet in one smooth motion as opposed to separate pushes.
- These are high-pressure loads for Peak Alloy cases only.

Disclaimer: Because Federal has no control over individual loading practices, the tools used, or the quality of the firearms in which the resulting ammunition may be used, we assume no liability—either express or implied—for the use of these recommendations, load data information, or other instructional materials.