



Alexander Arms®

Alexander Arms®
 US Army Radford Arsenal
 P.O. Box 1
 Radford, VA 24143
 Phone: 540-639-8356
www.alexanderarms.com

6.5 Grendel Ammunition Reloading Data and Instructions

CAUTION

Ammunition reloading can be dangerous if done improperly and should not be attempted by persons not willing to read and follow instructions exactly. Children should not be permitted to reload ammunition without strict parental supervision. Always wear safety glasses when reloading and shooting. New and reloaded ammunition should only be used in modern guns in good condition. We do not accept responsibility for any reloaded ammunition as we have no control over the manufacture and storage of components or the loading procedure and techniques. Primers and gun powders, like gasoline and matches, can be dangerous if handled improperly or misused. It is expected that the person reloading is proficient in reloading or is acting under the supervision of an experienced reloader. Please read your reloading dies instructions set before proceeding.

Notes: **This data comprises all available reloading data developed or confirmed by Alexander Arms®.** If you wish to use different materials and cannot find a matching load here, we have no such information to offer. 6.5 Grendel ammunition requires small rifle magnum primers. The minimum case length is 1.520 inches. The maximum case length is 1.526 inches. New brass does not require resizing before use. Ensure that the taper crimp allows the round to chamber easily. Do not over-crimp!

Bullet	Primer	Overall Length	Powder	Minimum Charge Weight (grains)	Minimum Charge Velocity (FPS)	Maximum Charge Weight (grains)	Maximum Charge Velocity (FPS)
Speer 90g TNT	CCI #450	2.200"	Hodgdon® Benchmark™	30.0	2,800	30.5	2,880
Lapua 100g Scenar	CCI #450	2.260"	VihtaVuori N133	27.0	2,640	27.5	2,710
			VihtaVuori N135	27.2	2,600	28.3	2,720
			VihtaVuori N530	27.0	2,633	27.5	2,729
			Accurate® 2460®	27.5	2,614	30.2	2,810
			Hodgdon® H335®	N/A	N/A	29.4	2,786
Sierra 107g MatchKing	CCI #450	2.260"	Ramshot® TAC™	N/A	N/A	29.5	2,730
			VihtaVuori N135	27.0	2,536	27.3	2,605
			VihtaVuori N140	27.2	2,443	28.6	2,520
			VihtaVuori N530	25.7	2,554	26.3	2,590
			VihtaVuori N540	27.9	2,488	30.0	2,610
			Hodgdon® BL-C(2)®	N/A	N/A	32.0	2,730
			Hodgdon® H335®	28.0	2,541	28.9	2,650
Accurate® 2460®	N/A	N/A	29.3	N/A			
Lapua 108g Scenar	CCI #450	2.265"	Ramshot® TAC™	N/A	N/A	29.7	2,760
			VihtaVuori N135	27.0	2,536	27.3	2,620
			VihtaVuori N140	27.2	2,443	28.8	2,550
			VihtaVuori N530	25.7	2,554	26.5	2,600
			VihtaVuori N540	27.9	2,488	30.0	2,610
			Hodgdon® BL-C(2)®	N/A	N/A	32.0	2,730
			Hodgdon® H335®	28.0	2,541	29.0	2,660
Accurate® 2460®	N/A	N/A	29.4	N/A			
Lapua 108g Scenar (moly)	CCI #450	2.265"	Ramshot® TAC™	N/A	N/A	30.7	2,790
Barnes® 110g Banded Solids™	Wolf Small Rifle Magnum	2.250"	Ramshot® TAC™	27.5	2,445	29.6	2,600
			VihtaVuori N135	27.1	2,400	27.5	2,560
			VihtaVuori N530	25.0	2,441	26.0	2,535
			Winchester® 748	30.0	2,527	30.5	2,585
			Hodgdon® Benchmark™	25.0	2,380	26.8	2,510

			Hodgdon® H335®	27.0	N/A	28.0	2,577
Sierra 120g MatchKing	CCI #450	2.220"	Hodgdon® BL-C(2)®	31.5	2,540	31.7	2,570
			Accurate® 2520®	N/A	N/A	30.6	N/A
			Ramshot® TAC™	27.5	2,436	28.8	2,560
			VihtaVuori N135	26.2	2,410	26.4	2,430
			VihtaVuori N140	26.5	2,325	28.0	2,431
			VihtaVuori N540	28.0	2,300	28.6	2,475
Berger® 120g Match Tactical	CCI #450	2.240"	Hodgdon® BL-C(2)®	N/A	N/A	30.0	2,516
			Winchester® 748	27.7	2,402	30.0	2,525
			Ramshot® TAC™	28.1	2,430	28.5	2,515
Nosler® 120g Ballistic Tip®	CCI #450	2.245"	Hodgdon® BL-C(2)®	31.5	2,540	31.7	2,570
			Accurate® 2520®	N/A	N/A	30.6	N/A
			Ramshot® TAC™	27.5	2,436	28.8	2,560
			VihtaVuori N135	26.2	2,410	26.4	2,430
			VihtaVuori N140	26.5	2,325	28.0	2,431
			VihtaVuori N540	28.0	2,300	28.6	2,475
Norma® 120g FMJ BT	CCI #450	2.250"	Accurate® 2520®	30.7	2,649	31.0	2,670
			Ramshot® TAC™	27.5	2,440	28.8	2,562
			Hodgdon® BL-C(2)®	31.5	2,578	31.8	2,602
Barnes® 120g TSX®	Wolf Small Rifle Magnum	2.230"	VihtaVuori N135	27.0	2,246	30.0	2,503
			VihtaVuori N140	26.4	2,220	28.3	2,397
			VihtaVuori N540	26.4	2,231	28.5	2,404
			Winchester® 748	27.0	2,246	30.0	2,503
			Hodgdon® BL-C(2)®	29.7	2,363	30.8	2,495
Lapua 123g Scenar	CCI #450	2.265"	Accurate® 2520®	N/A	N/A	30.7	2,630
			Winchester® 748	30.0	2,475	30.5	2,590
			VihtaVuori N140	26.5	2,310	27.9	2,430
			VihtaVuori N540	28.0	2,360	28.6	2,470
			Hodgdon® BL-C(2)®	31.5	2,545	31.8	2,570
			Hodgdon® H4895™	27.0	2,423	27.7	2,450
			Hodgdon® Varget™	28.0	2,358	28.5	2,400
Sierra 123g MatchKing	CCI #450	2.260"	Accurate® 2520®	N/A	N/A	30.8	2,630
			Winchester® 748	30.0	2,475	30.5	2,590
			VihtaVuori N140	26.5	2,310	27.9	2,430
			VihtaVuori N540	28.0	2,360	28.6	2,470
			Hodgdon® BL-C(2)®	31.5	2,545	31.8	2,570
			Hodgdon® H4895™	27.0	2,423	27.7	2,450
			Hodgdon® Varget™	28.0	2,358	28.5	2,400
Hornady® 129g SST®	CCI #450	2.260"	Hodgdon® BL-C(2)®	29.0	2,300	31.0	2,467
			Accurate® 2520®	N/A	N/A	29.4	N/A
Norma® 130g HPBT	CCI #450	2.265"	Hodgdon® BL-C(2)®	N/A	N/A	29.0	2,400
Swift™ 130g Scirroco®	CCI #450	2.260"	Hodgdon® BL-C(2)®	29.0	2,310	29.4	2,398
			Hodgdon® Varget™	26.0	2,235	27.0	2,312
			VihtaVuori N540	27.2	2,278	28.0	2,410
			Ramshot® Big Game™	28.0	2,163	30.0	2,350
			Winchester® 748	28.0	2,300	29.0	2,380
Berger® 130g VLD	CCI #450	2.265"	Hodgdon® BL-C(2)®	N/A	N/A	29.0	2,370
Lapua 140g Naturalis	CCI #450	2.260"	Hodgdon® H4895™	26.0	2,100	26.4	2,240
			Hodgdon® Varget™	27.0	2,175	27.8	2,220
Lapua 144g FMJBT	CCI #450	2.250"	Accurate® 2520®	N/A	N/A	29.0	N/A