

CARTRIDGE: .300 Rem Ultra Mag

Bullet: .308, 198, Flatline, Friction Proofed
Useable Case Capacity: 93.405 grain H₂O = 6.065 cm³
Cartridge O.A.L. L6: 3.598 inch = 91.39 mm
Barrel Length: 28.0 inch = 711.2 mm



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Predicted Data for Indicated Charges of the Following Powders.

Matching Maximum Pressure: 56854 psi, or 392 Mpa

These calculations refer to your specified settings in QuickLOAD 'Cartridge Dimensions' window.

CAUTION: any load listed can result in a powder charge that falls below minimum suggested loads or exceeds maximum suggested loads as presented in current handloading manuals. Understand that all of the listed powders can be unsuitable for the given combination of cartridge, bullet and gun. Actual load order can vary, depending upon lot-to-lot powder and component variations. While none of the following loads should yield pressure signs, we recommend a 2 to 3 grain reduction in the load prior to starting your ladder test(s) **USE ONLY FOR COMPARISON**

Type	mc (gr)	fill (%)	vel (fps)	Pmax (psi)	Z (%)	t (ms)	Pmuz (psi)
Vihtavuori N570	89.7770	99.0000	3042.1324	56854.7709	99.0321	1.4305	12377.2611
Alliant Reloder-33	93.4053	100.0000	3002.8230	55367.9237	99.1051	1.4527	12157.7010
Vihtavuori N560	79.5936	90.0000	2976.2518	56854.7709	99.9692	1.4262	11058.7797
Norma MRP 2	84.3291	98.0000	2971.8700	56854.7709	100.0000	1.4438	10950.3246
Bofors RP30	84.3291	98.0000	2971.8700	56854.7709	100.0000	1.4438	10950.3246
Accurate MAGPRO	83.1314	91.0000	2970.8515	56854.7709	99.6668	1.4370	11229.9697
PB Clermont PCL 517	85.8711	93.0000	2970.4862	56854.7709	100.0000	1.4294	10776.5552
SNPE Vectan SP 12	85.7279	93.0000	2969.1300	56854.7709	100.0000	1.4297	10750.4474
IMR 7828	79.2294	95.0000	2965.9497	56854.7709	100.0000	1.4157	10684.2163
IMR 7828 SSC	79.2294	90.0000	2965.9497	56854.7709	100.0000	1.4157	10684.2163
ReloadSwiss RS 80	93.4053	100.0000	2962.1246	52425.5149	99.1680	1.4842	12013.1913
Alliant Reloder-26	81.0102	88.0000	2961.8280	56854.7709	100.0000	1.4503	10413.5918
Norma MRP	79.7008	89.0000	2960.8818	56854.7709	100.0000	1.4371	10566.1813
ADI AR 2218	91.7207	100.0000	2960.6455	50475.2817	98.4864	1.4810	12436.4605
ADI AR 2213	78.9569	91.0000	2956.5332	56854.7709	99.9995	1.4116	10635.2402
ADI AP 2214	84.5754	95.0000	2955.7385	56854.7709	100.0000	1.4123	10443.8213
ReloadSwiss RS 70	79.0853	86.0000	2954.1641	56854.7709	100.0000	1.4193	10263.6964
ADI AR 2217	84.7463	100.0000	2953.3583	56854.7709	100.0000	1.4125	10414.1676
Hodgdon H1000	84.7463	100.0000	2953.3583	56854.7709	100.0000	1.4125	10414.1676
Alliant Reloder-25	81.9906	96.0000	2950.1580	56854.7709	100.0000	1.4310	10160.3568
Alliant Reloder-22	79.0045	91.0000	2945.2769	56854.7709	100.0000	1.4333	10502.1448
Raufoss RA15	79.0045	91.0000	2945.2769	56854.7709	100.0000	1.4333	10502.1448
Winchester WXR	79.3832	93.0000	2944.7369	56854.7709	100.0000	1.4337	10521.6848
Bofors RP15	79.3832	93.0000	2944.7369	56854.7709	100.0000	1.4337	10521.6848
ADI AR 2225	86.5731	100.0000	2929.2861	52173.6125	100.0000	1.4770	10613.1893
Hodgdon Retumbo	86.5731	100.0000	2929.2861	52173.6125	100.0000	1.4770	10613.1893
Rottweil R905	78.7753	92.0000	2926.6999	56854.7709	99.9575	1.4307	10427.4409
Ramshot Magnum	85.3006	91.0000	2918.2775	56854.7709	100.0000	1.4388	10000.2446

ADI AR 2209	75.2721	88.0000	2915.0851	56854.7709	100.0000	1.4154	10038.4955
Alliant Reloder-19	75.9743	88.0000	2911.2753	56854.7709	100.0000	1.4234	10069.1075
Hodgdon H4831	78.1138	93.0000	2899.3479	56854.7709	99.9044	1.4217	10129.3471
Hodgdon H4831 SC	78.1138	90.0000	2899.3479	56854.7709	99.9044	1.4217	10129.3471
Raufoss RA4	74.6449	87.0000	2893.9344	56854.7709	100.0000	1.4220	9863.2821
Vihtavuori 24N41	91.7207	100.0000	2884.3741	53015.3851	93.9345	1.4659	11259.0783
Alliant Reloder-23	78.0332	93.0000	2883.3641	56854.7709	100.0000	1.4494	9439.1539
Alliant Reloder-16	71.3709	85.0000	2876.5937	56854.7709	100.0000	1.4407	9270.1525
Rottweil R904	74.4087	88.0000	2874.3405	56854.7709	99.9891	1.4209	9726.3093
Lovex D100	92.2636	100.0000	2874.1544	56854.7709	95.3950	1.4405	10585.3867
Somchem S385	76.9620	88.0000	2869.7224	56854.7709	100.0000	1.4477	9562.2844
Winchester Supreme 780	79.4843	88.0000	2867.4039	56854.7709	100.0000	1.4346	9608.7697
Norma 217	84.7948	100.0000	2866.0837	48113.5853	100.0000	1.5598	10851.0527
Hodgdon H870	88.9129	100.0000	2857.7753	47329.0811	98.7267	1.5606	11542.9121
Vihtavuori N165	79.4668	93.0000	2856.0954	56854.7709	100.0000	1.4401	9366.3357
Vihtavuori N160	77.2727	94.0000	2855.9713	56854.7709	99.9855	1.4270	9543.2939
Lovex S071	78.5113	96.0000	2846.0189	56854.7709	100.0000	1.4698	9251.0268
Accurate 3100	78.5113	91.0000	2846.0189	56854.7709	100.0000	1.4698	9251.0268
IMR 4831	72.3821	88.0000	2845.6930	56854.7709	100.0000	1.4494	9059.1548
Somchem S361	79.6818	87.0000	2844.5590	56854.7709	99.8887	1.4364	9582.1594
Alliant Reloder-50	93.1245	100.0000	2839.7745	46317.9297	96.9851	1.6089	12006.3858
Vihtavuori N170	85.1692	100.0000	2830.9224	52857.6911	97.1597	1.4976	10495.5321
Hodgdon Hybrid 100V	71.5682	86.0000	2815.3088	56854.7709	100.0000	1.4431	8570.9196
Hodgdon 50BMG	87.4154	100.0000	2710.1586	44010.6767	86.8032	1.6073	10774.2034
Hodgdon US 869	91.7207	100.0000	2709.7604	44028.4678	90.9472	1.6133	10675.4675
SNPE Vectan SP 13	87.9770	100.0000	2658.4825	41145.1739	94.6421	1.6752	10364.0882
Accurate 8700	89.8488	100.0000	2643.5487	39491.7922	94.3735	1.6848	10401.8411
Vihtavuori 20N29	92.6566	100.0000	2626.6996	38926.9659	91.6531	1.7179	10569.6127