

CARTRIDGE: .300 Rem Ultra Mag

Bullet: .308, 180, Flatline - F T/R

Useable Case Capacity: 102.525 grain H₂O = 6.657 cm³

Cartridge O.A.L. L6: 3.950 inch = 100.33 mm

Barrel Length: 29.0 inch = 736.6 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	97.7929	98.0000	3318.0735	56854.7709	98.1012	1.3631	12204.7590
Alliant Reloder-33	102.3782	100.0000	3296.8629	56854.7709	98.4661	1.3695	12005.4481
Vihtavuori N560	86.8929	90.0000	3264.9795	56854.7709	99.6536	1.3544	11083.2592
ReloadSwiss RS 80	102.5252	100.0000	3259.3548	54266.3541	98.6009	1.3939	11870.8678
Alliant Reloder-26	88.2639	87.0000	3258.9911	56854.7709	100.0000	1.3767	10419.9706
IMR 7828 SSC	86.5508	89.0000	3257.3157	56854.7709	99.8403	1.3430	10747.0643
IMR 7828	86.5508	94.0000	3257.3157	56854.7709	99.8403	1.3430	10747.0643
Bofors RP30	91.8657	97.0000	3256.0097	56854.7709	99.9609	1.3734	10956.7095
Norma MRP 2	91.8657	97.0000	3256.0097	56854.7709	99.9609	1.3734	10956.7095
PB Clermont PCL 517	93.6409	93.0000	3254.9158	56854.7709	99.9827	1.3588	10786.4343
Norma MRP	86.9452	88.0000	3254.8695	56854.7709	100.0000	1.3643	10605.3422
ADI AR 2218	100.6760	100.0000	3254.8137	52035.3145	97.6449	1.3931	12268.7786
SNPE Vectan SP 12	93.4838	93.0000	3253.7804	56854.7709	99.9890	1.3589	10761.6483
ReloadSwiss RS 70	86.4011	86.0000	3252.6336	56854.7709	100.0000	1.3454	10315.6426
Accurate MAGPRO	90.6555	90.0000	3251.2565	56854.7709	99.0503	1.3671	11178.6166
ADI AR 2213	86.2970	90.0000	3247.8923	56854.7709	99.8101	1.3387	10686.9678
Alliant Reloder-25	89.4756	95.0000	3246.9307	56854.7709	100.0000	1.3575	10174.8240
ADI AP 2214	92.3520	94.0000	3242.4364	56854.7709	99.9658	1.3409	10478.0246
ADI AR 2217	92.5367	99.0000	3239.6599	56854.7709	99.9646	1.3412	10447.3666
Hodgdon H1000	92.5367	99.0000	3239.6599	56854.7709	99.9646	1.3412	10447.3666
Raufoss RA15	86.2361	90.0000	3235.7694	56854.7709	99.9999	1.3608	10561.7943
Alliant Reloder-22	86.2361	90.0000	3235.7694	56854.7709	99.9999	1.3608	10561.7943
ADI AR 2225	95.0258	100.0000	3235.2724	53541.7525	100.0000	1.3879	10612.8765
Hodgdon Retumbo	95.0258	100.0000	3235.2724	53541.7525	100.0000	1.3879	10612.8765
Winchester WXR	86.6448	93.0000	3234.3565	56854.7709	99.9966	1.3614	10578.0483
Bofors RP15	86.6448	93.0000	3234.3565	56854.7709	99.9966	1.3614	10578.0483
Rottweil R905	86.0248	92.0000	3212.2004	56854.7709	99.6266	1.3584	10464.3530
ADI AR 2209	82.3073	88.0000	3208.8678	56854.7709	99.9869	1.3405	10138.6668

Alliant Reloder-19	83.0631	88.0000	3203.6311	56854.7709	99.9906	1.3490	10160.8400
Ramshot Magnum	93.0009	90.0000	3202.0880	56854.7709	100.0000	1.3668	10009.6376
Raufoss RA4	81.6435	86.0000	3185.9026	56854.7709	99.9653	1.3469	9967.8472
Hodgdon H4831 SC	85.3786	89.0000	3183.9812	56854.7709	99.5029	1.3481	10160.3729
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Alliant Reloder-23	85.1218	92.0000	3179.5977	56854.7709	100.0000	1.3738	9467.8258
Norma 217	93.0739	100.0000	3168.6395	49943.5610	100.0000	1.4563	10856.3882
Vihtavuori 24N41	100.6760	100.0000	3164.5540	54432.0017	92.6591	1.3812	11049.4441
Rottweil R904	81.4322	87.0000	3163.3649	56854.7709	99.7497	1.3460	9817.0968
Somchem S385	84.0266	88.0000	3157.0636	56854.7709	100.0000	1.3744	9639.4132
Winchester Supreme 780	86.8094	87.0000	3150.7795	56854.7709	99.9908	1.3612	9666.3940
Hodgdon H870	97.5941	100.0000	3148.2393	49142.0662	98.0452	1.4582	11414.9964
Hodgdon H4350	79.5921	86.0000	3147.2509	56854.7709	100.0000	1.3469	9399.7862
IMR 4831	79.0593	87.0000	3142.5765	56854.7709	100.0000	1.3727	9149.7336
Vihtavuori N165	86.7715	93.0000	3140.1317	56854.7709	100.0000	1.3663	9430.6285
Vihtavuori N160	84.5030	93.0000	3139.6624	56854.7709	99.7402	1.3527	9608.8768
Alliant Reloder-50	102.2170	100.0000	3131.8058	48876.0164	96.2240	1.4947	11800.6908
Lovex S071	85.4905	96.0000	3129.5532	56854.7709	100.0000	1.3972	9289.7642
Accurate 3100	85.4905	90.0000	3129.5532	56854.7709	100.0000	1.3972	9289.7642
Lovex D100	100.5811	99.0000	3129.4056	56854.7709	93.9063	1.3734	10351.3398
Somchem S361	87.1108	87.0000	3122.3876	56854.7709	99.4977	1.3641	9608.9497
Hodgdon Hybrid 100V	78.2110	86.0000	3114.2278	56854.7709	100.0000	1.3642	8663.5163
Vihtavuori N170	93.4849	100.0000	3110.9898	54147.6394	96.1602	1.4117	10395.9646
Hodgdon US 869	100.6760	100.0000	2977.2058	45855.8798	89.6551	1.4996	10443.4608
Hodgdon 50BMG	95.9504	100.0000	2975.3907	45643.4285	85.2387	1.4946	10530.9759
SNPE Vectan SP 13	96.5668	100.0000	2928.3529	43119.1593	93.5640	1.5433	10189.8835
Accurate 8700	98.6214	100.0000	2913.2870	41429.1840	93.2845	1.5458	10207.9026
Vihtavuori 20N29	101.7033	100.0000	2895.0519	41194.5112	90.5813	1.5701	10339.8387