

CARTRIDGE: 7 mm Rem SA Ultra Mag

Bullet: .284, 151, Flatline

Useable Case Capacity: 65.504 grain H₂O = 4.253 cm³

Cartridge O.A.L. L6: 3.045 inch = 77.34 mm

Barrel Length: 26.0 inch = 660.4 mm



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Predicted Data for Indicated Charges of the Following Powders.

Matching Maximum Pressure: 56875 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)
ReloadSwiss RS 60	59.6274	94.0000	3300.3432	56875.0761	100.0000	1.1634	10198.3097
ReloadSwiss RS 70	64.3223	100.0000	3286.2989	56193.2682	99.2121	1.1685	11023.3332
Alliant Reloder-17	59.0037	93.0000	3275.4109	56875.0761	100.0000	1.1708	10136.2124
Elcho 17	59.0037	93.0000	3275.4109	56875.0761	100.0000	1.1708	10136.2124
Alliant Reloder-16	58.5816	100.0000	3247.5993	56875.0761	100.0000	1.1829	10017.0950
Somchem S365	59.9513	100.0000	3241.0164	56875.0761	100.0000	1.1856	9677.9889
ReloadSwiss RS 62	61.0789	97.0000	3240.9815	56875.0761	99.9320	1.1915	10234.5867
PB Clermont PCL 511	60.8283	95.0000	3234.0182	56875.0761	99.4350	1.1806	10360.9050
Alliant Reloder-26	64.9130	100.0000	3233.8552	49956.2554	99.6839	1.2406	11253.6001
Ramshot Hunter	60.9188	98.0000	3232.4980	56875.0761	99.4320	1.1807	10345.9056
Winchester 760	58.8934	92.0000	3227.5477	56875.0761	98.9291	1.1829	10347.0326
Hodgdon H414	58.8934	92.0000	3227.5477	56875.0761	98.9291	1.1829	10347.0326
Norma URP	58.0647	97.0000	3215.7816	56875.0761	99.9520	1.1870	9967.5568
Vihtavuori N550	58.2146	94.0000	3213.9042	56875.0761	99.9184	1.1922	10077.3246
Accurate 4350	58.3656	97.0000	3212.6071	56875.0761	99.9636	1.2046	9963.5122
Norma 204	60.3649	97.0000	3201.5918	56875.0761	97.3951	1.1768	10266.8239
Raufoss RA4	60.3649	100.0000	3201.5918	56875.0761	97.3951	1.1768	10266.8239
SNPE Vectan SP 11	56.5570	91.0000	3194.2186	56875.0761	100.0000	1.1857	9580.3946
ReloadSwiss RS 52	55.0586	88.0000	3188.8717	56875.0761	100.0000	1.1928	9330.6238
Ramshot Big Game	56.4674	88.0000	3188.0386	56875.0761	100.0000	1.1861	9486.3158
IMR 4895	52.7431	87.0000	3183.9196	56875.0761	100.0000	1.1930	9501.3080
Norma MRP	63.0096	100.0000	3179.6783	49390.2792	97.7346	1.2478	11060.2517
ADI AR 2209	60.0560	100.0000	3178.5853	54033.8457	96.9925	1.1944	10351.4902
Hodgdon Hybrid 100V	58.3524	100.0000	3176.6243	56875.0761	100.0000	1.1858	9185.5417
Alliant Reloder-15	53.2300	88.0000	3175.3405	56875.0761	100.0000	1.1930	9475.4769
Raufoss RA11	53.2300	88.0000	3175.3405	56875.0761	100.0000	1.1930	9475.4769
Norma 203B	53.4843	89.0000	3172.1461	56875.0761	100.0000	1.1946	9394.0343
Hodgdon H380	55.2647	90.0000	3166.6890	56875.0761	99.8420	1.1976	9603.3804

Lovex S070	57.7270	97.0000	3165.0726	56875.0761	98.9910	1.1994	9811.4687
Hodgdon H4350	58.6270	99.0000	3161.3485	56875.0761	98.3754	1.1832	9743.2800
Bofors RP3	54.9135	90.0000	3161.3371	56875.0761	100.0000	1.2088	9252.3680
Norma 203 old	54.9135	90.0000	3161.3371	56875.0761	100.0000	1.2088	9252.3680
Alliant Reloder-19	60.3842	100.0000	3161.0335	53044.5935	96.9290	1.2120	10365.2274
IMR 4350	58.4982	97.0000	3160.9086	56875.0761	98.4539	1.1831	9728.1151
IMR 4320	53.5340	90.0000	3158.5362	56875.0761	100.0000	1.1781	9138.2096
PB Clermont PCL 516	55.5287	86.0000	3157.8104	56875.0761	99.8241	1.1883	9481.2238
Hodgdon H4895	51.3332	85.0000	3156.4686	56875.0761	100.0000	1.1925	9175.5309
Rottweil R903	54.9562	92.0000	3156.0591	56875.0761	100.0000	1.2082	9181.5286
ADI AR 2206H	51.5552	85.0000	3155.6402	56875.0761	100.0000	1.1917	9231.6749
Somchem S355	54.3497	92.0000	3150.1515	56875.0761	100.0000	1.2020	9179.6352
SNPE Vectan SP 9	53.6482	86.0000	3147.6232	56875.0761	100.0000	1.1892	9156.4260
Winchester Supreme 780	63.6659	100.0000	3147.3648	55171.8441	97.1868	1.1965	9944.0332
ReloadSwiss RS 50	56.1814	89.0000	3147.1868	56875.0761	99.2020	1.1922	9530.2710
Rottweil R904	59.5309	100.0000	3144.7391	55740.6659	96.1396	1.1913	9901.2474
Lovex S065	56.3652	95.0000	3142.7282	56875.0761	99.5529	1.1995	9477.4536
Rottweil R907	55.8807	94.0000	3140.6544	56875.0761	98.4070	1.1938	9614.3406
Bofors RP7	55.8807	94.0000	3140.6544	56875.0761	98.4070	1.1938	9614.3406
IMR 4007 SSC	55.9219	91.0000	3139.8737	56875.0761	98.4041	1.1939	9607.3475
IMR 4831	57.8244	100.0000	3136.8264	53320.7845	99.8512	1.2316	9663.4242
IMR 7828 SSC	62.0251	100.0000	3135.0340	49651.2700	94.4519	1.2373	10677.3078
IMR 4064	52.1171	91.0000	3130.3484	56875.0761	100.0000	1.1875	8974.6806
IMR 3031	49.3568	87.0000	3130.2347	56875.0761	100.0000	1.1978	8499.4916
Lovex D073.6	53.0037	85.0000	3125.6813	56875.0761	100.0000	1.2115	8688.8046
Somchem S361	64.0335	100.0000	3124.9687	56875.0761	95.5107	1.1938	9712.2337
Lovex S062	52.3492	89.0000	3124.5131	56875.0761	100.0000	1.2031	8822.1962
Accurate 4064	52.8206	89.0000	3118.5991	56875.0761	100.0000	1.2308	8669.6304
Norma 201	51.0641	86.0000	3115.0622	56875.0761	100.0000	1.2054	8783.7183
Somchem S385	61.0405	100.0000	3114.2875	52461.6179	97.7325	1.2405	9955.4219
Vihtavuori N150	55.2964	97.0000	3106.0315	56875.0761	100.0000	1.2008	8634.3756
Rottweil R902	51.2949	88.0000	3105.9109	56875.0761	100.0000	1.2067	8677.8571
Vihtavuori N560	61.6969	100.0000	3105.7149	47219.6256	93.2892	1.2728	10839.3277
Vihtavuori N540	53.6819	88.0000	3104.0523	56875.0761	100.0000	1.2004	8620.9562
Norma 202	50.9147	86.0000	3103.3685	56875.0761	100.0000	1.2008	8485.8407
ADI AR 2213	61.0405	100.0000	3092.5589	48461.8968	93.8815	1.2510	10452.2338
Accurate 2700	57.5936	91.0000	3086.4243	56875.0761	98.2269	1.1987	9060.1158
Alliant Reloder-22	61.0405	100.0000	3084.8463	46704.9549	95.5263	1.2833	10562.5753
Raufoss RA15	61.0405	100.0000	3084.8463	46704.9549	95.5263	1.2833	10562.5753
Hodgdon H4831 SC	61.0405	100.0000	3082.0784	50825.3962	93.9646	1.2343	9967.8846
Accurate MAGPRO	64.1910	100.0000	3067.0978	46017.9285	91.0176	1.2945	10737.4020
Vihtavuori N135	51.0379	93.0000	3065.2599	56875.0761	100.0000	1.2104	7976.5594
Ramshot Magnum	65.7663	100.0000	3038.3042	45812.4415	95.8531	1.2902	10183.7198
Alliant Reloder-23	59.0715	100.0000	3006.8008	42629.2444	99.4972	1.3392	9854.9568
Rottweil R905	59.9247	100.0000	3004.6382	45060.6520	92.5433	1.3069	10017.0589
Winchester WXR	59.7278	100.0000	2996.2512	42885.1302	94.0503	1.3356	10265.8918
Bofors RP15	59.7278	100.0000	2996.2512	42885.1302	94.0503	1.3356	10265.8918

Accurate 3100	60.3842	100.0000	2993.3048	46188.6092	97.8915	1.3287	9569.6541
SNPE Vectan SP 12	64.4536	100.0000	2967.6252	41799.8241	92.1054	1.3432	10366.2095
PB Clermont PCL 517	64.4536	100.0000	2961.1187	41569.3441	91.8429	1.3468	10351.2023
Hodgdon H4831	58.6777	100.0000	2954.0378	44667.5938	91.9033	1.3095	9539.5079
IMR 7828	58.6777	100.0000	2945.1132	41352.3839	91.2297	1.3472	10017.8960
Vihtavuori N165	59.7278	100.0000	2930.4977	43916.9438	95.1720	1.3306	9248.1647
Alliant Reloder-25	60.0560	100.0000	2927.6373	38688.0168	96.5445	1.3926	10190.0100
Vihtavuori N160	57.8901	100.0000	2923.2229	45206.2421	93.1211	1.3127	9093.6276