

CARTRIDGE: 7 mm Rem SA Ultra Mag

Bullet: .284, 151, Flatline

Useable Case Capacity: 65.496 grain H₂O = 4.253 cm³

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

Barrel Length: 24.0 inch = 609.6 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 70	63.9805	99.0000	3185.4482	56875.0761	99.1796	1.1286	12118.5375
ReloadSwiss RS 60	59.0384	93.0000	3185.0945	56875.0761	100.0000	1.1310	11193.8354
Elcho 17	58.4080	92.0000	3160.1242	56875.0761	100.0000	1.1385	11121.8088
Alliant Reloder-17	58.4080	92.0000	3160.1242	56875.0761	100.0000	1.1385	11121.8088
Alliant Reloder-26	64.9049	100.0000	3152.6561	51820.6839	99.7440	1.1877	12402.0081
Alliant Reloder-16	57.9934	99.0000	3133.7582	56875.0761	100.0000	1.1498	10999.4161
ReloadSwiss RS 62	60.4748	96.0000	3127.4470	56875.0761	99.8900	1.1583	11235.9344
Somchem S365	59.3324	99.0000	3127.3496	56875.0761	100.0000	1.1531	10629.8475
PB Clermont PCL 511	60.2536	94.0000	3121.2637	56875.0761	99.3355	1.1467	11355.0733
Ramshot Hunter	60.3441	97.0000	3119.8721	56875.0761	99.3326	1.1468	11338.6978
Hodgdon H414	58.3369	91.0000	3115.2687	56875.0761	98.8062	1.1488	11339.2840
Winchester 760	58.3369	91.0000	3115.2687	56875.0761	98.8062	1.1488	11339.2840
Norma URP	57.5080	96.0000	3103.6252	56875.0761	99.9201	1.1532	10931.4827
Vihtavuori N550	57.6611	93.0000	3101.4751	56875.0761	99.8779	1.1581	11043.0542
Accurate 4350	57.7933	96.0000	3100.2853	56875.0761	99.9342	1.1710	10936.9960
Norma MRP	63.0017	100.0000	3098.7437	51083.3874	97.8720	1.1953	12196.8568
ADI AR 2209	60.0485	100.0000	3097.0011	55607.9608	97.1401	1.1445	11421.9274
Norma 204	59.8262	96.0000	3091.4885	56875.0761	97.2285	1.1423	11244.1187
Raufoss RA4	59.8262	99.0000	3091.4885	56875.0761	97.2285	1.1423	11244.1187
SNPE Vectan SP 11	56.0150	90.0000	3083.1152	56875.0761	100.0000	1.1516	10507.4403
Alliant Reloder-19	60.3767	100.0000	3079.0152	54646.5185	97.0665	1.1616	11434.3262
Ramshot Big Game	55.9250	87.0000	3077.4627	56875.0761	100.0000	1.1518	10409.2470
ReloadSwiss RS 52	54.5075	87.0000	3077.2129	56875.0761	100.0000	1.1591	10231.1976
IMR 4895	52.2369	87.0000	3072.7410	56875.0761	100.0000	1.1585	10413.4852
Winchester Supreme 780	63.6346	100.0000	3067.5991	56875.0761	97.3283	1.1459	10974.4107
Hodgdon Hybrid 100V	57.7909	99.0000	3067.4138	56875.0761	100.0000	1.1517	10092.9825
Alliant Reloder-15	52.7240	87.0000	3064.8514	56875.0761	99.9993	1.1583	10388.6995
Raufoss RA11	52.7240	87.0000	3064.8514	56875.0761	99.9993	1.1583	10388.6995

Norma 203B	52.9778	88.0000	3061.9078	56875.0761	100.0000	1.1598	10298.9316
IMR 7828 SSC	62.0173	100.0000	3056.9708	51171.0016	94.6722	1.1853	11795.0100
Hodgdon H380	54.7465	89.0000	3056.6126	56875.0761	99.7951	1.1630	10523.7968
Rottweil R904	59.3799	100.0000	3056.5242	56875.0761	96.2048	1.1454	10907.3413
Lovex S070	57.2045	96.0000	3056.0089	56875.0761	98.8862	1.1642	10750.8790
IMR 4831	57.8172	100.0000	3054.2432	54973.7111	99.8839	1.1805	10650.8481
Hodgdon H4350	58.1108	98.0000	3053.5290	56875.0761	98.2530	1.1477	10678.3426
IMR 4350	57.9825	97.0000	3053.0787	56875.0761	98.3342	1.1478	10661.8772
Norma 203 old	54.3854	89.0000	3051.4352	56875.0761	100.0000	1.1741	10146.7364
Bofors RP3	54.3854	89.0000	3051.4352	56875.0761	100.0000	1.1741	10146.7364
IMR 4320	53.0426	89.0000	3050.0464	56875.0761	100.0000	1.1432	10023.6629
Rottweil R903	54.4190	91.0000	3046.2815	56875.0761	100.0000	1.1738	10073.9558
Somchem S355	53.8383	91.0000	3041.0345	56875.0761	100.0000	1.1671	10065.0665
ReloadSwiss RS 50	55.6804	89.0000	3039.3508	56875.0761	99.1151	1.1568	10444.5375
SNPE Vectan SP 9	53.1615	85.0000	3039.3370	56875.0761	100.0000	1.1538	10038.7103
Lovex S065	55.8605	95.0000	3034.7572	56875.0761	99.4840	1.1639	10386.7379
Somchem S385	61.0329	100.0000	3034.3974	54102.6686	97.8602	1.1885	10985.8598
Bofors RP7	55.3942	93.0000	3033.2179	56875.0761	98.2943	1.1581	10530.4221
Rottweil R907	55.3942	93.0000	3033.2179	56875.0761	98.2943	1.1581	10530.4221
IMR 4007 SSC	55.4362	91.0000	3032.5380	56875.0761	98.2918	1.1582	10522.9489
Vihtavuori N560	61.6892	100.0000	3026.7258	48731.9732	93.4976	1.2198	11965.6408
IMR 4064	51.6384	91.0000	3022.6530	56875.0761	99.9999	1.1521	9842.3534
IMR 3031	48.8517	87.0000	3020.8976	56875.0761	100.0000	1.1635	9316.4659
Somchem S361	63.4984	99.0000	3019.9989	56875.0761	95.3289	1.1575	10647.2991
Lovex S062	51.8550	88.0000	3016.5486	56875.0761	100.0000	1.1676	9673.4171
ADI AR 2213	61.0329	100.0000	3014.4441	49887.8741	94.0955	1.1987	11538.5757
Accurate 4064	52.2823	89.0000	3009.7542	56875.0761	100.0000	1.1959	9508.8564
Norma 201	50.5926	86.0000	3007.5052	56875.0761	100.0000	1.1699	9626.6696
Raufoss RA15	61.0329	100.0000	3005.5577	48239.4455	95.6988	1.2299	11650.7761
Alliant Reloder-22	61.0329	100.0000	3005.5577	48239.4455	95.6988	1.2299	11650.7761
Hodgdon H4831 SC	61.0329	100.0000	3004.0603	52334.7614	94.1651	1.1825	11006.6041
Vihtavuori N150	54.7816	96.0000	2999.2482	56875.0761	100.0000	1.1655	9468.0604
Rottweil R902	50.8216	87.0000	2999.0059	56875.0761	100.0000	1.1708	9514.5764
Vihtavuori N540	53.1969	87.0000	2997.1647	56875.0761	100.0000	1.1648	9438.8489
Accurate MAGPRO	64.1830	100.0000	2990.8390	47577.7771	91.2630	1.2400	11862.9319
Accurate 2700	57.1123	91.0000	2982.9247	56875.0761	98.1228	1.1619	9937.6652
Ramshot Magnum	65.7581	100.0000	2965.0589	47355.4704	96.0773	1.2346	11247.2686
Vihtavuori N135	50.5406	92.0000	2959.9430	56875.0761	100.0000	1.1748	8750.1241
Rottweil R905	59.9173	100.0000	2928.3461	46519.4012	92.7640	1.2527	11059.9969
Alliant Reloder-23	59.0641	100.0000	2927.9820	44093.5094	99.5622	1.2840	10850.7984
Winchester WXR	59.7204	100.0000	2918.5606	44282.4407	94.2373	1.2808	11320.5007
Bofors RP15	59.7204	100.0000	2918.5606	44282.4407	94.2373	1.2808	11320.5007
Accurate 3100	60.3767	100.0000	2917.3532	47824.2210	98.0282	1.2724	10554.6319
SNPE Vectan SP 12	64.4455	100.0000	2895.8256	43173.8677	92.3927	1.2858	11451.1200
PB Clermont PCL 517	64.4455	100.0000	2889.5062	42933.9576	92.1339	1.2891	11435.0110
Hodgdon H4831	58.6704	100.0000	2878.2035	45981.5921	92.1182	1.2554	10528.6272
IMR 7828	58.6704	100.0000	2870.3148	42615.2380	91.4786	1.2919	11060.5934

Vihtavuori N165	59.7204	100.0000	2855.4650	45333.4530	95.3538	1.2751	10206.9088
Alliant Reloder-25	60.0485	100.0000	2851.8963	39904.2837	96.7148	1.3354	11228.8120
ADI AP 2214	62.6736	100.0000	2849.5665	43087.3565	91.4216	1.2854	10887.7547
Vihtavuori N160	57.8828	100.0000	2847.4373	46531.1420	93.3127	1.2586	10037.5450
Lovex S071	57.0953	100.0000	2745.3259	39687.9346	95.8490	1.3895	10031.0065
Bofors RP30	60.3767	100.0000	2738.3454	35952.4875	89.2431	1.4094	10930.4621
Norma MRP 2	60.3767	100.0000	2738.3454	35952.4875	89.2431	1.4094	10930.4621
Vihtavuori N570	63.6580	100.0000	2687.4946	34658.8158	80.0976	1.4321	11027.4387
ADI AR 2217	59.7204	100.0000	2677.5129	36433.8640	87.6906	1.3921	10114.8907
Hodgdon H1000	59.7204	100.0000	2677.5129	36433.8640	87.6906	1.3921	10114.8907
ADI AR 2225	60.7048	100.0000	2608.7272	31969.8345	88.9022	1.4709	10534.9022
Hodgdon Retumbo	60.7048	100.0000	2608.7272	31969.8345	88.9022	1.4709	10534.9022
Alliant Reloder-33	65.4955	100.0000	2592.7480	32161.5557	78.2424	1.4830	10503.8667
Lovex D100	64.9705	100.0000	2563.3243	35667.3801	75.6371	1.4248	9049.4524
Vihtavuori N170	59.7204	100.0000	2533.7601	33115.0263	79.1609	1.4809	9177.7584
ReloadSwiss RS 80	65.4955	100.0000	2532.6390	30589.6444	77.0191	1.5146	10210.6717
Vihtavuori 24N41	64.3143	100.0000	2521.3697	33357.9247	71.4327	1.4554	9152.1488
ADI AR 2218	64.3143	100.0000	2503.6485	31352.5216	71.9782	1.4974	9799.8553
Norma 217	59.4579	100.0000	2497.0586	27690.0172	84.6857	1.5632	10212.4843
Hodgdon H870	62.3455	100.0000	2457.1013	28008.9017	76.6986	1.5764	9728.1408
Alliant Reloder-50	65.2987	100.0000	2373.7702	25287.8045	71.2458	1.6458	9575.9262