

CARTRIDGE: .300 PRC

Bullet: .308, 198, Flatline

Useable Case Capacity: 87.876 grain H₂O = 5.706 cm³

Cartridge O.A.L. L6: 3.840 inch = 97.54 mm

Barrel Length: 30.0 inch = 762.0 mm



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Predicted Data for Indicated Charges of the Following Powders.

Matching Maximum Pressure: 56875 psi, or 392 MPa or a maximum loading ratio or filling of 100 %

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)
PB Clermont PCL 517	84.0523	97.0000	3150.9342	56875.0761	99.9415	1.3945	10951.8765
SNPE Vectan SP 12	83.9093	97.0000	3149.5605	56875.0761	99.9542	1.3951	10924.2596
Alliant Reloder-26	79.2363	91.0000	3147.3121	56875.0761	100.0000	1.4190	10489.2941
Vihtavuori N560	77.6319	94.0000	3137.3182	56875.0761	99.5674	1.4048	11098.4924
Alliant Reloder-25	80.2810	100.0000	3136.6086	56875.0761	100.0000	1.3991	10257.3909
Accurate MAGPRO	81.1573	94.0000	3133.7271	56875.0761	98.8578	1.4124	11266.1096
Norma MRP	77.7878	92.0000	3133.0280	56875.0761	100.0000	1.4125	10641.6546
IMR 7828 SSC	77.3290	93.0000	3128.5762	56875.0761	99.7791	1.3926	10735.4685
IMR 7828	77.3290	98.0000	3128.5762	56875.0761	99.7791	1.3926	10735.4685
ReloadSwiss RS 70	77.2500	90.0000	3128.2394	56875.0761	100.0000	1.3941	10325.6755
ADI AP 2214	82.5242	98.0000	3122.6371	56875.0761	99.8886	1.3856	10574.7618
ADI AR 2213	76.9741	94.0000	3116.4684	56875.0761	99.7371	1.3904	10676.6134
Vihtavuori N570	85.4110	100.0000	3116.0411	51121.9761	96.5549	1.4625	12145.2829
Raufoss RA15	76.9925	94.0000	3107.7792	56875.0761	99.9938	1.4123	10571.8551
Alliant Reloder-22	76.9925	94.0000	3107.7792	56875.0761	99.9938	1.4123	10571.8551
Winchester WXR	77.3680	97.0000	3107.3714	56875.0761	99.9832	1.4126	10597.3505
Bofors RP15	77.3680	97.0000	3107.3714	56875.0761	99.9832	1.4126	10597.3505
Ramshot Magnum	83.3863	95.0000	3095.8488	56875.0761	100.0000	1.4062	10137.1063
Norma MRP 2	81.0084	100.0000	3094.5342	53781.1307	99.7563	1.4505	10996.5446
Bofors RP30	81.0084	100.0000	3094.5342	53781.1307	99.7563	1.4505	10996.5446
Rottweil R905	76.6842	95.0000	3078.7648	56875.0761	99.5197	1.4126	10431.1011
ReloadSwiss RS 60	70.5258	83.0000	3071.3258	56875.0761	100.0000	1.4087	9383.7784
ADI AR 2209	73.1587	91.0000	3064.5388	56875.0761	99.9691	1.4010	10038.7605
Alliant Reloder-19	73.8544	91.0000	3061.8169	56875.0761	99.9735	1.4094	10082.9016
Alliant Reloder-23	76.0878	96.0000	3055.2584	56875.0761	100.0000	1.4254	9448.6076
Alliant Reloder-16	68.3562	87.0000	3051.1901	56875.0761	100.0000	1.4058	9302.5164
PB Clermont PCL 518	73.2715	88.0000	3050.4072	56875.0761	100.0000	1.4176	9717.9645
Alliant Reloder-17	69.7929	82.0000	3049.3155	56875.0761	100.0000	1.4171	9317.2008

Elcho 17	69.7929	82.0000	3049.3155	56875.0761	100.0000	1.4171	9317.2008
Hodgdon H4831	75.9353	96.0000	3046.0383	56875.0761	99.3687	1.4058	10106.4219
Hodgdon H4831 SC	75.9353	93.0000	3046.0383	56875.0761	99.3687	1.4058	10106.4219
PB Clermont PCL 511	72.5540	84.0000	3045.8760	56875.0761	100.0000	1.4182	9636.7396
Ramshot Hunter	72.6713	87.0000	3044.6999	56875.0761	100.0000	1.4184	9625.0351
Winchester 760	70.2466	82.0000	3043.2791	56875.0761	100.0000	1.4197	9647.3580
Hodgdon H414	70.2466	82.0000	3043.2791	56875.0761	100.0000	1.4197	9647.3580
Raufoss RA4	72.4865	89.0000	3038.7373	56875.0761	99.9379	1.4100	9848.7319
Norma 204	72.4865	87.0000	3038.7373	56875.0761	99.9379	1.4100	9848.7319
ReloadSwiss RS 62	72.3973	85.0000	3036.5486	56875.0761	100.0000	1.4349	9401.0560
Alliant Reloder-33	87.8765	100.0000	3036.0512	47625.6557	95.9884	1.5035	11838.7620
Hodgdon H1000	80.1278	100.0000	3022.9317	51299.7198	99.4773	1.4520	10364.7550
ADI AR 2217	80.1278	100.0000	3022.9317	51299.7198	99.4773	1.4520	10364.7550
Somchem S385	74.7885	91.0000	3020.2639	56875.0761	100.0000	1.4337	9572.3227
Vihtavuori N550	69.4080	84.0000	3015.1457	56875.0761	100.0000	1.4315	9306.9195
Norma URP	69.1550	86.0000	3013.3895	56875.0761	100.0000	1.4278	9183.0391
Rottweil R904	72.2057	90.0000	3012.7901	56875.0761	99.6727	1.4117	9674.7006
IMR 4955 Enduron	73.9851	94.0000	3009.9598	56875.0761	99.4331	1.4089	9787.8918
Somchem S365	70.7184	88.0000	3009.4987	56875.0761	100.0000	1.4362	8885.7748
Vihtavuori N165	77.2886	96.0000	3009.2200	56875.0761	100.0000	1.4224	9408.4873
Accurate 4350	69.1949	85.0000	3005.2974	56875.0761	100.0000	1.4497	9123.7399
Accurate 3100	76.2370	94.0000	3000.6439	56875.0761	100.0000	1.4532	9251.3156
Lovex S071	76.2370	100.0000	3000.6439	56875.0761	100.0000	1.4532	9251.3156
Vihtavuori N160	75.0469	97.0000	2998.0067	56875.0761	99.6342	1.4154	9523.7751
Hodgdon Retumbo	81.4486	100.0000	2994.6192	46065.9780	100.0000	1.5163	10618.2869
ADI AR 2225	81.4486	100.0000	2994.6192	46065.9780	100.0000	1.5163	10618.2869
IMR 4831	70.2338	91.0000	2993.9845	56875.0761	100.0000	1.4388	8981.7201
Hodgdon H4350	70.5366	89.0000	2993.8660	56875.0761	100.0000	1.4156	9230.8099
IMR 4350	70.3775	87.0000	2992.5704	56875.0761	100.0000	1.4157	9205.3368
ReloadSwiss RS 80	87.8765	100.0000	2991.6279	45276.1867	95.9821	1.5284	11694.9308
Lovex S070	69.2611	86.0000	2988.1053	56875.0761	100.0000	1.4350	9192.7546
Somchem S361	77.4146	90.0000	2987.2994	56875.0761	99.3232	1.4237	9572.5161
SNPE Vectan SP 11	67.4431	81.0000	2985.5731	56875.0761	100.0000	1.4264	8840.1788
ADI AR 2218	86.2915	100.0000	2976.3439	44617.6776	94.3065	1.5222	11940.3354
IMR 4451 Enduron	67.0243	84.0000	2974.2530	56875.0761	100.0000	1.4118	9033.0049
Rottweil R907	67.4448	85.0000	2973.5878	56875.0761	100.0000	1.4270	9115.3759
Bofors RP7	67.4448	85.0000	2973.5878	56875.0761	100.0000	1.4270	9115.3759
IMR 4007 SSC	67.4991	82.0000	2972.9991	56875.0761	100.0000	1.4271	9110.0171
ReloadSwiss RS 50	67.5974	80.0000	2969.5641	56875.0761	100.0000	1.4268	8916.7534
Hodgdon Hybrid 100V	69.4578	89.0000	2963.5794	56875.0761	100.0000	1.4311	8472.4341
IMR 7977 Enduron	79.0877	99.0000	2960.8550	56875.0761	94.2598	1.4122	9702.2462
Lovex S065	67.7757	86.0000	2960.5364	56875.0761	100.0000	1.4356	8834.3428
IMR 4320	64.1297	80.0000	2951.5777	56875.0761	100.0000	1.4175	8441.9760
IMR 4166 Enduron	64.5800	83.0000	2948.7658	56875.0761	100.0000	1.4171	8750.8832
Rottweil R903	65.3965	82.0000	2941.4520	56875.0761	100.0000	1.4532	8440.3298
Somchem S355	64.9455	82.0000	2940.8635	56875.0761	100.0000	1.4441	8476.4363

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