



TABLES FOR NOBEL POWDERS

Nobel's handloading tables have been brought right up to date for you by COLIN SHADBOLT. While there is not the space to include every rifle in the world, the rifle not on this schedule will be a rare specimen.

NOBEL POWDERS are packed in distinctively colored screw-topped containers with press fit lids to permit long storage without deterioration. The rifle powder cans are green and the revolver powder cans orange.

Revolver No. 1 is a very slow burning powder for its type and is used in many of the smaller rifle cartridges and magnum revolver loadings, also for reduced charges with lead bullets or gas checks in the larger rifle cases. It lies between the American powders 2400 and 4227. It can be used weight for weight with 2400 charges since it is slightly slower.

Rifle powder No. 3 is also very useful for reduced charges in the larger cases with jacketed bullets of light weight or low sectional density. Less powder is

used with less cost.

Unlike other handbooks the loadings given do not represent maximums but are very close to accepted factory loadings for the cartridges given. If it is desired to exceed factory figures — *not a desirable practice with lever action rifles* — the loadings should start with the suggested loading and taken from there. Use scales and check targets for the highest accuracy point — which should not be exceeded. With this procedure I have obtained five shot groups under 0.25 in. from the .222 Remington and under 1 in. from the .30/30 (Savage 170) at 100 yd and at 200 yd, using the .22/250 cartridge, five shot groups under 0.75 in. and 10 shot groups under 1.2 in.

Nobels regard the loadings given as absolute maximums taking into account the variations in different rifles. The figures are regarded as a safe maximum — which indeed they are. The handloader is entirely on his own if he exceeds these figures. In general they are extremely accurate.

These tables taken from the "Nobel Rifle, Revolver and Pistol Powders for the Handloader" by courtesy of ICI (Australia).

RIFLE POWDERS

	Bullet Weight/Type	Recommended Nobel Powder	Maximum Load		Suggested Load	
			Charge (Grains)	Muzzle Velocity (ft sec)	Charge (Grains)	Muzzle Velocity (ft sec)
.22 Hornet	45 grain Metal Covered	Revolver Powder No. 1	10.0	2680	7.8	2400
	50 grain Metal Covered	Revolver Powder No. 1	9.5	2550	7.3	2300
.22 K Hornet	40 grain Metal Covered	Revolver Powder No. 1	11.0	3130	10.0	3010
		Rifle Powder No. 3	14.0	2740	13.0	2620
	45 grain Metal Covered	Revolver Powder No. 1	10.5	2980	9.0	2785
		Rifle Powder No. 3	14.0	2700	13.0	2500
.222 Remington	50 grain Metal Covered	Revolver Powder No. 1	10.0	2715	9.0	2560
		Rifle Powder No. 3	14.0	2590	13.0	2420
	45 grain Metal Covered	Rifle Powder No. 2	23.5	3360	20.5	3100
		Rifle Powder No. 3	22.0	3340	19.0	3120
	50 grain Metal Covered	Rifle Powder No. 1	25.0	3270	22.0	2965
		Rifle Powder No. 2	23.0	3280	20.0	2970
		Rifle Powder No. 3	21.5	3240	18.5	2980
.223 Remington Magnum	55 grain Metal Covered	Rifle Powder No. 1	25.0	3180	23.0	2990
		Rifle Powder No. 2	22.0	3190	20.0	2940
		Rifle Powder No. 3	18.0	3070	16.0	2900
	45 grain Metal Covered	Rifle Powder No. 1	28.0	3570	26.0	3220
		Rifle Powder No. 2	27.0	3580	23.0	3190
		Rifle Powder No. 3	24.0	3500	21.0	3360
.22/250	50 grain Metal Covered	Rifle Powder No. 1	27.0	3430	24.0	3190
		Rifle Powder No. 2	25.0	3400	22.0	3070
		Rifle Powder No. 3	23.5	3440	20.5	3200
	55 grain Metal Covered	Rifle Powder No. 1	27.0	3370	25.0	2940
		Rifle Powder No. 2	25.0	3290	23.0	2975
		Rifle Powder No. 3	21.0	3370	19.0	3190
.220 Swift	45 grain Metal Covered	Rifle Powder No. 1	39.0	4000	36.0	3850
		Rifle Powder No. 2	36.0	3965	33.0	3815
	50 grain Metal Covered	Rifle Powder No. 1	38.0	3960	35.0	3810
		Rifle Powder No. 2	35.0	3925	32.0	3775
	55 grain Metal Covered	Rifle Powder No. 0	41.0	3665	38.0	3515
		Rifle Powder No. 1	36.0	3840	33.0	3690
		Rifle Powder No. 2	34.0	3780	31.0	3630
	60 grain Metal Covered	Rifle Powder No. 0	39.0	3540	36.0	3390
		Rifle Powder No. 1	35.0	3720	32.0	3570
		Rifle Powder No. 2	33.0	3670	30.0	3520
.303/22 Full length	45 grain Metal Covered	Rifle Powder No. 0	46.0	4110	41.0	3620
		Rifle Powder No. 1	42.0	4035	37.0	3775
		Rifle Powder No. 2	38.0	4040	34.0	3730
	50 grain Metal Covered	Rifle Powder No. 0	46.0	3930	41.0	3590
		Rifle Powder No. 1	41.0	4000	36.0	3520
		Rifle Powder No. 2	37.0	3920	32.0	3650
.303/22 Full length	55 grain Metal Covered	Rifle Powder No. 0	45.0	3890	40.0	3440
		Rifle Powder No. 1	40.0	3860	35.0	3470
		Rifle Powder No. 2	36.0	3810	31.0	3460
	45 grain Metal Covered	Rifle Powder No. 1	37.0	3640	34.0	3490
	Rifle Powder No. 2	34.0	3530	31.0	3380	
	50 grain Metal Covered	Rifle Powder No. 1	36.0	3600	33.0	3450
		Rifle Powder No. 2	33.5	3505	30.0	3360

RIFLE POWDERS

	Bullet Weight Type	Recommended Nobel Powder	Maximum Load		Suggested Load	
			Charge (Grains)	Muzzle Velocity (ft. sec)	Charge (Grains)	Muzzle Velocity (ft. sec)
.243 Winchester	75 grain Metal Covered	Rifle Powder No. 0	46.0	3420	41.0	3090
		Rifle Powder No. 1	41.0	3480	36.0	3240
		Rifle Powder No. 2	37.5	3400	32.5	3100
	80 grain Metal Covered	Rifle Powder No. 0	44.0	3420	39.0	3130
		Rifle Powder No. 1	41.0	3300	36.0	3050
		Rifle Powder No. 2	37.0	3270	32.0	3020
	100 grain Metal Covered	Rifle Powder No. 0	42.0	3070	37.0	2850
		Rifle Powder No. 1	39.0	3030	34.0	2800
	.244 Remington	70 grain Metal Covered	Rifle Powder No. 0	48.0	3530	45.0
Rifle Powder No. 1			45.0	3770	39.0	3470
Rifle Powder No. 2			41.0	3685	36.0	3465
75 grain Metal Covered		Rifle Powder No. 0	47.0	3480	44.0	3330
		Rifle Powder No. 1	42.0	3530	37.0	3380
		Rifle Powder No. 2	38.0	3430	35.0	3280
80 grain Metal Covered		Rifle Powder No. 0	47.0	3390	44.0	3240
		Rifle Powder No. 1	40.0	3410	36.0	3200
		Rifle Powder No. 2	36.0	3320	33.0	3170
85 grain Metal Covered		Rifle Powder No. 0	47.0	3360	44.0	3210
		Rifle Powder No. 1	40.0	3285	36.0	3085
		Rifle Powder No. 2	36.0	3170	33.0	3020
90 grain Metal Covered		Rifle Powder No. 0	44.0	3240	41.0	3090
		Rifle Powder No. 1	40.0	3180	35.0	2930
		Rifle Powder No. 2	35.0	3080	32.0	2930
100 grain Metal Covered		Rifle Powder No. 0	44.0	3080	41.0	2930
		Rifle Powder No. 1	40.0	3135	37.0	2985
		Rifle Powder No. 2	35.0	3010	32.0	2860
105 grain Metal Covered	Rifle Powder No. 0	39.0	2860	36.0	2710	
	Rifle Powder No. 1	34.0	2695	31.0	2540	
	Rifle Powder No. 2	32.0	2690	29.0	2540	
.303/25	87 grain Metal Covered	Rifle Powder No. 1	*35.0	3015	*32.0	2865
		Rifle Powder No. 2	*34.0	2990	*31.0	2840
	100 grain Metal Covered	Rifle Powder No. 1	*35.0	2810	*32.0	2660
		Rifle Powder No. 2	*33.0	2785	*30.0	2635
* Reduce powder charges by 3.0 grains for Lee-Enfield actions						
.250 Savage	87 grain Metal Covered	Rifle Powder No. 0	41.0	3120	37.0	2900
		Rifle Powder No. 1	38.0	3150	32.0	2910
		Rifle Powder No. 2	35.0	2850	31.5	2675
	100 grain Metal Covered	Rifle Powder No. 0	40.0	2990	36.0	2780
		Rifle Powder No. 1	37.0	3070	33.0	2870
		Rifle Powder No. 2	31.5	2775	27.5	2555
Reduce maximum charge by 3.0 grains for lever action rifles.						
.257 Remington Roberts	100 grain Metal Covered	Rifle Powder No. 0	45.0	3050	41.0	2865
		Rifle Powder No. 1	40.0	3035	36.0	2840
		Rifle Powder No. 2	35.5	2950	32.0	2770
	Reduce maximum charge by 3.0 grains for lever action rifles.					

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	Bullet Weight/Type	Recommended Nobel Powder	Maximum Load		Suggested Load	
			Charge (Grains)	Muzzle Velocity (ft sec)	Charge (Grains)	Muzzle Velocity (ft sec)
6.5 m.m. JAP	87 grain Metal Covered	Rifle Powder No. 0	41.0	3130	38.0	2980
		Rifle Powder No. 1	40.0	3250	36.0	3050
		Rifle Powder No. 2	36.0	3005	33.0	2850
	100 grain Metal Covered	Rifle Powder No. 0	40.0	2900	37.0	2750
		Rifle Powder No. 1	39.0	3040	35.0	2840
		Rifle Powder No. 2	35.0	2830	32.0	2680
	120 grain Metal Covered	Rifle Powder No. 0	39.0	2780	36.0	2630
		Rifle Powder No. 1	38.0	2930	34.0	2730
		Rifle Powder No. 2	34.0	2770	31.0	2620
	130 grain Metal Covered	Rifle Powder No. 0	38.0	2670	35.0	2520
		Rifle Powder No. 1	36.0	2720	33.0	2570
		Rifle Powder No. 2	33.0	2600	30.0	2450
	140 grain Metal Covered	Rifle Powder No. 0	37.0	2575	34.0	2420
		Rifle Powder No. 1	35.0	2690	32.0	2540
		Rifle Powder No. 2	32.0	2560	29.0	2410
156 grain Metal Covered	Rifle Powder No. 0	36.0	2180	33.0	2030	
	Rifle Powder No. 1	34.0	2400	30.0	2200	
	Rifle Powder No. 2	31.0	2305	28.0	2155	
6.5 mm Mannlicher Schonauer (6.5 x 53) and (6.5 x 54)	160 grain Metal Covered	Rifle Powder No. 0	40.0	2340	36.0	2150
		Rifle Powder No. 1	34.5	2300	30.5	2110
		Rifle Powder No. 2	32.0	2280	28.0	2090
6.5 mm Mauser (6.5 x 58)	155 grain Metal Covered	Rifle Powder No. 0	42.0	2450	38.0	2260
		Rifle Powder No. 1	37.0	2415	33.0	2200
		Rifle Powder No. 2	34.0	2370	30.0	2150
.264 Winchester Magnum	100 grain Metal Covered	Rifle Powder No. 0	62.5	3570	60.5	3480
		Rifle Powder No. 1	55.0	3500	53.0	3410
		Rifle Powder No. 2	51.0	3420	49.0	3300
	120-125 grain Metal Covered	Rifle Powder No. 0	60.5	3280	58.0	3130
		Rifle Powder No. 1	53.5	3180	50.0	2960
		Rifle Powder No. 2	48.0	3130	46.0	2920
140 grain Metal Covered	Rifle Powder No. 0	58.0	3055	56.0	2950	
	Rifle Powder No. 1	50.0	2910	48.0	2820	
	Rifle Powder No. 2	47.0	2820	45.0	2710	
.303/270	130 grain Metal Covered	Rifle Powder No. 1	38.5	2690	35.5	2550
.270 Winchester	100 grain Metal Covered	Rifle Powder No. 0	59.0	3200	54.0	2950
		Rifle Powder No. 1	53.0	3250	49.0	3050
		Rifle Powder No. 2	48.0	3240	44.0	3015
	130 grain Metal Covered	Rifle Powder No. 0	55.0	3140	50.5	2915
		Rifle Powder No. 1	49.0	3050	44.0	2850
		Rifle Powder No. 2	44.0	2960	40.0	2745
	150 grain Metal Covered	Rifle Powder No. 0	53.0	2845	48.0	2610
		Rifle Powder No. 1	47.0	2770	43.0	2570
		Rifle Powder No. 2	42.5	2700	39.0	2600
170 grain Metal Covered	Rifle Powder No. 0	51.0	2635	46.0	2400	
	Rifle Powder No. 1	44.0	2520	40.0	2320	
	Rifle Powder No. 2	41.0	2500	37.0	2260	
.270 Weatherby Magnum	100 grain Metal Covered	Rifle Powder No. 0	73.0	3740	70.0	3590
		Rifle Powder No. 1	65.0	3760	62.0	3610
		Rifle Powder No. 2	59.0	3730	56.0	3580
	130 grain Metal Covered	Rifle Powder No. 0	68.0	3450	65.0	3300
		Rifle Powder No. 1	59.0	3440	56.0	3290
		Rifle Powder No. 2	54.0	3410	51.0	3260
	150 grain Metal Covered	Rifle Powder No. 0	66.0	3270	63.0	3120
		Rifle Powder No. 1	57.0	3250	54.0	3100
170 grain Metal Covered	Rifle Powder No. 0	61.0	3030	58.0	2880	
	Rifle Powder No. 1	53.0	3015	50.0	2865	

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	Bullet Weight Type	Recommended Nobel Powder	Maximum Load		Suggested Load	
			Charge (Grains)	Muzzle Velocity (ft/sec)	Charge (Grains)	Muzzle Velocity (ft/sec)
7 mm Mauser (7 × 57)	140 grain Metal Covered	Rifle Powder No. 0	50.0	2870	45.0	2620
		Rifle Powder No. 1	44.0	2820	41.0	2670
		Rifle Powder No. 2	40.5	2800	35.0	2530
	150 grain Metal Covered	Rifle Powder No. 0	49.0	2775	44.0	2520
		Rifle Powder No. 1	43.0	2720	39.0	2510
		Rifle Powder No. 2	40.0	2740	36.0	2540
	175 grain Metal Covered	Rifle Powder No. 0	47.0	2540	42.0	2300
		Rifle Powder No. 1	42.5	2535	39.5	2385
		Rifle Powder No. 2	38.0	2460	34.0	2250
Reduce maximum charge when using 1893-1896 Mauser.						
7 mm × 61 Sharpe & Hart	160 grain Metal Covered	Rifle Powder No. 0	59.0	3090	54.0	2835
		Rifle Powder No. 1	55.0	3005	50.0	2770
	175 grain Metal Covered	Rifle Powder No. 0	58.5	2770	53.0	2520
		Rifle Powder No. 1	51.5	2800	46.0	2550
7 m.m. Remington Magnum	130 grain Metal Covered	Rifle Powder No. 0	68.0	3340	65.0	3190
		Rifle Powder No. 1	57.0	3200	54.0	3050
	145 grain Metal Covered	Rifle Powder No. 0	66.0	3210	63.0	3060
		Rifle Powder No. 1	56.0	3100	53.0	2950
	156 grain Metal Covered	Rifle Powder No. 0	65.0	3110	62.0	2960
	Rifle Powder No. 1	54.0	2950	51.0	2800	
	175 grain Metal Covered	Rifle Powder No. 0	64.0	2950	61.0	2800
		Rifle Powder No. 1	53.0	2790	49.0	2590
.30 MI Carbine	110 grain Metal Covered	Revolver Powder No. 1	15.7	2000	14.7	1900
		Pistol Powder No. 2	8.5	1700	8.0	1600
.30/30 Winchester and .30 Remington	110 grain Metal Covered	Rifle Powder No. 2	37.0	2600	34.0	2450
		Rifle Powder No. 3	33.5	2710	31.5	2560
	150 grain Metal Covered	Rifle Powder No. 1	37.0	2500	32.0	2250
		Rifle Powder No. 2	35.0	2510	31.0	2255
		Rifle Powder No. 3	31.0	2350	27.0	2150
	170 grain Metal Covered	Rifle Powder No. 1	34.0	2200	31.0	2055
		Rifle Powder No. 2	33.0	2225	30.0	2080
		Rifle Powder No. 3	30.0	2160	26.0	1965
.300 Savage	110 grain Metal Covered	Rifle Powder No. 1	45.0	3005	42.0	2855
		Rifle Powder No. 2	41.0	2850	38.0	2700
		Rifle Powder No. 3	38.0	2790	35.0	2650
	130 grain Metal Covered	Rifle Powder No. 1	44.0	2800	41.0	2650
		Rifle Powder No. 2	40.0	2780	37.0	2630
		Rifle Powder No. 3	36.0	2725	33.0	2575
	150 grain Metal Covered	Rifle Powder No. 1	42.0	2690	39.0	2540
		Rifle Powder No. 2	39.0	2565	36.0	2415
	170 grain Metal Covered	Rifle Powder No. 1	41.0	2470	37.0	2320
Rifle Powder No. 2		37.0	2470	35.0	2310	
	180 grain Metal Covered	Rifle Powder No. 1	40.0	2355	37.0	2205
		Rifle Powder No. 2	36.0	2300	34.0	2120
.308 Winchester	110 grain Metal Covered	Rifle Powder No. 2	47.0	3170	42.0	2920
		Rifle Powder No. 3	41.0	3200	36.0	2950
	130 grain Metal Covered	Rifle Powder No. 1	48.0	2800	44.0	2605
		Rifle Powder No. 2	45.0	2840	41.0	2635
		Rifle Powder No. 3	42.0	2850	38.0	2700
	150 grain Metal Covered	Rifle Powder No. 0	47.0	2520	44.0	2370
		Rifle Powder No. 1	46.0	2800	41.0	2550
		Rifle Powder No. 2	44.0	2820	40.0	2640
	180 grain Metal Covered	Rifle Powder No. 0	46.0	2430	41.0	2230
		Rifle Powder No. 1	43.0	2530	38.0	2280
		Rifle Powder No. 2	40.0	2540	35.0	2290
	187 grain Metal Covered	Rifle Powder No. 0	46.0	2390	41.0	2140
Rifle Powder No. 1		42.0	2515	38.0	2320	
Rifle Powder No. 2		40.0	2510	35.0	2405	
220 grain Metal Covered	Rifle Powder No. 0	44.0	2160	39.5	1935	
	Rifle Powder No. 1	40.0	2160	36.0	1960	

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	Bullet Weight Type	Recommended Nobel Powder	Maximum Load		Suggested Load		
			Charge (Grains)	Muzzle Velocity (ft/sec)	Charge (Grains)	Muzzle Velocity (ft/sec)	
.30/06 Springfield (7.62 × 63)	110 grain Metal Covered	Rifle Powder No. 0	65.0	3280	60.0	3030	
		Rifle Powder No. 1	57.0	3345	52.0	3120	
		Rifle Powder No. 2	51.0	3230	49.0	3010	
	130 grain Metal Covered	Rifle Powder No. 0	62.0	3025	57.0	2800	
		Rifle Powder No. 1	55.0	3080	50.0	2850	
		Rifle Powder No. 2	50.0	3040	45.0	2810	
	150 grain Metal Covered	Rifle Powder No. 0	60.0	2995	55.0	2745	
		Rifle Powder No. 1	55.0	3000	51.0	2800	
		Rifle Powder No. 2	50.0	2950	46.0	2760	
	180 grain Metal Covered	Rifle Powder No. 0	56.0	2680	51.0	2430	
		Rifle Powder No. 1	50.0	2630	46.0	2430	
		Rifle Powder No. 2	45.0	2600	41.0	2400	
	187 grain Metal Covered	Rifle Powder No. 0	55.0	2645	50.0	2405	
		Rifle Powder No. 1	50.0	2610	45.0	2400	
		Rifle Powder No. 2	44.0	2570	40.0	2365	
	220 grain Metal Covered	Rifle Powder No. 0	53.0	2400	48.0	2150	
		Rifle Powder No. 1	46.0	2300	42.0	2125	
		Rifle Powder No. 2	41.5	2235	37.5	2035	
.300 H. & H. Magnum	150 grain Metal Covered	Rifle Powder No. 0	69.0	3150	64.0	2915	
		Rifle Powder No. 1	60.0	3125	55.0	2900	
		Rifle Powder No. 2	56.0	3165	51.0	2925	
	180 grain Metal Covered	Rifle Powder No. 0	65.0	2960	60.0	2710	
		Rifle Powder No. 1	56.0	2835	51.0	2600	
		Rifle Powder No. 2	52.0	2795	47.0	2545	
	187 grain Metal Covered	Rifle Powder No. 0	64.0	2780	59.0	2530	
		Rifle Powder No. 1	55.0	2750	50.0	2500	
		Rifle Powder No. 2	50.0	2710	45.0	2470	
	220 grain Metal Covered	Rifle Powder No. 0	61.0	2635	56.0	2400	
		Rifle Powder No. 1	53.0	2620	48.0	2390	
	.308 Norma Magnum	150 grain Metal Covered	Rifle Powder No. 0	74.0	3360	68.0	3060
Rifle Powder No. 1			65.0	3350	60.0	3175	
Rifle Powder No. 2			57.0	3335	52.0	3100	
180 grain Metal Covered		Rifle Powder No. 0	70.0	3100	65.0	2870	
		Rifle Powder No. 1	60.0	3110	55.0	2875	
		Rifle Powder No. 2	53.0	3070	48.0	2820	
187 grain Metal Covered		Rifle Powder No. 0	69.5	3030	64.5	2800	
		Rifle Powder No. 1	60.0	3110	55.0	2875	
		Rifle Powder No. 2	52.5	3010	47.5	2810	
220 grain Metal Covered		Rifle Powder No. 1	55.0	2750	50.0	2525	
.303 British		130 grain Metal Covered	Rifle Powder No. 1	43.0	2570	39.0	2380
			Rifle Powder No. 2	43.0	2840	39.0	2640
	Rifle Powder No. 3		42.0	2855	38.0	2635	
	150 grain Metal Covered	Rifle Powder No. 1	43.0	2500	41.0	2430	
		Rifle Powder No. 2	43.0	2720	39.0	2540	
		Rifle Powder No. 3	42.0	2790	39.0	2640	
	173 grain Metal Covered	Rifle Powder No. 1	40.0	2310	38.0	2235	
		Rifle Powder No. 2	40.0	2500	36.0	2325	
		Rifle Powder No. 3	38.5	2500	34.5	2350	
	180 grain Metal Covered	Rifle Powder No. 1	40.0	2270	38.0	2180	
		Rifle Powder No. 2	39.5	2460	35.5	2290	
		Rifle Powder No. 3	38.0	2465	34.0	2285	
	215 grain Metal Covered	Rifle Powder No. 1	40.0	2200	36.0	2025	
		Rifle Powder No. 2	38.0	2230	34.0	2050	
		Rifle Powder No. 3	37.0	2250	33.0	2045	
7.7 m.m. JAP	150 grain Metal Covered	Rifle Powder No. 0	53.0	2720	50.0	2570	
		Rifle Powder No. 1	46.0	2760	42.0	2560	
		Rifle Powder No. 2	41.0	2700	38.0	2550	
	180 grain Metal Covered	Rifle Powder No. 0	49.0	2420	46.0	2270	
		Rifle Powder No. 1	42.0	2455	38.0	2260	
		Rifle Powder No. 2	38.0	2390	35.0	2240	

RIFLE POWDERS

	Bullet Weight: Type	Recommended Nobel Powder	Maximum Load		Suggested Load		
			Charge (Grains)	Muzzle Velocity (ft/sec)	Charge (Grains)	Muzzle Velocity (ft/sec)	
.310 Cadet	99-120 grain Cast Plain Base	Revolver Powder No. 1	8.6	1266	8.3	1160	
		Pistol Powder No. 2	5.8	1330	5.5	1230	
		Pistol Powder No. 3	4.6	1120	4.3	1075	
.318 Rimless Nitro Express	250 grain Metal Covered	Rifle Powder No. 0	51.0	2450	48.0	2300	
		Rifle Powder No. 1	45.0	2370	42.0	2220	
		Rifle Powder No. 2	40.0	2230	37.0	2080	
7.9 mm Mauser (8 × 57 JS)* (8 × 57 J)**	154 grain Metal Covered	Rifle Powder No. 0	58.0	2780	53.0	2530	
		Rifle Powder No. 1	53.0	2942	48.0	2705	
		Rifle Powder No. 2	48.0	2920	43.0	2710	
	227 grain Metal Covered	Rifle Powder No. 0	53.0	2405	48.0	2250	
		Rifle Powder No. 1	48.0	2420	44.0	2230	
		Rifle Powder No. 2	43.5	2380	40.0	2265	
	*154 grain bullet.	**227 grain bullet.					
8 mm × 57 J.S.	198 grain Metal Covered	Rifle Powder No. 1	47.0	2600	42.0	2350	
		Rifle Powder No. 2	46.0	2620	42.0	2435	
	Use .323 bullets in M98 rifles only. Do not use in M88 rifles.						
.32-20 Winchester Rifle DO NOT USE IN REVOLVERS	80 grain Metal Covered	Revolver Powder No. 1	13.0	1850	11.5	1540	
		100 grain Metal Covered	Revolver Powder No. 1	12.6	1660	11.0	1370
		115 grain Metal Covered	Revolver Powder No. 1	12.6	1600	11.0	1300
		139 grain Metal Covered	Revolver Powder No. 1	12.6	1550	11.0	1260
.32/40 Winchester	165 grain Metal Covered	Rifle Powder No. 1	28.0	1820	25.0	1670	
		Rifle Powder No. 2	27.0	1800	24.0	1650	
		Rifle Powder No. 3	24.0	1740	22.0	1640	
.348 Winchester	150 grain Metal Covered	Rifle Powder No. 0	65.0	2790	62.0	2640	
		Rifle Powder No. 1	58.0	2840	55.0	2690	
		Rifle Powder No. 2	53.0	2740	50.0	2590	
	180 grain Metal Covered	Rifle Powder No. 0	64.0	2640	61.0	2490	
		Rifle Powder No. 1	56.0	2670	53.0	2520	
		Rifle Powder No. 2	52.0	2690	49.0	2540	
	200 grain Metal Covered	Rifle Powder No. 0	62.0	2490	59.0	2340	
		Rifle Powder No. 1	54.0	2500	51.0	2350	
		Rifle Powder No. 2	48.0	2490	45.0	2345	
	220 grain Metal Covered	Rifle Powder No. 0	59.0	2290	56.0	2140	
		Rifle Powder No. 1	52.0	2330	49.0	2180	
		Rifle Powder No. 2	46.0	2280	43.0	2130	
250 grain Metal Covered	Rifle Powder No. 0	56.0	2080	53.0	1930		
	Rifle Powder No. 1	50.0	2145	47.0	1995		
.358 Norma Magnum	200 grain Metal Covered	Rifle Powder No. 2	66.0	3000	61.0	2750	
		Rifle Powder No. 1	70.0	2800	65.0	2625	
9.3 mm Mauser (9.3 × 62)	232 grain Metal Covered	Rifle Powder No. 1	61.0	2625	56.0	2400	
		258 grain Metal Covered	Rifle Powder No. 1	56.0	2425	51.0	2225
		286 grain Metal Covered	Rifle Powder No. 2	52.0	2350	47.0	2200

RIFLE POWDERS

	Bullet Weight/Type	Recommended Nobel Powder	Maximum Load		Suggested Load	
			Charge (Grains)	Muzzle Velocity (ft/sec)	Charge (Grains)	Muzzle Velocity (ft/sec)
.375 H. & H. Belted Rimless Magnum	235 grain Metal Covered	Rifle Powder No. 0	85.5	2950	83.0	2825
		Rifle Powder No. 1	75.5	2890	73.0	2770
		Rifle Powder No. 2	71.5	2860	69.0	2730
	250 grain Metal Covered	Rifle Powder No. 0	84.0	2850	80.0	2665
		Rifle Powder No. 1	72.0	2710	68.0	2515
		Rifle Powder No. 2	68.0	2705	65.0	2570
	270 grain Metal Covered	Rifle Powder No. 0	83.0	2830	79.0	2645
		Rifle Powder No. 1	71.5	2685	68.0	2500
		Rifle Powder No. 2	66.0	2670	62.0	2490
	285 grain Metal Covered	Rifle Powder No. 0	83.0	2795	79.0	2600
		Rifle Powder No. 1	71.0	2640	67.0	2450
		Rifle Powder No. 2	66.0	2635	62.0	2465
	300 grain Metal Covered	Rifle Powder No. 0	80.0	2570	75.0	2340
		Rifle Powder No. 1	70.0	2495	65.0	2240
		Rifle Powder No. 2	65.5	2430	60.5	2200
.458 Winchester	480 grain Metal Covered	Rifle Powder No. 1	72.0	2175	67.0	1965
		Rifle Powder No. 2	70.0	2205	65.0	1970
		Rifle Powder No. 3	61.0	2235	56.0	2000
	500 grain Metal Covered	Rifle Powder No. 1	72.0	2064	68.0	1870
		Rifle Powder No. 2	70.0	2090	65.0	1840
	510 grain Metal Covered	Rifle Powder No. 1	71.5	2050	66.0	1830
		Rifle Powder No. 2	69.5	2070	64.5	1855

REVOLVER AND PISTOL POWDERS

	Bullet Weight/Type	Recommended Nobel Powder	Maximum Load		Suggested Load	
			Charge (Grains)	Muzzle Velocity (ft/sec)	Charge (Grains)	Muzzle Velocity (ft/sec)
.25 Auto Colt Pistol (6.35 mm)	50 grain Metal Covered	Pistol Powder No. 3	1.2	820	0.8	700
7.65 mm Parabellum (.30 Luger)	92 grain Metal Covered	Pistol Powder No. 2	5.4	1175	4.9	1100
		Pistol Powder No. 3	4.0	1185	3.5	1110
	93 grain Cast Plain Base	Pistol Powder No. 2	5.2	1200	4.7	1125
		Pistol Powder No. 3	3.8	1195	3.4	1135
7.65 mm Browning .32 Auto Colt Pistol	72 grain Metal Covered	Pistol Powder No. 2	3.5	960	3.0	910
		Pistol Powder No. 3	2.3	950	2.0	920
	77 grain Cast Plain Base	Pistol Powder No. 2	3.4	945	2.9	910
		Pistol Powder No. 3	2.2	935	1.9	920
.32 Smith & Wesson	85 grain Cast Plain Base	Pistol Powder No. 2	1.8	630	1.5	585
		Pistol Powder No. 3	1.4	650	1.2	605
.32 Smith & Wesson Long	98 grain Cast Plain Base	Pistol Powder No. 2	3.5	750	3.0	675
		Pistol Powder No. 3	2.3	800	1.8	725
	105 grain Cast Plain Base	Pistol Powder No. 2	2.9	685	2.5	625
		Pistol Powder No. 3	2.1	745	1.8	700