

Designation: DP-2200
Type: Double base Spherical powder.
Category: Extremely fast burning Rifle
Time supplied: 1995-1999

Information:

The original **DP-2200** was a once off military surplus powder supplied for a limited time in the late 90's. It's an extremely fast burning powder. Only a few calibers were tested at the time which was published on a small flyer/pamphlet.

Important note:

This product was re-introduced in 2010.

The older data still apply and new re-tested data will added in the future.

Please see our latest loadguide edition 3.5 on the load data page for newly tested data for calibers such as the 223Remington, 6mmx45 and the 6.8SPC.

Special note on Semi auto Rifles:

Although it is quite suitable for use in the .223Remington/5.56mmx45NATO(There are thousands of people using 2200 on standard AR15's and M16's without any problems), it might be that in some cases the powder might be to fast burning for the combination. This is due to the fact that the duration (or time-base), of the pressure pulse is shorter than the more dedicated/optimized slower burning powders.

However, we periodically have complaints with specific weapons that experience functioning problems i.e. short cycling.

To operate the action reliably the:

- *The gas-port pressure must be at a certain level and*
- *The correct volume of gas must be fed back into the system.*

The rifle might be a match-grade, with an optimized port vent, to prevent stripping of bullet (jacket) material. This could have made the system more sensitive to the gas dynamics at the port take-off.

The ammunition manufacturers all use slower burning powders, with sufficient residual gas pressure and volume to ensure reliable functioning under all conditions.

If functional problems, such as short cycling do occur, we suggest that you switch to slower-burning powders such as our A-2230, or A-2460.

Data Powder 2200

.22 HORNET

BULLET			START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.	Grains	Vel.			
40 SRA HP RN	11.7	1,935	13.0	2,150	* 27,600	1.715	Compressed		
40 NOS BT	11.7	1,940	13.0	2,156	* 31,200	**1.870	Compressed		
46 SPR FN	11.7	1,993	13.0	2,214	* 32,700	**1.725	Compressed		

.218 BEE

BULLET			START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.	Grains	Vel.			
40 SRA HP RN	14.4	2,468	16.0	2,742	* 38,200	1.670			
45 HDY Bee	14.0	2,298	15.5	2,553	* 37,200	1.610			
50 HDY SX	13.5	2,259	15.0	2,510	* 37,400	**1.780	No Tube Magazines		

.221 REMINGTON FIREBALL

BULLET			START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.	Grains	Vel.			
40 NOS BT	18.9	2,995	21.0	3,328	* 49,300	**1.845			
45 HDY Bee	18.5	2,889	20.5	3,210	* 50,600	1.690			
50 HDY SX	17.7	2,786	19.7	3,096	* 47,900	1.825			
55 NOS BT	17.1	2,660	19.0	2,955	* 51,600	**1.850			

.222 REMINGTON

BULLET			START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.	Grains	Vel.			
40 NOS BT	20.7	3,098	23.0	3,442	* 41,600	**2.140			
45 SPR SP	20.5	2,921	22.8	3,245	* 43,000	2.115			
50 HDY SX	18.9	2,826	21.0	3,140	* 43,800	**2.235			
52 SRA HP	18.9	2,821	21.0	3,134	* 45,900	**2.225			
55 NOS BT	19.4	2,761	21.5	3,068	* 45,500	**2.230			
55 REM FMJ	19.1	2,833	21.2	3,148	* 43,500	**2.230			

.223 REMINGTON

BULLET			START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.	Grains	Vel.			
40 NOS BT	22.5	3,448	25.0	3,831	* 50,500	2.260			
45 NOS BT	22.3	3,416	24.8	3,795	* 50,000	2.260			
50 NOS BT	21.6	3,186	24.0	3,540	* 49,600	2.230			
55 IMI FMJ	21.2	2,939	23.5	3,265	* 48,000	2.230			
69 SRA HPBT	19.4	2,655	21.5	2,950	* 52,000	2.250			
75 HDY HPBT	18.6	2,430	20.6	2,700	* 51,000	2.255			

BAR = Barnes SPR = Speer AF A-Frame HP Hollow Point SPBT Soft Point Boat-Tail
 HDY = Hornady SRA = Sierra BT Ballistic Tip HPBT Hollow Point Boat-Tail SP Soft Point
 NOS = Nosler SWF = Swift FMJ Full Metal Jacket PART Partition SPBT Soft Point Boat-Tail
 REM = Remington WIN = Winchester FN Flatnose PSPCL Pointed Soft Point Core Locket SPCL Soft Point Core Locket
 IMI = Israeli Military Industries FS Fail Safe RN Round Nose SX Super Explosive
 * Pressure in CUP GC Gas Check SBT Spitzer Boat-Tail X X Hollow Point
 ** COL over SAAMI Max GRSL Grand Slam SP Soft Point XTP Extreme Terminal Performance

Data Powder 2200

6mm T/CU

BULLET		START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.				
60 SRA HP	25.2	2,610	28.0	2,900	47,400	2.320		
70 HDY SX	24.3	2,426	27.0	2,695	46,300	2.390		
80 SPR SP	22.5	2,231	25.0	2,479	45,600	2.380		
85 SRA HPBT	22.5	2,243	25.0	2,492	50,800	2.390		
100 HDY SP	20.7	1,984	23.0	2,204	49,100	2.495		

.25-20 WINCHESTER

BULLET		START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.				
60 HDY FP	14.4	1,900	16.0	2,111	* 25,700	1.592		
65 LEAD	13.1	1,760	14.5	1,956	* 27,400	1.592	Penny's	
75 SPR FN	12.6	1,658	14.0	1,842	* 25,800	1.585		

.256 WINCHESTER MAGNUM

BULLET		START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.				
60 HDY FP	17.6	2,348	19.5	2,609	* 37,200	1.580		
75 SPR FN	17.1	2,207	19.0	2,452	* 43,000	1.575		

6.5mm T/CU

BULLET		START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.				
85 SRA HP	25.2	2,327	28.0	2,585	46,700	2.400		
100 SRA HP	22.5	2,145	25.0	2,383	49,300	2.420		
120 SRA SP	20.7	1,892	23.0	2,102	48,500	2.495		
140 HDY HPBT	18.9	1,697	21.0	1,885	46,700	2.550		

7mm T/CU

BULLET		START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.				
130 SPR SP	26.1	1,952	29.0	2,169	44,700	2.510		
150 NOS BT	23.4	1,812	26.0	2,013	46,900	2.575		
175 REM SP	22.5	1,679	25.0	1,865	46,200	2.495		

.30 HERRETT

BULLET		START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
Wt. / Mfg. / Type	Grains	Vel.	Grains	Vel.				
130 HDY SSP	27.5	1,958	30.5	2,176	35,700	**2.295		
150 HDY SP	25.7	1,841	28.5	2,046	35,400	**2.385		
165 SRA SBT	25.2	1,765	28.0	1,961	34,900	**2.490		

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.30-30 WINCHESTER

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
110 SPR RN	30.6	2,498	34.0	2,776	39,700	2.440	
150 SPR FN	27.0	2,090	30.0	2,322	40,200	2.545	
170 SPR FN	23.0	1,794	25.5	1,993	38,100	2.535	

7.62x39mm

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
110 SRA HP .308 Dia.	26.6	2,127	29.5	2,363	* 41,400	2.115	Compressed
123 HDY SP	26.6	2,147	29.5	2,385	* 47,000	2.180	
150 SRA SP	23.7	1,918	26.3	2,131	* 48,100	2.200	

.444 MARLIN

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
240 SRA JHP	52.2	2,122	58.0	2,358	* 34,100	2.520	
265 HDY FP	50.4	2,063	56.0	2,292	* 35,100	2.570	
300 HDY XTP	46.8	1,960	52.0	2,178	* 38,900	2.525	

.445 SUPER MAG

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
265 HDY FN	33.8	1,174	37.5	1,304	* 23,600	1.985	Compressed
300 SRA JSP	23.0	1,126	25.5	1,251	* 25,900	**2.055	Compressed

.45-70 GOVERNMENT

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
300 SRA	40.9	1,859	45.5	2,066	* 27,000	2.550	
375 LEAD FN	37.5	1,723	41.7	1,914	* 26,600	**2.565	Penny's
405 LEAD FN	36.7	1,661	40.8	1,846	* 25,700	2.500	Penny's

.458 WINCHESTER MAGNUM

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
400 SPR SP	71.1	2,245	79.0	2,494	* 46,400	3.140	
500 HDY RN	63.9	1,982	71.0	2,202	* 45,000	3.305	

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.308 WINCHESTER

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
125 SRA SP	38.7	2,723	43.0	3,026	* 45,000	2.670	
125 SRA SP	34.2	2,448	38.0	2,720	* 36,900	2.670	
150 HDY SP	36.5	2,462	40.5	2,735	* 46,800	2.800	

.32-20 WINCHESTER

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
90 SRA JHP	14.9	1,134	16.5	1,260	* 13,600	1.565	
100 HDY XTP	13.1	1,032	14.5	1,147	* 14,700	1.565	

.357 HERRETT

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
180 HDY SSP	34.2	1,706	38.0	1,896	24,100	**2.420	Compressed
200 SRA RN	34.2	1,771	38.0	1,968	32,500	**2.310	Compressed

.35 REMINGTON

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
180 SPR FN	32.9	2,048	36.5	2,275	31,300	2.465	
200 LEAD	30.6	1,896	34.0	2,107	26,800	2.410	Penny's
200 SRA RN	31.5	1,913	35.0	2,126	31,000	2.470	

.375 WINCHESTER

BULLET Wt. / Mfg. / Type	START LOADS		MAXIMUM LOADS		P.S.I.	COL	Comments
	Grains	Vel.	Grains	Vel.			
200 SRA FN	36.0	2,031	40.0	2,257	* 30,400	2.525	
220 HDY FN	35.1	1,976	39.0	2,196	* 33,700	2.530	

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