

Technical drawing of a 1/2" 20 TPI 70° FPM bullet. The drawing shows a side view of the bullet with various dimensions in inches and millimeters. The bullet has a cylindrical body with a diameter of .532 (13.51mm) and a length of .220 (5.58mm). The body is tapered to a diameter of .513 (13.03mm) at the base. The bullet has a 25° tip angle. The total length is 3.290 (83.56mm). The bullet is marked with '20' and '70'.

Dimension	Value (inches)	Value (millimeters)
Body Diameter	.532	13.51mm
Body Length	.220	5.58mm
Base Diameter	.513	13.03mm
Tip Angle	25°	
Body Diameter at Taper	.491	12.47mm
Body Length at Taper	.315	8.00mm
Body Diameter at Tip	.284	7.213mm
Body Length at Tip	.271	6.88mm
Total Length	3.290	83.56mm

The SAAMI Maximum Average Pressure for the 7mm Remington Magnum is 61,000 P.S.I.

Gun	OBERMEYER	Max Length	2.500"
Barrel Length	24"	Trim Length	2.480"
Primer	CCI 200	OAL Max	3.290"
Case	REM	OAL Min	3.150"

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7mm REMINGTON MAGNUM (continued)

Bullet	START LOADS			MAXIMUM LOADS			P.S.I.	Cartridge Length	Comment
	Powder	Grains	Vel.	Powder	Grains	Vel.			
SPR 130 SP	4064	46.3	2633	4064	51.5	2992	60,700	3.245"	Compressed
	2700	57.0	2817	2700	60.0	2997	57,200		
	4350	55.8	2735	4350	62.0	3108	58,400		
	3100	61.0	2776	3100	67.8	3155	59,000		
	8700	71.1	2658	8700	79.0	3020	45,900		
SRA 140 SBT	4064	47.7	2584	4064	53.0	2937	58,900	3.270"	Compressed
	2700	56.5	2815	2700	59.5	2995	55,200		
	4350	54.9	2665	4350	61.0	3028	54,900		
	3100	61.2	2721	3100	68.0	3092	58,200		
	8700	72.0	2444	8700	80.0	2777	41,500		
SRA 150 BT	4064	46.3	2471	4064	51.5	2808	59,600	3.280"	Compressed
	2700	54.6	2726	2700	57.5	2900	59,600		
	4350	54.9	2612	4350	61.0	2968	61,000		
	3100	59.4	2643	3100	66.0	3003	60,200		
	8700	71.1	2597	8700	79.0	2951	50,900		
NOS 160 SP	4064	44.5	2347	4064	49.5	2667	59,600	3.280"	Compressed
	2700	54.6	2614	2700	57.5	2781	58,500		
	4350	51.3	2436	4350	57.0	2768	58,300		
	3100	57.2	2512	3100	63.5	2855	59,000		
	8700	71.1	2581	8700	79.0	2933	53,800		
SRA 168 HPBT	4064	45.0	2322	4064	50.0	2631	58,500	3.280"	Compressed
	2700	53.2	2550	2700	56.0	2713	58,400		
	4350	52.2	2448	4350	58.0	2782	61,000		
	3100	55.8	2442	3100	62.0	2775	57,900		
	8700	70.2	2520	8700	78.0	2864	50,700		
NOS 175 SP	4064	43.2	2202	4064	48.0	2502	59,300	3.275"	Compressed
	2700	50.4	2426	2700	53.0	2581	59,800		
	4350	50.4	2335	4350	56.0	2653	58,700		
	3100	54.5	2376	3100	60.5	2700	59,700		
	8700	67.5	2424	8700	75.0	2754	51,800		
BAR 195 SP	4064	41.8	2053	4064	46.5	2333	60,600	3.275"	Compressed
	2700	48.5	2263	2700	51.0	2407	58,400		
	4350	47.3	2147	4350	52.6	2440	56,500		
	3100	52.7	2233	3100	58.5	2538	59,800		
	8700	69.3	2383	8700	77.0	2708	51,600		

Caliber 7mm Remington Magnum

Case length

Min: 2.480

Barrel: H&S Precision 24"

Max: 2.500

Case: Remington

Cartridge length

Min: 3.150

Primer: CCI200

Max: 3.290

Bullet Make Type	Bullet Weight Grains	Powder Type	Start Load grains	Start Velocity Fps	Start Pressure kPsi	Maximum Load Grains	Maximum Velocity Fps	Maximum Pressure kPsi	AOL inches
Nosler Ballistic tip	140	Magpro	66.3	2952	48.5	73.7	3220	60.3	3.280
Speer Mag Tip*	160	Magpro	59.3	2756	51.1	65.9	2932	60.6	3.225
SierraHPBTGameKing	160	Magpro	61.7	2737	47.6	68.6	3000	60.4	3.270
Sierra SPBT	175	Magpro	59.4	2640	50.9	66.0	2854	61.3	3.280

* Please take note that when compared to the 160gr Sierra HPBT gameking, the 160gr Speer Mag tip produced a much higher resistance, therefore the lower charge mass

WARNING!! ALWAYS BEGIN LOADING AT THE RECOMMENDED MINIMUM OR "START" LOAD