

6mm PPC

Test Specifications:

Firearm Used: Savage Model 11

Barrel Length: 26"

Twist: 1 x 8"

Components:

Case: Lapua 220 Russian (reformed)

Trim-to Length: 1.505"

Primer: Remington 7 1/2

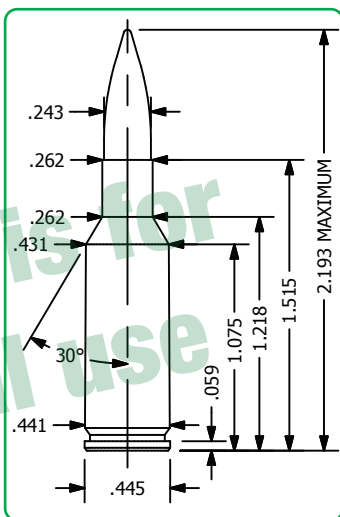
Remarks:

The 6mm PPC has almost totally dominated the competitive benchrest scene for many years since the cartridge was introduced in 1974. However, this is hardly the only suitable use for the cartridge. Attributes necessary for a good



match cartridge are the same as those needed for a good varmint cartridge; reasonably high velocity and tack driving accuracy. The PPC has both. It does however, have a few drawbacks. Brass has been difficult to come by in the last few years, and is expensive when it can be found. The cartridge uses an odd sized head, which requires some modification to most existing bolt faces. Few American gun makers have shown any interest in the PPC cartridges, which is undoubtedly a classic case of the "not invented here" syndrome. These inconveniences, however, are of little concern to serious shooters who are interested in the most accurate cartridge ever developed.



As is the case with the 22 PPC, most rifles chambered for the 6mm PPC use a slow, 1x14" twist. This normally limits bullet selection to those of around 75 grains or less. Considering the intended applications of the cartridge, this is not a problem. Varmint hunters will find that the 55 and 70 BlitzKings, plus the 60 and 75 grain hollow points give excellent expansion on game.

Some cautions are in order when loading for the PPC cartridges. PPC cases utilize a smaller than standard .066" versus .081" flash hole which many benchrest shooters feel aids in accuracy. These cases may be damaged if they are deprimed using a standard decapping rod by swaging the flash hole out to the larger diameter. Our test rifle was a standard Kimber 84 production rifle. Many custom built benchrest rifles cannot safely use factory ammunition, due to their tight neck dimensions. If your rifle was custom built, you will need to check the chamber neck diameter against the neck diameter of a loaded cartridge to insure sufficient clearance.




6mm PPC

	Bullet	Caliber	Weight	Type	C.O.A.L.		
	#1502	.243"	55gr.	BlitzKing	2.100"		
	#1500	.243"	60gr.	HP	2.090"		
Powder	Velocity	3200	3250	3300	3350	3400	3450
Viht N133		26.9	27.5	28.1	28.7	29.3	29.9
A 2015		27.3	27.8				
H322		27.5	27.9	28.3	28.7	29.1	
X Terminator		28.1	28.6	29.1	29.6		
A 2230		28.5	28.9	29.3	29.7	30.1	30.5
748		29.7	30.1	30.5	30.9	31.3	
A 2460		29.4	29.8	30.2	30.6	31.0	
H335		29.4	29.8	30.2	30.6		
TAC		29.3	31.3	33.3			
Energy Ft. lbs		1250	1290	1330	1370	1412	1453
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs			
Accuracy Load	H335	30.2	3300	1330			
Hunting Load	748	31.3	3400	1412			






	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1507	.243"	70gr.	BlitzKing	2.110"			
	#1505	.243"	70gr.	HPBT MatchKing	2.100"			
Powder	Velocity	2800	2900	3000	3050	3100	3150	3200
Viht N133		24.4	25.4					
A 2015		25.4	26.2	27.0	27.4			
H322		25.0	25.8	26.6	27.0	27.4	27.8	
X Terminator		25.2	26.2	27.2	27.7			
A 2230				27.4	27.9	28.4	28.9	29.4
748			28.9	29.7				
A 2460				28.1	28.5	28.9	29.3	
H335				28.5	28.8	29.1	29.4	
TAC					28.6	29.1	29.6	
Varget		27.8	28.6	29.4	29.8			
Energy Ft. lbs		1218	1307	1399	1446	1493	1542	1591
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	A 2015	27.0	3000	1399				
Hunting Load	A 2015	27.0	3000	1399				

6mm PPC

Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1510	.243"	75gr.	HP	2.090"				
Powder	Velocity	2700	2800	2850	2900	2950	3000	3050	
Viht N133		23.4	24.4	24.9					
A 2015		23.8	24.8						
H322		23.6	24.6						
X Terminator		25.3	25.8	26.3					
A 2230		24.3	25.3						
748		26.6	27.8	28.4					
A 2460		25.5	26.5	27.0	27.5	28.0	28.5		
H335		26.1	26.7	27.3	27.9	28.5	29.1		
TAC		25.8	26.6	27.0	27.4	27.8			
Varget		26.8	27.8	28.3	28.8				
Energy Ft. lbs		1214	1305	1352	1400	1449	1499	1549	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	H322	24.6	2800	1305					
Hunting Load	H335	28.5	3000	1499					



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	Bullet	Caliber	Weight	Type	C.O.A.L.	
	#1515	.243"	80gr.	SBT Blitz	2.110"	
	#7150	.243"	80gr.	SPT SSP	2.110"	
	#1520	.243"	85gr.	SPT	2.110"	
	#1530	.243"	85gr.	HPBT	2.110"	
	#1535	.243"	90gr.	FMJBT	2.110"	
Powder	Velocity	2700	2800	2900	3000	3050
H322		25.1	25.9	26.7		
X Terminator		25.3	26.3	27.3		
748		27.5	28.7	29.9		
H335		26.1	27.3	28.5	29.7	
TAC		26.6	27.6	28.6	29.6	30.1
Varget		27.8	28.7	29.6		
Energy Ft. lbs		1295	1392	1494	1598	1652
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs		
Accuracy Load	748	29.9	2900	1494		
Hunting Load	H335	29.7	3000	1598		

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	Bullet	Caliber	Weight	Type	C.O.A.L.	
	#1540	.243"	100gr.	SPT	2.170"	
	#1560	.243"	100gr.	SBT	2.170"	
Powder	Velocity	2400	2500	2600	2650	2700
H322		22.3	23.5	24.7		
X Terminator		22.9	24.1	25.3		
748		24.9	26.0	27.1	27.6	28.2
H335		24.1	25.4	26.7	27.3	28.0
TAC		24.4	25.4	26.4	26.9	27.4
Varget		24.4	25.6	26.8	27.4	
Energy Ft. lbs		1279	1388	1501	1559	1618
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs		
Accuracy Load	748	27.6	2650	1559		
Hunting Load	H335	28.0	2700	1618		

	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1570	.243"	107gr.	HPBT MatchKing	2.300"*			
*requires a 1x8" or faster twist								
Powder	Velocity	2100	2200	2300	2400	2500	2600	2700
H322		19.5	20.6	21.7	22.8	23.9	25.0	
X Terminator		20.1	21.2	22.3	23.4	24.5		
748			22.9	24.0	25.1	26.2	27.3	28.4
H335			22.1	23.3	24.5	25.7	26.9	
TAC			22.0	23.1	24.2	25.3	26.4	
Varget		22.1	23.1	24.1	25.1	26.1	27.1	
Energy Ft. lbs		1048	1150	1257	1368	1485	1606	1732
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	Varget	26.1	2500	1485				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								