

22 BR**Test Specifications:**

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-10"

Components:

Case: Lapua

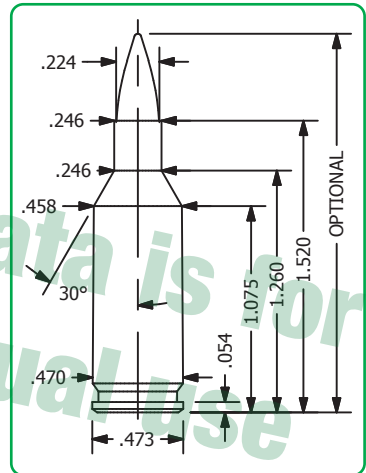
Trim-to Length: 1.510"

Primer: CCI BR4



Remarks:

The 22 Remington Bench Rest today serves as good proof that a cartridge's own excellence isn't necessarily a guarantee of success. Originally championed by the winning competitive benchrest duo from Remington, Mike Walker and Jim Stekl, the 22 BR was the smallest of the BR family of cases introduced in the early 1970s. This was a time of monumental changes in the benchrest world, and the 22 BR became something of a casualty of events. For some years prior, there had been a shift to the 6mm bore size to take advantage of the slightly better ballistics. Most of the development in this field was centered around the 6x47mm. However, the majority of shooters were still running the tried and true 222 Remington. Enter the Remington Bench Rest (BR) cartridges. Capable of delivering better accuracy than the 222, the new BR cartridges promised to become the new standard for this game. Unfortunately for the Remington twins, another pair of cartridges (the 22 and 6mm PPC) appeared at almost the same instant.

Despite ballistic performance that rivals the 22-250 and accuracy potential that matches that of the PPC cartridges, the 22 BR has been all but forgotten. It was never offered as a true (both rifles and ammunition being commercially manufactured) factory chambering. This is unfortunate, since it has all the attributes of a real crowd pleaser. In our work, it proved to be a flexible little number, giving excellent to outstanding accuracy with a variety of loadings. Case forming had been a chore, but this is not necessarily true anymore. While the case was originally based on a special, small primered 308 Winchester case, 6mm BR brass is readily available today. The 6mm BR will be much easier to reform into 22 BR cases than the original parent case. Reloading dies and chambering reamers are available from all major manufacturers. For the avid varminteer trying to decide on a new custom rifle, the 22 BR deserves some serious consideration.




22 BR

Bullet	Caliber	Weight	Type	C.O.A.L.
	#1385	.224"	40gr. HP	2.030"
	#1440	.224"	40gr. BlitzKing	2.110"

Powder	Velocity	3600	3700	3800	3900	4000	4100	4200
Benchmark		28.2	29.3	30.4	31.4	32.4	33.4	
IMR 8208 XBR			30.4	31.3	32.3	33.2	34.2	35.1
H4895			30.2	31.2	32.1	33.0	33.9	34.9
IMR 4166 End.		31.4	32.4	33.4	34.3			
Power Pro Varmint			31.1	32.2	33.2	34.2	35.1	35.9
RE 15		31.7	32.5	33.4	34.3	35.2		
Varget		31.0	31.9	32.9	33.9	34.9		
Energy Ft. Lbs		1151	1216	1282	1351	1421	1493	1566





Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	IMR 8208 XBR	35.1	4200	1566
Hunting Load	Power Pro Varmint	35.9	4200	1566

Bullet	Caliber	Weight	Type	C.O.A.L.
	#1310	.224"	45gr. SPT	2.080"

Powder	Velocity	3300	3400	3500	3600	3700	3800	3900
Benchmark			27.1	28.1	29.1	30.2	31.3	
IMR 8208 XBR			27.7	29.1	30.2	31.3	32.2	
H4895			27.6	28.5	29.6	30.6	31.8	
IMR 4166 End.		28.5	29.6	30.6	31.5	32.5		
Power Pro Varmint				29.7	30.8	31.9	33.0	34.0
RE 15		29.3	30.2	31.2	32.2	33.1	34.1	35.0
Energy Ft. Lbs		1088	1155	1224	1295	1368	1443	1520

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	H4895	31.8	3800	1443
Hunting Load	Power Pro Varmint	34.0	3900	1520

22 BR

Bullet	Caliber	Weight	Type	C.O.A.L.
	#1320	.224"	50gr. SMP	2.050"
	#1330	.224"	50gr. SPT	2.030"
	#1340	.224"	50gr. Blitz	2.080"
	#1450	.224"	50gr. BlitzKing	2.130"

Powder	Velocity	3100	3200	3300	3400	3500	3600	3700
Benchmark			25.6	26.6	27.7	28.9	30.1	
IMR 8208 XBR			26.2	27.2	28.3	29.4	30.6	
H4895	25.1	25.8	26.8	27.8	29.0	30.3		
IMR 4166 End.	27.1	28.1	29.1	30.1	31.2			
Power Pro Varmint			28.0	29.3	30.5	31.7	32.9	
RE 15	27.8	28.8	29.8	30.8	31.8	32.8		
Varget		27.2	28.2	29.4	30.6	31.8		
Energy Ft. Lbs		1067	1137	1209	1283	1360	1439	1520

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	RE 15	32.8	3600	1439
Hunting Load	Power Pro Varmint	32.9	3700	1520

22 BR

	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1410	.224"	52gr.	HPBT Match	2.050"
	#1400	.224"	53gr.	HP Match	2.090"
	#1345	.224"	55gr.	Blitz	2.080"
	#1350	.224"	55gr.	SMP	2.040"
	#1355	.224"	55gr.	FMJBT	2.050"
	#1360	.224"	55gr.	SPT	2.080"
	#1365	.224"	55gr.	SBT	2.090"
	#1390	.224"	55gr.	HPBT	2.020"
	#1455	.224"	55gr.	BlitzKing	2.110"*




*55gr BlitzKing requires a 1x12" or faster twist

Powder ▾	Velocity >	2950	3050	3150	3250	3350	3450	3500
Benchmark		23.8	24.8	25.9	27.0	28.2	29.4	
IMR 8208 XBR			25.5	26.5	27.6	28.8	29.9	30.6
H4895				26.3	27.3	28.5	29.8	
IMR 4166 End.			26.7	27.8	28.9	30.0		
Power Pro Varmint				26.9	28.0	29.2	30.5	31.2
RE 15			27.1	28.2	29.4	30.5	31.6	32.2
Varget			26.0	27.1	28.2	29.5	30.8	
Energy Ft. Lbs		1005	1074	1145	1219	1296	1374	1414

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	Varget	30.8	3450	1374
Hunting Load	IMR 8208 XBR	30.6	3500	1414




Sierra does not recommend MatchKing bullets for hunting applications.

22 BR

Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1375	.224"	60gr.	HP	2.080"				
	#7160	.224"	60gr.	TMK	2.180"*				
	#1370	.224"	63gr.	SMP	2.050"				
*60gr TMK requires a 1x10" or faster twist									
Powder	Velocity	2700	2800	2900	3000	3100	3200	3300	
Benchmark			23.0	24.0	25.2	26.4			
IMR 8208 XBR				24.5	25.7	26.9	28.2		
H4895			23.2	24.4	25.6	26.8	28.0		
IMR 4166 End.	23.8		24.9	25.9	27.1	28.2	29.4		
Power Pro Varmint				24.6	26.1	27.5	28.9		
RE 15				26.5	27.6	28.8	29.9	31.0	
Varget				25.6	27.0	28.2	29.3		
Energy Ft. Lbs		971	1044	1120	1199	1280	1364	1451	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	Varget	29.3	3200	1364					
Hunting Load	RE 15	31.0	3300	1451					

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7.2 BR

Bullet	Caliber	Weight	Type	C.O.A.L.
	#1395	.224"	65gr. SBT	2.070"*
	#1380	.224"	69gr. HPBT Match	2.120"*
	#7169	.224"	69gr. TMK Match	2.180"*





*requires a 1x10" or faster twist

Powder	Velocity	2600	2700	2800	2900	3000	3100	3200
IMR 4166 End.		25.0	26.1	27.2	28.3			
RE 15			26.5	27.6	28.6	29.7		
Varget			25.9	26.9	28.0	29.1		
Big Game			28.1	29.2	30.3	31.5	32.6	
N540			26.4	27.5	28.5	29.5		
IMR 4451 End.	27.6	28.6	29.7	30.8	32.0			
H4350		27.2	28.2	29.4	30.6	31.8		
RE 16			28.7	29.9	31.1	32.3		
RE 17		27.3	28.2	29.2	30.2	31.3	32.3	
AR Comp			23.9	25.0	26.2			
Energy Ft. Lbs		975	1052	1131	1214	1299	1387	1478


Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	RE 16	32.3	3100	1387
Hunting Load	Big Game	32.6	3200	1478

Sierra does not recommend MatchKing bullets for hunting applications.


22 BR

	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#9377	.224"	77gr.	HPBT Match	2.120"*			
	#9377G	.224"	77gr.	HPBT Match Cannelured	2.120"*			
	#7177	.224"	77gr.	TMK Match	2.170"*			
	#9390	.224"	80gr.	HPBT Match	2.270"*			
*requires a 1x8" or faster twist								
Powder	Velocity	2450	2550	2650	2750	2850	2950	3000
IMR 4166 End.		23.1	24.1	25.1	26.1	27.1		
RE 15				25.2	26.4	27.5	28.6	
Varget			23.7	24.9	26.0	27.1		
Big Game				27.3	28.7	30.0	31.1	31.6
N540			24.1	25.2	26.2	27.4		
IMR 4451 End.		26.8	27.8	28.8	29.9	30.9		
H4350			26.3	27.4	28.4	29.5	30.5	
RE 16				27.0	28.2	29.4	30.6	31.1
RE 17				27.2	28.3	29.3	30.3	30.8
AR Comp			22.1	23.3	24.5	25.7		
Hybrid 100V				27.4	28.5	29.5	30.6	31.2
Energy Ft. Lbs		1026	1112	1200	1293	1389	1488	1539
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	RE 16	31.1	3000	1539				
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22 BR

Bullet Caliber Weight Type							C.O.A.L.	
	#9290	.224"	90gr.	HPBT Match			2.280"*	
*requires a 1x6.5" or faster twist **requires a 1x7" twist @2650fps and faster								
Powder ▾	Velocity >	2300	2400	2500	2600	2700	2750	2800
IMR 4166 End.			22.8	23.9	25.1	26.2		
RE 15				24.1	25.4	26.7	27.3	
Varget			22.3	23.5	24.8			
Big Game				25.9	27.1	28.5	29.2	
N540			23.0	24.2	25.4	26.5		
IMR 4451 End.		24.5	25.5	26.6	27.8	29.1		
H4350			24.3	25.5	26.8	28.2		
RE 16				25.6	26.9	28.2	28.9	29.5
RE 17				25.3	26.5	27.8	28.4	29.0
AR Comp			21.3	22.6				
Hybrid 100V				25.6	27.0	28.2	28.8	29.4
Energy Ft. Lbs		1057	1151	1249	1351	1457	1511	1566
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	RE 16	29.5	2800	1566				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								

22 BR

Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1396	.224"	95gr.	HPBT Match	2.280"*				
*requires a 1x6.5" or faster twist									
Powder	Velocity	2200	2300	2400	2500	2600	2650	2700	
IMR 4166 End.		21.0	22.1	23.3	24.5				
RE 15			22.5	23.7	24.9	26.1			
Varget		20.8	22.0	23.2	24.5				
Big Game			24.1	25.4	26.7	27.9	28.5		
N540		21.5	22.7	23.9	24.9				
IMR 4451 End.			24.9	26.2	27.4	28.5	29.0		
H4350			23.6	25.0	26.3	27.4			
RE 16			23.8	25.1	26.4	27.8	28.5	29.2	
RE 17			23.9	25.1	26.3	27.5	28.0		
AR Comp		19.5	20.7	22.0					
Hybrid 100V				24.9	26.2	27.4	28.1	28.7	
Energy Ft. Lbs		1021	1116	1215	1318	1426	1481	1538	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	Big Game	28.5	2650	1481					
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