

# 6.5 X 47 LAPUA

## Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-8"

## Components:

Case: Lapua

Trim-to Length: 1.840"

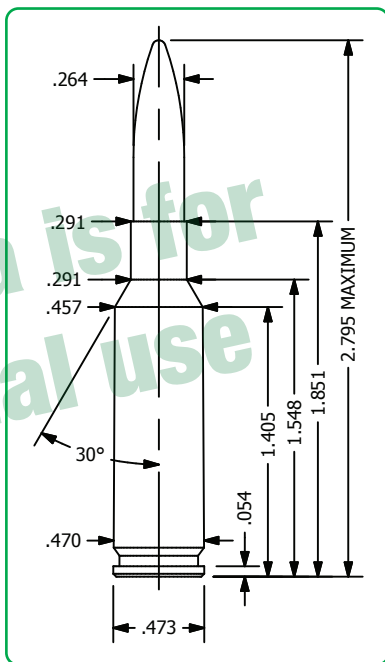
Primer: CCI BR4

## Remarks:



The 6.5x47 Lapua was developed specifically for 300meter targeting shooting by ammunition maker Nammo Lapua and the Swiss firearms manufacture Grünig & Elmiger AG in 2005. From the beginning of this cartridges conception it was optimized for accuracy, case life, and Barrel life. Case life is increased by employing a small rifle primer allowing a thicker stronger case head to reduce primer pocket growth. The chamber design allows for optimal seating depths with longer caliber bullets to be seated in the middle of the neck away from the neck shoulder junction but still retaining plenty of neck length to provide ample tension for consistent bullet release. Being able to seat bullets out in the neck allows for maximum usage of available case volume. Having use of the maximum case volume further allows the utilization of medium to slow burn rate powders such as H4350, N540, and RE 16 for increased barrel life.

Besides 300 meter target shooting the 6.5x47 Lapua has enjoyed much success in the sports midrange F class and High power silhouette. In High Power Silhouette the 6.5x47 Lapua reload ability really shines. Reduced velocity and recoil loads with 107gr 123gr bullets still provide the sub MOA accuracy needed for the 200m 385m targets while maintaining the energy need to topple the thick steel targets. A full velocity load can also be easily developed using the 140gr-150gr high BC bullets to topple the 60lb+ Ram target at 500m.



This cartridge has also proved itself as a capable hunting and tactical cartridge; it is considered a medium powered cartridge similar to the 260 Remington and the 6.5 Creedmoor. Due to its design it can be loaded to 2.800" magazine length with even the heaviest of bullets. In medium game hunting situations the 6.5x47 Lapua would work best with 120gr to 130gr bullets. In certain reloading situations users may find better accuracy and power ignition with small rifle magnum primers over standard small rifle primers.



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		Bullet Caliber Weight Type							C.O.A.L.
	#1715	.264"	107gr.	HPBT Match					2.660"
	#7407	.264"	107gr.	TMK Match					2.690"
Powder v	Velocity >	2550	2650	2750	2850	2950	3050	3100	
Benchmark		29.3	30.7	32.1	33.6	35.0			
IMR 8208 XBR			30.6	32.0	33.4	34.9			
H4895			30.6	32.0	33.5	35.0	36.7		
IMR 4166 End.		30.3	31.7	33.1	34.5	35.9			
A 4064			32.5	34.0	35.5	37.0	38.5		
A 2520			32.6	34.0	35.4	36.8	38.2	39.0	
RE 15			32.3	33.9	35.5	37.0	38.4	39.1	
N140			32.5	34.2	35.9	37.4			
Varget			31.9	33.3	34.8	36.3	37.8		
Big Game			35.6	36.9	38.3	39.8	41.4	42.3	
N540		31.3	32.9	34.5	35.9	37.2	38.4		
IMR 4451 End.					39.9	41.1	42.3		
H4350			35.6	37.1	38.6	40.1	41.5	42.2	
RE 17		34.9	36.2	37.5	38.8	40.1	41.3	41.9	
<b>Energy Ft. Lbs</b>		<b>1545</b>	<b>1668</b>	<b>1796</b>	<b>1929</b>	<b>2067</b>	<b>2210</b>	<b>2283</b>	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
<b>Accuracy Load</b>	A 2520	39.0	3100	2283					
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>									

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Bullet	Caliber	Weight	Type	C.O.A.L.				
	#1720	.264"	120gr. SPT	2.610"				
	#1725	.264"	120gr. HPBT Match	2.660"				


Powder	Velocity	2350	2450	2550	2650	2750	2850	2900
Benchmark		27.5	29.0	30.6	32.2			
IMR 8208 XBR		27.6	29.3	30.8	32.4	33.9		
H4895			28.9	30.5	32.0	33.6		
IMR 4166 End.		28.4	30.0	31.5	33.0	34.5		
A 2520			30.4	32.1	33.7	35.3		
RE 15			30.7	32.2	33.7	35.4		
N140		29.6	31.2	32.8	34.5			
Varget			30.0	31.6	33.2	34.8		
Big Game			32.8	34.3	35.9	37.6	39.3	40.1
N540			30.9	32.4	34.0	35.6		
IMR 4350		32.1	33.6	35.2	36.8	38.5		
IMR 4451 End.			34.8	36.1	37.6	39.3		
H4350				33.9	35.5	37.2	39.1	40.1
RE 17			33.4	35.0	36.6	38.1	39.5	
<b>Energy Ft. Lbs</b>		<b>1471</b>	<b>1599</b>	<b>1732</b>	<b>1871</b>	<b>2015</b>	<b>2164</b>	<b>2240</b>




Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
<b>Accuracy Load</b>	RE 17	39.5	2850	2164
<b>Hunting Load</b>	Big Game	40.1	2900	2240

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Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1727	.264"	123gr.	HPBT Match	2.690"				
Powder	Velocity	2300	2400	2500	2600	2700	2800	2900	
Benchmark		27.9	29.3	30.8	32.3				
IMR 8208 XBR		28.5	30.0	31.5	33.0	34.6			
H4895				30.3	31.7	33.2			
IMR 4166 End.			29.3	30.8	32.3	33.7	35.0		
A 4064					33.0	34.5	36.0		
A 2520				31.2	32.9	34.5	36.0		
RE 15				31.4	32.9	34.3	35.8	37.2	
N140			30.2	31.8	33.4	34.9	36.3		
Varget			29.6	31.0	32.5	34.0	35.6		
Big Game				34.1	35.6	37.1	38.6	40.1	
N540			30.4	32.0	33.5	34.9	36.2		
IMR 4350		32.3	33.8	35.3	36.8	38.1	39.5		
IMR 4451 End.			34.0	35.5	37.0	38.4	39.7	41.0	
H4350				34.3	35.8	37.3	38.8	40.3	
RE 17				34.5	35.8	37.2	38.5	39.8	
<b>Energy Ft. Lbs</b>		<b>1445</b>	<b>1573</b>	<b>1707</b>	<b>1846</b>	<b>1991</b>	<b>2141</b>	<b>2297</b>	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
<b>Accuracy Load</b>	RE 15	37.2	2900	2297					
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>									

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Bullet	Caliber	Weight	Type	C.O.A.L.
	#1728	.264"	130gr. HPBT	2.520"
	#7430	.264"	130gr. TMK Match	2.700"*
	#4330	.264"	130gr. TGK	2.700"*




\*requires a 1x8" or faster twist

Powder	Velocity	2250	2350	2450	2550	2650	2750	2800
IMR 4166 End.	27.6	29.0	30.4	31.8	33.2			
RE 15	29.7	31.2	32.7	34.1	35.6			
N140	26.6	30.4	33.3	35.1				
Varget	29.4	30.8	32.3	33.9				
Big Game	32.1	33.6	35.0	36.5	38.0			
N540	29.9	31.4	32.9	34.3	35.8			
IMR 4350	31.8	33.1	34.4	35.8	37.3	38.7		
IMR 4451 End.	32.4	33.8	35.2	36.6	38.0	39.3		
A 4350	33.7	35.8	37.6	39.1	40.3	40.8		
H4350	32.8	34.2	35.7	37.2	38.7	39.5		
RE 16	32.1	33.8	35.4	37.0	38.6	39.4		
RE 17	32.7	34.1	35.5	36.9	38.2	38.9		
Hybrid 100V	31.8	33.4	35.0	36.5	37.8			
H4831sc	36.1	37.7	39.4	41.1	42.8			
<b>Energy Ft. Lbs</b>	<b>1461</b>	<b>1594</b>	<b>1732</b>	<b>1877</b>	<b>2027</b>	<b>2183</b>	<b>2263</b>	


Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
<b>Accuracy Load</b>	RE 17	38.9	2800	2263
<b>Hunting Load</b>	A 4350	40.8	2800	2263

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	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1730	.264"	140gr.	SBT	2.600"			
	#1740	.264"	140gr.	HPBT Match	2.580"			
	#1742	.264"	142gr.	HPBT Match	2.675"*			
*requires a 1x8" or faster twist								
Powder	Velocity	2200	2300	2400	2500	2600	2650	2700
Varget		27.8	29.3	30.9	32.5			
Big Game		30.3	31.9	33.4	34.9	36.4	37.2	37.9
N540			30.4	31.9	33.3			
IMR 4350		30.7	32.2	33.9	35.6	37.4		
IMR 4451 End.		31.4	33.0	34.6	36.2	37.6		
A 4350			31.6	33.3	35.2	37.3	38.3	
H4350			31.1	32.7	34.5	36.3	37.2	
RE 16					35.0	36.8	37.7	38.5
RE 17			31.6	33.2	34.8	36.5	37.4	38.3
Hybrid 100V			31.5	33.1	34.7	36.3	37.2	
RE 19			34.7	36.7	38.5	40.2	40.9	41.6
H4831sc					37.9	40.0	41.0	42.0
<b>Energy Ft. Lbs</b>		<b>1504</b>	<b>1644</b>	<b>1790</b>	<b>1943</b>	<b>2101</b>	<b>2183</b>	<b>2266</b>
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
<b>Accuracy Load</b>	IMR 4451 End.	37.6	2600	2101				
<b>Hunting Load</b>	Big Game	37.9	2700	2266				
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# 6.5 R 47 LAPUA

Bullet		Caliber	Weight	Type	C.O.A.L.					
		#1755	.264"	150gr.	HPBT Match	2.790"*				
*requires a 1x7.5" or faster twist										
Powder	Velocity	2150	2250	2350	2450	2500	2550	2600		
Big Game		30.3	32.0	33.7	35.2	36.0	36.7			
IMR 4350		30.2	31.9	33.6	35.3	36.2				
IMR 4451 End.		30.8	32.4	34.0	35.6	36.4	37.3			
A 4350			31.3	32.9	34.9	36.1				
H4350			30.8	32.4	34.2	35.2	36.2			
RE 16				32.4	34.4	35.4	36.4	37.4		
RE 17				31.5	33.0	34.6	35.3	36.1	36.9	
Hybrid 100V		29.7	31.3	32.8	34.4	35.2	36.0			
RE 19			33.8	36.0	37.9	38.8	39.6	40.4		
Hunter				36.0	37.6	38.5	39.4	40.4		
H4831sc			33.6	35.4	37.3	38.3	39.3	40.3		
<b>Energy Ft. Lbs</b>		<b>1539</b>	<b>1686</b>	<b>1839</b>	<b>1999</b>	<b>2081</b>	<b>2165</b>	<b>2251</b>		
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs						
<b>Accuracy Load</b>	RE 17	36.9	2600	2251						
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>										