

6 x 47 LAPUA

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-8"

Components:

Case: Lapua (formed from 6.5 x 47 Lapua)

Trim-to Length: 1.840"

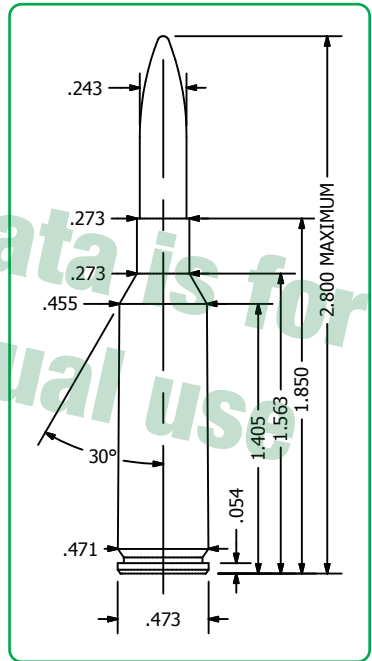
Primer: CCI BR4

Remarks:


With the great success of the 6.5 x 47 Lapua, it was only natural that wildcatters would continue to build on its optimized features. The 6.5 x 47 Lapua's inherent features of accuracy potential, long case life, and barrel life are all retained in the 6mm version. 6 x 47 Lapua cases can be easily formed in one step by running them into a 6mm necking die or changing the neck bushing on a 6.5 x 47 Lapua resizing die.


The 6 x 47 Lapua's case volume is optimized with the medium to slow burn rate powders such as H4350, N540, and RE 16 when loading the heaviest match bullets. With the lighter weight bullets often used by varmint hunters, slightly faster propellants such as Varget, RE 15, and N140 are recommended. In certain reloading situations, users may find better accuracy and power ignition with small rifle magnum primers over standard small rifle primers.

The 6 x 47 Lapua has seen its greatest usage in shooting events such as PRS. The cartridge's ability to be loaded to magazine length with high BC bullets and function in short action rifles increases its appeal in a game where smooth cycling and reliable feeding from a magazine are a must.






6 H 47 LAPUA

Bullet Caliber Weight Type		C.O.A.L.						
	#1502 .243" 55gr. BlitzKing	2.480"						
Powder ∨	Velocity >	3300	3400	3500	3600	3700	3800	3900
H4895		33.5	34.6	35.8	36.9	38.1	39.2	40.5
N135		32.4	33.6	34.8	36.2	37.5	39.0	
IMR 4166 End.		35.2	36.6	37.9	39.1	40.3	41.5	
A 4064		36.1	37.3	38.5	39.8	41.0	42.2	
RE 15			36.8	38.1	39.3	40.5	41.7	42.8
N140			37.1	38.4	39.7	41.1	42.4	
Varget			37.3	38.5	39.7	41.0	42.3	43.7
Energy Ft. Lbs		1330	1412	1496	1582	1672	1763	1857
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	N135	39.0	3800	1763				
Hunting Load	H4895	40.5	3900	1857				

Bullet Caliber Weight Type		C.O.A.L.						
	#1500 .243" 60gr. HP	2.430"						
Powder ∨	Velocity >	3200	3300	3400	3500	3600	3700	3800
H4895		31.8	32.9	34.1	35.2	36.5	37.7	39.0
N135			32.6	34.0	35.3	36.7		
IMR 4166 End.		34.0	35.3	36.6	37.8	39.1	40.3	
A 4064		34.6	35.8	37.0	38.3	39.7	41.1	
RE 15		34.5	35.8	37.0	38.2	39.4	40.5	
N140		34.3	35.8	37.3	38.7	40.0	41.3	
Varget			35.3	36.7	38.0	39.3	40.5	
Energy Ft. Lbs		1364	1451	1540	1632	1726	1824	1923
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	IMR 4166 End.	40.3	3700	1824				
Hunting Load	H4895	39.0	3800	1923				

6 X 47 LAPUA

	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1505	.243"	70gr.	HPBT Match	2.485"
	#1507	.243"	70gr.	BlitzKing	2.500"
	#1510	.243"	75gr.	HP	2.440"




Powder ▾	Velocity >	2800	2900	3000	3100	3200	3300	3400
H4895			29.9	31.1	32.5	33.9	35.5	
N135	28.4	29.8	31.3	32.7				
IMR 4166 End.		31.6	32.8	34.1	35.5	37.0		
A 4064		32.0	33.4	34.7	36.1	37.3		
RE 15		31.9	33.2	34.6	36.0	37.4	38.8	
N140			33.8	35.3	36.7	38.0		
Varget		31.8	33.1	34.5	35.9	37.3		
Energy Ft. Lbs		1218	1307	1399	1493	1591	1692	1796

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	N135	32.7	3100	1493
Hunting Load	RE 15	38.8	3400	1796





Sierra does not recommend MatchKing bullets for hunting applications.

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6 H 47 LAPUA

	Bullet	Caliber	Weight	Type	C.O.A.L.				
	#1515	.243"	80gr.	Blitz SBT	2.450"				
	#1520	.243"	85gr.	SPT	2.480"				
	#1530	.243"	85gr.	HPBT	2.440"				
Powder	Velocity	2700	2800	2900	3000	3100	3200	3300	
H4895		29.6	31.1	32.6					
N135		28.6	30.1	31.6					
IMR 4166 End.		31.7	33.1	34.6	36.1				
A 4064		31.8	33.2	34.7	36.1				
RE 15		32.4	33.7	35.1	36.6	38.1			
N140		31.4	32.9	34.4					
Varget		31.0	32.6	34.1	35.5				
IMR 4451 End.	33.2	34.7	36.2	37.7	39.3				
H4350				35.9	37.6	39.6			
RE 16		34.5	36.2	37.8	39.3	40.8	42.2		
RE 17		34.0	35.3	36.6	38.0	39.4	40.8		
Energy Ft. Lbs		1295	1392	1494	1598	1707	1819	1934	
Special Load	Powder	Grains	Velocity	fps	Energy	Ft. lbs			
Accuracy Load	RE 16	42.2	3300		1934				
Hunting Load	RE 16	42.2	3300		1934				
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6 X 47 LAPUA

Bullet	Caliber	Weight	Type	C.O.A.L.
	#1535	.243"	90gr. FMJBT	2.500"
	#4100	.243"	90gr. TKG	2.690"*
	#1537	.243"	95gr. HPBT Match	2.690"*
	#7295	.243"	95gr. TMK Match	2.670"*



*requires a 1x9" or faster twist

Powder	Velocity	2600	2700	2800	2900	3000	3050	3100
H4895			29.8	31.2	32.6	34.1		
IMR 4166 End.			31.2	32.6	34.0	35.4		
A 4064			31.6	32.9	34.3	35.7	36.5	
RE 15			31.4	32.9	34.3	35.6	36.2	36.8
N140	30.6		32.0	33.5	35.0			
Varget			31.3	32.9	34.4	35.8	36.4	
N540			31.4	32.7	34.1	35.4	36.1	
IMR 4451 End.			35.4	36.8	38.1	39.5	40.2	
H4350				35.3	36.7	38.2	38.9	39.6
RE 16				35.5	36.9	38.3	39.0	39.7
RE 17				35.3	36.7	38.1	38.8	39.4
Hybrid 100V				36.1	37.6	38.9	39.6	40.3
Energy Ft. Lbs		1351	1457	1566	1680	1798	1859	1920


Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	N140	35.0	2900	1680
Hunting Load	RE 15	36.8	3100	1920


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6 R 47 LAPUA

	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1540	.243"	100gr.	SPT	2.480"			
	#1560	.243"	100gr.	SBT	2.510"			
Powder	Velocity	> 2400	2500	2600	2700	2800	2900	3000
H4895			26.8	28.2	29.8			
IMR 4166 End.			28.5	29.8	31.2	32.7		
N140		28.0	29.3	30.8	32.3			
Varget			28.5	29.8	31.3	32.8		
N540			28.8	30.3	31.8	33.3		
IMR 4451 End.				33.8	35.3	36.7		
H4350			30.2	31.9	33.5	35.2	36.8	
RE 16				31.9	33.6	35.3	36.9	38.4
RE 17				32.0	33.6	35.1	36.5	37.9
Hybrid 100V				32.9	34.4	35.8	37.3	
Energy Ft. Lbs		1279	1388	1501	1618	1741	1867	1998
Special Load	Powder	Grains	Velocity	fps	Energy	Ft. lbs		
Accuracy Load	IMR 4166 End.	32.7	2800		1741			
Hunting Load	RE 16	38.4	3000		1998			
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6 H 47 LAPUA

Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1570	.243"	107gr.	HPBT Match	2.660"*				
*requires a 1x8" or faster twist									
Powder	Velocity	2400	2500	2600	2700	2800	2850	2900	
IMR 4166 End.			28.7	30.1	31.5	32.9			
N140		28.0	29.5	31.0	32.5				
Varget					31.5	33.2			
N540			28.9	30.3	31.7	33.1			
IMR 4451 End.				33.4	34.9	36.4	37.2	38.0	
H4350				31.9	33.6	35.2	36.0	36.8	
RE 16			31.3	33.0	34.6	36.3	37.1	37.9	
RE 17				32.2	33.8	35.2	35.9	36.6	
Hybrid 100V				32.6	34.3	35.8	36.5	37.2	
Energy Ft. Lbs			1368	1485	1606	1732	1862	1929	1998
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	N540	33.1	2800	1862					
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Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1575	.243"	110gr.	HPBT Match	2.760"*				
*requires a 1x7" or faster twist									
Powder	Velocity	2400	2500	2600	2650	2700	2750	2800	
IMR 4166 End.			29.1	30.7	31.5	32.4	33.2		
N140		28.4	30.0	31.5	32.2				
Varget			29.3	30.8	31.6	32.4	33.2		
N540			29.7	31.2	32.0	32.8	33.5		
IMR 4451 End.			32.5	34.1	34.9	35.7	36.5	37.3	
H4350				32.3	33.2	34.1	35.0	36.0	
RE 16				33.7	34.5	35.3	36.2	37.0	
RE 17				32.8	33.5	34.2	35.0	35.7	
Hybrid 100V			31.9	33.5	34.3	35.1	35.8	36.6	
Energy Ft. Lbs			1407	1526	1651	1715	1780	1847	1915
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	RE 17	35.7	2800	1915					
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