

25-06 Remington Ackley Improved

Test Specifications:

Firearm Used: Savage Model 116

Barrel Length: 26"

Twist: 1 x 10"

Components:

Case: Federal

Trim-to Length: 2.484"

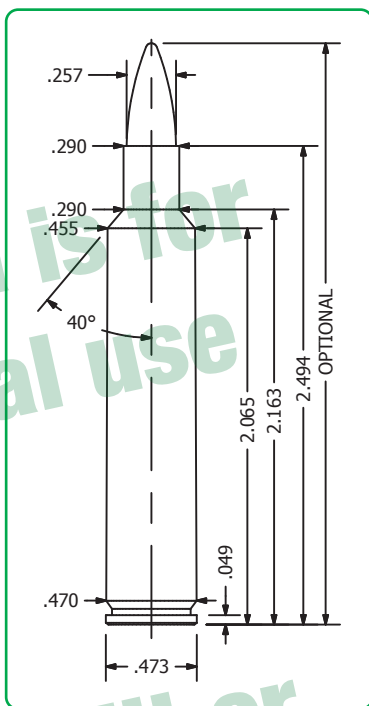
Primer: WLR

Remarks:



Dating back to only a decade or so after the introduction of the parent 30-06, the 25-06 is one of our oldest wildcats. Despite its potential, it wasn't until after the Second World War that the cartridge really came into its own. The greatest hindrance to the 25-06 prior to that point was the lack of slowburning powders needed to deliver peak performance. Even with their arrival on the handloading scene, Remington didn't standardize it as a SAAMI cartridge until 1969. This lack of appropriate powders explains P.O. Ackley's lack of enthusiasm for his version of the 25-06 Improved. Since the parent cartridge already had a bit more capacity than the available powders could effectively use, the resulting additional seven or eight percent was wasted. Because of this, he recommended the 257 Roberts Improved as a better all around cartridge.



In the past few years, handloaders have been presented with an ever expanding range of slow burning powders. Some are actually slow enough to make use of the 25-06's added capacity, turning it into a truly viable cartridge. With these, the 25-06 Improved has started to realize its true potential. There are few 25 caliber wildcats that can exceed its performance, and in fact, few that can even match it. Among the major factory cartridges, the 257 Weatherby stands alone as the one offering that can surpass its performance.

As with any extreme cartridge, there is a downside to attaining such speeds. The 25-06 Improved does not lend itself well to being downloaded. Barrel life is also an issue that should be considered carefully before chambering an Improved. Use as a round for big game certainly won't be a problem, nor will occasional shots in long range varminting. In the prairie dog fields, however, it would be easy to burn a barrel out in relatively few sessions. Used with discretion, the 25-06 Improved is a good performer for long range, medium size game hunting.






7.5-06 REMINGTON ACKLEY IMPROVED

	Bullet	Caliber	Weight	Type	C.O.A.L.		
	#1605	.257"	70gr.	BlitzKing	3.025"		
	#1600	.257"	75gr.	HP	3.025"		
Powder	Velocity	3400	3500	3600	3700	3800	3900
IMR 4064			48.4	49.8	51.2	52.6	54.0
760			53.9	55.5	57.1	58.7	60.3
Viht N150	47.5	49.2	50.9	52.6			
A 4350	54.8	55.9	57.0	58.1			
IMR 4350	53.3	54.7	56.1	57.5			
H4350	53.6	55.2	56.8	58.4			
H4831 SC	57.5	59.0	60.5	62.0	63.5	65.0	
Energy Ft. lbs	1925	2040	2158	2279	2404	2533	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs			
Accuracy Load	H4350	58.4	3700	2279			
Hunting Load	H4831 SC	65.0	3900	2533			

	Bullet	Caliber	Weight	Type	C.O.A.L.	
	#1610	.257"	87gr.	SPT	3.130"	
	#1615	.257"	90gr.	HPBT	3.100"	
Powder	Velocity	3200	3300	3400	3500	3600
760				51.8	54.4	57.0
Viht N150			46.0	48.0	50.0	52.0
A 4350			52.3	54.0	55.7	
IMR 4350			51.3	53.2	55.1	57.0
H4350			52.4	54.2	56.0	
RE 19			53.7	56.1	58.5	
IMR 4831	53.2	54.7	56.2	57.7	59.2	
A 3100	55.8	57.0	58.2	59.4		
H4831 SC	55.1	56.7	58.3	59.9	61.5	
MagPro	57.5	59.5	61.5	63.5	65.5	
Energy Ft. lbs	1978	2103	2233	2366	2503	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs		
Accuracy Load	IMR 4350	55.1	3500	2366		
Hunting Load	IMR 4831	59.2	3600	2503		




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Bullet	Caliber	Weight	Type	C.O.A.L.
	#1620	.257"	100gr. SPT	3.130"
	#1625	.257"	100gr. SBT	3.130"
	#1628	.257"	100gr. HPBT MatchKing	3.230"

Powder	Velocity	3000	3100	3200	3300	3400
A 4350	48.5	50.2	51.9	53.6	55.3	
IMR 4350	46.6	48.8	51.0	53.2	55.4	
H4350	46.2	48.5	50.8	53.1	55.4	
RE 19	47.4	49.8	52.2	54.6	57.0	
A 3100	51.1	53.0	54.9	56.8	58.7	
H4831 SC		53.2	55.0	56.8	58.6	
MagPro		56.8	58.9	61.0	63.1	
Viht N165	50.5	52.9	55.3	57.7		
RE 22			53.9	55.5	57.1	
H1000		55.6	58.4	61.2		
Energy Ft. lbs		1998	2133	2273	2418	2566

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	MagPro	61.0	3300	2418
Hunting Load	H4831 SC	58.6	3400	2566

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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1630	.257"	117gr.	SBT	3.130"
	#1640	.257"	117gr.	SPT	3.130"
	#1650	.257"	120gr.	HPBT	3.120"

Powder ▾	Velocity >	2900	3000	3100	3150	3200
IMR 4350	47.2	48.9	50.6	51.4		
H4350	45.2	47.5	49.8			
IMR 4831		50.0	52.1	53.1	54.2	
A 3100	50.2	52.0	53.8	54.7	55.6	
H4831 SC	49.9	51.8	53.7	54.6		
MagPro	52.6	55.1	57.6	58.8		
Viht N165	48.6	51.4	54.2			
RE 22	48.2	50.3	52.4	53.4	54.5	
H1000	51.4	54.2	57.0			
RE 25	51.0	53.5	56.0			
Energy Ft. lbs		2184	2338	2496	2577	2660

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	Viht N165	54.2	3100	2496
Hunting Load	IMR 4831	54.2	3200	2660