

280 Remington

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-10"

Components:

Case: Winchester

Trim-to Length: 2.530"

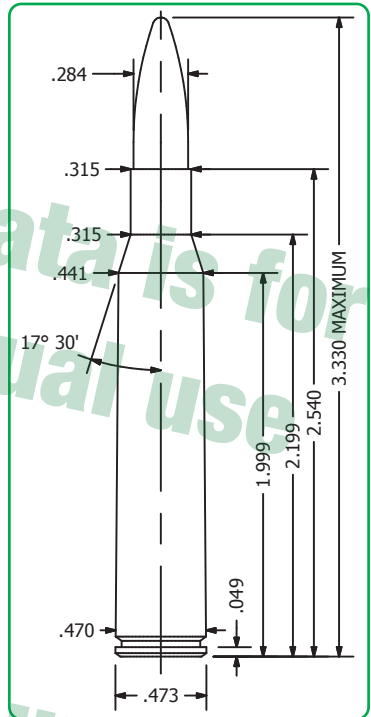
Primer: WLR

Remarks:


Introduced in 1957 in Remington's 740 autoloader, the 280 has had a checkered career. Early versions of this cartridge have been around since the early 1920s. The 7mm-06, the 285 OKH, and the 7mm Mashburn are all examples of the same basic case that developed a loyal following in the United States. The remarkably similar 7x64mm Brenneke has been a popular chambering in Europe since shortly before the First World War.


There are differing opinions about why the 280 hasn't received the full popularity it deserves. Competition from the already well established 270 and the newer and more potent 7mm Remington Magnum have no doubt been factors. Another reason may be Remington's introduction of the cartridge in an autoloader and then the Model 760 pump action. Intended to provide 270 Winchester performance, factory ammunition was downloaded for these actions. This also reduced the appeal of the round. The 280's potential is most apparent when it is loaded in a good bolt action. Remington saw this, and offered the cartridge first in the Model 721 bolt action and the subsequent Model 700. In a public relations move, the cartridge was reintroduced as the 7mm-06 in 1979. Realizing the potential for confusion with the already established 7mm-06 wildcat, which has slightly different headspace dimensions, Remington reintroduced the round as the 7mm Remington Express just a few months later. This created even more chaos, as customers confused the 7mm Express and 7mm Magnum, sometimes with disastrous results. Confused? So was the gun buying public. Remington changed the name back to its original 280 Remington a few years later.

When judged on its own merits, the 280 is probably one of our better big game cartridges. When loaded to equal pressures, it will match anything the 270 can do, and then some. With the wider range of bullet weights and styles available, it is an extremely versatile cartridge. With proper bullet selection, the 280 will handle any chore from off season varminting through larger North American big game species.






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Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1900	.284"	120gr.	SPT	3.300"				
Powder	Velocity	2600	2700	2800	2900	3000	3100	3200	
IMR 4166 End.		40.5	42.1	43.8	45.7	47.6	49.6		
A 4064			42.9	44.6	46.5	48.6	50.9		
RE 15			42.7	45.1	47.5	50.1			
N140		41.2	42.8	44.6	46.6	48.9			
Varget		41.2	43.1	44.9	46.7	48.4	50.0		
IMR 4451 End.			48.3	50.2	52.1	54.1	56.2		
RE 16			48.1	50.3	52.3	54.4	56.3		
Energy Ft. Lbs		1801	1942	2089	2240	2398	2560	2728	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb					
Accuracy Load	A 4064	50.9	3100	2560					
Hunting Load	RE 16	56.3	3200	2728					

Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1903	.284"	130gr.	HPBT Match	3.340"				
Powder	Velocity	2550	2650	2750	2850	2900	2950	3000	
H4895		37.7	38.8	40.4	42.5	43.7	45.0		
A 2495		38.8	40.9	42.9	44.9	45.9	46.8		
IMR 4166 End.			41.7	43.4	45.1	46.0	46.8	47.7	
A 4064			41.6	43.7	45.8	46.9	47.9	48.9	
RE 15			40.9	42.6	44.7	45.8	47.0	48.2	
N140			41.8	44.2	46.3	47.3	48.2		
Varget			42.1	44.0	45.7	46.5	47.3		
N540			41.2	42.7	44.5	45.5	46.5	47.6	
IMR 4451 End.			46.8	48.7	50.7	51.7	52.8	53.8	
RE 16			45.1	47.3	49.3	50.3	51.3	52.3	
Energy Ft. Lbs		1877	2027	2183	2344	2427	2512	2597	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb					
Accuracy Load	IMR 4166 End.	47.7	3000	2597					
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>									




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	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1905	.284"	140gr.	SBT	3.220"			
	#1910	.284"	140gr.	SPT	3.220"			
	#1912	.284"	140gr.	HPBT	3.230"			
Powder	Velocity	2600	2650	2700	2750	2800	2850	2900
IMR 4166 End.		42.0	43.0	43.9	44.9	45.9	46.9	
A 4064				44.6	46.0	47.2	48.4	
RE 15				44.0	45.6	47.0	48.2	49.2
N140		42.7	43.9	45.1	46.2	47.2		
Varget		42.4	43.4	44.5	45.5	46.4	47.3	
N540		42.8	43.4	44.1	45.1	46.1	47.4	
IMR 4451 End.			49.3	50.1	51.1	52.0	53.1	54.2
H4350					49.1	50.3	51.6	52.8
RE 16				48.3	49.3	50.3	51.4	52.4
Hybrid 100V					49.2	50.6	51.8	52.9
Hunter				50.7	51.9	53.0	54.1	55.0
H4831sc				53.4	54.6	55.8	56.9	57.9
Energy Ft. Lbs		2101	2183	2266	2351	2437	2525	2614
Special Load	Powder	Grains	Velocity	fps		Energy	Ft. lb	
Accuracy Load	Hybrid 100V	52.9	2900			2614		
Hunting Load	RE 15	49.2	2900			2614		



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Bullet	Caliber	Weight	Type	C.O.A.L.				
	#1913	.284"	150gr. SBT	3.275"				
	#1915	.284"	150gr. HPBT Match	3.300"				
Powder	Velocity	2350	2450	2550	2650	2700	2750	2800
IMR 4166 End.		39.5	41.3	43.2	44.2	45.2		
A 4064			41.4	43.5	44.6	45.9		
RE 15		39.0	40.9	42.9	44.0	45.0		
N140		39.1	41.2	43.5	44.7			
Varget		39.5	41.4	43.5	44.6			
N540		39.2	41.1	43.0	44.0	45.1		
IMR 4451 End.	42.1	44.1	46.2	48.3	49.3	50.3	51.3	
H4350		41.8	44.0	46.2	47.4	48.5	49.7	
RE 16		42.4	44.5	46.7	47.7	48.8	49.9	
Hybrid 100V		42.1	44.2	46.3	47.4	48.5	49.6	
Hunter		44.2	46.4	48.6	49.8	50.9	52.0	
H4831sc				50.7	51.9	53.0	54.1	
Energy Ft. Lbs		1839	1999	2165	2339	2428	2518	2611
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	Hunter	52.0	2800	2611				
Hunting Load	IMR 4451 End.	51.3	2800	2611				
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	Bullet	Caliber	Weight	Type	C.O.A.L.				
	#1920	.284"	160gr.	SBT	3.300"				
	#1925	.284"	160gr.	HPBT	3.280"				
	#7660	.284"	160gr.	TMK Match	3.450"				
Powder	Velocity	2250	2350	2450	2550	2600	2650	2700	
A 4064			38.1	40.0	42.0	43.2	44.4		
RE 15	35.8		37.4	39.3	41.3	42.4	43.5		
N140			38.4	40.4	42.5	43.6			
N540			38.3	40.1	42.1	43.1	44.2		
IMR 4451 End.			43.2	45.1	47.2	48.2	49.3	50.4	
H4350			40.7	42.7	44.8	45.9	47.0	48.1	
RE 16			41.1	43.3	45.5	46.6	47.7	48.8	
Hybrid 100V			40.5	42.7	44.9	46.0	47.0	48.1	
Hunter			43.3	44.9	46.7	47.7	48.8	50.0	
H4831sc					47.2	49.7	50.9	52.1	53.4
Energy Ft. Lbs		1798	1962	2132	2310	2401	2494	2589	
Special Load	Powder	Grains	Velocity	fps	Energy	Ft. lb			
Accuracy Load	RE 16	48.8	2700		2589				
Hunting Load	IMR 4451 End.	50.4	2700		2589				
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Bullet	Caliber	Weight	Type	C.O.A.L.
	#1930	.284"	168gr. HPBT Match	3.330"
	#4565	.284"	165gr. TGK	3.370"

Powder	Velocity	2200	2300	2400	2500	2600	2650	2700
IMR 4451 End.		40.1	42.2	44.2	46.3	48.4	49.4	
H4350		39.8	41.9	44.1	46.5	47.8		
RE 16				42.3	44.7	47.0	48.1	49.2
RE 17		40.2	42.0	44.0	46.1	47.1	48.2	
Hybrid 100V		39.8	42.1	44.4	46.7	47.8	48.9	
H4831sc				46.3	48.7	51.0	52.2	53.3
N165					50.7	53.1	54.2	55.4
IMR 7977 End.				52.4	54.2	56.0	57.0	57.9
H1000					51.5	53.7	54.7	55.8
Energy Ft. Lbs		1773	1938	2110	2289	2476	2572	2670



Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	RE 16	49.2	2700	2670
Hunting Load	IMR 7977 End.	57.9	2700	2670


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	Bullet	Caliber	Weight	Type					C.O.A.L.
	#1940	.284"	175gr.	SBT					3.330"
	#1975	.284"	175gr.	HPBT Match					3.450"*
*requires 1 x 8.5" twist or faster twist									
Powder	Velocity	2300	2350	2400	2450	2500	2550	2600	
IMR 4451 End.		43.6	44.5	45.4	46.3	47.3	48.2	49.2	
H4350		41.7	42.8	43.9	44.9	45.9	46.9	47.9	
RE 16				43.9	45.0	46.1	47.2	48.4	
RE 17				42.8	43.9	45.0	46.0	46.9	
Hybrid 100V			42.9	43.8	44.7	45.7	46.8	48.0	
H4831sc				47.5	48.6	49.8	51.0	52.2	
N165				49.6	50.7	51.8	52.8	53.9	
IMR 7977 End.			51.9	52.8	53.6	54.6	55.5	56.5	
H1000				49.8	51.0	52.1	53.2	54.3	
Energy Ft. Lbs		2055	2146	2238	2332	2428	2526	2626	
Special Load	Powder	Grains		Velocity fps		Energy Ft. lb			
Accuracy Load	IMR 4451 End.	49.2		2600		2626			
Hunting Load	N165	53.9		2600		2626			
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Bullet	Caliber	Weight	Type	C.O.A.L.				
	#1980	.284"	180gr. HPBT Match	3.350"*				
	#1983	.284"	183gr. HPBT Match	3.600"*				
*requires 1 x 8" twist or faster twist								
Powder	Velocity	2250	2350	2400	2450	2500	2550	2600
IMR 4451 End.		42.1	44.0	45.0	45.9	47.0	48.0	
H4350			42.2	43.3	44.5	45.7	47.0	
RE 16			42.5	43.8	45.2	46.4	47.6	
RE 17			42.1	43.3	44.4	45.5	46.5	47.4
Hybrid 100V			42.6	43.9	45.1	46.2	47.3	48.3
H4831sc			46.6	47.8	49.0	50.2	51.3	52.4
N165				49.5	50.9	52.2	53.3	54.3
IMR 7977 End.		50.4	52.2	53.1	54.0	54.8	55.7	56.6
H1000			49.4	50.6	51.7	52.8	53.9	54.9
Energy Ft. Lbs		2023	2207	2302	2399	2498	2598	2701
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	IMR 4451 End.	48.0	2550	2598				
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Bullet	Caliber	Weight	Type	C.O.A.L.				
	#1997	.284"	197gr. HPBT Match	3.590"*				
*requires 1 x 7.5" twist or faster twist								
Powder	Velocity	2100	2200	2300	2350	2400	2450	2500
H4350			40.3	42.6	43.8	45.0		
RE 16			40.6	42.8	44.0	45.2	46.5	
Hybrid 100V			40.2	42.7	43.8	45.0	46.1	
H4831sc		41.3	43.7	46.1	47.3	48.5	49.7	
N165		43.2	45.8	48.2	49.4	50.4	51.5	
IMR 7977 End.			49.6	51.7	52.6	53.4	54.1	
H1000				48.8	49.9	51.1	52.3	53.4
Energy Ft. Lbs		1929	2117	2314	2415	2519	2625	2733
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	Hybrid 100V	46.1	2450	2625				
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