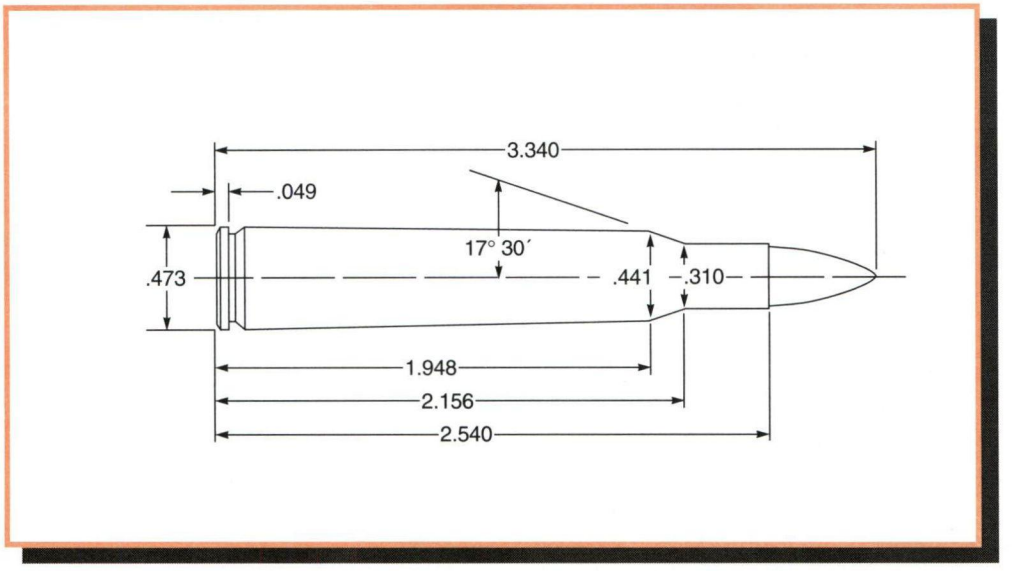
270 Winchester



Comments:

The 270 Winchester has become one of the classic American rifle cartridges over the last 75 years. It has taken virtually every thin-skinned game imaginable and provides endless debate as one half of the "30-06 Springfield versus 270 Winchester" argument. Indeed, 270 Winchester dies have consistently been among the top three in Lyman's rifle die sales for many years. Winchester introduced the 270 in 1925 in their Model 54 rifle. The cartridge is essentially a necked down 30-06 with minor dimensional changes. The .277" diameter bullet was entirely new to the shooting public. Some sources indicate Winchester may have based this bullet size on an obscure prototype for a Chinese military cartridge dating to the turn of the century.

The 270 Winchester has become synonymous with the late Jack O'Connor of *Outdoor Life* magazine. His untiring advocacy of the 270 Winchester loaded with 130-grain bullets established it as a potent, flat-shooting cartridge suitable most North American hunting situations. Properly loaded, the 270 will do much of what the 30-06 will do on all but the larger species in North America.

Test Components:

Cases . . . . . .Winchester
Trim-to Length . . . . . .2.530"
Primers . . . . . .Winchester WLR
Primer Size . . . . . .Large Rifle
Lyman Shell Holder . . . . . .No. 2
Jacketed Bullets Used . . . . . .Sierra HP #1800, 90 gr.
Hornady SP #2710, 100 gr.
Sierra SPT #1810, 110 gr.
Sierra SBT #1820, 130 gr.
Hornady BTSP #2735, 140 gr.
Hornady SP #2740, 150 gr.
Nosler SP, #16324, 160 gr.
Cast Bullets Used . . . . . .(sized to .278" dia)
*gas check bullet *280642, 150 gr.

Test Specifications: (Velocity & Pressure)

Firearm Used . . . . . .Universal Receiver
Barrel Length . . . . . .26"
Twist . . . . . .1-10"
Groove Dia. . . . . ..277"

90 gr. Jacketed HP — 3.090" OAL — **BC:** .195 **SD:** .168

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
IMR-4064	48.5	3032	37,700	53.8	3532	51,500
Varget	48.5	3112	38,000	54.0	3536	50,300
RX15	48.5	3142	38,700	54.0	3527	49,100
AA2700	50.5	3020	39,500	**56.0**	**3401**	**50,500**
IMR-4350	52.0	2883	36,800	58.0+	3376	49,900
IMR-4831	54.0	2907	37,400	60.0+	3416	50,200

100 gr. Jacketed SP — 3.175" OAL — **BC:** .307 **SD:** .186

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
IMR-4895	46.5	3134	44,600	50.0	3356	53,600
IMR-4064	46.0	3067	40,300	51.5	3413	53,600
Varget	47.5	3071	41,200	53.0	3416	50,900
IMR-4320	46.0	2976	39,900	51.5	3333	53,200
RX15	48.0	2991	38,700	53.5	3364	50,300
H-380	48.0	3086	39,900	54.0	3436	54,000
AA2700	50.5	3039	45,200	**56.0**	**3353**	**52,000**
IMR-4350	50.0	2949	41,100	57.0+	3345	54,400
IMR-4831	53.5	2763	37,000	59.5+	3254	48,000
H4831	55.0	2702	40,300	62.0+	3356	51,600
**SR-4759	23.0	2279	33,900	27.3	2607	39,900
**XMP-5744	26.5	2326	31,200	31.3	2614	36,900

Note: Loads shown in shaded panels are maximum.
Loads shown in bold designate potentially most accurate load.
+ Designates a compressed powder charge.
**Designates a reduced load.

270 Winchester

110 gr. Jacketed SPT
3.285" OAL

BC: .318
SD: .205

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
IMR-4064	45.0	2920	40,000	**50.5**	**3271**	**50,600**
Varget	46.0	2922	40,000	51.0	3213	50,800
RX15	45.0	2861	38,000	52.7	3296	51,400
AA2700	48.0	2881	43,200	53.5	3128	50,600
H-414	49.2	2833	35,500	56.0	3266	50,400
IMR-4350	49.2	2873	38,700	56.0	3274	49,600
IMR-4831	54.0	2846	37,500	61.0+	3376	51,900
XMR-3100	52.0	2655	36,100	61.5+	3230	51,800
H4831	54.0	2824	38,600	61.0+	3174	49,200

130 gr. Jacketed SBT
3.250" OAL

BC: .436
SD: .242

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
IMR-4064	44.5	2695	39,500	49.5	3014	50,600
Varget	42.0	2723	41,500	47.0	2970	52,000
H-380	44.0	2680	41,100	50.0	2994	54,000
H-414	48.5	2726	40,700	54.0	3033	50,500
IMR-4350	49.0	2654	38,200	54.5	3032	51,100
N160	50.0	2652	37,700	55.5	2999	49,800
RX19	48.5	2486	35,000	57.0	3066	51,900
IMR-4831	53.0	2823	40,800	57.0+	3127	52,100
XMR-3100	50.0	2536	36,300	59.0+	2939	51,900
H4831	52.0	2726	40,200	**58.0+**	**2990**	**50,900**
RX22	51.0	2564	35,600	60.0+	3173	51,800
IMR-7828	53.5	2600	39,200	59.5+	3042	51,700
**SR-4759	24.0	2210	39,000	28.5	2502	50,200
**XMP-5744	27.0	2223	35,100	31.0	2469	39,900

140 gr. Jacketed BTSP
3.335" OAL

BC: .486
SD: .261

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
IMR-4064	41.3	2612	39,000	47.0	2929	52,000
H-414	46.2	2684	44,200	52.5	2914	51,700
N160	50.0	2588	38,900	**55.5**	**2929**	**50,900**
IMR-4350	49.0	2604	38,800	54.0	2982	51,000
RX19	51.3	2651	40,200	57.0	3010	51,400
IMR-4831	52.0	2703	39,900	56.3	3010	51,500
XMR-3100	48.8	2453	36,000	57.5	2979	51,900
H-4831	51.0	2603	35,000	58.0+	3004	51,000
RX22	52.5	2587	37,100	58.5+	2980	50,400
IMR-7828	53.0	2544	37,300	59.0+	2958	50,400

150 gr. Jacketed SP
3.285" OAL

BC: .462
SD: .279

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
IMR-4064	42.5	2510	41,800	47.0	2750	50,900
H-380	40.4	2434	41,300	46.0	2655	51,500
H-414	46.0	2547	44,200	51.0	2777	50,400
N160	48.0	2494	41,600	53.5	2766	50,900
IMR-4350	48.0	2524	40,400	52.0	2833	51,100
RX19	46.9	2386	36,300	55.2	2857	51,600
IMR-4831	50.3	2614	42,000	54.3	2860	52,000
XMR-3100	48.0	2354	36,300	56.6	2852	51,900
H-4831	50.5	2440	39,400	**56.0**	**2788**	**51,200**
RX22	48.8	2466	36,300	57.5+	2852	51,000
IMR-7828	51.5	2465	38,300	57.0+	2810	48,800
RX25	56.0	2569	39,400	62.0+	2907	49,600

160 gr. Jacketed SP
3.340" OAL

BC: .434
SD: .298

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
IMR-4350	47.0	2470	40,500	51.0	2755	50,600
IMR-4831	48.0	2403	37,000	53.5	2741	49,000
XMR-3100	49.5	2344	38,100	55.0	2685	50,000
RX22	51.5	2447	38,300	**57.0+**	**2798**	**49,900**
IMR-7828	51.5	2412	39,900	57.0+	2781	49,800
H1000	54.0	2407	35,700	60.0+	2776	49,300
RX25	55.5	2478	37,800	61.5+	2853	50,800

#280642
150 gr. (#2 Alloy) 3.073" OAL

BC: .260
SD: .279

Powder	Sugg Starting Grains	Velocity fps	Pressure C.U.P.	Max Load Grains	Velocity fps	Pressure C.U.P.
Unique	12.0	1519	26,300	19.0	2025	48,200
SR-7625	13.0	1533	29,800	18.0	1876	50,100
SR-4756	13.0	1500	26,100	19.0	1911	47,800
SR-4759	16.0	1696	23,500	23.0	2153	40,400
AA-1680	20.5	1753	22,500	28.5	2160	35,300
XMP-5744	18.0	1685	22,300	24.5	2059	33,900
IMR-4198	18.0	1675	21,600	26.0	2147	34,000
XMR-2015	30.0	2058	27,300	34.0	2254	33,500
RX7	19.0	1711	20,700	**27.0**	**2155**	**34,700**

Note: Loads shown in shaded panels are maximum.
Loads shown in bold designate potentially most accurate load.
+ Designates a compressed powder charge.
**Designates a reduced load.