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sent to
204-132

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Ilion, New York
August 22, 1968

TO: W. E. LEEK

FROM: A. A. HUGICK G. G. N.

my 700 ~~adviser~~
adv

350 Rem. Mag. & 6.5mm Rem. Mag. Muzzle Velocity Data

Per request, muzzle velocity of the 350 Rem. Mag. and 6.5mm Rem. Mag. were compared in the Model 600, Model 660, and Model 700. Ammunition selected for this test is the Remington specification accuracy test ammo bullet weight.

The attached data sheet lists the instrumental muzzle velocity test results obtained.

The published (^{REM.}catalogue) muzzle velocities are:

350 Rem mag: 2710
6.5 mm - 3030

AAH:c
Attach.

350 Mag. & 6.5mm Mag. Velocity Data
M/600, M/660, M/700 Instrument Muzzle Velocity

Rem. 350 Rem. Mag.
 200 Gr. P.S.P. - Lot No. D19T

Muzzle Velocity	Model 600 S.N. 26177	Model 660 S.N. 119919	Model 700 S.N. 350753
Ave.	2576	2623	2669
Max.	2587	2647	2694
Min.	2562	2595	2653
E.V.	25	52	41
S.D.	7.8	18.0	11.9
Bbl. Length	18-1/2 inches	20 inches	24 inches

Rem. 6.5mm Rem. Mag.
 120 Gr. P.S.P. - Lot No. G14L

Muzzle Velocity	Model 600 S.N. 604	Model 660 S.N. 120468	Model 700 S.N. 350751
Ave.	2774	2840	3001
Max.	2874	2894	3048
Min.	2678	2761	2905
E.V.	186	133	143
S.D.	70.6	41.4	41.5
Bbl. Length	18-1/2 inches	20 inches	24 inches

Muzzle Velocity Comparison
M/600, 660, & 700 - 350 & 6.5 Rem. Mag.

350 Rem. Mag. D19T
Rem. 200 Gr. P.S.P.

M/600 - S.N. 26177			M/660 - S.N. 119919			M/700 - S.N. 350753		
Shot	Time	Velocity	Shot	Time	Velocity	Shot	Time	Velocity
1	7731	2587	1	7603	2631	1	7523	2659
2	7806	2562	2	7641	2617	2	7539	2653
3	7738	2585	3	7560	2646	3	7537	2654
4	7777	2572	4	7630	2621	4	7424	2694
5	7777	2572	5	7680	2604	5	7498	2667
6	7749	2581	6	7708	2595	6	7492	2670
7	7734	2586	7	7556	2647	7	7528	2657
8	7769	2574	8	7563	2644	8	7461	2681
9	7773	2573	9	7618	2625	9	7500	2667
10	7781	2570	10	7685	2602	10	7429	2692
Ave.		2576			2623			2669

6.5 Rem. Mag. G14L
Rem. 120 Gr. P.S.P.

M/600 - S.N. 604			M/660 - S.N. 120468			M/700 - S.N. 250751		
Shot	Time	Velocity	Shot	Time	Velocity	Shot	Time	Velocity
1	7361	2717	1	7145	2799	1	6604	3028
2	7469	2678	2	7011	2853	2	6595	3033
3	7080	2825	3	7232	2765	3	6677	2995
4	6958	2874	4	7245	2761	4	6561	3048
5	7018	2850	5	6910	2894	5	6563	3047
6	7320	2732	6	6973	2868	6	6718	2977
7	7389	2707	7	6936	2884	7	6627	3018
8	6993	2860	8	7081	2824	8	6884	2905
9	7273	2750	9	6998	2858	9	6691	2989
10	7036	2843	10	6914	2893	10	6732	2971
Ave.		2774			2840			3001