PRELIMINARY MEASUREMENTS - BOLT ACTION RIFLES. PAGE SHEET NO. 2

COMPETITIVE EVALUATION

C.J. Sweet
MARCH 15, 1981

Gun No.		Headspace	Headspace after Proof	Firing Pin Indent (Avg of 3)	Trigger Pull (Avg of 3)	Safe ON	Safe OFF	Weight	Length	Center of Gravity *	Bolt OPEN Force Start	Bolt OPEN Force Cont	Bore Avg of Grooves	Groove Avg of Grooves	Twist	Safety Check
	Remington - M/700															
11	30-06 cal. ADL	MIN + .002"	MIN + .002"	.0267	8.75 lbs	5.3 lb	7.7 lbs	7 lbs 2 oz	42 in.	1.2" rear	11 lbs	6 lb.	.3001"	.3087"	—	OK
12	30-06 cal. ADL	MIN + .003"	MIN + .003"	.025"	4.00 lbs	5.6 lbs	5.9 lbs	6 lbs 14 oz.	42 in.	1.6" rear	13 lbs	6 lbs	—	—	—	OK
13	30-06 cal. BDL	MIN + .003"	MIN + .003"	.0215"	4.00 lbs.	5.1 lbs	5.0 lbs	7 lbs 2 oz.	42 1/8 in.	1.2" rear	10 lbs	4 lbs	—	—	—	OK
14	243 cal. BDL VAR	MIN + .002"	MIN + .002"	.024"	4.00 lbs.	5.3 lbs	5.9 lbs	8 lbs 4 oz	42 in.	1.4" rear	10 lbs	5 lbs	.3372"	.2431"	1 x 7 1/2"	OK
15	7MM MAG. Cal. BDL	MIN + .002"	MIN + .002"	.025"	4.25 lbs.	5.1 lbs	7.0 lbs	7 lbs 14 oz	44 3/8 in.	0.9" rear	11 lbs.	5 lbs	.2773"	.2843"	1 x 9"	OK
	X	MIN + .002"	MIN + .002"	.024"	4.00 lbs	5.3	6.4	7 lbs 8 oz	42.5 in	1.4" rear	11 lbs	5 lbs				
	Browning - BBR															
21	30-06 cal. BBR (4 Groove)	MIN + .002"	MIN + .002"	.0251"	5.50 lbs.	5.0 lbs	3.5 lbs	7 lbs. 4 oz.	44 1/4 in.	1.4" rear	12 lbs	11 lbs	—	—	—	OK
22	30-06 cal. BBR (4 Groove)	MIN + .001"	MIN + .001"	.0231"	6.00 lbs.	2.5 lbs	4.6 lbs	8 lbs 2 oz.	44 1/2 in.	1.4" rear	13 lbs	11 lbs	—	—	—	OK
23	30-06 cal. BBR (4 Groove)	MIN + .002"	MIN + .002"	.024"	6.00 lbs.	3.0 lbs	4.2 lbs	7 lbs. 11 oz.	44 1/4 in.	1.1" rear	12 lbs	7 lbs.	—	—	—	OK
24	25-06 cal. BBR	MIN + .002"	MIN + .002"	.0231"	6.00 lbs.	3.4 lbs	4.5 lbs	8 lbs. 2 oz.	44 1/2 in.	1.2" rear	15 lbs	10 lbs	.2508"	.2576"	1 x 10"	OK
25	7MM MAG. Cal BBR (4 Groove)	MIN + .001"	MIN + .002"	.025"	4.00 lbs.	1.7 lbs	6.2 lbs	8 lbs. 0 oz.	44 1/2 in.	1.2" rear	13 lbs	7 lbs.	.2783"	.2848"	1 x 9 3/4"	OK
	X	MIN + .0016"	MIN + .002"	.024"	5.5 lbs.	3.1 lbs	5.1 lbs	8 lbs. 6 oz	44 3/8 in.	1.3" rear	13 lbs	8 lbs				
	Winchester - 70 XTR															
31	30-06 cal. (4 Groove)	MIN + .002"	MIN + .002"	.023"	6.5 lbs.	5.5 lbs	5.5 lbs.	7 lbs 4 oz.	43 in.	1.3" rear	8 lbs.	5 lb.	—	—	—	OK
32	30-06 cal (4 Groove)	MIN + .005"	MIN + .005"	.023"	5.50 lbs.	7.2 lbs.	2.5 lbs.	7 lbs 5 oz.	42 1/2 in.	1.3" rear	8 lbs.	5 lbs	—	—	—	OK
33	30-06 cal. (4 Groove)	MIN + .003"	MIN + .003"	.021"	6.00 lbs.	4.5 lbs	1.5 lbs	7 lbs. 12 oz.	42 1/2 in.	1.6" rear	8 lbs	5 lbs	—	—	—	OK
34	243 cal. VAR (6 Groove)	MIN + .004"	MIN + .004"	.0175"	7.50 lbs.	7.5 lbs	2.0 lbs.	9 lbs. 3 oz.	44 3/4 in.	1.3" fwd.	6 lbs	5 lbs	.2378"	.2439"	1 x 10"	OK
35	7MM. Mag. Cal (6 Groove)	MIN + .003"	MIN + .003"	.023"	6.00 lbs.	5.6 lbs	1.8 lbs	7 lbs. 6 oz.	43 in.	1.4" rear	8 lbs	6 lbs	.2228"	.2848"	1 x 9 3/8"	OK
	X	MIN + .003"	MIN + .003"	.0215"	6.0 lbs	6.1 lbs	1.9 lbs	7 lbs 6 oz.	43 in.	0.84 rear	7.6 lbs	5.2 lbs				
	Smith & Wesson - M/1500															
41	30-06 cal (4 Groove)	MIN + .002"	MIN + .002"	.0265"	4.25 lbs.	3.0 lbs.	3.0 lbs	7 lbs. 1 oz.	42 1/4 in.	2.0" rear	13 lbs.	5 lb	—	—	—	OK
42	30-06 cal. (4 Groove)	MIN + .003"	MIN + .003"	.025"	4.25 lbs.	3.5 lbs	3.2 lbs	7 lbs. 4 oz.	42 1/4 in.	1.2" rear	14 lbs.	4 lbs	—	—	—	OK
43	30-06 cal. (4 Groove)	MIN + .002"	MIN + .002"	.025"	4.50 lbs.	3.0 lb	2.7 lbs	7 lbs. 4 oz.	42 1/4 in.	1.9" rear	13 lbs.	5 lbs	—	—	—	OK
44	243 cal. (4 Groove)	MIN + .003"	MIN + .003"	.026"	4.50 lbs.	2.8 lbs	2.8 lbs	7 lbs. 10 oz.	41 3/4 in.	1.8" rear	17 lbs	5 lbs	Air Gun	Unmill abl	N/E	OK
45	7MM MAG (Cal. 4 Groove)	MIN + .002"	MIN + .002"	.026"	3.50 lbs.	3.5 lbs	2.5 lbs	7 lbs. 10 oz.	41 1/2 in.	1.0" rear	14 lbs	5 lbs	.2766	.2846"	1 x 9"	OK
	X	MIN + .002"	MIN + .002"	.026	4.2 lbs.	3.1 lbs	2.9 lbs	7 lbs. 9 oz.	42.6 in	1.6" rear	15 lbs	5.8 lb				
	Ruger - M/77															
51	30-06 cal.	MIN + .002"	MIN + .002"	.0265"	4.0 lbs	2.8 lbs	3.2 lbs	7 lbs 7 oz.	42 1/2 in.	2.5" rear	12 lbs.	7 lbs.	.3012"	.3082"	—	OK
52	30-06 cal. 77ST	MIN + .002"	MIN + .002"	.026"	4.00 lbs.	3.0 lbs	3.4 lbs	7 lbs 5 oz.	42 1/2 in.	2.5" rear	14 lbs	6 lbs	—	—	—	OK
53	30-06 cal. 77R	MIN + .002"	MIN + .003"	.0265"	5.00 lbs.	3.0 lbs	2.5 lbs	7 lbs 6 oz	42 1/2 in	2.5" rear	12 lbs	5 lbs	—	—	—	OK
54	243 cal. VAR. 77V	MIN + .004"	MIN + .004"	.0265"	4.00 lbs	3.0 lbs	2.5 lbs	9 lbs. 2 oz	42 1/2 in	2.0" rear	12 lbs	5 lbs	.2375"	.2431"	1 x 9 3/4"	OK
55	7MM MAG.	MIN + .001"	MIN + .001"	.0265"	4.00 lbs	3.0 lbs	2.5 lbs	7 lbs. 0 oz.	41 1/2 in.	2.0" rear	14 lbs	7 lbs	.2788"	.2851"	1 x 9 3/4"	OK
	X	MIN + .002"	MIN + .002"	.0265"	4.0 lbs	3.1 lbs	2.8 lbs	7 lbs. 4 oz.	42.9 in	1.7" rear	13 lbs	6 lbs				

* Measured from front of Receiver

R2511518

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON