

M / 710 MAGNUM TRIAL & PILOT TEST				
CAL. 300 WIN MAG				
PROJECT # 214314				
TLW # 1303				
DEPTH FRONT TAKE DOWN SCREW HOLE				
USED DEPTH MIC				
RIFLE #	DEPTH		RIFLE #	DEPTH
A1	1.534		A31	1.537
A2	1.533		A32	1.541
A3	1.534		A33	1.527
A4	1.532		A34	1.525
A5	1.534		A35	1.539
A6	1.536		A36	1.538
A7	1.535		A37	1.539
A8	1.537		A38	1.542
A9	1.529		A39	1.537
A10	1.535		A40	1.537
A11	1.533		A41	1.54
A12	1.535		A42	1.553
A13	1.532		A43	1.537
A14	1.532		A44	1.543
A15	1.534		A45	1.535
A16	1.534		A46	1.535
A17	1.536		A47	1.538
A18	1.533		A48	1.536
A19	1.534		A49	1.534
A20	1.543		A50	1.536
A21	1.533		A51	1.533
A22	1.533		A52	1.538
A23	1.533		A53	1.536
A24	1.537		A54	1.535
A25	1.535		A55	1.534
A26	1.538		A56	1.537
A27	1.538		A57	1.537
A28	1.537		A58	1.536
A29	1.537		A59	1.538
A30	1.538		A60	1.534

M / 710 MAGNUM TRIAL & PILOT TEST							
CAL .300 WIN MAG							
PROJECT # 241314							
TLW # 1303							
HEADSPACE / PROOF / HEADSPACE A1 thru A60 / BOB LEE							
HEADSPACE				HEADSPACE			
	BEFORE	PROOF	AFTER		BEFORE	PROOF	AFTER
A1	0.004	OK	0.004	A31	0.004	OK	0.004
A2	0.002	OK	0.002	A32	0.004	OK	0.005
A3	0.003	OK	0.004	A33	0.003	OK	0.004
A4	0.002	tight open	0.002	A34	0.004	OK	0.004
A5	0.002	OK	0.002	A35	0.003	OK	0.003
A6	0.002	tight open	0.002	A36	0.003	OK	0.004
A7	0.002	tight open	0.002	A37	0.003	tight open	0.003
A8	0.004	tight open	0.004	A38	0.005	OK	0.006
A9	0.004	OK	0.004	A39	0.002	OK	0.003
A10	MIN	OK	0.001	A40	0.003	OK	0.003
A11	0.002	OK	0.002	A41	0.004	OK	0.004
A12	0.004	OK	0.004	A42	0.003	tight open	0.004
A13	0.004	OK	0.004	A43	0.004	OK	0.004
A14	0.005	OK	0.005	A44	0.003	OK	0.003
A15	0.004	OK	0.004	A45	0.003	OK	0.004
A16	0.005	OK	0.005	A46	0.003	OK	0.003
A17	0.006	OK	0.006	A47	0.003	OK	0.003
A18	0.005	OK	0.005	A48	0.005	tight open	0.005
A19	0.005	tight open	0.005	A49	0.005	OK	0.006
A20	0.005	OK	0.005	A50	0.001	OK	0.002
A21	0.005	OK	0.005	A51	0.003	OK	0.004
A22	0.005	OK	0.005	A52	0.004	tight open	0.004
A23	0.005	tight open	0.005	A53	0.001	OK	0.001
A24	0.002	OK	0.003	A54	0.004	OK	0.004
A25	0.002	OK	0.003	A55	0.003	OK	0.003
A26	0.002	OK	0.002	A56	0.003	OK	0.004
A27	0.004	OK	0.004	A57	0.003	OK	0.004
A28	0.003	OK	0.003	A58	0.004	OK	0.005
A29	0.003	OK	0.004	A59	0.004	OK	0.005
A30	0.003	OK	0.003	A60	0.003	tight open	0.004

Subject to Protective Order - Williams v. Remington

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M / 71 MAGNUM TRIAL & PILOT TEST					
CAL. .300 WIN MAG					
PROJECT # 241314					
TLW # 1303					
SCOPE CROSS BOLT SCREWS (DE-TORQUE) A1 thru A60 / JOHN SIMS					
RIFLE #	FRONT	REAR		RIFLE #	FRONT REAR
A1	25 in lbs.	25 in lbs.		A31	ACCURACY GUNS
A2	25 in lbs.	20 in lbs.		A32	ACCURACY GUNS
A3	25 in lbs.	30 in lbs.		A33	ACCURACY GUNS
A4	30 in lbs.	30 in lbs.		A34	ACCURACY GUNS
A5	35 in lbs.	30 in lbs.		A35	ACCURACY GUNS
A6	20 in lbs.	25 in lbs.		A36	ACCURACY GUNS
A7	30 in lbs.	32 in lbs.		A37	ACCURACY GUNS
A8	25 in lbs.	20 in lbs.		A38	ACCURACY GUNS
A9	15 in lbs.	27 in lbs.		A39	ACCURACY GUNS
A10	30 in lbs.	30 in lbs.		A40	ACCURACY GUNS
A11	27 in lbs.	25 in lbs.		A41	25 in lbs. 25 in lbs
A12	32 in lbs.	30 in lbs.		A42	40 in lbs. 35 in lbs.
A13	25 in lbs.	25 in lbs.		A43	32 in lbs. 25 in lbs
A14	25 in lbs.	30 in lbs.		A44	40 in lbs. 40 in lbs.
A15	27 in lbs.	25 in lbs.		A45	30 in lbs. 30 in lbs.
A16	17 in lbs.	25 in lbs.		A46	40 in lbs. 40 in lbs.
A17	20 in lbs.	15 in lbs.		A47	30 in lbs. 20 in lbs.
A18	30 in lbs.	32 in lbs.		A48	35 in lbs. 35 in lbs.
A19	30 in lbs.	32 in lbs.		A49	30 in lbs. 30 in lbs.
A20	25 in lbs.	25 in lbs.		A50	30 in lbs. 30 in lbs.
A21	25 in lbs.	30 in lbs.		A51	25 in lbs. 30 in lbs.
A22	25 in lbs.	25 in lbs.		A52	25 in lbs. 30 in lbs.
A23	30 in lbs.	30 in lbs.		A53	37 in lbs. 32 in lbs.
A24	35 in lbs.	30 in lbs.		A54	50 in lbs. 35 in lbs.
A25	25 in lbs.	20 in lbs.		A55	25 in lbs. 30 in lbs.
A26	40 in lbs.	30 in lbs.		A56	30 in lbs. 25 in lbs
A27	35 in lbs.	30 in lbs.		A57	25 in lbs. 30 in lbs.
A28	35 in lbs.	35 in lbs.		A58	35 in lbs. 40 in lbs.
A29	30 in lbs.	40 in lbs.		A59	20 in lbs. 25 in lbs
A30	40 in lbs.	40 in lbs.		A60	35 in lbs. 25 in lbs

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M / 710 MAGNUM TRIAL & PILOT TEST				
CAL. 300 WIN MAG				
PROJECT # 214314				
TLW # 1303				
DEPTH FRONT TAKE DOWN SCREW HOLE / JODY CARSON - BOB LEE				
A1 thru A30 - A41 thru A50 - A56 thru A60				
RIFLE #	DEPTH		RIFLE #	DEPTH
A1	0.1351		A31	
A2	0.1374		A32	
A3	0.1377		A33	
A4	0.1377		A34	
A5	0.1375		A35	
A6	0.1379		A36	
A7	0.1399		A37	
A8	0.1382		A38	
A9	0.1358		A39	
A10	0.1389		A40	
A11	0.1370		A41	0.1365
A12	0.1365		A42	0.1370
A13	0.1367		A43	0.1375
A14	0.1365		A44	0.1380
A15	0.1365		A45	0.1345
A16	0.1365		A46	0.1350
A17	0.1350		A47	0.1370
A18	0.1335		A48	0.1370
A19	0.1350		A49	0.1365
A20	0.1365		A50	0.1375
A21	0.1345		A51	
A22	0.1350		A52	
A23	0.1360		A53	
A24	0.1365		A54	
A25	0.1390		A55	
A26	0.1380		A56	0.1350
A27	0.1375		A57	0.1365
A28	0.1380		A58	0.1370
A29	0.1365		A59	0.1350
A30	0.1385		A60	0.1365



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M / 710 MAGNUM TRIAL & PILOT TEST										
CAL. 300 WIN MAG										
PROJECT # 214314										
TLW # 1303										
SEAR ENGAGEMENT A1 thru A30 / SEAR LIFT / JOHN SIMS										
ENGAGEMENT					ENGAGEMENT					
RIFLE #	1	2	3	AVG.	RIFLE #	1	2	3	AVG.	
A1	0.026	0.0261	0.0286	0.0269	A16	0.0305	0.0312	0.0297	0.0304	
A2	0.0297	0.0289	0.0295	0.0293	A17	0.0272	0.0267	0.0284	0.0274	
A3	0.0274	0.0275	0.0278	0.0275	A18	0.0278	0.0272	0.0272	0.0274	
A4	0.0276	0.0282	0.0266	0.0274	A19	0.0286	0.0255	0.0275	0.0272	
A5	0.0318	0.0318	0.0312	0.0316	A20	0.0285	0.0278	0.0281	0.0281	
A6	0.0275	0.0268	0.0281	0.0274	A21	0.0296	0.0294	0.0294	0.0294	
A7	0.0266	0.0282	0.027	0.0272	A22	0.0283	0.0279	0.0286	0.0282	
A8	0.0312	0.0306	0.0319	0.0312	A23	0.0256	0.0256	0.0265	0.0259	
A9	0.0343	0.034	0.0341	0.0341	A24	0.0304	0.0282	0.0291	0.0292	
A10	0.0247	0.0267	0.0266	0.026	A25	0.0286	0.0286	0.0293	0.0288	
A11	0.0285	0.0282	0.0263	0.0276	A26	0.028	0.0276	0.0267	0.0274	
A12	0.0257	0.025	0.0267	0.0258	A27	0.0258	0.0262	0.0263	0.0261	
A13	0.0276	0.027	0.0274	0.0273	A28	0.0317	0.0313	0.0302	0.031	
A14	0.0295	0.0296	0.0303	0.0298	A29	0.0264	0.0269	0.0261	0.0264	
A15	0.029	0.0292	0.0291	0.0291	A30	0.0304	0.0286	0.0306	0.0298	
SEAR LIFT										
A1	0.0177	A11	0.0145	A21	0.0171					
A2	0.016	A12	0.0186	A22	0.0166					
A3	0.0162	A13	0.0142	A23	0.0178					
A4	0.0152	A14	0.017	A24	0.0178					
A5	0.0143	A15	0.0153	A25	0.0168					
A6	0.0152	A16	0.014	A26	0.0152					
A7	0.0175	A17	0.0155	A27	0.0159					
A8	0.0149	A18	0.0145	A28	0.0138					
A9	0.0162	A19	0.0148	A29	0.019					
A10	0.0163	A20	0.0112	A30	0.0154					

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M / 710 MAGNUM TRIAL & PILOT TEST CAL. 300 WIN MAG				
PROJECT # 214314				
TLW # 1303				
GUNS TOTAL WEIGHT A41 thru A50 /			JOHN SIMS	
GUNS BALANCE POINT A31 thru A40 /			JOHN SIMS	
RIFLE #	WEIGHT IN LBS.		RIFLE #	BALANCE POINT MEASUREMENT
A41	W / SCOPE	8.391	A31	19.4375"
A42	W / SCOPE	8.392	A32	19.4375"
A43	W / SCOPE	8.401	A33	19.4375"
A44	W / SCOPE	8.394	A34	19.4375"
A45	W / SCOPE	8.371	A35	19.375"
A46	W / SCOPE	8.391	A36	19.375"
A47	W / SCOPE	8.384	A37	19.375"
A48	W / SCOPE	8.392	A38	19.250"
A49	W / SCOPE	8.378	A39	19.375"
A50	W / SCOPE	8.408	A40	19.3125"

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M / 710 MAGNUM TRIAL & PILOT TEST									
CAL. 300 WIN MAG									
PROJECT # 214314									
TLW # 1303									
HARDNESS TEST GUNS / MARLIN J. - JIM URBON									
A56 thru A60 - A41 thru A50									
RIFLE #	BOLT TEST 1-2		BARREL TEST 1-2						
	1	2	1	2					
A56	46.3	46.3	23.3	24.0					
A57	46.0	45.9	23.2	23.8					
A58	41.7	41.4	24.4	23.5					
A59	41.6	41.5	24.4	24.0					
A60	44.3	44.3	23.7	22.9					
A41	41.6	41.0	23.1	21.8					
A42	40.5	41.9	21.2	22.1					
A43	44.2	44.8	22.0	20.1					
A44	44.3	45.3	22.9	22.3					
A45	40.9	41.9	21.4	22.0					
A46	43.1	42.2	21.6	22.2					
A47	45.3	45.1	21.5	22.8					
A48	42.2	42.0	23.2	22.9					
A49	45.0	45.1	23.1	23.7					
A50	42.5	43.0	21.3	22.2					

M / 710 MAGNUM TRIAL & PILOT TEST									
CAL. 300 WIN MAG									
PROJECT # 214314									
TLW # 1303									
SAFE ON / OFF FORCES A41 thru A50 / JOHN SIMS									
	SAFE ON FORCES						SAFE OFF FORCES		
RIFLE #	1	2	3	AVG.		RIFLE #	1	2	3
A41	5.480	5.435	5.345	5.420		A41	1.700	1.755	1.740
A42	4.260	4.520	4.580	4.453		A42	2.085	1.630	1.815
A43	5.155	4.955	5.285	5.132		A43	2.080	2.140	1.965
A44	5.480	5.510	5.580	5.523		A44	2.275	2.085	1.810
A45	4.890	5.290	5.405	5.195		A45	1.790	1.745	1.870
A46	6.050	5.920	6.030	6.000		A46	1.925	2.010	1.800
A47	4.715	4.965	4.620	4.767		A47	1.825	1.715	1.765
A48	5.140	5.160	5.105	5.135		A48	2.315	1.700	1.780
A49	4.075	4.130	4.220	4.142		A49	2.025	1.685	1.670
A50	4.485	4.470	4.590	4.515		A50	1.715	1.655	1.770

\$
AVG.
1.731
1.843
2.062
2.056
1.801
1.911
1.768
1.931
1.793
1.713

M / 710 MAGNUM TRIAL & PILOT TEST									
CAL. 300 WIN MAG									
PROJECT # 214314									
TLW # 1303									
BOLT LIFT FORCES / BOLT CLOSE FORCES A41 thru A 50/ JOHN SIMS									
	BOLT LIFT FORCES						BOLT CLOSE FORCES		
RIFLE #	1	2	3	AVG.		RIFLE #	1	2	3
A41	16.45	16.40	16.30	16.383		A41	13.25	13.75	13.50
A42	17.60	17.00	18.65	17.750		A42	15.00	16.30	14.50
A43	19.70	16.45	17.30	17.816		A43	14.20	13.70	14.20
A44	18.65	16.75	16.60	17.333		A44	13.60	14.10	12.50
A45	18.10	16.05	15.10	16.416		A45	13.90	14.50	14.05
A46	17.80	15.45	16.80	16.683		A46	13.15	17.85	12.95
A47	16.60	17.50	18.95	17.683		A47	14.30	13.65	12.95
A48	18.65	17.70	17.05	17.800		A48	16.20	17.85	17.95
A49	18.90	18.30	18.50	18.566		A49	11.35	14.50	12.25
A50	21.60	20.00	19.55	20.383		A50	13.75	14.75	14.25

ES
AVG.
13.500
15.266
14.033
13.400
14.150
14.650
13.633
17.333
12.700
14.250

M / 710 MAGNUM TRIAL & PILOT TEST						
CAL. 300 WIN MAG						
PROJECT # 214314						
TLW # 1303						
MAGAZINE CAPACITY TEST W/ DUMMY RDS A41 thru A50 / JOHN SIMS						
RIFLE #	COMMENTS					
A41	POOR EJECTION					
A42	POOR EJECTION					
A43	POOR EJECTION					
A44	POOR EJECTION - BOLT HARD TO CLOSE					
A45	POOR EJECTION					
A46	POOR EJECTION					
A47	POOR EJECTION					
A48	POOR EJECTION					
A49	POOR EJECTION					
A50	POOR EJECTION					

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Subject to Protective Order - Williams v. Remington

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Subject to Protective Order - Williams v. Remington

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TWIST RATE 41 THRU A50 / JOHN SIMS / B. LEE

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