
 45-406 EYE-GLASS
 45-700 20/20 BUFF

.222 CALIBER MODEL 7, MODEL 700 ADL & BOL

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RECEIVER MEASUREMENTS - BEST AND WORST PERFORMING RIFLES FROM 821321

MODEL 7

4-22-83

		1		2		3		4		5		6		FLS	
						GOOD GUNS		BAD GUNS		BAD GUNS		BAD GUNS			
		DWA DIMENSIONS				760256B		760252S		7602529		7602593			
		↓												x	
1	1	1	1.1640 - 1.670				1.710	1.710	1.715	1.673					
2	2	2	.015 - .018				.015	.017	.014	.015					
3	3	3	13° REF.L.				130	130	130	130					
4	4	4	.245 - .255				.240	.200	.230	.215					
5	5	5	1.985 - 1.995				2.005	2.010	2.020	2.015					
6	6	6	.015 - .018				.016	.017	.022	.015					
7	7	7	.755 - .765				.900	.895	.870	.900					
8	8	8	.020 R				.005 R	.005 R	.005 R	.005 R					
9	9	9	32				✓	✓	✓	✓					
10	10	10	.055 - .065				.078	.060	.060	.070					
11	11	11	30°				30°	30°	30	30°					
12	12	12													
13	13	13													
14	14	14													
15	15	15	4.415 - 4.420				4.418	4.420	4.418	4.418					
16	16	16	3/16 R TYP.				NONE	NONE	NONE	NONE					
17	17	17	.535 - .545				.546	.545	.548	.546					
18	18	18	.968 - .978				.969	.970	.970	.971					
19	19	19	.150 R TYP				.150 R	.150 R	.150 R	.150 R					
20	20	20	.072 gauge				.072	.072	.072	.072					
21	21	21	2.936 - 2.944				2.938	2.943	2.943	2.943					
22	22	22	1/8 R				1/8 R	1/8 R	1/8 R	1/8 R					
23	23	23	.030 R MAX.				.030 R	.030 R	.030 R	.025 R					
24	24	24	.835 - .845				.851	.850	.851	.849					
25	25	25													
26	26	26	37°				37°	37°	37°	37°					
27	27	27	.282 - .288				.288	.288	.289	.286					
28	28	28	.282 - .288				.288	.288	.289	.286					
29	29	29	.116 - .124				.121	.118	.118	.121					
30	30	30	.263 - .265				.265	.264	.264	.264					
31	31	31	.700 - .703				.700	.700	.700	.700					
32	32	32	.449 - .452				.451	.451	.450	.451					
33	33	33	.015 - .025				.025	.018	.020	.022					
34	34	34	30°				30°	30°	30°	30°					
35	35	35	.025 R				.005 R	.005 R	.005 R	.005 R					
36	36	36	ROUND OFF SHARP CORNERS				SHARP	SHARP	SHARP	SHARP					
37	37	37	45°				45°	45°	45°	45°					
38	38	38	.624 - .634				.630	.630	.630	.630					
39	39	39	± .004				± .002	± .001	± .005	± .003					
40	40	40	46° 18'				OK	OK	OK	OK					
41	41	41	23° 9'				OK	OK	OK	OK					

793-7384


 C.
 F. A.
 P.H.
 J.H.

STOCK	FTD	Block	SLASH	S. RIGHT	S. LOW	S. HIGH
	11	1411	1 9 2 4 4 5 3 2 9 6 4 3 5 9	1411 2 3 4 3 5 5 7 5 2 2	111 1 1	1 2
			(15) 129	(51) 49	(115)	31 12 119

RECEIVER MEASUREMENTS

821321

MODEL 700 B01

4-22-83

FLS

		1	2	3	4	5	6	
		B6358300	B6257093	B6256522	B6256211	B6256482	B6294947	
1	1	.210	.1725	.210	.1720	.210	.1720	1
2	2	.210	.210	.210	.210	.210	.210	2
3	3	.13°	.13°	.13°	.12°	.13°	.13°	3
4	4	.250	.250	.250	.250	.250	.250	4
5	5	.250	.250	.250	.250	.250	.250	5
6	6	.250	.250	.250	.250	.250	.250	6
7	7	.250	.250	.250	.250	.250	.250	7
8	8	.250	.250	.250	.250	.250	.250	8
9	9	.250	.250	.250	.250	.250	.250	9
10	10	.060	.060	.060	.060	.060	.060	10
11	11	.30°	.30°	.30°	.30°	.30°	.30°	11
12	12	.281	.281	.281	.281	.281	.281	12
13	13	.167	.167	.167	.167	.167	.168	13
14	13a	.167	.167	.167	.167	.167	.168	14
15	14	.4530	.4530	.4530	.4530	.4530	.4530	15
16		.250	.250	.250	.250	.250	.250	16
17	15	.540	.545	.545	.544	.543	.542	17
18	16	.970	.970	.975	.970	.970	.970	18
19	17	.185	.190	.190	.190	.190	.180	19
20	18	.072	.072	.072	.072	.072	.072	20
21	19	2.939	2.938	2.944	2.940	2.940	2.942	21
22	20	.185	.190	.190	.190	.190	.180	22
23	21	.250	.250	.250	.250	.250	.250	23
24	22	4.530	4.530	4.530	4.531	4.530	4.534	24
25	23	.37°	.37°	.37°	.37°	.37°	.37°	25
26	24	.283	.287	.283	.287	.287	.282	26
27	25	.283	.287	.283	.287	.287	.282	27
28	25a	.062	.061	.060	.060	.061	.061	28
29	26	.280	.280	.280	.280	.280	.280	29
30	27	.702	.702	.702	.702	.702	.702	30
31	28	.451	.450	.451	.451	.450	.449	31
32	29	.023	.025	.025	.023	.020	.015	32
33	30	.20°	.20°	.20°	.20°	.20°	.20°	33
34	31	.005	.005	.005	.005	.005	.005	34
35	32	SHARP	SHARP	SHARP	SHARP	SHARP	SHARP	35
36	33	OK	OK	OK	OK	OK	OK	36
37	34	T.001	T.006	T.001	T.006	T.003	T.002	37
38	35	-1.004	-1.000	-1.002	-1.002	-1.000	-1.004	38
39	36							39

RECEIVER MEASUREMENTS							
M 700 B71							
821321							
4-22-83							
FLS							
	DWG. DIMENSIONS	B 6359318	B 6359645	B 6257234	B 6292952	B 6256507	B 6295104
1	1 1.700 - 1.730				1.700		
2	2 .015 - .018				.015		.015
3	3 13° REF. L	13°	13°	13°	13°	13°	13°
4	4 .245 - .255		.235	.275	.280	.274	.274
5	5 2.045 - 2.055		2.060	2.080		2.084	2.065
6	6						
7	7 .695 - .705		.705	.713		.708	.708
8	8 .020 R			.025			
9	9 32						
10	10 .055 - .065	.062	.058			.058	.065
11	11 30°	30°	30°	30°	30°	30°	30°
12	12 .281 TYP	.281	.281	.281	.281	.281	.281
13	13 .163 - .173	.170	.1695	.1695	.165	.166	.170
14	14 .163 - .173	.170	.1695	.1695	.165	.166	.170
15	14 4.4075 - 4.4175			4.435	4.432		4.538
16	16						
17	15 76 R TYP						
18	16 .535 - .545	.543	.538	.545	.540	.543	.537
19	17 .968 - .978	.973	.975	.970	.968	.970	
20	18 .180 - .205 R	.200	.200	.185	.190	.190	.190
21	19 .072 gauge	.072	.072	.072	.072	.072	.072
22	20 2.936 - 2.944	2.944	2.943		2.936	2.941	2.945
23	21 .180 - .205 R	.200	.200	.185	.190	.190	.190
24	22 .835 - .845			.858		.858	.840
25	23 4.530 - 4.535		4.534	4.535	4.532	4.533	4.533
26	24 37°	37°	37°	37°	37°	37°	37°
27	25 .282 - .288	.285	.289	.283	.289	.282	.287
28	25 .282 - .288	.285	.289	.283	.289	.282	.287
29	26 .055 - .063	.061	.060	.060	.061	.062	.055
30	27 .278 - .280 R	.280	.280	.280	.280	.280	.280
31	28 .700 - .703	.700	.702	.702	.702	.702	.702
32	29 .449 - .452	.449		.449	.475	.452	.450
33	30 .015 - .025	.018		.020	.020	.025	.025
34	31 20°	20°	20°	20°	20°	20°	20°
35	32 .025 R	.020	.010	.010	.005	.005	.005
36	33 ROUND OF SHARP CORNERS	OK	SHARP	SHARP	SHARP	SHARP	SHARP
37	34 STRAIGHT & PARALLEL	OK	OK	OK	OK	OK	OK
38	35						
39	36 ± .004		+.001	+.004		-.002	+.000
40	36 ± .004	-.002	+.002	+.003	+.004	+.001	-.001

KEC EIVER MEASUREMENTS

821321

MODEL 700 BDL

4-22-82

FLS

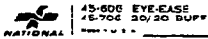
		1	2	3	4	5	6
		86256201	86256200	86293064	86256269	86256832	86256163
1	1						
2	2	.015	.015				
3	3	13°	13°	13°	13°	13°	13°
4	4						
5	5						25.080
6	6						
7	7						6820
8	8						005.14
9	9						
10	10	.060	.061				.060
11	11	30°	30°	30°	30°	30°	30°
12	12	.281	.281	.281	.281	.281	.281
13	13		.169	.166	.170	.170	
14	13a		.169	.166	.170	.170	
15	14						
16							
17	15						
18	16	.544		.540	.543	.540	
19	17	.976	.976		.978	.975	
20	18	.195	.180	.180	.180	.190	.190
21	19	.072	.072	.072	.072	.072	.072
22	20	2.943	2.942	2.938	2.940	2.940	2.944
23	21	.195	.180	.180	.180	.190	.190
24	22			.845			
25	23		4.532	4.533	4.532		4.532
26	24	37°	37°	37°	37°	37°	37°
27	25	.284	.287	.286		.288	
28	25a	.284	.287	.286		.288	
29	26	.062	.062	.061	.061	.063	.061
30	27	.280	.280	.280	.280	.280	.280
31	28	.702	.702	.702	.702	.702	.702
32	29	.451	.451	.450	.451	.450	.450
33	30	.030	.030		.030	.025	
34	31	20°	20°	20°	20°	20°	20°
35	32	.005	.005	.005	.005	.005	.005
36	33	SHARP	SHARP	SHARP	SHARP	SHARP	SHARP
37	34	OK	OK	OK	OK	OK	OK
38	35						
39	36	+ .000	+ .001	+ .000		+ .002	+ .003
40		+ .003	- .005	+ .002		- .003	- .004

MODEL 700 801

4-22-93

FLS

		1	2	3	4	5	6
		B6257240	B6257173	B6256211			
1	1	.730	[REDACTED]	[REDACTED]			1
2	2	[REDACTED]	.015	[REDACTED]			2
3	3	.13°	.13°	.13°			3
4	4	[REDACTED]	[REDACTED]	[REDACTED]			4
5	5	[REDACTED]	2.050	[REDACTED]			5
6	6	[REDACTED]	[REDACTED]	[REDACTED]			6
7	7	[REDACTED]	[REDACTED]	[REDACTED]			7
8	8	[REDACTED]	[REDACTED]	[REDACTED]			8
9	9	[REDACTED]	[REDACTED]	[REDACTED]			9
10	10	[REDACTED]	[REDACTED]	[REDACTED]			10
11	11	.30°	.30°	.30°			11
12	12	.281	.281	.281			12
13	13	.169	.170	.163			13
14	13a	.169	.170	.163			14
15	14	[REDACTED]	[REDACTED]	[REDACTED]			15
16		[REDACTED]	[REDACTED]	[REDACTED]			16
17	15	[REDACTED]	[REDACTED]	[REDACTED]			17
18	16	.545	.540	.540			18
19	17	.976	.973	.970			19
20	18	.190	.190	.190			20
21	19	.072	.072	.072			21
22	20	2.943	2.943	2.942			22
23	21	.190	.190	.190			23
24	22	[REDACTED]	[REDACTED]	[REDACTED]			24
25	23	4.533	[REDACTED]	4.530			25
26	24	.37°	.37°	.37°			26
27	25	[REDACTED]	.287	[REDACTED]			27
28	25a	[REDACTED]	.287	[REDACTED]			28
29	26	.063	.061	.061			29
30	27	.280	[REDACTED]	.280			30
31	28	.702	.702	.702			31
32	29	.450	.450	.450			32
33	30	.025	.025	[REDACTED]			33
34	31	.20°	.20°	.20°			34
35	32	[REDACTED]	[REDACTED]	[REDACTED]			35
36	33	[REDACTED]	[REDACTED]	[REDACTED]			36
37	34	OK	OK	OK			37
38	35						38
39	36	+1.002	-1.004	[REDACTED]			39
40		+1.002	[REDACTED]	[REDACTED]			40



.222 CALIBER MODEL 7, MODEL 700 ADL & BOL

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RECEIVER MEASUREMENTS - BEST AND WORST PERFORMING RIFLES FROM 821321

MODEL 7

4-22-83

FLS

	DWA. DIMENSIONS	1		2		3		4		5		6	
		GOOD GUNS		BAD GUNS		760256B		760252S		7602529		7602593	
												x	
1	1. 1.640 - 1.670	1.700		1.700		1.700		1.700		1.700		1.700	
2	2 .015 - .018	.015		.017		.015		.017		.015		.015	
3	3 13° REF. L.	13°		13°		13°		13°		13°		13°	
4	4 .245 - .255	.240		.250		.240		.250		.240		.250	
5	5 1.985 - 1.995	2.000		2.000		2.000		2.000		2.000		2.000	
6	6 .015 - .018	.016		.017		.016		.017		.016		.015	
7	7 .755 - .765	.760		.760		.760		.760		.760		.760	
8	8 .020 R	.020		.020		.020		.020		.020		.020	
9	9 32	32		32		32		32		32		32	
10	10 .055 - .065	.060		.060		.060		.060		.060		.060	
11	11 30°	30°		30°		30°		30°		30°		30°	
12													
13	12												
14	13												
15	14 4.415 - 4.420	4.418		4.420		4.418		4.420		4.418		4.418	
16	15 3/16 R TYP.	3/16 R		3/16 R		3/16 R		3/16 R		3/16 R		3/16 R	
17	16 .535 - .545	.546		.545		.546		.545		.546		.546	
18	17 .968 - .978	.969		.970		.969		.970		.969		.971	
19	18 .150 R TYP	.150 R		.150 R		.150 R		.150 R		.150 R		.150 R	
20	19 .072 gauge	.072		.072		.072		.072		.072		.072	
21	20 2.936 - 2.944	2.938		2.943		2.938		2.943		2.938		2.943	
22	21 1/8 R	1/8 R		1/8 R		1/8 R		1/8 R		1/8 R		1/8 R	
23	22 .030 R MAX.	.030 R		.030 R		.030 R		.030 R		.030 R		.025 R	
24	23 .835 - .845	.851		.850		.851		.850		.851		.849	
25	24												
26	25 37°	37°		37°		37°		37°		37°		37°	
27	26 .282 - .288	.288		.288		.288		.288		.288		.286	
28	27 .282 - .288	.288		.288		.288		.288		.288		.286	
29	28 .116 - .124	.121		.118		.121		.118		.121		.121	
30	29 .263 - .265	.265		.264		.265		.264		.265		.264	
31	30 .700 - .703	.700		.700		.700		.700		.700		.700	
32	31 .449 - .452	.451		.451		.451		.451		.450		.451	
33	32 .015 - .025	.025		.018		.025		.018		.020		.022	
34	33 30°	30°		30°		30°		30°		30°		30°	
35	34 .025 R	.025 R		.025 R		.025 R		.025 R		.025 R		.025 R	
36	35 ROUND OFF SHARP CORNERS	SHARP		SHARP		SHARP		SHARP		SHARP		SHARP	
37	36 45°	45°		45°		45°		45°		45°		45°	
38	37 .624 - .634	.630		.630		.630		.630		.630		.630	
39	38 ± .004	+ .002		- .001		+ .002		- .001		+ .001		+ .002	
40	39 46° 18'	OK		OK		OK		OK		OK		OK	
41	40 77° 01'	OK		OK		OK		OK		OK		OK	

RECEIVER MEASUREMENTS

621321

MODEL 700 B01

4-22-83

FLS

		1	2	3	4	5	6	
		B6358300	B6257093	B6256522	B6256211	B6256482	B6294947	
1	1	.810	.725	.770	.720	.790	.720	1
2	2	.013	.014	.014	.014	.013	.013	2
3	3	13°	13°	13°	13°	13°	13°	3
4	4	.250	.350	.305	.360	.305	.350	4
5	5	2.060	2.075	2.075	2.080	2.095	2.070	5
6	6							6
7	7	.805	.828	.840	.840	.815	.830	7
8	8	.005	.005	.005	.005	.005	.005	8
9	9	.63	.63	.63	.63	.63	.63	9
10	10	.060	.080	.074	.072	.060	.080	10
11	11	30°	30°	30°	30°	30°	30°	11
12	12	.281	.281	.281	.281	.281	.281	12
13	13	.167	.167	.167	.162	.167	.168	13
14	13a	.167	.167	.167	.162	.167	.168	14
15	14	4.530	4.529	4.530	4.531	4.530	4.534	15
16								16
17	15	NONE	NONE	NONE	NONE	NONE	NONE	17
18	16	.540	.545	.545	.544	.543	.542	18
19	17	.970	.970	.975	.970	.960	.970	19
20	18	.185	.190	.190	.190	.190	.180	20
21	19	.072	.072	.072	.072	.072	.072	21
22	20	2.939	2.938	2.944	2.940	2.946	2.942	22
23	21	.185	.190	.190	.190	.190	.180	23
24	22	.855	.855	.847	.850	.850	.848	24
25	23	4.530	4.529	4.530	4.531	4.530	4.534	25
26	24	37°	37°	37°	37°	37°	37°	26
27	25	.283	.287	.293	.293	.287	.282	27
28	26a	.283	.287	.293	.293	.287	.282	28
29	26	.062	.061	.060	.060	.061	.061	29
30	27	.280	.280	.280	.280	.280	.280	30
31	28	.702	.702	.702	.702	.702	.702	31
32	29	.451	.450	.451	.451	.450	.449	32
33	30	.023	.025	.025	.033	.020	.015	33
34	31	20°	20°	20°	20°	20°	20°	34
35	32	.005	.005	.005	.005	.005	.005	35
36	33	SHARP	SHARP	SHARP	SHARP	SHARP	SHARP	36
37	34	OK	OK	OK	OK	OK	OK	37
38	35							38
39	36	+1.001	+1.006	+1.001	+1.006	+1.003	+1.002	39
40		-1.004	+1.000	-1.002	-1.019	-1.000	-1.004	40

RECEIVER MEASUREMENTS

821321

M 700

BDI

4-22-83

FLC

		1	2	3	4	5	6
	DWG DIMENSIONS	B 6359318	B 6359645	B 6257234	B 6292952	B 6256507	B 6295104
	↓						
1	1 1.700 - 1.730	1.770	1.870	1.800	1.700	1.800	1.755
2	2 .015 - .018	.014	.014	.012	.015	.014	.015
3	3 13° REF. L	13°	13°	13°	13°	13°	13°
4	4 .245 - .255	.260	.235	.275	.380	.274	.310
5	5 2.045 - 2.055	2.080	2.067	2.080	2.095	2.084	2.065
6	6						
7	7 .695 - .705	.790	.785	.785	.790	.800	.780
8	8 .020 R	.010	.010	.005	.005	.005	.005
9	9 32	43	43	43	43	43	43
10	10 .055 - .065	.062	.058	.072	.085	.058	.065
11	11 30°	30°	30°	30°	30°	30°	30°
12	12 .281 TYP	.281	.281	.281	.281	.281	.281
13	13 .163 - .173	.170	.1695	.1695	.165	.166	.170
14	13a .163 - .173	.170	.1695	.1695	.165	.166	.170
15	14 4.4075 - 4.4175	4.539	4.534	4.535	4.532	4.533	4.533
16	16						
17	15 7/16 R TYP	NONE	NONE	NONE	NONE	NONE	NONE
18	16 .535 - .545	.543	.533	.545	.540	.543	.537
19	17 .968 - .978	.973	.975	.970	.968	.970	.967
20	18 .180 - .205 R	.200	.200	.185	.190	.190	.190
21	19 .072 gauge	.072	.072	.072	.072	.072	.072
22	20 2.936 - 2.944	2.944	2.943	2.948	2.936	2.941	2.945
23	21 .180 - .205 R	.200	.200	.185	.190	.190	.190
24	22 .835 - .845	.850	.848	.858	.847	.850	.840
25	23 4.530 - 4.535	4.539	4.534	4.535	4.532	4.533	4.533
26	24 37°	36°	36°	36°	36.5°	37°	37°
27	25 .282 - .288	.285	.289	.283	.289	.282	.287
28	25a .282 - .288	.285	.289	.283	.289	.282	.287
29	26 .055 - .063	.061	.060	.060	.061	.062	.055
30	27 .278 - .280 R	.280	.280	.280	.280	.280	.280
31	28 .700 - .703	.700	.702	.702	.702	.702	.702
32	29 .449 - .452	.449	.450	.451	.445	.452	.450
33	30 .015 - .025	.018	.030	.030	.020	.025	.025
34	31 20°	20°	20°	20°	20°	20°	20°
35	32 .025 R	.020	.010	.010	.005	.005	.005
36	33 ROUND OF SHARP EDGES	OK	SHARP	SHARP	SHARP	SHARP	SHARP
37	34 STRAIGHT & PARALLEL	OK	OK	OK	OK	OK	OK
38	35						
39	36 ± .004	-.007	+.001	+.004	-.010	-.002	+.000
40	36 ± .004	-.002	-.007	+.003	+.004	+.001	-.001

222 CALIBER MODEL 7, MODEL 700 A.D.L. & B.D.L.

(3)

RECEIVER MEASUREMENTS - BEST AND WORST PERFORMING RIFLES FROM 821321

MODEL 700 B.D.L.

4-22-83

		1	2	3	4	5	6	FLS
				GOOD		BAD		
				B6294940	B6292053	B6361428	B6257066	
1	1			1.720	1.660	1.785	1.725	1
2	2			101H	.015	.015	.015	2
3	3			13°	13°	13°	13°	3
4	4			.350	.430	.305	.345	4
5	5			2.070	2.090	2.090	2.070	5
6	6							6
7	7			.820	.840	.790	.835	7
8	8			.005	.005	.005	.005	8
9	9			.63	.63	.63	.63	9
10	10			.080	.090	.063	.072	10
11	11			30°	30°	30°	30°	11
12	12			.281	.281	.281	.281	12
13	13			.169	.163	.169	.167	13
14	13a			.169	.163	.169	.167	14
15	14			4.535	4.530	4.536	4.534	15
16								16
17	15			NONE	NONE	NONE	NONE	17
18	16			.540	.539	.540	.543	18
19	17			.970	.967	.968	.974	19
20	18			.190	.180	.185	.190	20
21	19			.072	.072	.072	.072	21
22	20			2.948	2.937	2.944	2.940	22
23	21			.190	.180	.185	.190	23
24	22			.852	.845	.855	.854	24
25	23			4.535	4.530	4.536	4.534	25
26	24			37°	37°	37°	37°	26
27	25			.276	.276	.294	.289	27
28	25a			.276	.276	.294	.289	28
29	26			.061	.061	.061	.061	29
30	27			.280	.280	.280	.280	30
31	28			.702	.702	.702	.702	31
32	29			.444	.451	.450	.448	32
33	30			.010	.005	.020	.023	33
34	31			20°	20°	20°	20°	34
35	32			.005	.005	.005	.005	35
36	33			SHARP	SHARP	SHARP	SHARP	36
37	34			OK	OK	OK	OK	37
38	35							38
39	36			-.007	-.004	+.001	-.002	39
40				+.008	-.003	-.001	-.002	40