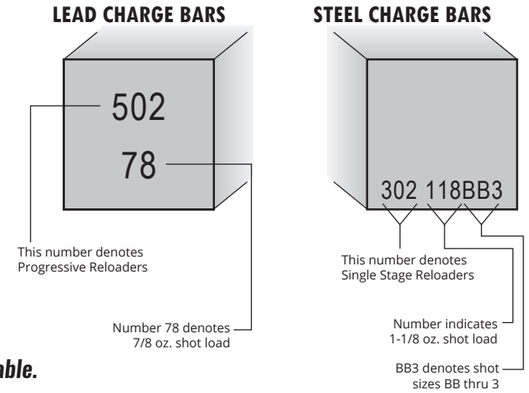
CHARGE BARS

Bars bored for powder bushings are designated 502 series for progressive tools and 302 series for single stage tools. The number below either series indicates the amount of shot the bar will dispense. Example: A 302-118 is single stage charge bar and will drop 1-1/8 oz. of shot. POWDER HOLES ONLY are bored to accept bushings. It is mandatory that your order for bars includes both the series number and weight of the shot charge. Powder bushings are selected by number from the bushing chart (see inside spread).



CAUTION: Lead Shot Bars and Steel Shot Bars are NOT interchangeable.

POWDER BUSHINGS ARE AVAILABLE FOR THE FOLLOWING CHARGE BARS

PROGRESSIVE STEEL SHOT BARS AVAILABLE

50207814	7/8 oz.	#1 thru #4 Shot
50207856	7/8 oz.	#5 thru #6 Shot
502100BB2	1 oz.	BB thru #2 Shot
50210036	1 oz.	#3 thru #6 Shot
502118BB3	1 1/8 oz.	BB thru #3 Shot
50211846	1 1/8 oz.	#4 thru #6 Shot
502114BB2	1 1/4 oz.	BB thru #2 Shot
50211436	1 1/4 oz.	#3 thru #6 Shot

Contact the factory for information regarding steel shot conversion for the hydraulic presses. Both 302 and 502 charge bars have a soft insert to prevent the shearing of shot. With this insert it is no longer necessary to use a grommet under the shot bottle. If the insert ever requires replacing, it is Part #8440.

MISCELLANEOUS LEAD SHOT BARS AVAILABLE

Bar Number	Oz. Shot	Bar Number	Oz. Shot
214	2 1/4	114	1 1/4
200	2	1316	13/16
178	1 7/8	118	1 1/8
134	1 3/4	100	1
158	1 5/8	78	7/8
112	1 1/2	34	3/4
138	1 3/8	1116	11/16
		58	5/8
		12	1/2

SINGLE STAGE STEEL SHOT BARS AVAILABLE

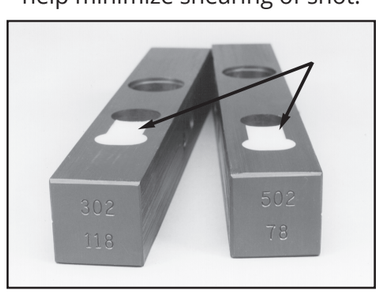
30207814	7/8 oz.	#1 thru #4 Shot
30207856	7/8 oz.	#5 thru #6 Shot
302100BB2	1 oz.	BB thru #2 Shot
30210036	1 oz.	#3 thru #6 Shot
302118BB3	1 1/8 oz.	BB thru #3 Shot
30211846	1 1/8 oz.	#4 thru #6 Shot
302114BB2	1 1/4 oz.	BB thru #2 Shot
30211436	1 1/4 oz.	#3 thru #6 Shot
302138BB2	1 3/8 oz.	BB thru #2 Shot
30213836	1 3/8 oz.	#3 thru #6 Shot
302112BB2	1 1/2 oz.	BB thru #2 Shot
30211236	1 1/2 oz.	#3 thru #6 Shot

SKEET SPECIAL

Single Stage Bar No.	Oz.	Progressive Bar No.	Oz.	Shell Size
302118SS	1 1/8	502118SS	1 1/8	12GA
30278SS	7/8	50278SS	7/8	20GA
30234SS	3/4	50234SS	3/4	28GA
30212SS	1/2	50212SS	1/2	410GA

Note To Skeet Shooters
When using soft #9 shot with our standard bar, it is possible that your charge weight will exceed that which is allowed by the NSSA. By using our "SKEET SPECIAL" charge bar, you will stay within the limits set by the NSSA.

MEC charge bars with soft inserts help minimize shearing of shot.



CHILLED SHOT CONVERSION TABLE

Weight Ounces		1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8
Weight Grains		219	273	328	383	438	492	547	602	656	711	766	820	875	930
Loads per Lb.		32	26	21	18	16	14	13	12	11	10	9	9	8	8
Size	Dia. In.	Approximate No. of Pellets per load (lead shot only)													
BB	.18	25	21	38	44	50	56	63	69	75	81	88	94	100	106
2	.15	44	55	66	77	88	99	110	121	132	143	154	165	176	187
4	.13	68	85	102	119	136	153	170	187	204	221	238	255	272	289
5	.12	86	108	129	151	172	194	215	237	258	280	301	323	344	366
6	.11	112	139	167	195	223	251	279	307	335	362	390	418	446	474
7	.10	150	187	224	262	299	336	374	411	449	486	523	561	598	635
7 1/2	.095	173	216	259	302	345	388	431	474	518	561	604	647	690	733
8	.09	205	256	301	358	409	460	511	562	614	665	716	767	818	869
8 1/2	.085	240	300	360	420	480	540	600	660	720	780	840	900	960	1020
9	.08	293	366	439	512	585	658	731	804	878	951	1024	1097	1170	1243

An Employee Owned Company
800 Horicon Street Suite 1 • Mayville, WI 53050 • 1.800.797.4632
Website: www.mecoutdoors.com • E-mail: reloadersales@mecoutdoors.com

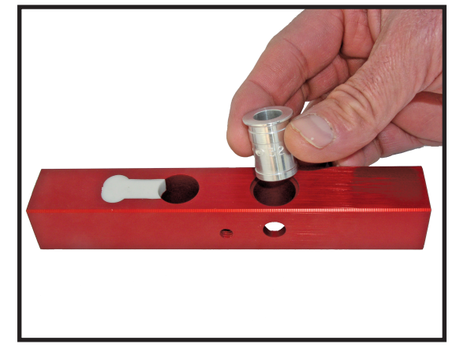
FORM NO. 8257 REV 12 (11/19)

© 2020 Mayville Engineering Company, Inc. All Rights Reserved.

Printed in U.S.A.

POWDER BUSHING CHART

and Charge Bar Selection Information



This brochure is meant to supply you with the information needed to select the right bar and bushing insert to safely load the shotshell of your choice.

The MEC charge bar determines the amount of shot that will be dropped and the MEC bushing determines the amount of powder. The ratio for powder is determined by the recipe you select and the brand name powder you wish to use.

WARNING!

The use of an accurate scale is strongly recommended with the use of this powder bushing chart. Many things can cause a variation from the weight listed on the chart. They include but are not limited to:

- Powder density. The manufacturers tolerance can cause a slight variation from the weight shown on the chart, and may even vary from lot to lot.
- Individual operators give varying amounts of vibration to the machine causing the powder to pack. All loads should be checked during the actual reloading cycle. Do not just throw a powder charge and expect it to be the same as during the reloading cycle. Even the amount of powder in the reloader's bottle may cause a slight variance.
- Powder exposed to the atmosphere can pick up moisture and weight heavy.
- The larger the flake size, the lighter the charge tends to be.
- A machine that is not solidly mounted will usually not throw charges as uniform as one that is.
- Single stage machines will usually throw heavier charges than progressive reloading machines.

The bushing chart does not represent recommended weights of charge. It is intended as a guide only to show the relationship of the volumetric capacity to the various bushings.

NOTE: Single stage machines will usually throw heavier charges than progressive reloading machines. For best accuracy of powder loads use an accurate scale.

SHOTSHELL POWDERS

RAMSHOT

BUSHING #	COMPETITION
10	7.2
11	7.6
12	8.1
12A	8.5
13	9.0
13A	9.5
14	10.0
15	10.5
16	11.0
17	11.5
18	12.1
19	12.6
20	13.2
21	13.8
22	14.4
23	15.0
24	15.6
25	16.2
26	16.9
27	17.5
28	18.2
29	18.9
30	19.6
31	20.3
32	21.0
33	21.7
34	22.5
35	23.2
36	24.0
37	24.8
38	25.6
38A	26.4
39	27.2
39A	28.0
40	28.9
40A	29.7
41	30.6
41A	31.5
42	32.4
42A	33.3
43	34.2
43A	35.1
44	36.1
44A	37.0
45	38.0
45A	39.0
46	39.9

ACCURATE

BUSHING #	ACCURATE NO. 5	SOLO 1000	ACCURATE NO. 2	NITRO 100	SOLO 1250
10	13.7	7.0	9.2	7.5	7.0
11	14.6	7.6	9.8	7.9	7.4
12	15.4	8.2	10.3	8.3	7.9
12A	16.3	8.8	10.9	8.8	8.3
13	17.2	9.3	11.5	9.2	8.8
13A	18.1	9.8	12.2	9.7	9.3
14	19.0	10.3	12.8	10.2	9.7
15	20.0	10.8	13.3	10.8	10.1
16	21.0	11.4	14.0	11.2	10.6
17	22.0	12.0	14.7	11.7	11.1
18	23.0	12.5	15.2	12.3	11.6
19	24.1	13.1	15.9	12.8	12.2
20	25.1	13.8	16.5	13.4	12.8
21	26.2	14.4	17.3	14.0	13.4
22	27.4	15.0	18.2	14.6	14.0
23	28.5	15.7	18.8	15.2	14.6
24	29.7	16.2	19.6	15.7	15.2
25	30.9	16.7	20.4	16.3	15.7
26	32.1	17.2	21.0	17.0	16.4
27	33.4	17.9	21.7	17.7	16.9
28	34.6	18.6	23.1	18.3	17.8
29	35.9	19.3	23.8	19.0	18.3
30	37.3	20.0	24.7	19.8	19.1
31	38.6	20.7	25.6	20.6	19.7
32	40.0	21.5	26.4	21.3	20.6
33	41.4	22.2	27.5	21.8	21.2
34	42.8	22.9	28.5	22.5	22.0
35	44.2	23.8	29.3	23.2	22.7
36	45.7	24.5	30.2	24.0	23.5
37	47.1	25.3	31.4	24.8	24.2
38	48.7	26.1	32.4	25.6	25.1
38A	50.2	27.2	33.4	26.4	25.9
39	51.7	28.1	34.3	27.2	26.7
39A	53.3	28.9	35.3	28.0	27.5
40	54.9	29.9	36.2	28.8	28.4
40A	56.6	30.8	37.3	29.6	29.2
41	58.2	31.9	38.3	30.5	30.1
41A	59.9	32.8	39.2	31.4	31.1
42	61.6	33.7	40.3	32.2	31.9
42A	63.3	34.8	41.2	33.1	32.8
43	65.0	35.8	42.3	34.0	33.7
43A	66.8	36.9	43.4	34.9	34.6
44	68.6	37.9	44.3	35.9	35.6
44A	70.4	38.8	45.4	36.9	36.5
45	72.3	39.9	46.4	37.8	37.5
45A	74.1	40.8	47.3	38.7	38.5
46	76.0	41.9	48.3	39.7	39.4

ALLIANT

BUSHING #	AMERICAN SELECT	RED DOT	GREEN DOT	HERCO	2400	BLUE DOT	UNIQUE	BULLSEYE	e3	20/28	EXTRA - LITE	PRO REACH	POWER PRO 300MP	BUSHING #	410
10	6.9	6.3	6.7	7.9	11.8	10.8	7.5	8.6	6.6	9.1	6.6	9.9	13.9	7	10.2
11	7.3	6.7	7.2	8.3	12.5	11.3	7.9	9.1	7.0	9.4	6.9	10.3	14.7	8	10.5
12	7.7	7.1	7.6	8.8	13.3	11.9	8.4	9.6	7.2	10.1	7.4	10.9	15.6	9	11.1
12A	8.2	7.5	8.0	9.3	14.0	12.5	8.9	10.1	7.5	10.8	7.9	11.6	16.5	10	11.7
13	8.6	7.9	8.4	9.8	14.8	13.1	9.4	10.6	8.0	11.3	8.3	12.3	17.3	11	12.1
13A	9.1	8.3	8.9	10.4	15.6	13.7	9.9	11.2	8.3	11.9	8.6	12.9	18.3	12	13.0
14	9.6	8.7	9.3	10.9	16.4	14.4	10.4	11.7	8.9	12.5	9.0	13.5	19.3	12A	13.6
15	10.1	9.2	9.8	11.4	17.2	15.0	10.9	12.3	9.2	13.0	9.5	14.2	20.3	13	14.5
16	10.6	9.6	10.3	12.0	18.1	15.7	11.4	12.9	9.9	13.8	9.9	14.9	21.3	13A	15.1
17	11.1	10.1	10.8	12.6	18.9	16.3	12.0	13.5	10.5	14.5	10.5	15.8	22.4	14	15.7
18	11.7	10.6	11.3	13.2	19.8	17.0	12.6	14.1	11.0	15.1	11.0	16.7	23.4	15	16.6
19	12.2	11.1	11.8	13.8	20.7	17.7	13.1	14.8	11.7	15.7	11.6	17.5	24.6	16	17.4
20	12.8	11.6	12.4	14.4	21.7	18.4	13.7	15.4	12.3	16.3	12.0	18.2	25.8	17	18.4
21	13.3	12.1	12.9	15.0	22.6	19.2	14.5	16.1	12.8	17.1	12.7	19.1	26.7	18	19.2
22	13.9	12.6	13.5	15.7	23.6	20.1	15.1	16.8	13.4	18.0	13.3	19.9	27.6	19	20.2
23	14.5	13.1	14.0	16.3	24.6	21.0	15.8	17.5	13.8	18.8	13.7	20.7	28.7	20	21.1
24	15.1	13.7	14.6	17.0	25.6	21.9	16.4	18.2	14.2	19.6	14.4	21.5	29.9	21	22.1
25	15.7	14.2	15.2	17.7	26.6	22.8	17.1	18.9	14.8	20.5	14.8	22.3	31.1	22	23.1
26	16.4	14.9	15.8	18.4	27.7	23.7	17.7	19.6	15.3	21.3	15.2	23.1	32.5	23	24.4
27	17.0	15.7	16.4	19.1	28.8	24.6	18.4	20.4	15.9	22.1	15.8	23.5	33.8	24	25.6
28	17.7	16.4	17.0	19.8	29.9	25.5	19.1	21.2	16.4	23.0	16.6	24.2	35.1	25	26.1
29	18.3	17.1	17.7	20.6	31.0	26.4	19.8	21.9	16.9	23.8	17.2	25.3	36.3	26	26.9
30	19.0	17.8	18.3	21.3	32.1	27.3	20.5	22.8	17.4	24.5	17.9	26.7	37.1	27	28.0
31	19.7	18.5	19.0	22.1	33.3	28.2	21.1	23.7	17.9	25.4	18.5	27.5	38.0	28	29.5
32	20.4	19.2	19.6	22.9	34.5	29.1	21.7	24.6	18.5	26.3	19.1	28.2	38.8	29	30.3
33	21.1	19.9	20.3	23.7	35.7	30.5	22.5	25.5	19.5	26.8	19.6	29.2	41.1	30	31.4
34	21.8	20.6	21.0	24.5	36.9	31.6	23.2	26.4	20.5	27.6	20.2	30.5	43.3	31	32.4
35	22.6	21.3	21.7	25.3	38.1	32.7	24.0	27.3	21.0	28.8	20.9	31.2	44.9	32	33.6
36	23.3	21.9	22.4	26.2	39.4	33.8	24.8	28.2	21.8	29.9	21.6	32.1	46.3	33	34.7
37	24.1	22.7	23.2	27.0	40.7	35.0	25.6	29.1	22.3	31.2	22.5	33.5	48.0	34	35.9
38	24.9	23.3	23.9	27.9	42.0	36.1	26.5	30.1	22.8	32.4	23.3	34.5	50.1	35	37.0
38A	25.7	24.1	24.7	28.8	43.3	37.3	27.3	31.0	23.2	33.2	23.9	35.5	51.3	36	38.1
39	26.5	24.7	25.4	29.7	44.6	38.5	28.2	31.9	23.8	34.0	24.6	36.2	52.9	37	39.3
39A	27.3	25.2	26.2	30.6	46.0	39.7	29.0	32.8	24.5	35.1	25.3	37.4	54.4	38	40.6
40	28.1	25.9	27.0	31.5	47.4	40.9	29.9	33.7	25.4	36.2	26.1	38.6	56.0	38A	42.0
40A	28.9	26.6	27.8	32.4	48.8	42.2	30.8	34.7	26.0	37.5	26.7	39.8	57.5	39	43.3
41	29.8	27.3	28.6	33.4	50.2	43.4	31.7	35.7	26.6	38.8	27.4	41.0	59	39A	45.0
41A	30.7	27.9	29.4	34.3	51.6	44.7	32.6	36.9	27.0	39.9	28.2	42.1	62.4	40	46.7
42	31.5	28.4	30.3	35.3	53.1	46.0	33.5	38.1	27.5	41.1	29.0	43.4	63.7	40A	48.0
42A	32.4	29.3	31.1	36.3	54.6	47.4	34.5	39.4	28.8	42.4	29.8	44.2	65.1	41	49.2
43	33.3	29.9	32.0	37.3	56.1	48.7	35.4	40.7	30.0	43.7	30.7	45.2	66.4	41A	50.4
43A	34.2	30.8	32.8	38.3	57.6	50.1	36.4	42.0	31.1	45.0	31.6	46.7	68.3	42	51.7
44	35.2	31.5	33.7	39.3	59.2	51.5	37.4	43.3	32.2	46.2	32.6	48.0	70.2	42A	53.0
44A	36.4	32.1	34.6	40.4	60.7	52.9	38.4	44.6	33.1	47.1	33.0	49.4	72.1	43	54.8
45	37.0	32.7	35.5	41.4	62.3	54.3	39.4	46.0	33.9	48.1	33.8	51.0	74.0	43A	56.3
45A	38.0	33.4	36.4	42.5	63.9	55.7	40.4	47.4	34.8	48.9	34.6	52.3	76.0	44	57.4
46	39.0	34.1	37.4	43.6	65.6	57.2	41.4	48.8	35.9	49.9	35.3	54.4	77.9	44A	58.0

IMR

BUSHING #	800-X	700-X	RED	BLUE	GREEN	UNEQUAL
10	6.4	6.0	6.9	10.6	7.7	7.6
11	7.0	6.4	7.1	11.3	8.0	8.1
12	7.6	6.8	7.4	11.6	8.4	8.7
12A	8.0	7.2	8.0	12.2	9.0	9.4
13	8.6	7.6	8.6	12.8	9.7	9.9
13A	9.2	8.0	9.2	13.7	10.3	10.2
14	9.8	8.4	9.8	14.4	10.8	10.8
15	10.4	8.9	10.3	15.0	11.1	11.3
16	11.0	9.5	10.8	15.7	11.5	12.2
17	11.6	10.1	11.2	16.6	12.3	12.8
18	12.2	10.7	11.6	17.5	13.0	13.2
19	12.8	11.3	12.2	18.4	13.4	13.8
20	13.5	11.9	12.8	19.2	13.8	14.3
21	14.2	12.5	13.6	20.0	14.3	15.1
22	15.0	13.1	14.5	20.8	14.7	15.7
23	15.7	13.7	14.8	21.6	15.6	16.4
24	16.3	14.3	15.1	22.4	16.5	16.9
25	17.0	14.9	15.4	23.4	17.2	17.4
26	17.5	15.6	16.3	24.4	17.8	18.5
27	18.2	16.2	17.1	25.2	18.2	18.7
28	18.8	16.9	17.7	26.0	18.6	19.3
29	19.4	17.5	18.2	27.1	19.6	20.1
30	20.2	18.2	19.0	28.1	20.5	20.7
31	20.9	18.9	19.8	29.2	21.1	21.7
32	21.6	19.9	20.6	30.4	21.7	22.4
33	22.3	20.3	21.0	31.3	22.5	23.1
34	23.1	21.0	21.4	32.3	23.2	24.0
35	24.0	21.8	21.9	33.3	24.2	24.2
36	24.8	22.5	22.7	35.2	25.1	25.7
37	25.7	23.3	23.4	35.7	26.2	26.3
38	26.5	24.1	24.5	36.9	27.3	27.2
38A	27.3	24.9	25.7	38.1	27.8	27.9
39	28.1	25.7	26.9	39.3	28.3	28.5
39A	28.9	26.5	27.3	40.4	29.1	30.3
40	29.7	27.3	27.6	41.5	29.9	30.8
40A	30.4	28.1	28.6	43.2	30.8	31.9
41	31.6	29.0	29.5	44.8	31.7	32.8
41A	32.5	29.9	30.7	45.7	32.6	34.1
42	33.5	30.7	31.9	46.7	33.4	34.9
42A	34.8	31.6	32.6	48.4	34.2	35.9
43	35.7	32.5	33.3	50.0	35.1	36.9
43A	36.3	33.4	34.1	51.1	36.2	38.5
44	36.9	34.4	34.8	52.1	37.3	39.1
44A	37.5	35.6	35.7	53.7	38.6	40.1
45	38.1	36.2	36.5	55.2	39.8	41.3
45A	38.7	37.2	37.3	56.7	41.1	42.4
46	39.3	38.2	38.2	58.3	42.3	43.6

HODGDON

BUSHING #	HS6	HS7	H110	CLAYS	INTERNATIONAL CLAYS	UNIVERSAL CLAYS	LONGSHOT	TITEWAD	BUSHING #	LIL GUN
10	12.6	13.4	14.2	6.3	7.2	8.3	11.8	7.9	7	12.1
11	13.4	14.2	15.0	6.7	7.6	8.8	12.5	8.3	8	12.6
12	14.2	15.0	15.8	7.0	8.1	9.3	13.3	8.8	9	13.1
12A	15.0	15.8	16.7	7.4	8.6	9.9	14.0	9.3	10	13.6
13	15.8	16.7	17.6	7.8	9.1	10.4	14.8	9.8	11	14.5
13A	16.7	17.6	18.5	8.2	9.6	11.0	15.6	10.4	12	15.3
14	17.6	18.5	19.5	8.6	10.1	11.6	16.4	10.9	12A	16.2
15	18.5	19.5	20.4	9.1	10.6	12.2	17.2	11.4	13	17.1
16	19.5	20.4	21.4	9.5	11.1	12.9	18.1	12.0	13A	18.0
17	20.4	21.4	22.4	9.9	11.7	13.5	18.9	12.6	14	18.9
18	21.4	22.4	23.4	10.4	12.3	14.2	19.8	13.2	15	19.9
19	22.4	23.4	24.5	10.9	12.8	14.8	20.7	13.8	16	20.9
20	23.4	24.5	25.6	11.4	13.4	15.5	21.7	14.4	17	21.9
21	24.5	25.6	26.7	11.8	14.0	16.2	22.6	15.0	18	22.9
22	25.6	26.7	27.8	12.3	14.6	17.0	23.6	15.7	19	24.0
23	26.7	27.8	28.9	12.9	15.3	17.7	24.6	16.3	20	25.0
24	27.8	28.9	30.1	13.4	15.9	18.4	25.6	17.0	21	26.1
25	28.9	30.1	31.3	13.9	16.6	19.2	26.6	17.7	22	27.3
26	30.1	31.3	32.5	14.5	17.2	19.7	27.7	18.4	23	28.4
27	31.3	32.5	33.8	15.0	17.9	20.8	28.8	19.1	24	29.6
28	32.5	33.8	35.0	15.6	18.6	21.6	29.9	19.8	25	30.8
29	33.8	35.0	36.3	16.2	19.3	22.4	31.0	20.6	26	32.0
30	35.0	36.3	37.6	16.7	20.0	23.3	32.1	21.3	27	33.3
31	36.3	37.6	38.9	17.3	20.8	24.1	33.3	22.1	28	34.5
32	37.6	38.9	40.3	17.9	21.5	25.0	34.5	22.9	29	35.8
33	38.9	40.3	41.7	18.6	22.3	25.9	35.7	23.7	30	37.2
34	40.3	41.7	43.1	19.2	23.0	26.8	36.9	24.5	31	38.5
35	41.7	43.1	44.5	19.8	23.8	27.7	38.1	25.3	32	39.9
36	43.1	44.5	45.9	20.5	24.6	28.6	39.4	26.2	33	41.3
37	44.5	45.9	47.4	21.1	25.4	29.6	40.7	27.0	34	42.7
38	45.9	47.4	48.9	21.8	26.3	30.6	42.0	27.9	35	44.1
38A	47.4	48.9	50.4	22.5	27.1	31.5	43.3	28.8	36	45.6
39	48.9	50.4	52.0	23.2	28.0	32.5	44.6	29.7	37	47.0
39A	50.4	52.0	53.5	23.9	28.8	33.5	46.0	30.6	38	48.6
40	52.0	53.5	55.1	24.6	29.7	34.5	47.4	31.5	38A	50.1
40A	53.5	55.1	56.7	25.3	30.6	35.4	48.8	32.4	39	51.6
41	55.1	56.7	58.4	26.0	31.5	36.6	50.2	33.4	39A	53.2
41A	56.7	58.4	60.0	26.8	32.4	37.7	51.6	34.3	40	54.8
42	58.4	60.0	61.7	27.5	33.3	38.8	53.1	35.3	40A	56.5
42A	60.0	61.7	63.4	28.3	34.3	39.9	54.6	36.3	41	58.1
43	61.7	63.4	65.1	29.1	35.2	41.0	56.1	37.3	41A	59.8
43A	63.4	65.1	66.9	29.9	36.2	42.1	57.6	38.3	42	61.5
44	65.1	66.9	68.6	30.7	37.2	43.2	59.2	39.3	42A	63.2
44A	66.9	68.6	70.4	31.5	38.2	44.4	60.7	40.4	43	64.9
45	68.6	70.4	72.3	32.3	39.2	45.6	62.3	41.4	43A	66.7
45A	70.4	72.3	74.1	33.1	40.2	46.8	63.9	42.5	44	68.5
46	72.3	74.1	75.1	33.9	41.2	48.0	65.6	43.6	44A	70.3

WINCHESTER

BUSHING #	SUPER HCP	WAA LITE	SUPER TARGET	296	SUPER FIELD
10	10.5	7.5	7.9	13.7	10.9
11	11.2	8.0	8.3	14.6	11.5
12	11.8	8.4	8.8	15.4	12.2
12A	12.5	9.1	9.3	16.3	12.9
13	13.3	9.8	9.8	17.2	13.6
13A	14.0	10.2	10.4	18.1	14.3
14	14.7	10.6	10.9	19.0	15.0
15	15.5	11.2	11.4	20.0	15.8
16	16.2	11.8	12.0	21.0	16.6
17	17.1	12.3	12.6	22.0	17.4
18	18.0	12.7	13.2	23.0	18.2
19	18.8	13.3	13.8	24.1	19.0
20	19.6	13.9	14.4	25.1	19.9
21	20.7	14.6	15.0	26.2	20.8
22	21.7	15.4	15.7	27.4	21.6
23	22.5	15.9	16.3	28.5	22.6
24	23.2	16.5	17.0	29.7	23.5
25	24.1	17.2	17.7	30.9	24.4
26	25.0	17.9	18.4	32.1	25.4
27	25.9	18.6	19.1	33.4	26.4
28	26.7	19.3	19.8	34.6	27.4
29	27.8	20.0	20.6	35.9	28.4
30	28.8	20.7	21.3	37.3	29.5
31	30.0	21.4	22.1	38.6	30.5
32	31.2	22.1	22.9	40.0	31.6
33	31.9	22.7	23.7	41.4	32.7
34	32.6	23.3	24.5	42.8	33.8
35	33.9	24.3	25.3	44.2	35.0
36	35.2	25.4	26.2	45.7	36.1
37	36.7	26.3	27.0	47.1	37.3
38	38.3	27.3	27.9	48.7	38.5
38A	39.4	28.1	28.8	50.2	39.7
39	40.6	28.9	29.7	51.7	40.9
39A	41.7	29.7	30.6	53.3	42.2
40	42.8	30.6	31.5	54.9	43.4
40A	44.1	31.6	32.4	56.6	44.7
41	45.5	32.7	33.4	58.2	46.0
41A	46.8	33.7	34.3	59.9	47.4
42	48.1	34.8	35.3	61.6	48.7
42A	49.6	35.6	36.3	63.3	50.1
43	51.1	36.5	37.3	65.0	51.5
43A	52.5	37.3	38.3	66.8	52.9
44	54.0	38.2	39.3	68.6	54.3
44A	55.3	39.2	40.4	70.4	55.7
45	56.6	40.2	41.4	72.3	57.2
45A	57.8	41.2	42.5	74.1	58.6
46	59.1	42.2	43.6	76.0	60.1

HANDLOADER GUIDES FURNISHED FROM:

Alliant Techsystems
Route 114 • P.O. Box 6
Radford, VA 24141-0006
(800) 276-9337
www.alliantpowder.com

Hodgdon Powder Co., Inc.
6231 Robinson Street
Shawnee Mission, KS 66202
(913) 362-9455
www.hodgdon.com

IMR Powder Co.
6231 Robinson Street
Shawnee Mission, KS 66202
(913) 362-9455
www.imrpowder.com

Ramshot
Western Powders
P.O. Box 158 • Yellow Stone Hill
Miles City, MT 59301
(406) 234-0422
www.ramshot.com

Accurate Arms
Western Powders
P.O. Box 158 • Yellow Stone Hill
Miles City, MT 59301
(406) 234-0422
www.accuratepowder.com

Winchester Powder
6231 Robinson Street
Shawnee Mission, KS 66202
(913) 362-9455
www.wwpowder.com

COMPATIBLE COMPONENTS: Primers, wads, powder charge and weight of the shot charge must be in accordance with manufacturers specifications. Handloader guides are available from component manufacturers or possibly from your source of reloading components. We recommend that you use the data listed in the handloader guides. Because we have no control over the type, quality, or quantity of components used, we assume no responsibility relative to your reloading or finished shells.

Note: Amount of powder thrown by bushings was calculated using single stage reloaders. Progressive reloaders tend to throw a lesser amount. Please verify by using an accurate scale.

POWDER CONVERSION TABLE

GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND
12	583	18	388	24	291	30	233	36	194	42	166
13	538	19	368	25	280	31	225	37	189	43	162
14	500	20	350	26	269	32	218	38	184		
15	466	21	333	27	259	33	212	39	179		
16	437	22	318	28	250	34	205	40	175		
17	411	23	304	29	241	35	200	41	170		