

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.

SHOT SHELL POWDERS		RAMSHOT		ACCURATE		ALLIANT		IMR		HODGDON		WINCHESTER	
BUSHING #	COMPETITION	BUSHING #	ACCURATE NO. 5	ACCURATE NO. 2	ACCURATE NO. 1	BUSHING #	AMERICAN SELECT	BUSHING #	800-X	BUSHING #	HS6	BUSHING #	200
10	7.2	10	13.7	7.0	9.2	7.0	10	6.9	6.3	6.7	7.9	11.8	10.8
11	7.6	11	14.6	7.6	9.8	7.4	11	7.3	6.7	7.2	8.3	12.5	11.3
12	8.1	12	15.4	8.2	10.3	8.3	12	7.7	7.1	7.6	8.8	13.3	11.9
12A	8.5	12A	16.3	8.8	10.9	8.8	12A	8.2	7.5	8.0	9.3	14.0	12.5
13	9.0	13	17.2	9.3	11.5	9.2	13	8.6	7.9	8.4	9.8	14.8	13.1
13A	9.5	13A	18.1	9.8	12.2	9.7	13A	9.1	8.3	8.9	10.4	15.6	13.7
14	10.0	14	19.0	10.3	12.8	10.2	14	9.6	8.7	9.3	10.9	16.4	14.4
15	10.5	15	20.0	10.8	13.3	10.8	15	10.1	9.2	9.8	11.4	17.2	15.0
16	11.0	16	21.0	11.4	14.0	11.2	16	10.6	9.6	10.3	12.0	18.1	15.7
17	11.5	17	22.0	12.0	14.7	11.7	17	11.1	10.1	10.8	12.6	18.9	16.3
18	12.1	18	23.0	12.5	15.2	12.3	18	11.7	10.6	11.3	13.2	19.8	17.0
19	12.6	19	24.1	13.1	15.9	12.8	19	12.2	11.1	11.8	13.8	20.7	17.7
20	13.2	20	25.1	13.8	16.5	13.4	20	12.8	11.6	12.4	14.4	21.7	18.4
21	13.8	21	26.2	14.4	17.3	14.0	21	13.3	12.1	12.9	15.0	22.6	19.2
22	14.4	22	27.4	15.0	18.2	14.6	22	13.9	12.6	13.5	15.7	23.6	20.1
23	15.0	23	28.5	15.7	18.8	15.2	23	14.5	13.1	14.0	16.3	24.6	21.0
24	15.6	24	29.7	16.2	19.6	15.7	24	15.1	13.7	14.6	17.0	25.6	21.9
25	16.2	25	30.9	16.7	20.4	16.3	25	15.7	14.2	15.2	17.7	26.6	22.8
26	16.9	26	32.1	17.2	21.0	16.4	26	16.4	14.9	15.8	18.4	27.7	23.7
27	17.5	27	33.4	17.9	21.7	16.9	27	17.0	15.7	16.4	19.1	28.8	24.6
28	18.2	28	34.6	18.6	22.3	17.8	28	17.7	16.4	17.0	19.8	29.9	25.5
29	18.9	29	35.9	19.3	23.8	19.0	29	18.3	17.1	17.7	20.6	31.0	26.4
30	19.6	30	37.3	20.0	24.7	19.8	30	19.0	17.8	18.3	21.3	32.1	27.3
31	20.3	31	38.6	20.7	25.6	20.6	31	19.7	18.5	19.0	22.1	33.3	28.2
32	21.0	32	40.0	21.5	26.4	21.3	32	20.4	19.2	19.6	22.9	34.5	29.1
33	21.7	33	41.4	22.2	27.5	21.8	33	21.1	19.9	20.3	23.7	35.7	30.0
34	22.5	34	42.8	22.9	28.5	22.5	34	21.8	20.6	21.0	24.5	36.9	31.6
35	23.2	35	44.2	23.8	29.3	23.2	35	22.6	21.3	21.7	25.3	38.1	32.7
36	24.0	36	45.7	24.5	30.2	24.0	36	23.3	21.9	22.4	26.2	39.4	33.8
37	24.8	37	47.1	25.3	31.4	24.8	37	24.1	22.7	23.2	27.0	40.7	35.0
38	25.6	38	48.7	26.1	32.4	25.6	38	24.9	23.3	23.9	27.9	42.0	36.1
38A	26.4	38A	50.2	27.2	33.4	26.4	38A	25.7	24.1	24.7	28.8	43.3	37.3
39	27.2	39	51.7	28.1	34.3	27.2	39	26.5	24.7	25.4	29.7	44.6	38.5
39A	28.0	39A	53.3	28.9	35.3	28.0	39A	27.3	25.2	26.2	30.6	46.0	39.7
40	28.9	40	54.9	29.9	36.2	28.8	40	28.1	25.9	27.0	31.5	47.4	40.9
40A	29.7	40A	56.6	30.8	37.3	29.6	40A	28.9	26.6	27.8	32.4	48.8	42.2
41	30.6	41	58.2	31.9	38.3	30.5	41	29.8	27.3	28.6	33.4	50.2	43.4
41A	31.5	41A	59.9	32.8	39.2	31.4	41A	30.7	27.9	29.4	34.3	51.6	44.7
42	32.4	42	61.6	33.7	40.3	32.2	42	31.5	28.4	30.3	35.3	53.1	46.0
42A	33.3	42A	63.3	34.8	41.2	33.1	42A	32.4	29.3	31.1	36.3	54.6	47.4
43	34.2	43	65.0	35.8	42.3	34.0	43	33.3	29.9	32.0	37.3	56.1	48.7
43A	35.1	43A	66.8	36.9	43.4	34.9	43A	34.2	30.8	32.8	38.3	57.6	50.1
44	36.1	44	68.6	37.9	44.3	35.9	44	35.2	31.5	33.7	39.3	59.2	51.5
44A	37.0	44A	70.4	38.8	45.4	36.9	44A	36.4	32.1	34.6	40.4	60.7	52.9
45	38.0	45	72.3	39.9	46.4	37.8	45	37.0	32.7	35.5	41.4	62.3	54.3
45A	39.0	45A	74.1	40.8	47.3	38.7	45A	38.0	33.4	36.4	42.5	63.9	55.7
46	39.9	46	76.0	41.9	48.3	39.7	46	39.0	34.1	37.4	43.6	65.6	57.2

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

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

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

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	368	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		

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.