

## POWDER CHARGE WEIGHT IN GRAINS

GRAINS	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	
Accurate Solo 1000	387	399	411	420	432	438	447	459	474																						
Accurate Solo 1250	369	384	396	408	420	429	441	453	459	471	480	492	501	510	516	525	537	543	555	558											
Accurate No. 2 Improved				357	366	378	387	396	408	417																					
Accurate Nitro 100	375	387	399	411	423	435	447	456	465																						
DuPont 700-X		402	414	429	441	453	465	471	486	498																					
DuPont PB	366		390	402	414	426	435	447	456	465	474	486																			
DuPont SR 7625	345			381	390	402	414	426	438	444	453	462	474	486																	
DuPont 800-X		372	390	402	414	423	429	438	447	459	468	480			507	525		534		549	558										
DuPont SR 4756		366				408		426	435	447	459	471	480						525	534		549	558			580	588				
DuPont 4227									366			390		408	414	420	426	435	441	447	453	462	468	474	480	486		498			
Alliant American Select			417	423	432	447	456	468	477	483																					
Alliant Red Dot & E3	405	423	438	453	468	480	489	498	510	519																					
Alliant Green Dot	390	405	420	435	447	456	468	480	492	501	513	522	534		549	558															
Alliant Unique	354	369	381	393	405	414	423	435	444	453	465	474	483	492	501		510														
Alliant Herco	369	381	393	405	414	426	438	450	462	471	477	489	498		513	522	531		549	558	564	573		588	594						
Alliant Blue Dot					366	372	381	390	396	408	414	423	435	441	447	459	468	474	483	489	495	501	510	516	522	531	534	543	549	555	
Alliant 2400	291	300	312	324	330	339																									
Hodgdon Clays			429	441	456	468	483	495	507																						
Hodgdon International	375	390	402	414	423	435	447	459	471	483	495	507																			
Hodgdon Universal	342	354	366	378	390	402	411	420	429	438	447	456	468	480	489	501															
Hodgdon HS-6				300	309	318	327	336	345	357	360	366	375	381	387	393	402	408	414	423	429										
Hodgdon HS-7						318	330	339	348	357	363	369	378	384	390	396	405	411	417	423	429	438	444	450							
Hodgdon Titewad		384	396	408	420	432	441	453	462	474	486	492																			
Hodgdon Longshot	300	309	318	330	345	348	357	366	372	381	390	396	405	414	423	429	435	444	450	459	465	471	480	486	492	498					
Hodgdon Titegroup		324	330	343	351	360	369	378	387	396	405																				
Winchester 540				300	309	318	327	336	345		360	366		381			402	408	414	423	429	435	441	444	450	459	465	471			
Winchester 571						318									390	396					423	429	438	444	450	456	462	468	474	480	486
Winchester Super Target					414	429	438	450	459	471	480																				
Winchester Super Lite				345	354	363	372	381	390	402																					
Winchester Super Field			327	345	354									420	426	432	441	450	456	462											

### HOW TO SELECT BUSHINGS FOR HALF GRAIN CHARGES:

Powder bushings are identified by numbers that correspond to the size of their inside diameter. (For instance, the inside diameter of the #456 bushing is .456 inches.) Bushings for powder charges in half-grain increments can be calculated from this chart. Simply "split the difference" between the two even-grain bushings, and select the bushing nearest the result.

Example: To find the bushing for 18 1/2 grains of Alliant Red Dot powder, note that bushing #468 gives a charge of 18 grains



and that bushing #480 gives 19 grains. Split the difference between 468 and 480, and the result is 474. Thus, the correct bushing for 18 1/2 grains of Red Dot is bushing #474.

All charges listed on this chart are an average of several loads, weighed following the complete reloading cycle. Powders used in establishing these loads were from ballistic samples supplied by the manufacturer or sealed tins of recent manufacture. Charges may vary slightly due to operator's technique and/or powder variables.

## THE GRAND, Powder Bushings

Part Number	Bushing#	Part Number	Bushing#	Part Number	Bushing#	Part Number	Bushing#
89111	354	89119	408	89127	438	89135	462
89112	360	89120	414	89128	441	89136	465
89113	366	89121	420	89129	444	89137	468
89114	372	89122	423	89130	447	89138	471
89115	381	89123	426	89131	450	89139	474
89116	390	89124	429	89132	453	89140	480
89117	396	89125	432	89133	456	89141	486
89118	402	89126	435	89134	459	89142	498

THE GRAND, Lead Shot Bushings For Field Loads #6's Compensates for tighter packing of smaller shot size.	
Part Number	Bushing Description
89170	7/8 oz.
89171	1 oz.
89172	1-1/8 oz.
89173	1-1/4 oz.
89174	1-3/8 oz.
89175	1-1/2 oz.

INTERCHANGEABLE  
CHARGE BUSHINGS  
For use with THE GRAND  
shotshell reloader.  
Designed so shot and  
powder bushings cannot be  
accidentally reversed in the  
charge bar. The bushings  
make it easy to change  
from one load to another.

THE GRAND, Lead Shot Bushings For Target Loads Calibrated to measure maximum legal loads for trap and skeet shooting.	
Part Number	Bushing Description
89188	7/8 oz. #9
89189	1 oz. #7-1/2
89190	1 oz. #8
89191	1-1/8 oz. #7-1/2
89192	1-1/8 oz. #8
89193	1-1/8 oz. #8-1/2
89194	1-1/8 oz. #9

