

300 BLACKOUT

Reloading Data

&

Reference Information

24 Apr 2018

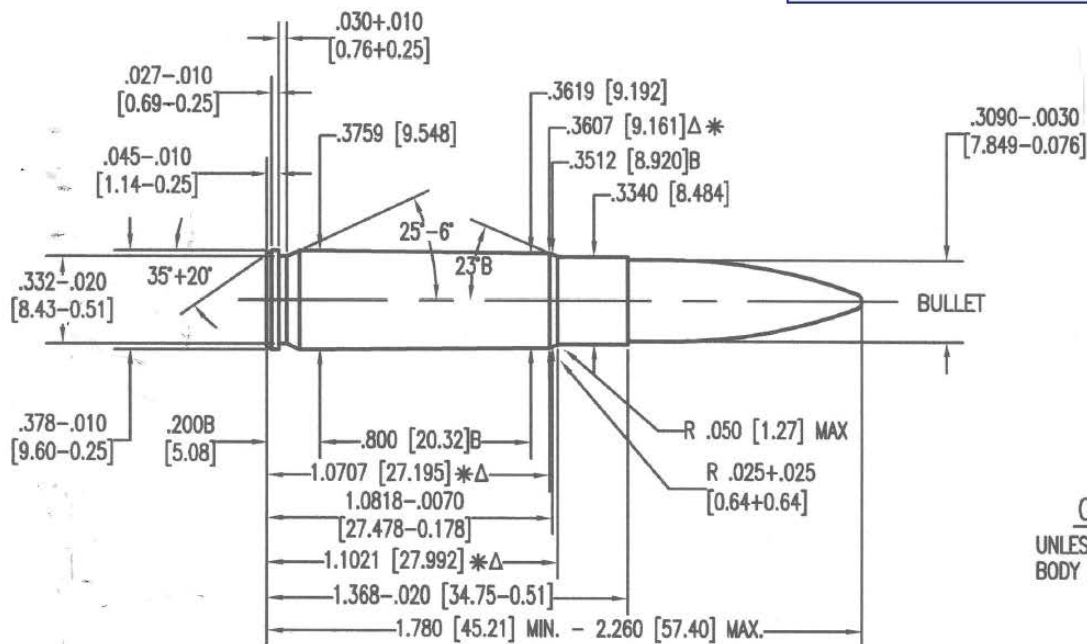


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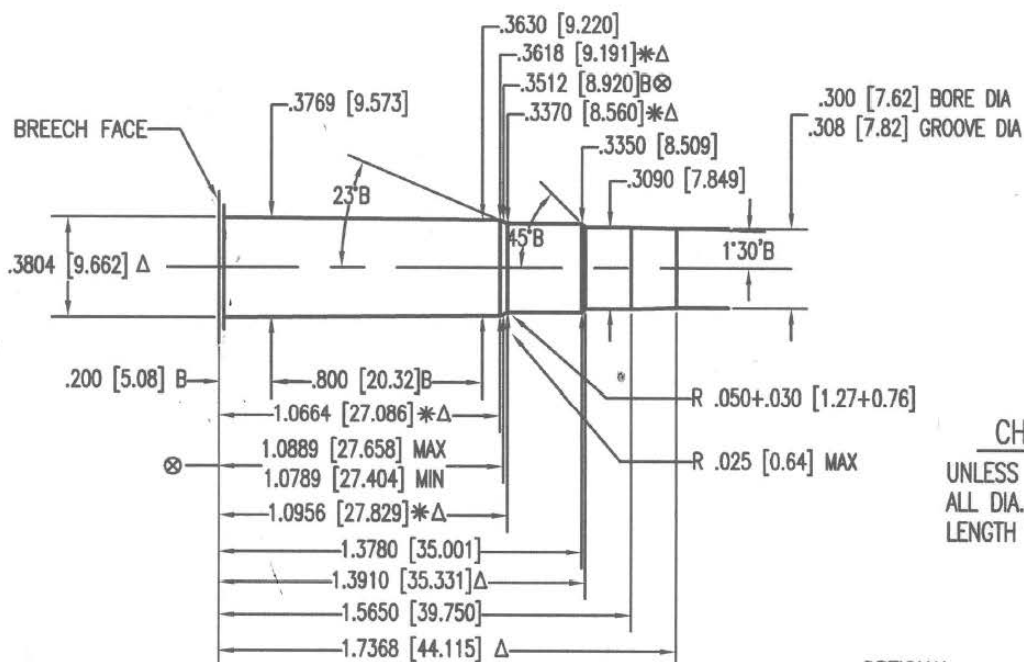
Since 1926

MAXIMUM CARTRIDGE / MINIMUM CHAMBER

300 AAC BLACKOUT



CARTRIDGE
UNLESS OTHERWISE NOTED
BODY DIA. -.005 [13]



CHAMBER
UNLESS OTHERWISE NOTED
ALL DIA. +.002 [0.05]
LENGTH TOL. +.015 [0.38]

OPTIONAL:
 Δ 5 GROOVES
 Δ.146+.002 [3.71+0.05] WIDE
 TWIST: 8 [203.2] R.H.

MIN. BORE & GROOVE
AREA: .0737 SQ. IN. [47.548 mm²]

If you load your own ammo, pay special attention to all of the normal safety practices. Recommended powder for most supersonic loads is Hodgdon H110/W296.

For subsonic, there are special requirements and nearly all published loads are non-optimal for the 300 BLK upper. Many existing loads were developed for Thompson Center® single-shot pistols, or for ARs by people not aware of the magazine limitations. These loads pay no attention to automatic rifle function and should not be used. Look for a load which results in a cyclic rate of 700 rpm or more. A1680 is recommended because its bulk density matches the case capacity and it will generate enough gas pressure to cycle the weapon.

Suggested subsonic load:

- R-P 300 AAC BLACKOUT brass
- Remington 7.5 primers
- 11.2 grains of A1680 powder (Adjust powder charge down as needed. Factory ammo is 1010 fps for 16" barrel)
- Case length is 1.368 +0.000 -0.020
- Sierra 220 MK loaded to 2.120 OAL (this length is optimal for reliable feeding from USGI magazines)
- Chamber pressure 21,100 psi.

There tends to be a lot of newer 300 blk owners, and re-loaders joining lately, and I believe that will continue to grow. They are constantly asking about powders. Often powders that are way to slow to be used effectively in the 300 blk. So this is going to be a List of powders that can be used in the 300 blk. It is a beginning and the list will be adjusted and or modified as things progress. This will not be for specific loads, although some may be listed, but will be broken down for supersonic powders, subsonic powders, powders that work for both, as well subsonic powders for bolt action and single shot, and may be broken down more as things progress. I may add notes to the original Post to each powder, with the understanding that sometimes what works for one gun combo may not work for another gun combo. If you see something not right let me know, by also giving supporting reasoning. Simply telling me I am wrong won't help. This may be ongoing and won't necessarily be complete for a while.

Powders that clearly work and have been tested thoroughly by AAC.

Super sonic- [H110/W296](#)

Subsonic- [Accurate 1680](#)

Powders that have been tested and tried by others.

[VihtaVuori N110](#) Sierra Lists for subs and supersonic loadings for 300 whisper.

[Hodgdon LIL'GUN](#) Seems to work good for subs and supers. May not function some 16 inch carbines gas systems.

[Winchester 296](#) - this is the same powder as H110

[IMR, Co IMR 4227](#)

[Hodgdon H4227](#)

[IMR, Co SR 4759](#)

[Accurate Arms 5744](#)

[Alliant Reloder 7](#)

[IMR, Co IMR 4198](#)

[Hodgdon H4198](#)

[Alliant 2400](#) can work for both subs and supers

[Alliant 300mp](#) seems to show promise for supersonic loadings

[Vihtavuori N120](#) Sierra lists it for super thru sub sonic loadings for 300 whisper.

[AA#9](#) Sierra lists it for super thru sub sonic loadings for 300 whisper

[AA#5](#) Sierra lists it for light weight supersonic loadings (135gr and lighter) for 300 whisper, However other powders give much higher velocity.

[AA#7](#) Sierra lists it for light weight supersonic loadings (135gr and lighter) for 300 whisper, However other powders give much higher velocity.

[AA2015](#) is listed in some supersonic loadings for 150gr and above.

Powders for subsonic single shot, bolt action

Trail boss- good for lighter grain subs, can work for heavy subs but requires almost a full case and a very compressed load.

Alliant Red Dot - Works well for heavy subs, but very extreme spread for lighter grain subs. Not recommended for light weight subs.

WW231

Unique

N320

AA#5 - tends to throw flyers but very quiet

HS6

IMR 4756 Lehigh defense recommends this powder for their bullets for single shot firearms. It is finicky, but once worked up it is very quiet.

Blue Dot Heavier subs 200 gr plus

700X Seems to work well for mid-range subs

Powders that simply won't work

IMR 4350

IMR 4064

Alliant Re-loader 15

Alliant Re-loader 17

AA2015

H4831SC

OAL (From Web, Verify)

- Hornady 110 V-Max, OAL: 2.000
- 110 TAC-TX, OAL : 2.015 Others say 2.250 and claim anything shorter is heavily compressed.
- Nosler Ballistic Tip 125 grain, OAL: 2.085
- Remington AccuTip 125 grain, OAL: 2.085
- Sierra H2120 125 ProHunter, OAL: 1.950
- Sierra 125 OTM, OAL: 2.215
- Speer TNT 125 1986, OAL: 2.010
- Hornady 130 SP #3020, OAL: 2.010
- Hornady 150 FMJ-BT 3037, OAL: 2.065
- Sierra 155 Palma, OAL: 2.150
- Lapua B416 200 grain, OAL: 1.960
- Hornady 208 AMAX, OAL: 2.150
- Sierra 220 SMK, OAL: 2.089



First measure your bullet and find the part of the ogive that measures .250. Mark with a Sharpie.

Seat bullet so mark is centered on the mag bump. Write down OAL in your notes.



I'm always finding shooters looking for a more complete understanding of the term "over-all length" (OAL) and how to find the **best** length for their handloads. Most reloaders have noticed that reloading manuals show one specific OAL for every different caliber. This OAL dimension shows the industry standard (SAAMI spec.) for a particular cartridge. Those published loads have been tested to be safe at that specific length, and they will always fit in your magazine. However, finding the "optimum" OAL for your particular rifle requires a bit more information than most reloading manuals provide. That's where the confusion sets in. Understanding the unique bullet ogive (side of each bullet) will help clear things up. The bullet ogive is much more relevant than the actual OAL regarding chamber pressure. This article explains "the rest of the story".

Factory ammo is also made according to industry standard dimensions so your handloads will fit in any rifle of the same caliber, and their ammo will always fit in your magazine. As a result, they seat their bullets at least .100" deeper than necessary. Some rifles (especially Weatherby Magnums) have well over .250" of free-bore (distance to the rifling). They do this to safely reach the highest velocity possible. On most production rifles, if you seat your bullets close to the rifling, your handloads will be too long to fit in your magazine. Finding the optimum OAL for maximum accuracy usually requires you to reduce the distance that the bullet travels before it contacts the rifling. This also helps maintain concentric alignment between bullet and the bore, so that your bullet gets a good start down the barrel.

Setting the OAL correctly for your "particular" chamber is the cheapest accuracy improvement there is. However, increasing the OAL will increase chamber pressure. To understand why chamber pressure is increased, think about this example of "forward momentum". A car can easily drive



over a curb with a little running start; but if you park right up against the curb and step on the gas - it requires a **whole lot** more force to start moving. Keeping this in mind, it's easy to understand why seating your bullet against the rifling increases chamber pressure. When we increase the OAL, we need to work up loads with caution, and expect chamber pressure to increase. Experienced shooters know that this is one essential step to improve rifle accuracy. The optimum length of accurate handloads will almost always be quite a bit longer than factory loads.

We need to remember that the tip of the bullet is not what contacts the barrel. Actual contact with the rifling occurs along the side of the bullet, so that's where the OAL measurement should be made. The picture at the right shows a "slotted case tool" that I made to determine the exact OAL measurement. This length measurement is based on where the bullet contacts the rifling. I have one of these modified cases for each rifle caliber that I reload. Just take a resized case, and cut 3 or 4 slots in the neck. This is an easy project with a Dremel tool using a cut-off disk. This makes a great chamber length gauge that will grip a bullet with just enough tension to hold it in place. This becomes an OAL gauge for one specific caliber using one particular type of bullet.

I use this "split case tool" to do find the exact distance between the bullet and the rifling. With the test bullet seated in my "split case tool", simply insert this round into your chamber. The rifling will push the bullet deeper into the case. Then carefully extract the round without disturbing the bullet. After this gizmo is extracted, you can measure it from the bullet ogive back to the base of the cartridge. This measurement is then used to adjust the seating depth of your dies and comparing to that measurement to your completed handloads.



The picture at the left shows another use for our **Digital Headspace Gauge**. It is shown measuring the "split case tool". At this point, just zero the gauge and then measure your handloads. This gauge will then display the distance to the rifling that YOUR handloads will have in YOUR particular rifle. In most cases a -.002" jump to the rifling is ideal. Due to the irregular point on most bullets, you can't expect to measure a consistent OAL to the tip of the bullets. Except for a good fit in your magazine, the total over-all length is not as important. It is more accurate to measure the over-all length of your cartridges from the bullet ogive.

Your barrel will eventually develop enough throat erosion to increase the OAL setting for your rifle. Magnum calibers (and several other hot cartridges) usually cause considerable throat erosion after firing just a few rounds in a new barrel. However, that wear will slow down considerably after the barrel is broken in. When testing the accuracy of handloads for hunting rifles, start experimenting with the longest OAL that will fit in your magazine. Then start making your handloads in .003" shorter increments until you find the

OAL that shoots best. I usually settle on the longest OAL setting that will shoot well, and fit in the magazine.

If you are seeking the ultimate accuracy (and if you don't plan to use your magazine) you should start at least .001" behind the rifling, and try reducing the OAL in .003" increments, until you come up with the most accurate load. I always avoid seating the bullet long enough to contact the rifling, because you will eventually need to extract a loaded round. When that happens, you could find that you have a bullet stuck in the rifling. You'll become aware of this as your case pulls away from the bullet, spilling powder all over the place.

Maximum accuracy is only possible after you've found the optimum OAL for your particular chamber. Give this method a try, and see how much your accuracy improves.

Brass:

Originally compiled by tlee_20, updated with user reports. In general, the wall thickness around 1.360 inches from the base will determine success or failure. As a rule of thumb, if the wall thickness is greater than 0.014, there may be problems with the loaded diameter of the neck being too large to chamber easily.



BRASS NECK THICKNESS DATA:

FACTORY BLACKOUT BRASS

- ✓ Gemtech (factory 300 BLK) - 0.011"
- ✓ PNW Arms - 0.011"
- ✓ RP - 0.010"



CONVERTED BRASS

Good:

- ✓ ADI - 0.012"
- ✓ Aguila - 0.012"
- ✓ A USA - 0.012"
- ✓ FC - 0.013/0.014" [Note 1]
- ✓ GFL - 0.012"
- ✓ HB - 0.013"
- ✓ Hornady (223 headstamp) - 0.011"
- ✓ Hornady (nickel 223) - 0.012"
- ✓ IK03 - 0.012" [Note 4]
- ✓ IMI - 0.012" [Note 4]
- ✓ IVI - 0.013"
- ✓ IVI ('85) - 0.012" (runs great)
- ✓ LC - 0.011"
- ✓ LC (converted blank) - 0.012"
- ✓ M193 - 0.011/0.012"
- ✓ Norinco 223 Rem - 0.010"
- ✓ Nosler - 0.012"
- ✓ PERFECTA 223 rem. - 0.012"
- ✓ PMC - modern "bronze" and "X-tac" are good, older PMC with small letters may have problems
- ✓ PS - 0.011/0.012"
- ✓ PSD - 0.011"
- ✓ RA - 0.013"
- ✓ RA ('69) - 0.012"
- ✓ RP .223 - 0.011"
- ✓ SSA - 0.012"
- ✓ TAA - 0.013"
- ✓ Tula - 0.0115"
- ✓ TW 67 - 0.012"
- ✓ TZZ - 0.012"
- ✓ WCC - 0.010/0.011"
- ✓ Winchester - 0.011"
- ✓ WIN NT - 0.011"
- ✓ WMA 15 - 0.011"

THICK NECK WALL, BAD WITHOUT NECK TURNING:

- ⊗ AB 556 - .015" to .016"
- ⊗ ATI - 0.015" [Note 3]
- ⊗ CBC - 0.014/0.015"
- ⊗ CJ 6 - 0.015"
- ⊗ CJ 8 - .014"
- ⊗ DNL - 0.016"
- ⊗ FNM - 0.016" [Note 3]
- ⊗ FRONTIER - 0.015"
- ⊗ GECO - 0.015/0.016"
- ⊗ Hot Shot - 0.014" [Note 3]
- ⊗ HRTRS (Herters?) - 0.017"
- ⊗ ICC - Reported as bad
- ⊗ IK03 - 0.015" [Note 4]
- ⊗ IMI - 0.015" [Note 4]
- ⊗ IVI - 0.015"
- ⊗ KFA .223 REM - 0.015"-0.019"
- ⊗ L2A2 - Reported as bad
- ⊗ MKE13 - Anecdotally reported as troublesome
- ⊗ MPA - 0.015"
- ⊗ Norma - 0.015"
- ⊗ NPA - [Note 3]
- ⊗ PMC (old headstamp) - 0.015"
- ⊗ PMP - 0.015"
- ⊗ PPU - 0.014/0.015" [Note 3]
- ⊗ RAM 223 .014"
- ⊗ RORG - 0.015"
- ⊗ RWS - 0.014-0.015"
- ⊗ S&B - 0.015/0.017"
- ⊗ SADU - 0.014/0.015"
- ⊗ TAA - 0.013-0.014" [Note 4]
- ⊗ Wolf Brass .223 - 0.014"



General notes:

There's no consistent difference between "5.56" and "223" when it comes to brass.

Many manufacturers may use different sources for casings at different times. This means that even within the same headstamp, it is possible that a particular batch was from a different source and may be different. Treat this list as a rule of thumb, and double check before processing a large quantity.

Note 1:

"FC" brass includes several types of brass that don't seem to come from the same factory. Most of them are good to go, but the "thin web" FC that turned up a few years back tends to have thicker walls and will cause neck thickness problems. Some FC that runs thicker is the newer stuff. Has beautiful annealing marks on it. Has FC @ 12:00, numbers @ 3:00 and/or 9:00 (May have both, could just have one), and the year @ 6:00

Note 2:

NPA is very low quality brass, with a super small flash hole, and is likely to cause broken or stuck decapping pins, or other problems.

Note 3:

The brass marked with this note may require extra sizing force, and machine flex may cause them to headspace too large if the machine is not set up specifically to do this "harder sizing" brass. This is due to thicker brass, alloy variations, or variations in factory anneal. This isn't always universal within a headstamp, for example, some older PPU had the problem and others did not.

Note 4:

This brass is included in both the good and the bad list based on differing user reports. It is important to keep in mind that sometimes a single headstamp can be made at multiple factories on multiple differing manufacturing processes. Other times a manufacturer that has their own brass factory might bring in brass from another manufacturer during times of high demand or to fulfill a large contract.

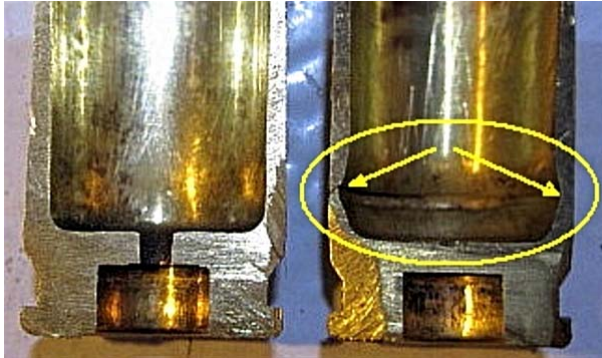
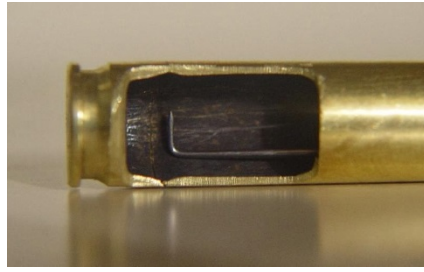
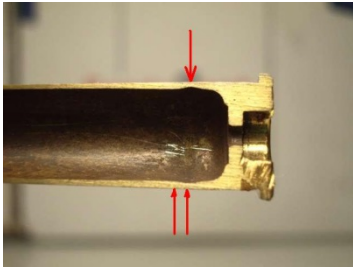
Brass forming notes:

Cut case 1.365 to 1.370 (prior to forming)

Final Case Length 1.360



Case Head Separation:



Boxer vs Berdan Primed:

Boxer on the left, Berdan on the right



Threads

1/2 x 28 tpi 5.56

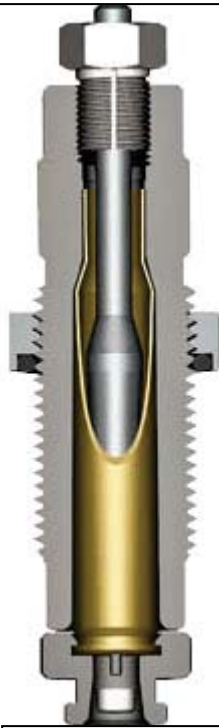
5/8 x 24 tpi 300 BLK & .308

<http://blog.silencershop.com/common-barrel-thread-reference/>

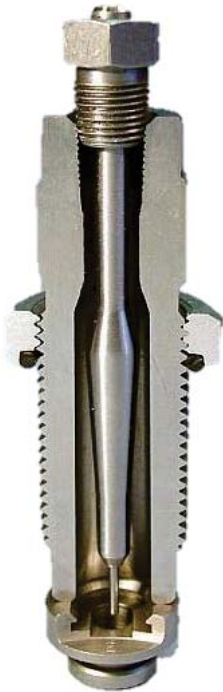
PaceSetter 3-Die Set

Easy Adjust Dead Length Bullet Seater

Full Length Sizer



Full Length Sizer Die



Factory Crimp Die (FCD)



Collet Die(Neck Sizer)



Load Data:

Some super sonic loadings from Nosler.

<http://www.nosler.com/300-aac-blackout/>

Hodgdon.

http://data.hodgdon.com/cartridge_load.asp (select rifle cartridge and then 300 AAC Blackout)

Lists loads using:

IMR 4227 (subs and supers)

W296 (subs and supers, however may not function some carbine systems with subs)

H110 (subs and supers, however may not function some carbine systems with subs)

Lil Gun (subs and supers, however may not function some carbine systems with subs)

Trail Boss (lightweight subs, will not function AR15)

IMR 4198 (heavy grain bullets, seems better in heavy subs)

H4198 (heavy grain bullets, seems better in heavy subs)

Accurate Powder

http://www accuratepowder.com/wp-content/uploads/2010/09/WesternLoadGuide1-2016_Web.pdf

This is the older page. Other than LT30, Data seems the same

http://www accuratepowder.com/wp-content/uploads/2010/09/WP_LoadSpec_7-2-13.pdf

look down to the 300 AAC Blackout on page 37

Lists loads for:

Ramshot Enforcer (supers only)

Accurate 4100 (supers only)

Accurate 5744, (subs and supers)

Accurate 1680 (subs and supers)

Sierra Load data:

<http://sierrabullets.files.wordpress.com/2013/07/300-aac-blackout.pdf>

This appears to be a retooling of the pages that Sierra had listed for the 300 whisper. but only supers up to 180gr

Here is the older Sierra 300 Whisper Load data sheet that includes data for heavy subsonic rounds.

<http://up.sur-la-toile.com/iFsk>

Lehigh Defense Load Data page

<http://www.lehighdefense.com/index.php/load-data>

[Lehigh defense 110gr controlled Chaos factory load](#)

[19.0gr of Ramshot Enforcer at a coal of 2.110 in Hornady or Jagemann brass](#)

The following are loads that Lehigh Defense recommends for the 194gr ME bullet. Velocities averaging 1,040fps(Sub) in most 16" guns using the 194gr ME bullet, Federal small rifle primer, and 2.200" COL:

A1680 - 11.0gr

IMR4227 - 9.5gr

H110 - 9.0gr

[With Subsonic Loads start 0.2gr higher and work down.](#)

Barnes black tip load

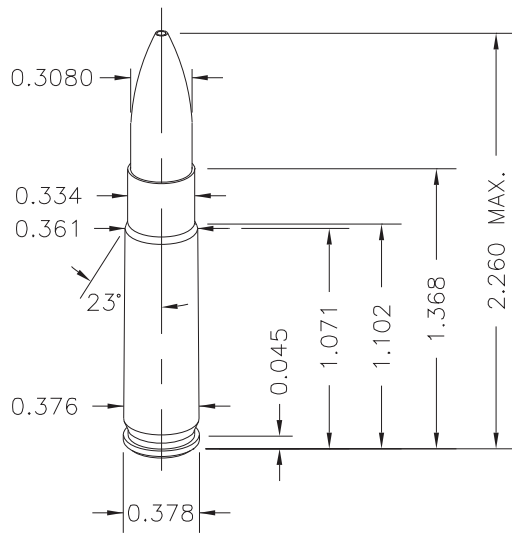
<http://www.barnesbullets.com/files/2016/03/300AACBlackoutV6ForWeb.pdf>

Some Load Data from quarterbore, via JD jones 300 whisper.

<http://www.quarterbore.com/300whisper/subsonic.html>

<http://www.quarterbore.com/300whisper/supersonic.html>

300 AAC Blackout (Medium Length Gas Tube)



Test Specifications/ Components

Firearm Used: CMMG

Barrel Length: 16"

Twist: 1 x 8"

Case: Remington

Trim-to Length: 1.363"

Primer: Rem 7 1/2

Remarks:

The 300 AAC Blackout (300 BLK, or 7.62x35mm) was created by Advanced Armament Corp. and Remington in order to provide the military with a way to shoot .30 caliber bullets from the M4 platform with only

a barrel change. It has since become popular for a wide range of uses including hunting and home defense.

The cartridge shares case-head dimensions and body taper with the .223 Remington. Not only does this allow for compatibility with existing magazines and bolts, but it allows reloaders to form their own brass from cut-down 5.56mm or .223 cases – ensuring brass supply even in the event of a shortage of factory brass.

The 300 AAC Blackout is a similar concept to previous wildcats, such as the 30-221 and 300 Fireball, as well as the proprietary 300 Whisper[®], except that 300 BLK was the first to be a SAAMI approved cartridge and any company is free to make firearms or ammunition.

300 AAC Blackout is also finding use with hunters, who may not have been able to legally hunt with .223 in their state, and who prefer .30 caliber bullets for medium-sized game. It provides similar effectiveness to the 7.62x39 or the slightly more powerful 30-30 cartridges except works in the more up-to-date AR15 platform. Effective range for hunting is about 100-150 yards.

300 AAC Blackout (Medium Length Gas Tube) continued

#2100 .308" 110 gr. RN Pro-Hunter
C.O.A.L. 1.845"



#2105 .308" 110 gr. FMJ Pro-Hunter
C.O.A.L. 1.845"



#2110 .308" 110 gr. HP Varminter
C.O.A.L. 1.970"



Powder↓/Velocity→	2150	2200	2250	2300	2350	2400	2450
A4100			17.5	18.0	18.5	19.0	
Lil Gun	16.0	16.5	17.0	17.5	18.0	18.5	
H110	17.8	18.2	18.7	19.1	19.6	20.0	20.5
H4227				20.3	20.6	20.9	
Energy/ft.lbs.	1129	1182	1236	1292	1349	1407	1466

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Lil Gun	16.0	2150	1129
Hunting Load	H110	20.5	2450	1466

#2120 .308" 125 gr. SPT Pro-Hunter
C.O.A.L. 2.000"



#2121 .308" 125 gr. HP MatchKing
C.O.A.L. 2.210"



Powder↓/Velocity→	1900	1950	2000	2050	2100	2150	2200
Lil Gun				15.7	16.2	16.7	17.2
H110				17.1	17.5	17.9	18.3
H4227	16.2	16.7	17.2	17.7	18.2	18.7	
Energy/ft.lbs.	1002	1056	1110	1166	1224	1283	1343

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	H4227	18.7	2150	1283
Hunting Load	Lil Gun	17.2	2200	1343

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 AAC Blackout (Medium Length Gas Tube) continued

#2123 .308" 135 gr. HPBT MatchKing
C.O.A.L. 2.090"



Powder↓/Velocity→	1850	1900	1950	2000	2050	2100	2150
H110					16.4	17.3	18.2
296					16.9	17.4	17.9
H4227				17.3	17.8	18.3	
A1680	19.1	19.7	20.3				

Energy/ft.lbs.	1026	1082	1140	1199	1260	1322	1385
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	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	H110	18.2	2150	1385

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 AAC Blackout (Medium Length Gas Tube) continued

#2115 .308" 150 gr. FMJBT GameKing
C.O.A.L. 2.040"



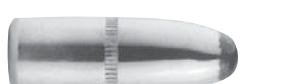
#2125 .308" 150 gr. SBT GameKing
C.O.A.L. 2.105"



#2130 .308" 150 gr. SPT Pro-Hunter
C.O.A.L. 2.105"



#2135 .308" 150 gr. RN Pro-Hunter
C.O.A.L. 1.855"



#2190 .308" 150 gr. HPBT MatchKing
C.O.A.L. 2.105"



#2155 .308" 155 gr. HPBT MatchKing
C.O.A.L. 2.105"



**#2156 .308" 155 gr. HPBT
MatchKing Palma**
C.O.A.L. 2.178"



Powder↓/Velocity→	1750	1800	1850	1900	1950	2000
Lil Gun				14.8	15.5	16.2
A5744	16.2	16.8	17.4			
H4227		16.0	16.5	17.0	17.5	
A1680	18.2	18.7	19.2	19.7		
Energy/ft.lbs.	1054	1115	1178	1243	1309	1377

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	H4227	17.5	1950	1309
Hunting Load	H4227	17.5	1950	1309

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 AAC Blackout (Medium Length Gas Tube) continued

#2140 .308" 165 gr. HPBT GameKing
"C.O.A.L. 2.005"



#2145 .308" 165 gr. SBT GameKing
C.O.A.L. 2.105"



#2200 .308" 168 gr. HPBT MatchKing
C.O.A.L. 2.105"



Powder↓/Velocity→	1600	1650	1700	1750	1800
N120	15.8	16.3	16.8	17.3	17.8
A1680	16.7	17.2	17.7	18.2	18.7
RE-7	16.6	17.1	17.6	18.1	
Energy/ft.lbs.	955	1016	1078	1143	1209

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	N120	17.3	1750	1143
Hunting Load	N120	17.8	1800	1209

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 AAC Blackout (Medium Length Gas Tube) continued

#2275 .308" 175 gr. HPBT MatchKing
C.O.A.L. 2.105"



#2150 .308" 180 gr. SPT Pro-Hunter
C.O.A.L. 2.105"



#2160 .308" 180 gr. SBT GameKing
C.O.A.L. 2.105"



#2220 .308" 180 gr. HPBT MatchKing
C.O.A.L. 2.105"



Powder↓/Velocity→	1350	1400	1450	1500	1550	1600	1650
N120		14.0	14.5	15.0	15.6	16.1	16.6
H4198	14.6	15.1	15.6	16.1	16.6	17.1	
A1680	14.0	14.5	15.0	15.5	16.1	16.6	17.1
Energy/ft.lbs.	728	783	840	899	960	1023	1088

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	H4198	17.1	1600	1023
Hunting Load	H4198	17.1	1600	1023

Sierra does not recommend MatchKing bullets for hunting applications.

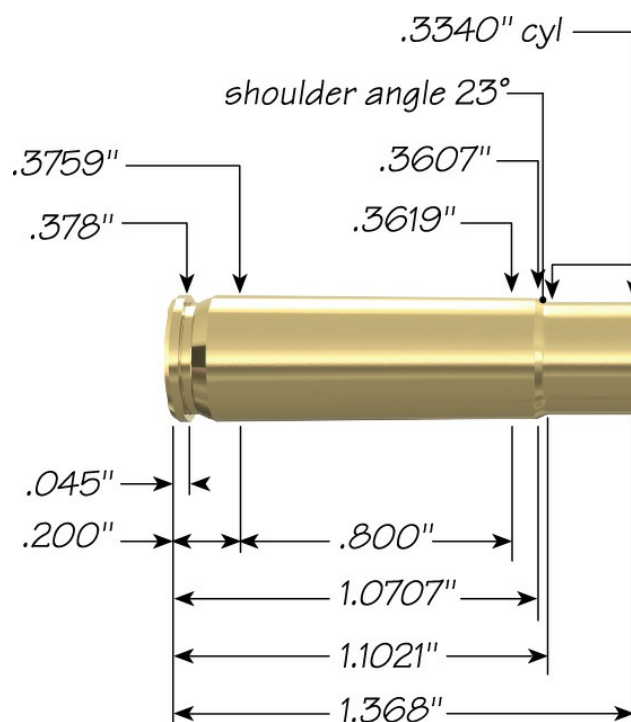
INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 AAC Blackout with 150 gr Spitzer BTSP



Max Case Length:	1.368"
Trim-to Length:	1.358"
Max Cart. OAL:	2.260"
RCBS Shell Holder:	# 10
Test Firearm:	Universal Receiver
Barrel Length:	16"



30		Speer Part No.	Weight, grains	COAL Tested	Ballistic Coefficient	Sectional Density
	150 gr Grand Slam® SP/CANN	2026	150	2.190	.295	.226
	150 gr SPFN Hot-Cor®	2011	150	2.190	.255	.226
	150 gr Spitzer BTSP	2022	150	2.190	.417	.226
	150 gr Spitzer SP Hot-Cor®	2023	150	2.190	.377	.226

Propellant	Cartridge Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Grain	Velocity (ft/sec)	Grain	Velocity (ft/sec)
Accurate 5744		Federal 205	17.5	1829	18.7C	1967
Accurate No. 9		Federal 205	13.0	1763	14.0	1845
Alliant Power Pro 300-MP		Federal 205	17.3	1885	19.2	2068

Hodgdon Lil'Gun	Federal 205	18.2 START	2012 CHARGE	20.0C MAXIMUM	2157 CHARGE
IMR 4227	Federal 205	16.7	1823	18.5C	1991
Ramshot Enforcer	Federal 205	15.5	1848	17.2	1999
Vhtavuori N110	Federal 205	15.0	1830	16.5C	1955
Vhtavuori N120	Federal 205	18.1C	1860	19.0C	1947
Winchester 296	Federal 205	16.7	1894	18.4	2049
Lab Notes					

speer-ammo.com

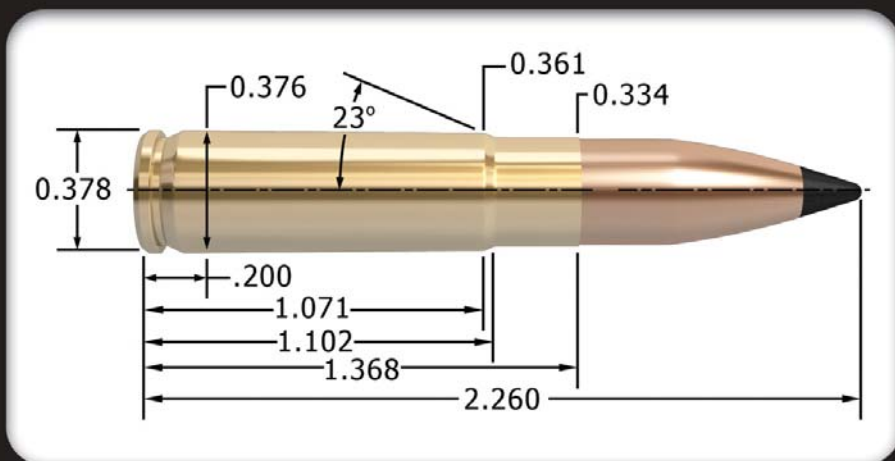
CARTRIDGE

300 AAC Blackout 110 grain

Version 7.0

Nosler®

UP FRONT



BULLET:

MAXIMUM S.A.A.M.I. O.A.C.L. **2.260"**

TESTED O.A.C.L. **B.C. S.D.**

Varmageddon™ 110gr. Spitzer 2.025" 0.293 0.166

CASE TYPE:	Hornady		PRIMER TYPE	WSR
CASE HOLDS:	19.2	Gr. WATER	BARREL Length/Make	16" Pac-Nor
			BARREL Twist	1-8"

POWDER TYPE	POWDER CHG. GRS.	MUZZLE VEL. F.P.S.	LOAD DENSITY (VOLUME)
IMR 4227	19.0 MAX.	2138	** 116%
	18.0	2059	** 110%
	17.0 *	1981	** 104%
H110	19.0 MAX.	2249	100%
	18.0	2187	95%
	17.0 *	2121	90%
W296 Most Accurate Powder Tested	19.5 * MAX.	2291	** 104%
	18.5	2215	98%
	17.5	2141	93%
Lil'Gun	20.0 * MAX.	2296	** 110%
	19.0	2225	** 104%
	18.0	2155	99%

All cartridge measurements are SAAMI maximum and due to variations from manufacturers actual measurements may vary
 "Because Nosler, Inc. has no control over the actual components selected, the manner in which they are assembled or the condition of the firearm used, no responsibility, either expressed or implied is assumed for the use of this data.
 In no event shall Nosler, Inc. be liable for any damages resulting from the use of this data."

* = Most accurate load tested

** = Compressed load

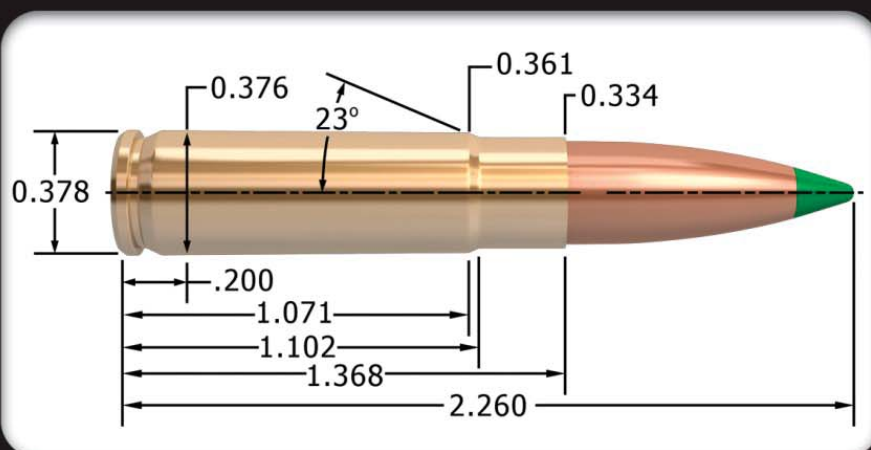
CARTRIDGE

300 AAC Blackout 125 grain

Version 7.0

Nosler[®]

UP FRONT



BULLET:

MAXIMUM S.A.A.M.I. O.A.C.L. **2.260"**

TESTED O.A.C.L. B.C. S.D.

AccuBond [®]	125gr. Spitzer	2.060"	0.366	0.188
Ballistic Tip [®]	125gr. Spitzer	2.060"	0.366	0.188

CASE TYPE:	Hornady	PRIMER TYPE	WSR
CASE HOLDS:	17.5 Gr. WATER	BARREL Length/Make	16" Pac-Nor
		BARREL Twist	1-8"

POWDER TYPE	POWDER CHG. GRS.	MUZZLE VEL. F.P.S.	LOAD DENSITY (VOLUME)
IMR 4227	18.0 * MAX.	2003	** 120%
	17.0	1927	** 114%
	16.0	1845	** 107%
W296 Most Accurate Powder Tested	17.5 * MAX.	2128	** 102%
	16.5	2034	96%
	15.5	1944	90%
Lil'Gun	18.0 * MAX.	2151	** 108%
	17.0	2108	** 102%
	16.0	2067	96%
H110	18.0 * MAX.	2159	** 104%
	17.0	2065	99%
	16.0	1975	93%

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* = Most accurate load tested

** = Compressed load

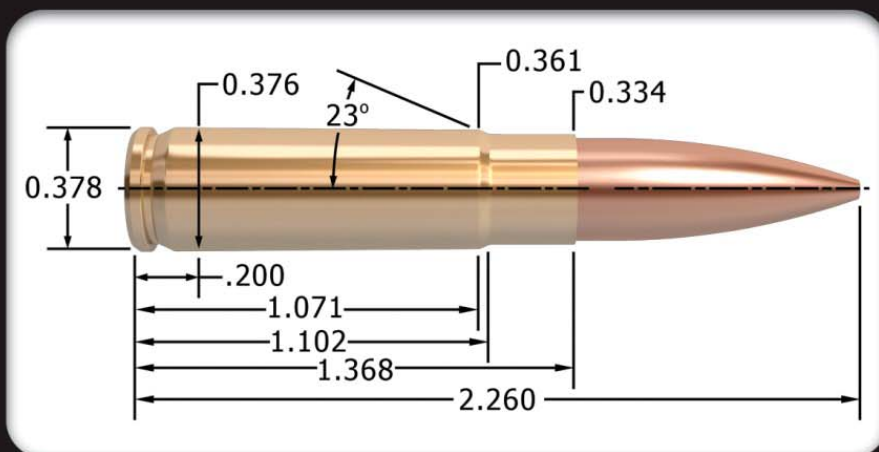
CARTRIDGE

300 AAC Blackout 140 grain

Version 7.0

Nosler®

UP FRONT



BULLET:

MAXIMUM S.A.A.M.I. O.A.C.L. 2.260"

TESTED O.A.C.L. B.C. S.D.

Custom Competition™	140gr. HPBT	1.890"	0.396	0.211
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CASE TYPE:	Hornady		PRIMER TYPE	WSR
CASE HOLDS:	16.2	Gr. WATER	BARREL Length/Make	16" Pac-Nor
			BARREL Twist	1-8"

POWDER TYPE	POWDER CHG. GRS.	MUZZLE VEL. F.P.S.	LOAD DENSITY (VOLUME)
IMR 4227 Most Accurate Powder Tested	16.5 MAX.	1859	** 119%
	15.5 *	1784	** 112%
	14.5	1711	** 105%
H110	16.0 MAX.	1977	100%
	15.0	1880	94%
	14.0 *	1786	88%
W296	16.0 MAX.	2003	** 101%
	15.0 *	1888	94%
	14.0	1777	88%
Lil'Gun	16.5 MAX.	2032	** 107%
	15.5	1938	** 101%
	14.5 *	1847	94%

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* = Most accurate load tested

** = Compressed load



Hodgdon Powder Company

Cartridge Load Recipe Report - 1/24/2014
data.hodgdon.com

300 AAC Blackout

Load Type: Rifle

Cartridge Information

Case: Remington
Twist: 1:8"
Primer: Remington 7 1/2, Small Rifle Magnum
Barrel Length: 16"
Trim Length: 1.363"

300 AAC Blackout Cartridge Load Data

				Starting Loads			Maximum Loads		
Bullet Weight (Gr.)	Powder	Bullet Diam.	C.O.L.	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
110 GR. HDY V-MAX	IMR 4227	.308"	2.040"	17.6	1942	36,500 CUP	19.5C	2130	46,700 CUP
110 GR. HDY V-MAX	296	.308"	2.040"	18.8	2259	40,600 CUP	20.0	2382	50,600 CUP
110 GR. HDY V-MAX	H110	.308"	2.040"	18.8	2259	40,600 CUP	20.0	2382	50,600 CUP
110 GR. HDY V-MAX	Lil'Gun	.308"	2.040"	18.9	2248	31,000 CUP	20.0	2388	37,600 CUP
110 GR. HDY V-MAX	Trail Boss	.308"	2.040"	4.5	880	21,900 CUP	6.3	1046	20,200 CUP
115 GR. BER TGT FB	IMR 4227	.308"	2.050"	17.6	1934	36,800 CUP	19.5C	2110	47,000 CUP
115 GR. BER TGT FB	296	.308"	2.050"	18.8	2220	39,300 CUP	20.0	2348	50,800 CUP
115 GR. BER TGT FB	H110	.308"	2.050"	18.8	2220	39,300 CUP	20.0	2348	50,800 CUP
115 GR. BER TGT FB	Lil'Gun	.308"	2.050"	18.9	2235	32,600 CUP	20.5	2393	39,900 CUP
115 GR. BER TGT FB	Trail Boss	.308"	2.050"	4.5	894	23,200 CUP	6.3	1044	19,900 CUP
125 GR. NOS BT	IMR 4227	.308"	2.060"	16.5	1818	38,000 CUP	17.7C	1965	49,800 CUP
125 GR. NOS BT	296	.308"	2.060"	16.7	2020	40,200 CUP	17.8	2118	48,800 CUP
125 GR. NOS BT	H110	.308"	2.060"	16.7	2020	40,200 CUP	17.8	2118	48,800 CUP
125 GR. NOS BT	Lil'Gun	.308"	2.060"	16.9	2086	35,900 CUP	18.0	2185	40,800 CUP
130 GR. SPR HP	IMR 4227	.308"	2.005"	18.0	1902	41,900 cup	19.2	2008	47,600 CUP
130 GR. SPR HP	296	.308"	2.005"	17.9	2056	40,400 CUP	19.0	2155	48,400 CUP
130 GR. SPR HP	H110	.308"	2.005"	17.9	2056	40,400 CUP	19.0	2155	48,400 CUP
130 GR. SPR HP	Lil'Gun	.308"	2.005"	18.3	2073	37,700 CUP	19.5	2213	41,900 CUP
135 GR. SIE HPBT	IMR 4227	.308"	2.120"	17.1	1818	39,700 CUP	18.2	1960	47,600 CUP
135 GR. SIE HPBT	296	.308"	2.120"	17.3	2010	43,100 CUP	18.4	2109	51,200 CUP
135 GR. SIE HPBT	H110	.308"	2.120"	17.3	2010	43,100 CUP	18.4	2109	51,200 CUP
135 GR. SIE HPBT	Lil'Gun	.308"	2.120"	16.5	2017	37,800 CUP	18.0	2127	43,200 CUP
140 GR. NOS HPBT	IMR 4227	.308"	2.055"	16.9	1842	40,900 CUP	18.2C	1981	50,500 CUP
140 GR. NOS HPBT	296	.308"	2.055"	16.4	1951	42,200 CUP	17.4	2047	49,900 CUP
140 GR. NOS HPBT	H110	.308"	2.055"	16.4	1951	42,200 CUP	17.4	2047	49,900 CUP
140 GR. NOS HPBT	Lil'Gun	.308"	2.055"	16.0	2014	40,600 CUP	17.3	2122	47,400 CUP
150 GR. HDY IB	IMR 4227	.308"	2.235"	16.5	1785	41,800 CUP	17.8	1908	50,200 CUP
150 GR. HDY IB	296	.308"	2.235"	15.0	1785	38,000 CUP	16.2	1901	47,700 CUP
150 GR. HDY IB	H110	.308"	2.235"	15.0	1785	38,000 CUP	16.2	1901	47,700 CUP
150 GR. HDY IB	Lil'Gun	.308"	2.235"	13.9	1813	39,200 CUP	15.2	1932	46,100 CUP
168 GR. HDY BTHP	IMR 4227	.308"	2.230"	15.8	1672	41,500 CUP	16.9	1765	47,500 CUP
168 GR. HDY BTHP	296	.308"	2.230"	14.3	1659	38,400 CUP	15.3	1749	47,700 CUP
168 GR. HDY BTHP	H110	.308"	2.230"	14.3	1659	38,400 CUP	15.3	1749	47,700 CUP
168 GR. HDY BTHP	Lil'Gun	.308"	2.230"	13.8	1737	43,300 CUP	14.8	1811	47,400 CUP
175 GR. SIE HPBT	IMR 4227	.308"	2.215"	15.7	1639	41,400 CUP	16.7	1709	48,200 CUP
175 GR. SIE HPBT	296	.308"	2.215"	14.5	1640	39,800 CUP	15.3	1718	47,600 CUP
175 GR. SIE HPBT	H110	.308"	2.215"	14.5	1640	39,800 CUP	15.3	1718	47,600 CUP
175 GR. SIE HPBT	Lil'Gun	.308"	2.215"	13.5	1681	41,800 CUP	14.5	1768	47,700 CUP
180 GR. SPR SP	IMR 4198	.308"	2.210"	15.5	1435	23,900 CUP	16.5C	1557	30,900 CUP
180 GR. SPR SP	H4198	.308"	2.210"	15.9	1464	23,500 CUP	16.9C	1578	29,200 CUP
180 GR. SPR SP	IMR 4227	.308"	2.210"	15.0	1497	34,900 CUP	16.4	1662	47,700 CUP

180 GR. SPR SP	296	.308"	2.210"	13.5	1511	38,600 CUP	14.5	1631	49,400 CUP
180 GR. SPR SP	H110	.308"	2.210"	13.5	1511	38,600 CUP	14.5	1631	49,400 CUP
180 GR. SPR SP	Lil'Gun	.308"	2.210"	13.0	1619	42,400 CUP	14.0	1693	46,300 CUP
208 GR. HDY A-MAX	IMR 4198	.308"	2.260"				11.0	1052	20,200 CUP
208 GR. HDY A-MAX	H4198	.308"	2.260"				11.2	1042	18,800 CUP
208 GR. HDY A-MAX	IMR 4227	.308"	2.260"				10.3	1073	24,500 CUP
208 GR. HDY A-MAX	296	.308"	2.260"				9.4	1066	20,100 CUP
208 GR. HDY A-MAX	H110	.308"	2.260"				9.4	1066	20,100 CUP
208 GR. HDY A-MAX	Lil'Gun	.308"	2.260"				8.3	1047	19,400 CUP
220 GR. SIE HPBT	IMR 4198	.308"	2.260"				11.5	1036	25,300 CUP
220 GR. SIE HPBT	H4198	.308"	2.260"				11.5	1068	25,600 CUP
220 GR. SIE HPBT	IMR 4227	.308"	2.260"				10.5	1044	28,800 CUP
220 GR. SIE HPBT	296	.308"	2.260"				9.9	1050	29,700 CUP
220 GR. SIE HPBT	H110	.308"	2.260"				9.9	1050	29,700 CUP
220 GR. SIE HPBT	Lil'Gun	.308"	2.260"				9.0	1077	31,100 CUP
230 GR. BER TACT	IMR 4227	.308"	2.260"				10.2	1065	37,100 CUP
230 GR. BER TACT	296	.308"	2.260"				9.5	1085	34,500 CUP
230 GR. BER TACT	H110	.308"	2.260"				9.5	1085	34,500 CUP
230 GR. BER TACT	Lil'Gun	.308"	2.260"				8.7	1077	28,900 CUP

NEVER EXCEED MAXIMUM LOADS

300 AAC BLACKOUT

Barrel: 16" | Twist: 1-10" | Primer: WIN WSR | Bullet Diameter .308"

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (Fps)	Max Load (Grains)	Max Velocity (Fps)	Max Pressure (Psi)	COL (Inches)
Ramshot Enforcer								
110	HDY	V-MAX	17.4	2,182	19.3	2,362	54,472	2.068
110	SIERRA	FMJ	17.5	2,191	19.4	2,358	54,293	1.850
125	NOSLER	B-TIP	16.5	2,048	18.4	2,224	54,680	2.165
125	SIERRA	SPT	17.2	2,072	19.1	2,246	54,500	2.035
150	SIERRA	HPBT MK	15.3	1,851	17.0	2,012	54,635	2.150
150	SIERRA	FMJBT	15.1	1,817	16.7	1,970	54,981	2.140
155	SIERRA	HPBT MK	14.4	1,757	16.0	1,905	52,917	2.190
Accurate 4100								
110	HDY	V-MAX	17.4	2,182	19.3	2,362	54,472	2.068
110	SIERRA	FMJ	17.5	2,191	19.4	2,358	54,293	1.850
125	NOSLER	B-TIP	16.5	2,048	18.4	2,224	54,680	2.165
125	SIERRA	SPT	17.2	2,072	19.1	2,246	54,500	2.035
130	BARNES	T-TSX	14.4	1,808	16.0	1,998	54,852	2.065
150	SIERRA	HPBT MK	15.3	1,851	17.0	2,012	54,635	2.150
150	SIERRA	FMJ	15.1	1,817	16.7	1,970	54,981	2.140
155	SIERRA	HPBT MK	14.4	1,757	16.0	1,905	52,917	2.190
Accurate 5744								
125	NOSLER	B-TIP	18.9	1,984	21.0	2,207	51,979	2.165
130	BARNES	T-TSX	16.7	1,718	18.5	1,940	50,574	2.065
150	SIERRA	HPBT MK	17.8	1,862	19.8	2,073	54,951	2.150
150	SIERRA	FMJBT	17.8	1,848	19.9	2,053	54,993	2.140
155	SIERRA	HPBT MK	17.0	1,778	18.8	1,982	52,503	2.190
168	SIERRA	HPBT MK	16.7	1,694	18.5	1,897	54,161	2.200
175	SIERRA	HPBT MK	16.5	1,679	18.4	1,868	54,992	2.215
210	BERGER	BTTLR	13.6	1,382	15.1	1,552	53,587	2.245
210	SIERRA	HPBT MK	12.5	1,280	13.9	1,453	53,656	2.170
220	SIERRA	HPBT MK	10.9	1,085	11.4	1,216	42,598	2.089
230	BERGER	THOTM	10.9	1,106	11.7	1,219	43,574	2.245
Accurate 1680								
125	NOSLER	B-TIP	19.4	1,925	21.5	2,126	39,257	2.165
130	BARNES	T-TSX	17.0	1,704	18.9	1,923	44,632	2.065
150	SIERRA	HPBT MK	19.4	1,895	21.6	2,086	51,553	2.150
150	SIERRA	FMJBT	19.5	1,877	21.7	2,057	54,564	2.140
155	SIERRA	HPBT MK	18.6	1,817	20.7	2,010	49,099	2.190
168	SIERRA	HPBT MK	17.8	1,667	19.7	1,840	54,268	2.200
175	SIERRA	HPBT MK	17.7	1,637	19.7	1,801	54,855	2.215
210	BERGER	BTTLR	14.4	1,403	16.0	1,582	54,216	2.245
210	SIERRA	HPBT MK	12.9	1,308	14.4	1,458	50,189	2.170
220	SIERRA	HPBT MK	10.9	1,085	12.0	1,263	40,075	2.089
230	BERGER	THOTM	10.9	1,106	12.7	1,288	46,157	2.245

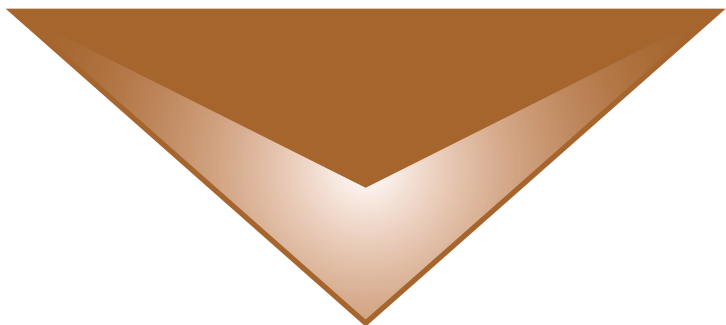
300 AAC BLACKOUT (Subsonic Loads)

Barrel: 16" | Twist: 1-10" | Primer: WIN WSR | Bullet Diameter .308"

Accurate 5744								
210	BERGER	BTTLR	11.2	1,102			27,489	2.245
210	SIERRA	HPBT MK	11.0	1,092			32,821	2.170
220	SIERRA	HPBT MK	10.7	1,081			37,267	2.089
230	BERGER	THOTM	11.0	1,106			37,882	2.245
Accurate 1680								
210	BERGER	BTTLR	11.7	1,104			23,796	2.245
210	SIERRA	HPBT MKL	10.9	1,089			26,589	2.170
220	SIERRA	HPBT MK	10.9	1,085			32,296	2.089
230	BERGER	THOTM	10.9	1,106			33,056	2.245

300 AAC Blackout

Case: Remington	Primer: Federal 205
Case Trim: 1.358"	Barrel Length: 16"
Twist Rate: 1:8"	Barrel: Krieger



Maximum Loads Should Be Used With Caution - Always Start With Minimum Loads.

**Recommended Powder*

[°] Compressed Load

300 AAC Blackout



110-grain TAC-TX FB

Sectional Density .166

Ballistic Coefficient .289

C.O.A.L 2.250"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
Enforcer	15.4	2039	17.1 ^c	2200
*Lil'Gun	17.5	2206	19.4 ^c	2349
IMR 4227	16.1	2017	17.8	2162
PowerPro 300-MP	17.5	2075	19.5	2256
A-5744	17.6	1919	19.6 ^c	2117
H110	18.2	2213	20.2	2415



120-grain TAC-TX BT

Sectional Density .181

Ballistic Coefficient .358

C.O.A.L 2.250"



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
H110	16.5	1980	17.5	2150

Maximum Loads Should Be Used With Caution - Always Start With Minimum Loads.

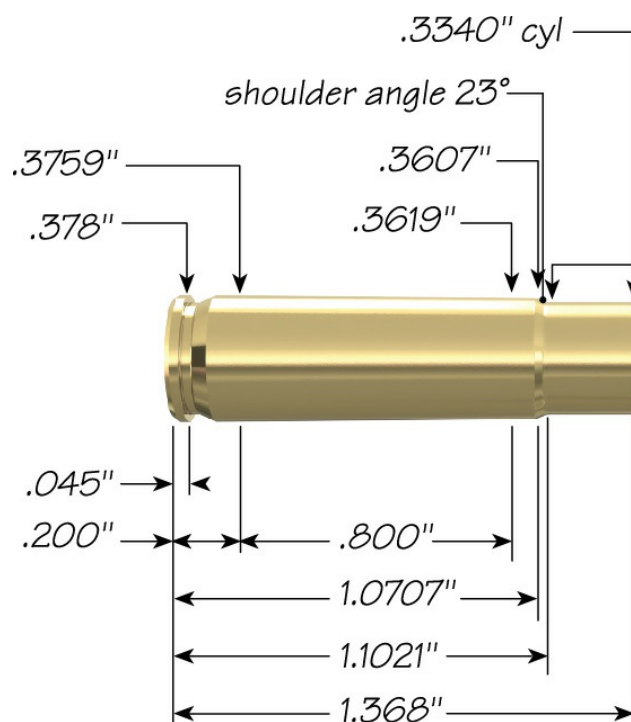
**Recommended Powder*

^c Compressed Load

300 AAC Blackout with 150 gr Gold-Dot®



Max Case Length:	1.368"
Trim-to Length:	1.358"
Max Cart. OAL:	2.260"
RCBS Shell Holder:	# 10
Test Firearm:	Universal Receiver
Barrel Length:	16"



30	Speer Part No.	Weight, grains	COAL Tested	Ballistic Coefficient	Sectional Density	
	150 gr Gold-Dot®	308150BLKGDB	150	2.180	.463	.226

Propellant	Cartridge Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Grain	Velocity(ft/sec)	Grain	Velocity(ft/sec)
Accurate 1680		Federal 205	20.5	1785	22.0C	1934
Accurate 5744		Federal 205	18.0	1828	20.0C	2031
Accurate No. 9		Federal 205	12.7	1671	14.1	1818
Alliant Power Pro 300-MP		Federal 205	17.2	1786	19.0	1960
Hodgdon H110		Federal 205	16.0	1771	17.8	1915
Hodgdon Lil'Gun		Federal 205	19.6	2019	21.0C	2154
IMR 4227		Federal 205	17.2	1746	18.8C	1922
Ramshot Enforcer		Federal 205	15.5	1792	17.1	1932

Vhtavuori N110	Federal 205	START CHARGE		MAXIMUM CHARGE	
		15.1	1805	16.8C	1960
Vhtavuori N120	Federal 205	18.0	1737	19.5C	1894
Lab Notes					

speer-ammo.com



(/en/)

Reloading Data (/en/reloading-data/rifle-reloading/rifle-reloading-data.html) » Rifle reloading (/en/reloading-data/rifle-reloading/rifle-reloading-data.html) » .300 AAC Blackout

.300 AAC Blackout

Test barrel: 356 mm (14”), 1 in 8” twistt

Primers: Small Rifle

Cases: Lapua 221 Rem. Fireball, trim-to length 34,60 mm (1.362”)

Bullet						Powder	Starting load				Maximum load			
Weight		Type	Mfg	C.O.L		Type	Weight		Velocity		Weight		Velocity	
[g]	[grs]			[mm]	[in.]		[g]	[grs]	[m/s]	[fps]	[g]	[grs]	[m/s]	[fps]
8,0	123	FMJ	Lapua	50,2	1,976	N105	0,67	10,3	480	1575	0,77	11,9	541	1775
						N110	0,94	14,5	566	1857	1,03	15,9	607	1991
13,0	200	FMJBT	Lapua	57,0	2,244	N110	0,54	8,3	319	1047	0,79	12,2	436	1430
						N120	0,66	10,2	316	1037	1,02	15,7	459	1506

300 AAC Blackout load data Pet Loads

Case	Primer	Powder	Charge	Bullet & weight	OAL	Barrel Leangth	Cycles Y/N	FPS	Can
221	rem 7.5	A1680	10.5	SMK 220	/	9	y	/	y
/	/	H110	14-14.5	tracer 147	2.090	9	y	/	n
/	/	unique	5.6-6.5	220	/	16	n	/	n
/	/	IMR 4227	9.5	208 Amax	/	/	/	1000	/
/	/	lil gun	< 19	110gr 30 carbine	1.780	/	/	/	/
		unique	<6	150 FMJ	/	16	/		
WCC	CCI 400	lil gun	7.1	150 FMJ Flat point	2.050	16	50%	1015	n
/	/	IMR 4198	10.0	125 sierra spitzer		9	y	1050	y
/	/	H110	18.0	125 sierra spitzer		9	y	2050	y
LC	CCI 400	H110	16.5	150 rem SP	2.200	/	/	/	/
300 blk	rem	IMR4227	10.0	220 hor RN-SP		9	y		y
/	rem 7.5	H110	17.5	125 nosler	2.076	8	y	/	/
/	/	H110	15.7	hersters 150 SP -FB	/	/	y	/	n
/	/	H 4198	10.0	125 sierra spitzer		9	y	1050	y
LC	Rem	A1680	10.7	220 sierra	2.090	10	y	950	n
LC	rem	vvn110	15.0	150 fmj-bt	2.090	10	Y	1750	N
/	/	IMR 4227	18.0	100 Lupa hpce	/	16	y	/	/
/	rem 7.5	w296	19.0	110 V-max	1.985	10	y	2244	y
/	rem 7.5	A1680	11.0	150 MPG barnes	2.005	10	y	973	y
/	rem 7.5	A1680	11.2	220 smk	2.089	10	y	1066	y
/	rem 7.5	A1680	11.6	240 smk	2.089	10	y	1039	y
/	/	H110	18.0	130 TTSX	2.160	16	/	/	/
/	/	A1680	18.0	175 SMK	2.059	10.3	y	1700	Y
/	/	H110/N110	20.0	125-130 horn SP	2.040	/	y	2280	/
/	/	A1680	20.0	150 corlok and sim	2.075	/	y	1945	/
/	/	H110/N110	16.5	"	"	/	y	1975	/
/	/	R 7	18.2	"	"	/	y	1890	/
/	/	H110/N110	13.2	180 AP, Nosler BT	2.090	/	y	/	/
/	/	IMR 4895	15.8	"	"	/	y	1040	/
/	/	A1680	16.5	"	"	/	y	1650	/
/	/	R 7	10.3	208 amax/210 SMK	2.095	/	y	1050	/
/	/	R 7	15.2	"	"	/	y	1410	/
/	/	IMR4227	9.5	"	"		y	1050	
/	/	IMR4895	14.2	"	"		Y	1025	
/	/	IMR4198	10.0	"	"		y	1040	
/	/	A1680	10.8	"	"		y	1045	
/	/	R 7	10.2	220 SMK	2.100		y	1050	
		R 7	14.9	"	"		y	1390	
		IMR4227	9.3	"	"		y	1055	
		IMR4895	14.1	"	"		y	1025	
		IMR4198	10.0	"	"		y	1040	
		A1680	10.7	"	"		y	1045	
		unique	5.6		2.500		n	1035	
rem	CCI 400	H110	15.0	147 FMJ-BT	2.090		y		
rem	fed 205	H110	15.7	168 SMK	2.160		y	1700	
/	/	A1680	21.0	147 FMJ-BT	2.190		y		
/	WSR	w296	20.0	110 TSX FB	2.040		y	2369	
/	WSR	n110	17.0	110 V max	2.100		y	2071	
/	cci 400	h110	18.5	110 sierra HP	1.935		y	2282	
/	cci 400	A1680	20.0	125 nosler BT	2.050		y	1946	
/	WSR	AA4100	17.0	125 nosler BT	2.050		y	2211	
	CCI 400	AA-9	16.0	125speer TNT	2.000		y	2099	
	wsr	alliant 2400	17.0	125sierra SP	2.000		y	2053	
	CCI 400	pp-300mp	18.0	125sierra SP	2.000		y	2116	
	wsr	lil gun	19.0	130 tsx-bt	2.040		y	2203	
	CCI 400	h110	18.0	135 SMK	2.020		y	2100	
	WSR	lil gun	17.0	140 mono flex	1.942		y	1855	
	CCI 400	pp-300mp	17.0	150 speer GS	2.050		y	1901	
	WSR	lil gun	15.5	150 Speer Mag Tp	1.957		y	1807	
	WSR	IMR4227	17.0	155 sierra plm Hpbt	2.055		y	1805	
	WSR	lil gun	15.0	180 SST	2.098		y	1720	
	CCI 400	n110	11.0	208 A max	2.200		y	1295	

EXPERIMENTAL LOAD DATA

300 AAC Blackout (7.62 x 35 mm) (300 BLK)

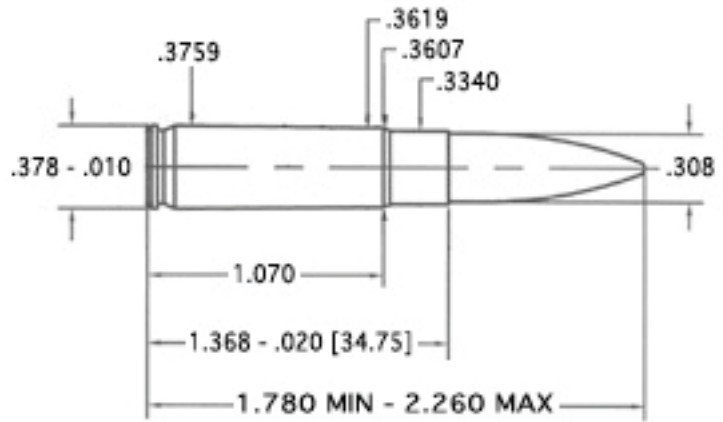
Objectives of the 300 AAC Blackout cartridge include:

- Create a reliable, compact 30 caliber solution for the AR platform
- Utilize existing magazines while retaining their full capacity
- Create the optimal platform for sound and flash suppressed fire
- Create compatible full power ammunition matching the 7.62x39 ballistics
- Work with subsonic and full power ammunition without requiring adjustable gas blocks
- Provide the ability to penetrate barriers with high-mass projectiles
- Provide all capabilities in a lightweight, durable, low recoiling package

The cartridge uses the same bolt, bolt carrier, receiver and standard magazines as for the AR-15/M-16/M-4. Previous cartridges proved the dimensions and performance, including the 300 Whisper, 300 Fireball and 300-221.

Cartridge cases can be formed from existing .223 cases, by cutting on a bandsaw, trimming and full-length sizing.

NOTE: Heavy 200 to 240 gr. bullets should be seated to proper length for Ogive-Magazine mating, 2.200" OAL or less.



110 gr. Hornady V-Max

BC: 0.290

2.065" min OAL

SD: 0.166

Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	18.8	-	-	20.0	2382	-
WIN 296	17.2	-	-	20.3	2260	-
IMR4227	17.6	-	-	19.5	2130	-
Enforcer	17.4	2182	-	19.3	2362	-
Trail Boss	4.5	-	-	6.3	1046	-
2400	14.1	-	-	17.1	-	-



115 gr. Berger HP Flat Base

BC: 0.296

2.070" min OAL

SD: 0.172

Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	18.8	-	-	20.0	2348	-
Lil Gun	18.9	-	-	20.5	2393	-
IMR4227	17.6	-	-	19.5	2110	-
Enforcer	17.2	2072	-	19.1	2246	54500
Trail Boss	4.5	-	-	6.3	1044	-
WIN 296	18.8	-	-	20.0	2348	-



125 gr. Nosler BT, Speer TNT JHP

BC: 0.366

2.075" min OAL

SD: 0.188

Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	16.3	1800	-	17.8	2118	-
Lil Gun	16.9	-	-	18.0	2185	-
IMR4227	16.5	-	-	17.7	1965	-
Enforcer	16.5	2048	-	18.4	2224	54680
A5744	18.9	1984	-	21.0	2207	51979
A1680	19.4	1935	-	21.5	2126	39257



130 gr. Barnes T-TSX

BC: 0.350

2.075" min OAL

SD: 0.196

Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	17.9	-	-	19.0	2155	-
Lil Gun	18.3	-	-	19.5	2213	-
IMR4227	18.0	-	-	19.2	2008	-
Enforcer	14.4	1808	-	16.0	1998	54852
A5744	16.7	1718	-	18.5	1940	50574
A1680	17.0	1704	-	18.9	1923	44632

(7.62 x 35 mm) (300 BLK)

300 AAC Blackout



135 gr. Sierra Jacketed SP

2.090" min OAL

BC: 0.390

SD: 0.203

Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	17.3	-	-	18.4	2109	-
Lil Gun	16.5	-	-	18.0	2127	-
IMR4227	17.1	-	-	18.2	1960	-
Enforcer	15.3	1850	-	17.0	2010	54715
A5744	17.8	1860	-	19.5	2050	54950
A1680	19.4	1895	-	21.5	2085	51650



150 gr. Sierra HPBT Match King

2.095" min OAL

BC: 0.417

SD: 0.226

Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	13.8	1500	-	17.0	1800	-
A5744	17.8	1862	-	19.8	2073	54951
IMR4227						
Enforcer	15.3	1851	-	17.0	2012	54635
A1680	19.4	1895	-	21.6	2086	51553
Lil Gun	8.8	1103	-	15.6	1715	-



165 gr. Sierra Spitzer BT

2.195" min OAL

BC: 0.404

SD: 0.248

Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	13.4	1500	-	15.6	1650	-
Lil Gun	8.8	1080	-	10.2		
IMR4227						
A5744	16.7	1695	-	18.5	1895	54120
A1680	14.3	1300	-	19.7	1840	54268



208 gr. Hornady A-Max

2.200" OAL

BC: 0.648

SD: 0.313

Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	10.7	1100	-	13.2	1350	-
Lil Gun	9.0	1025	-	10.2		
IMR4227	10.5	1010	-	10.5	1010	-
A5744	12.5	1280	-	13.9	1455	53750
		subsonic		11.0	1092	32850
A1680	12.6	1100	-	14.4	1458	50200
		subsonic		10.9	1089	26589



220 gr. Sierra HPBT Match King

2.190" OAL

BC: 0.629

SD: 0.331

Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	9.9	1050	-	9.9	1050	-
Lil Gun	8.7	1015	-	9.9	-	-
IMR4227	10.5	-	1014	10.5	1014	-
A5744	10.7	1081	37267	11.4	1216	42598
A1680	10.9	1085	32296	12.0	1263	40075
H4198	11.5	1036	-	11.5	1036	-



240 gr. Sierra HPBT Match King

2.185" OAL

BC: 0.711

SD: 0.361

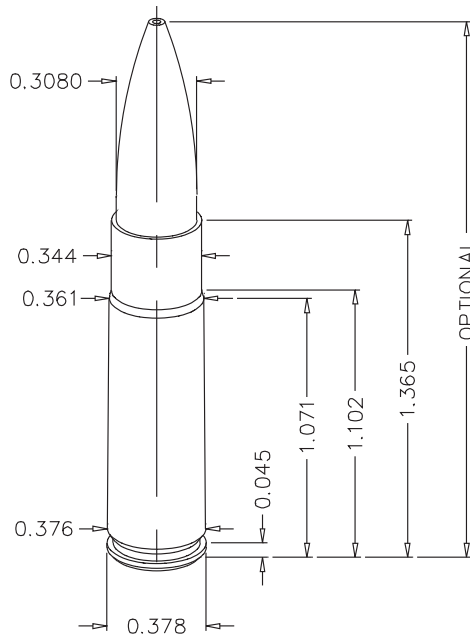
Powder	Sugg			Max Load Grains	Velocity	Pressure
	Starting Grains	Velocity FPS	Pressure			
H110	9.5	-	-	9.8	-	-
Lil Gun	8.5	-	-	9.9	-	-
WIN 296	9.2	-	-	9.9	-	-
2400	9.5	-	-	9.8	-	-
Blue Dot	9.0	-	-	9.7	-	-

300 WHISPER

POWDER	VELOCITY	GROUP	BULLET
10.0 H 110	1170	0.988	SIERRA 175 MATCH KING
10.5	1231	0.919	
11	1318	0.662	
11.5	1381	0.365	
12	1450	0.541	
12.5	1473	0.539	
13.1	1564	0.642	
13.6	1616	1.048	
14	1640	0.939	
14.4	1704	1.393	
6.5 RED DOT	1064	0.662	
7	1126	0.936	
8.0 BLUE DOT	1109	0.667	
8.5	1190	0.376	
9	1270	0.607	
9.5	1339	0.568	
10	1409	0.403	
10.5	1477	0.646	
11	1537	0.821	
14.0 VVN 110	1628	1.069	LAPUA 185 SCENAR
14.5	1672	1.421	
15	1713	1.773	
6.5 POWER PISTOL	989	1.399	
7	1070	0.359	
7.5	1172	0.794	
8	1254	0.937	
8.5	1330	1.179	
9	1394	0.657	
13.0 BLUE DOT	1948	0.746	
13.5	2008	0.738	
14	2038	0.8	
14.5	2119	0.495	
15	2171	1.108	

POWDER	VELOCITY	GROUP	BULLET
9.0 UNIQUE	1500	0.651	NOSLER 150 BT
9.5	1560	1.555	
9.5 HERCO	1496	0.734	
10	1588	1.038	
10.0 BLUE DOT	1492	0.81	
10.5	1557	0.585	
11	1628	1.039	
16.0 H 110	1938	0.831	
16.5	1979	0.667	
17	2023	0.594	
18.0 H 4227	2055	0.501	
18.5	2116	0.711	
12.0 H 4227	1308	1	SIERRA 220 MK
12.5	1373	1.034	
13	1423	0.742	
14.0 H 4198	1359	1.091	
13.0 RELOADER 7	1195	0.337	
13.5	1270	0.454	
14	1340	0.882	
14.5	1385	0.678	
15	1423	1.135	
11	974	2.158	SIERRA 240 MK
12	1088	0.638	
12.5	1166	0.793	
12.0 VVN 130	991	1.017	
12.5	1075	1.613	
13	1139	1.063	
13.5	1209	0.803	
14	1239	1.058	
17.5 VVN 110	2227	0.577	BERGER 125 HP
18	2246	0.722	
18.5	2280	0.544	
19	2300	0.451	
19.5	2351	0.183	
19	2296	0.598	SPEER 110 HP
19.5	2314	0.728	

300 Whisper SSP



Test Specifications/ Components

Firearm Used: T/C Contender

Barrel Length: 10"

Twist: 1 x 10"

Case: 221 Remington (reformed)

Trim-to Length: 1.355"

Primer: Fed 205M

Remarks:

Few cartridges have a more Byzantine history than the .300 Whisper. The Whisper has its roots in the .222 Remington rifle cartridge, which in turn, evolved into the .221 Fireball pistol cartridge. The .221 Fireball then served as the parent case for the .300 Whisper, which was origi-

nally intended for use in rifles. The cartridge has now been chambered by Thompson/Center for the Contender handgun, bringing it full circle again.

The .300 Whisper was developed by noted wildcatter J.D. Jones for a very specific purpose. Jones sought to design a sub-sonic cartridge for military use, capable of delivering accurate fire out to 200 yards or more. Ideally, the cartridge should be suitable to existing weapons systems, rather than complicating logistics by requiring a new weapon. Basing the new cartridge on the .221 case for this application was a perfect choice. The short case length of the .221 allowed it to be necked up to accept a .30 caliber bullet, while still maintaining an OAL no longer than that of the 5.56x45mm cartridge. Since the .221 shares a common head size with the 5.56x45mm NATO cartridge, it is easily adapted to the M16 series of rifles. This allows an M16/AR-15 rifle to be switched from .223/5.56mm to .300 Whisper and back again by removing two take-down pins, and replacing the upper receiver assembly.

Although originally intended to drive heavy sub-sonic bullets in sound-suppressed military weapons, the .300 Whisper has struck a chord among pistol shooters as well. T/C is currently offering their Contender pistol in both 10" and 14" versions, and the cartridge has seen use in IHMSA silhouette competition. While we have listed data for bullets as heavy as 240 grains, it must be understood that the heavyweight bullets are only suitable for those guns built by SSK, and having a fast enough twist to properly stabilize. It's difficult to predict what the future holds for the .300 Whisper as a sporting round, but it is an interesting cartridge with which to work.

300 Whisper SSP continued

#2100 .308" 110 gr. RN
C.O.A.L. 1.825"



#2105 .308" 110 gr. FMJ
C.O.A.L. 1.825"



#2110 .308" 110 gr. HP
C.O.A.L. 1.975"



Powder↓/Velocity→	1700	1800	1900	2000	2100	2150
AA-No. 5	11.5	12.3	13.1	13.8		
AA-No. 7	13.2	14.0	14.8	15.5		
AA-No. 9	14.5	15.2	16.0	16.7	17.5	
2400	14.1	15.1	16.1	17.1		
Viht N110	13.6	14.8	16.0	17.2	18.4	19.0
H110		16.4	17.4	18.4	19.3	19.8
296			17.3	18.4	19.5	20.1
Energy/ft.lbs.	706	791	882	977	1077	1129

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N110	17.2	2000	977
Hunting Load	Viht N110	19.0	2150	1129

#2120 .308" 125 gr. SPT
C.O.A.L. 2.050"



#2020 .308" (.30-30) 125 gr. HP/FN
C.O.A.L. 1.915"



Powder↓/Velocity→	1700	1800	1850	1900	1950	2000
AA-No. 5	11.7	12.6				
AA-No. 7	13.7	14.5				
AA-No. 9	14.4	15.6	16.2			
2400	15.0	15.9	16.3			
Viht N110	13.7	15.1	15.7	16.4	17.0	17.7
H110	14.9	16.3	17.0	17.7	18.4	19.0
296		16.3	17.0	17.7	18.4	19.0
Energy/ft.lbs.	802	899	950	1002	1056	1110

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N110	16.4	1900	1002
Hunting Load	Viht N110	17.7	2000	1110

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Whisper SSP continued

#7350 .308" 135 gr. SPT
C.O.A.L. 2.100"



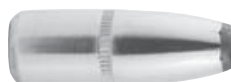
Powder↓/Velocity→	1650	1700	1750	1800	1850	1900
AA-No. 5	11.8	12.3				
AA-No. 7	13.6	14.1				
AA-No. 9	14.5	15.0	15.5	15.9		
2400	15.0	15.5	16.0			
Viht N110	14.0	14.6	15.2	15.8	16.4	17.0
H110	15.1	15.6	16.1	16.6	17.1	17.7
296			15.6	16.4	17.2	17.9
Energy/ft.lbs.	816	866	918	971	1026	1082

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N110	15.8	1800	971
Hunting Load	Viht N110	17.0	1900	1082

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Whisper SSP continued

#2000 .308" (.30-30) 150 gr. FN
C.O.A.L. 2.010"



#2115 .308" 150 gr. FMJBT
C.O.A.L. 2.250"



#2130 .308" 150 gr. SPT
C.O.A.L. 2.250"



#2125 .308" 150 gr. SBT
C.O.A.L. 2.250"



#2190 .308" 150 gr. HPBT MatchKing
C.O.A.L. 2.250"



#2135 .308" 150 gr. RN
C.O.A.L. 2.010"



**#2155 .308" 155 gr. HPBT
Palma MatchKing**
C.O.A.L. 2.250"



Powder↓/Velocity→	1400	1500	1600	1700	1800
AA-No. 9	12.4	13.4	14.4	15.5	
2400	13.4	14.1	14.8	15.7	
Viht N110	11.8	13.0	14.2	15.4	16.5
H110		13.8	14.8	15.9	17.0
296		13.8	14.8	15.9	17.0
Viht N120	15.1	16.3	17.5	18.7	
AA-1680	14.7	16.0	17.4	18.8	
Energy/ft.lbs.	653	750	853	963	1079

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N110	15.4	1700	963
Hunting Load	Viht N110	16.5	1800	1079

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Whisper SSP continued

#2145 .308" 165 gr. SBT
C.O.A.L. 2.160"



#2140 .308" 165 gr. HPBT
C.O.A.L. 2.160"



#2200 .308" 168 gr. HPBT MatchKing
C.O.A.L. 2.260"



Powder↓/Velocity→	1300	1400	1500	1550	1600	1650
AA-No. 9	11.4	12.4	13.3	13.8	14.2	14.7
2400	12.5	13.3	14.2	14.6	15.0	
Viht N110	11.2	12.3	13.5	14.1	14.7	15.2
H110		13.4	14.2	14.6	15.1	15.6
296		13.3	14.2	14.7	15.2	15.7
Viht N120	14.3	15.3	16.4	17.0		
AA-1680	14.3	15.4	16.6	17.2	17.8	
Energy/ft.lbs.	619	718	825	880	938	998

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	AA-No. 9	13.8	1550	880
Hunting Load	AA-No. 9	14.7	1650	998

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Whisper SSP continued

#2275 .308" 175 gr. HPBT MatchKing
C.O.A.L. 2.260"



#2150 .308" 180 gr. SPT
C.O.A.L. 2.260"



#2160 .308" 180 gr. SBT
C.O.A.L. 2.260"



#2220 .308" 180 gr. HPBT MatchKing
C.O.A.L. 2.260"



Powder↓/Velocity→	1200	1300	1400	1500	1550	1600
AA-No. 9	10.6	11.6	12.6	13.6	14.0	14.5
2400	11.6	12.4	13.3	14.1	14.6	
Viht N110	10.5	11.5	12.6	13.7		
H110		12.3	13.3	14.3		
296		12.4	13.4	14.4	14.9	
Viht N120	13.3	14.3	15.3	16.2		
AA-1680	13.0	14.2	15.5	16.7	17.3	
Energy/ft.lbs.	576	676	784	899	960	1023

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N120	16.2	1500	899
Hunting Load	296	14.9	1550	960

Sierra does not recommend MatchKing bullets for hunting applications.

#2210 .308" 190 gr. HPBT MatchKing
C.O.A.L. 2.260"



Powder↓/Velocity→	1200	1300	1400	1450	1500
AA-No. 9	10.8	11.8	12.8	13.3	13.7
2400	11.4	12.2	13.1	13.6	14.0
Viht N110	10.6	11.7	12.8		
H110	11.4	12.4	13.5	14.0	
296		12.4	13.5	14.0	14.6
Viht N120	13.0	14.1	15.2		
AA-1680	13.5	14.6	15.8	16.4	17.0
Energy/ft.lbs.	608	713	827	887	949

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N110	12.8	1400	827

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Whisper SSP continued

#2165 .308" 200 gr. SBT
C.O.A.L. 2.260"



#2230 .308" 200 gr. HPBT MatchKing
C.O.A.L. 2.260"



Powder↓/Velocity→	1100	1200	1300	1350	1400
AA-No. 9	9.9	10.8	11.7	12.2	12.7
2400	10.7	11.5	12.3	12.7	13.1
Viht N110	9.2	10.5	11.8	12.3	
H110	10.7	11.7	12.7	13.2	
296	10.6	11.6	12.7	13.2	13.8
Viht N120	12.2	13.2	14.2	14.7	
AA-1680	12.6	13.7	14.8	15.4	16.0
Energy/ft.lbs.	537	640	751	810	871

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	AA-No. 9	12.7	1400	871
Hunting Load	AA-No. 9	12.7	1400	871

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Whisper SSP continued

#2240 .308" 220 gr. HPBT MatchKing
C.O.A.L. 2.260"



Powder↓/Velocity→	1000	1100	1200	1250	1300
AA-No. 9	9.4	10.3	11.2	11.7	12.2
2400	10.0	10.7	11.5	11.9	12.3
Viht N110	9.4	10.2	11.1	11.6	
H110	9.9	10.9	11.9	12.4	
296	9.8	10.7	11.7	12.2	12.7
Viht N120	11.5	12.5	13.4		
AA-1680	11.7	12.7	13.8	14.3	14.9
Energy/ft.lbs.	489	591	704	763	826

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N110	11.6	1250	763

Sierra does not recommend MatchKing bullets for hunting applications.

#9245 .308" 240 gr. HPBT
MatchKing
C.O.A.L. 2.260"



The following loads will not stabilize in a 1x10" twist and are not recommended for use in T/C Contender barrels.

Powder↓/Velocity→	950	1000	1050	1100	1150	1200
AA-No. 9	9.2	9.5	9.9	10.2	10.6	11.0
2400	9.4	9.8	10.2	10.6	11.0	11.3
Viht N110	8.9	9.3	9.7	10.1	10.5	
H110	9.6	10.0	10.4	10.8	11.2	11.5
296	9.3	9.7	10.1	10.5	10.9	11.3
Viht N120	10.5	11.0	11.5	12.0	12.5	
AA-1680	11.2	11.6	12.0	12.4	12.8	13.3
Energy/ft.lbs.	481	533	588	645	705	768

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N110	10.1	1100	645

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.



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Primer Size and Bullet Diameter Chart

PRIMER LEGEND

SP = Small Pistol
SPM = Small Pistol Mag
LP = Large Pistol
LPM = Large Pistol Mag
SR = Small Rifle
LR = Large Rifle
LRM = Large Rifle Mag
BLR/BSR = Berdan (not available)

Cartridge	Bullet Dia.	Primer Size
10.3x60mm Rimmed Swiss	.415	LR
10mm Auto	.401	LP
11x59mm Rimmed French Gras 43 Mauser	.445	LR
17 Hornet	.172	SR
17 Javelina	.172	SR
17 Mach 4	.172	SR
17 Remington	.172	SR
20 Tactical	.204	SR
204 Ruger	.204	SR
218 Bee	.224	SR
219 Donaldson Wasp	.224	LR
219 Zipper	.224	LR
22 BR (Bench Rest)	.224	LR
22 Cheetah	.224	LR
22 Cooper Centerfire Mag (CCM)	.221	SP
22 Hornet	.224	SR
22 PPC	.224	SR
22 Remington Jet	.223	SP
220 Jaybird	.224	LR
220 Russian	.224	SR
220 Swift	.224	LR
220 Weatherby Rocket	.224	LR
220 Wilson Arrow	.224	LR
221 Fireball	.224	SR
222 Remington	.224	SR
222 Remington Magnum	.224	SR
22-250 Remington	.224	LR
223 Remington	.224	SR
223 Win Short Mag	.224	LR
223 Win Super Short Mag (WSSM)	.224	LR
224 Clark	.224	LR
224 Weatherby Magnum	.224	LR
225 Winchester	.224	LR
240 Gibbs	.243	LR
240 Page Souper Pooper	.243	LR
240 Weatherby Magnum	.243	LR
243 Catbird	.243	LR
243 Win Short Mag	.243	LR

Cartridge	Bullet Dia.	Primer Size
243 Win Super Short Mag (WSSM)	.243	LR
243 Winchester	.243	LR
25 ACP	.251	SP
25 Gibbs	.257	LR
25 Remington	.257	LR
25 Souper (25-308 Winchester)	.257	LR
25 TCU	.257	SR
25 Win Super Short Mag (WSSM)	.257	LR
250 Savage	.257	LR
25-06 Remington	.257	LR
25-20 Single Shot	.257	SR
25-20 WCF	.257	LR
25-222 Remington Magnum	.257	SR
25-284 Winchester	.257	LR
25-300 Remington Ultra Magnum	.257	LRM
25-300 Win Short Mag (WSM)	.257	LR
25-35 WCF	.257	LR
25-36 Marlin	.257	LR
256 Winchester Magnum	.257	SP
257 Roberts	.257	LR
257 STW	.257	LR
257 Weatherby Magnum	.257	LRM
260 Remington	.264	LR
264 Winchester Magnum	.264	LRM
270 Gibbs	.277	LR
270 Weatherby Magnum	.277	LRM
270 Win Short Mag (WSM)	.277	LRM
270 Winchester	.277	LR
270-284 Winchester	.277	LR
270-308 Winchester	.277	LR
276 Pedersen	.284	LR
280 Remington and 7mm Express	.284	LR
28-30 Stevens	.285	SR
284 Winchester	.284	LR
30 BR (Bench Rest)	.308	SR
30 Carbine	.308	SR

Cartridge	Bullet Dia.	Primer Size
30 Gibbs	.308	LR
30 Herrett	.308	LR
30 Luger	.308	SP
30 Mauser	.308	SP
30 Remington	.308	LR
300 Dakota	.308	LRM
300 H&H Magnum	.308	LRM
300 Jarrett	.308	LRM
300 Lapua Magnum	.308	LRM
300 Pegasus	.308	LRM
300 Rem Short Action Ultra Mag	.308	LRM
300 Remington Ultra Magnum	.308	LRM
300 Savage	.308	LR
300 Weatherby Magnum	.308	LRM
300 Win Short Mag (WSM)	.308	LRM
300 Winchester Magnum	.308	LRM
30-06 Springfield	.308	LR
30-223 Remington	.308	SR
30-284 Winchester	.308	LR
303 British	.312	LR
303 Savage	.308	LR
30-30 Winchester	.308	LR
30-338 Lapua Magnum	.308	LRM
30-338 Winchester Magnum	.308	LRM
30-378 Weatherby Magnum	.308	LRM
30-40 Krag	.308	LR
307 Winchester	.308	LR
308 Baer	.308	LRM
308 Norma Magnum	.308	LRM
308 Winchester	.308	LR
30-8mm Remington Magnum	.308	LRM
308x1.5"	.308	LR
308x1.75"	.308	LR
310 Cadet	.316	SR
32 ACP	.309	SP
32 H&R Magnum	.312	SP
32 Remington	.320	LR
32 S&W Long	.312	SP
32 S&W Short	.312	SP



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Primer Size and Bullet Diameter Chart - 2

PRIMER LEGEND

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LP = Large Pistol
LPM = Large Pistol Mag
SR = Small Rifle
LR = Large Rifle
LRM = Large Rifle Mag
BLR/BSR = Berdan (not available)

Cartridge	Bullet Dia.	Primer Size
32 Short Colt	.313	SP
32 Winchester Special	.321	LR
32-20 WCF	.312	SR
32-40 WCF	.320	LR
325 Winchester Short Magnum (WSM)	.323	LRM
33 WCF	.338	LR
330 Dakota	.338	LRM
338 Lapua Magnum	.338	LRM
338 Marlin Express	.338	LR
338 Remington Ultra Magnum	.338	LRM
338 Winchester Magnum	.338	LRM
338-06 A-Square	.338	LR
338-284 Winchester	.338	LR
338-300 Win Short Mag (WSM)	.338	LRM
338-300 Winchester Magnum	.338	LRM
338-378 Weatherby Magnum	.338	LRM
338-8mm Remington Magnum	.338	LRM
340 Weatherby Magnum	.338	LRM
348 Winchester	.348	LR
35 Remington	.358	LR
35 Whelen	.358	LR
35 Winchester	.358	LR
350 Remington Magnum	.358	LRM
351 Winchester Self-Loading	.351	SR
35-284 Winchester	.358	LR
358 Winchester	.357	LR
357 Automag	.357	LP
357 Herrett	.357	LR
357 Magnum	.357	SPM
357 Maximum	.357	SPM
357 Sig	.356	SP
358 Norma Magnum	.358	LRM
358 Winchester	.358	LR
358mm Remington Magnum	.358	LRM
375 Dakota	.375	LRM
375 H&H Flanged Magnum	.375	LRM

Cartridge	Bullet Dia.	Primer Size
375 H&H Magnum	.375	LRM
375 Remington Ultra Magnum	.375	LRM
375 Ruger	.375	LR
375 Weatherby Magnum	.375	LRM
375 Whelen	.375	LR
375 Winchester	.375	LR
375-284 Winchester	.375	LR
375-338 Winchester Magnum	.375	LRM
375-350 Remington Magnum	.375	LRM
376 Steyr	.375	LR
378 Weatherby Magnum	.375	LRM
38 Long Colt	.357	SP
38 S&W	.359	SP
38 Special	.357	SP
38 Super	.355	SP
380 ACP	.355	SP
38-40 WCF	.401	LP
38-45 ACP	.357	LP
38-55 WCF	.378	LR
38-72 WCF	.378	LR
40 S&W	.401	SP
40 Super	.401	SP
400 Cor-Bon	.401	LP
401 Winchester Self-Loading	.406	LR
404 Jeffery	.422	LRM
405 Winchester	.411	LR
40-50 Sharps Bottle Neck	.403	LR
40-60 Sharps Straight	.403	LR
40-60 WCF	.404	LR
40-65 WCF	.406	LR
40-70 Sharps Bottle Neck	.403	LR
40-70 Sharps Straight	.403	LR
40-82 WCF	.406	LR
40-90 Sharps Bottle Neck	.403	LR
40-90 Sharps Straight	.403	LR
41 Long Colt	.386	SP
41 Remington Magnum	.410	LP
416 Dakota	.416	LRM

Cartridge	Bullet Dia.	Primer Size
416 Hoffman	.416	LRM
416 Remington Magnum	.416	LRM
416 Rigby	.416	LRM
416 Taylor	.416	LRM
416 Weatherby Magnum	.416	LRM
416-300 Remington Ultra Magnum	.416	LRM
425 Express	.423	LRM
425 Westley Richards	.435	LR
43 Spanish	.439	LR
44 Remington Magnum	.430	LP
44 Russian	.429	LP
44 Special	.430	LR
444 Marlin	.429	LR
44-40 WCF	.427	LR
445 Super Magnum	.430	LP
45 ACP	.451	LP
45 Auto Rim	.451	LP
45 Colt (Long Colt)	.452	LP
45 GAP	.451	LP
45 S&W Schofield	.454	LP
45 Winchester Magnum	.451	LP
450 Ackley Magnum	.458	LRM
450 Dakota	.458	LRM
450 Marlin	.458	LR
450 Nitro Express	.458	LR
450 Number 2 Nitro Express 3-1/2"	.458	LR
450-400 Nitro Express 3"	.405	LR
45-100 Sharps Straight	.451	LR
45-110 Sharps Straight	.451	LR
45-120 Sharps Straight	.451	LR
454 Casull	.452	SR
455 Webley	.454	LP
45-60 WCF	.454	LR
45-70 Government	.458	LR
45-75 WCF	.454	LR
458 Lott	.458	LRM
458 Winchester Magnum	.458	LRM
458x2" American	.458	LR
45-90 WCF (45-85 WCF)	.457	LR

300 AAC BLACKOUT

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