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300 blk out load data

Moderators: gds, bakerjw, renegator, bamachem Dr.Phil Silent But Deadly Posts: 1652 Joined: Tuesday October 05, 2010 4:50 pm Post dr. Phil » Tue Jan 02, 2018 09:55 Sierra has released the latest version of the 300 BLK Load Data. Here is a link to the PDF version. 212017.pdf Sierra Bullets 300 AAC Blackout Load Data Posted on December 21, 2017 by Sierra Bullets Test Specifications/Components Firearm Used: Universal Receiver Barrel Length: 16 Twist: 1-8" Case: Hornady Trim-to Length: 1.363 Primer: Winchester WSR Notes: A 300 AAC Blackout (300 BLK, or 7.62x35mm) was created by Advanced Armament Corp. and Remington in order to provide a military way to shoot .30 caliber bullets on the M4 platform with just one barrel change. It has since become popular for its wide range of uses including hunting and domestic protection. The cartridge divides case-head sizes and body dwindling to .223 Remington. This not only allows for compatibility with existing magazines and screws, but also allows reloaders to form their own copper with a cut-down of 5.56mm or .223 cases - ensuring copper supply even in the event of shortages of factory copper. The 300 AAC Blackout is a similar concept as previous feral cats such as the 30-221 and 300 Fireball, as well as the patented 300 Whisper®, except that 300 BLK was the first to have the SAAMI approved cartridge, and all companies are free to use firearms or ammunition. 300 AAC Blackout can also find uses for hunters who have not been able to legally hunt .223 in the state and who prefer .30 caliber balls to medium-sized games. It provides similar efficiency as 7.62x39 or slightly stronger 30-30 cartridges, except for works on the more modern AR15 platform. Effective hunting range of about 100-150 meters. Indicates maximum load - CAUTION should be exercised as minimum charges are not recommended. Indicates maximum load - CAUTION should be exercised as minimum charges are not recommended. Indicates maximum load - CAUTION should be exercised as minimum charges are not recommended. Indicates maximum load - CAUTION should be exercised as minimum charges are not recommended. Indicates maximum load - CAUTION should be exercised as minimum charges are not recommended. Indicates maximum load - CAUTION should be exercised as minimum charges are not recommended. Indicates maximum load - CAUTION should be exercised as minimum charges are not recommended. Indicates maximum load - CAUTION should be exercised as minimum charges are not recommended. Indicates maximum load - CAUTION should be exercised as minimum charges are not recommended. Here is a link to Sierra's page: load-data/ Don't tell fish stories where people know you; but in particular, it is not where they know the fish. --Mark Twain dellet Silent But Deadly Posts: 6461 Joined: Fri Nov 30, 2012 1:25 pm Post by dellet » Tuesday Jan 02, 2018 10:15 This is by far the widest selection of powders and load ranges published by manufacturer. But..... Please note that many of the sub loads will not have a chance of cycling the gas-powered system. Compressed loads are not indicated. Neither's omission is a safety issue, but it can be frustrating to some. Sierra was a very early supporter of the cartridge, and their efforts to design the 125 SMK gave a particularly huge boost at the beginning. 300 Blackout, not just for subsonics. Dr.Phil Silent But Deadly Posts: 1652 Joined: K October 05, 2010 4:50 pm Post dr. Phil » Tuesday Jan 02, 2018 11:26 The other thing that is interesting is that this is yet another document showing that W296 and H110 are not the same. W296 is just different enough to get a bit better performance. (Thanks for turning me to the dellet!!!) Don't tell fish stories where people know you; but especially, do not tell them where they know the fish. --Mark Twain dellet Silent But Deadly Posts: 6461 Joined: Fri Nov 30, 2012 1:25 pm Post by dellet » Tue Jan 02, 2018 12:45 Dr.Phil wrote: The other thing that is interesting is that this is yet another document showing that W296 and H110 are not the same. W296 is just different enough to get a bit better performance. (Thanks for turning me to the dellet!!!) This may require explanation or clarification. Hodgden says it's the same dust. I don't have the equipment or the scientific background to call the BS to the manufacturer. If you run both powders through Quickload, at least my version, using exactly the same specs, 296 always comes out to a significant lower pressure. This also proved to be true when going max loads and reading the tea leaves (primers) or measuring cases of head enlargement. Lot to lot variation is the most likely reason for this, and the odd numbers come up with load data. I could easily accept that explanation. The question mark came up when you were finally able to get a pound of each powder with the same batch number. To test the theory, I used 10 Lapua brass with the same load. Filled with five each powder, then shot and reloaded until the primer pockets no longer hold primers. Every 10 shots string the loads alternate as well as the starting powder. H110 shot was a little faster and copper life was shorter. If I'd increased the 296 by adding powder, I wouldn't have had a loss of copper life. Using the same two ports, same items, same loads. H110 would pop a primer on the new copper when 296 would get 2 firings. All this indicates that there is a difference. I accept Hodgden as he says it's the same dust. But at the same time suggest that it is a very temperamental powder. Same batch number, possibly early and late running, so different results make consistent loads of pain. The average hand loader it doesn't appear shooting at a couple hundred feet, but it goes a long way to explaining why a 0.1 grain change in dust filling can make a 3/4 MOA difference in group size. And what ever reason 296 seems to be just a little more forgiving than the H110 when it comes to pushing the boundaries. Again, that's just my experience. One of the things that helped my group sizes with this cartridge is that we have the usual tolerances for pad rest (30BR) and cut it in half. If half the case capacity is half the powder of the same weight bullet, it just makes sense. 300 Blackout, not just for subsonics. Dr.Phil Silent But Deadly Posts: 1652 Joined: K October 05, 2010 4:50 pm Post dr. Phil » Tuesday Jan 02, 2018 2:02 dellet wrote: According to Hodgden they are the same dust. I don't have the equipment or the scientific background to call the BS to the manufacturer. Well, my LGS certainly feels there's quite a difference to charge \$10 more for W296... I have also seen lower pressure w296 and sierra data above follow the observations. So, that's enough evidence for me to believe it's not exactly the same. The difference can be as small as some additive perhaps. I have no idea, but I know that for high-speed applications, W296 delivers a little better than the H110. That was my commission, I told them you were on your way, the opposite, the H110 is more. 300 Blackout, not just for subsonics. Roverhound Senior Silent Operator Posts: 106 Joined: Mon Aug 29, 2016 12:10Pm Post by Roverhound » Tuesday Jan 02, 2018 5:10pm I'm loading the 110 grain Varminters with 23.7 grains cfe BLK and getting 2000 fps out of my 9.5 pistol. I choose this powder because it is supposed to have much lower pressure, it is most commonly used in this application and I wanted to see how well I could feed these balls. Higher pulse powders tend to walk forward in the magazine and jam after about 5 or 6 shots. By locking down my gas block a little bit, to reliably feed and still fix the screw. I used Hogdon's data for 110 gr Hornady bullets. Hoping to really screw up some varmints with these. Dr.Phil Silent But Deadly Posts: 1652 Joined: K October 05, 2010 4:50 pm Post dr. Phil » Wed Jan 03, 2018 9:36 pm Dellet also developed CFE BLK. Although the compression pressure is lower, it shows significant SD & ES variances. If you are not heavily invested, you might want to check out other powders. N110 ensures the best accuracy and is very clean. W296, H110, and Li'Gun will deliver the highest speed. Don't tell fish stories where people know you; but especially, do not tell them where they know the fish. --Mark Twain steven11b Silent But Deadly Posts: 1244 Joined: Thu Mar 07, 2013 12:22 Pm Location: Arizona Post by steven11b » Wed Jan 03, 2018 12:46 These IMR 4227 loads 190-200gr are not accurate across multiple guns for me. Life is hard, but it's harder, if the stupid-John Wayne 17 Caliber.172 Diameter20 Caliber.204 Diameter 22 Caliber.224 Diameter 6mm Caliber.243 Diameter 25 Caliber.257 Diameter 2 250 Savage 257 Rob 257 Roberts Ack Imp 25 WSSM 25-06 Rem 257 Wby Mag 6.5mm Caliber.264 Diameter 6.5mm Caliber.27 7 Diameter 270 Caliber.277 Diameter 27 Nosler 270 Win 270 WSM 270 Wby Mag 7mm Caliber.284 Diameter 30 Caliber.308 Diameter 30 Cal iber.310 Diameter 8mm Caliber.323 Diameter 8mm (8x57) 8mm-06 325 WSM 8mm Rem Mag 338 Caliber.338 Diameter 8mm Caliber.338 Diameter 8mm Caliber.338 Diameter 8mm Caliber.333 Diameter 8mm (8mm 8x57) 8mm-06 325 WSM 8mm Rem Mag 338 Caliber.338 Diameter 8mm Caliber.333 Diameter8mm (8x57) 8mm-0 6 325 W SM 8mm-06 325 WSM 8mm Rem Mag 338 Caliber.338 Diameter 35 Caliber.358 Diameter 358 Win 350 Rem Mag 35 Whelen 358 Norma Core 3 58 STA 9.3mm Caliber.366 Diameter 9.3x74 R 9.3 x 62 9.3x64mm Brenneke 375 Caliber.375 Diameter 375 H&amp; H Magnum 375 Ruger 378 Wby Mag 375 Rem Ultra Mag 416 Caliber.416 Diameter 416 Ruger 416 Rem Mag 416 Rigby 416 Wby Mag 44 Caliber.429 Diameter 458 Caliber.458 Diameter 458 SOCOM 458 Win Mag 458 Lott 45-70 Govt (SAO) (SAO)

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