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small pistol primer sensitivity ranking

By Fkimble, June 27, 2013 in General Reloading

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Fkimble

Looks for Range



Members

7 posts

Gender:Male

Location:A little south of
Atlanta

Posted June 27, 2013



Currently loading 9mm with those hard Tula sp primers. Am getting low and am on the hunt for more of any type. Also am wanting to swap out the hammer spring again in my old CZ75-B for a lighter one to help with the double action and hopefully a little on the single action. Replaced it a couple years ago with a 15lb due to my current Tula primers. OK we all know Federal are the lightest. At least thats what i've always heard. But alas there are none to be found in my neck of the woods(S of Atlanta). So whats the current consensus on ranking of SP primers? Candidates are in no particular order: Feredal, R-P, Winchester, CCI, Wolf/Tula(noticed one or two of the major online suppliers no longer list these in their primer list). Saw some MagTech a few years ago, any others? My guess would be Federal, Winchester, CCI and Wolf/Tula. but would like to hear from the higher volume competition shooters.

Youngeyes

Veni, Ego iecit, Ego non finito
ultimo loco

Posted June 27, 2013



Here you go and welcome to the forums.

PRIMER CHART & REFERENCE GUIDE



[Moderators](#)

4,591 posts

Gender:Male

Location:Newtown,ct

[Small Handgun Standard](#) .017" cup thickness

CCI 500

Federal 100 - Has a soft cup - good to use if hammer strike is light.

Federal 100M - Match version of above

Magtech PR-SP

Magtech PR-SPC - Lead-free "Clean Range" primer for indoor ranges etc.

Remington 1 ½

RWS 4031

Winchester WSP

Wolf/Tula Small Pistol SP #KVB-9 - brass cup - "For Standard Pistol loads"

Wolf/Tula Small Pistol #KVB-9SP - "For 9×19 NATO cartridges"

Wolf/Tula Small Pistol #KVB-9S - "For Sporting Pistol loads"

[Small Handgun Magnum](#) .017" cup thickness

CCI 550 [See Note 1 at the bottom of page](#)

Federal 200

Federal 200M - Match version of above

Magtech PR-SPM

Remington 5 ½

RWS 4047

Winchester WSPM

Wolf/Tula Small Pistol Magnum SPM #KVB-9M - brass cup - "For Magnum Pistol loads"

[Large Handgun Standard](#) .020" cup thickness

CCI 300

Federal 150 - Has a thinner cup

Magtech PR-LP

Remington 2 ½

RWS 5337

Winchester WLP

Wolf/Tula Large Pistol LP #KVB-45 - brass cup - "For Standard Pistol loads"

[Large Handgun Magnum](#) .020" cup thickness

CCI 350**Federal 155**

Wolf/Tula Large Pistol Magnum LPM #KVB-45M - brass cup - For Magnum Pistol loads

Small Rifle Standard

CCI 400 -thin .020" cup, not recommended for AR15 use by CCI/Speer. Good for .22 Hornet, .30 Carbine. [See Note 1 at the bottom of the page](#)

CCI BR4 - match primer with a thicker .025" cup.

Federal 205 - Mil-Spec cup thickness according to Federal - okay for 5.56mm. .0225" cup thickness.

Federal 205M - same as the 205 but the match version.

Magtech PR-SR - .025" cup thickness (*not much feedback yet on this new primer as to AR15 suitability but with the same cup thickness as the Rem 7 1/2 it looks good so far*)

Remington 6 1/2 - thin .020" cup, intended for older, lower pressure rounds
Remington says do not use for the .223 Rem or other similar pressure rounds. Good for .22 Hornet, .30 Carbine.

Remington 7 1/2 BR - A match or "bench rest" primer. Lyman & Nosler classify this primer as a Standard. Remington says the compound is the same as the 6 1/2 but with a thicker .025" cup.

RWS 4033

Winchester WSR - some piercing issues noted when changed from silver to brass cup. Cup thickness is a bit thinner at .021". Most say they are good to go for the AR15 despite that, probably because of the hardness of the cup. Some feel they are less resistant to higher pressures.

Wolf/Tula Small Rifle SR #KVB-223 - soft, sensitive *copper* cup, not recommended for AR15/military rifle use or high pressure rounds.

Small Rifle Magnum

CCI 450 - same thicker .025" cup as the BR4 and #41.

CCI #41 - commercial version of the fully-qualified DOD primer for use in U.S. military ammo. With this primer there is more 'distance' between the tip of the anvil and the bottom of the cup than with other CCI SR primers. .025" thick cup. Same primer mix as CCI 450.

Remington 7 1/2 BR - A match or "bench rest" primer. Hornady, [Handloads.com](http://www.handloads.com), and

Chuck Hawks classify this primer as a Magnum, differing from other sources that classify it as a Standard. .025" cup thickness.

Wolf/Tula Small Rifle Magnum SRM - hard, less sensitive *brass* cup intended for AR15/military rifle and high pressure rounds - #KVB-5,56M.

Wolf/Tula Small Rifle 223 SR223 - #KVB-223M "This is the newest primer available in the Wolf line. It is ever so slightly hotter than the small rifle magnum primer and it comes with a brass colored thick cup. This primer can be used in place of the SRM primer or used when a different powder is used that is hard to ignite."

Large Rifle Standard

CCI 200 - mild in brisance. Hard enough for use in semi-automatics.

CCI BR2 - same as the 200 but the match version. Hard enough for use in semi-automatics.

Federal 210 - medium brisance between CCI/Remington & Winchester. Do not use in semi-automatics.

Federal 210M - match version of the above primer. Do not use in semi-automatics.

Magtech PR-LR

Remington 9 1/2 - mild in brisance.

RWS 5341

Winchester WLR - the hottest standard primer. Hard enough for use in semi-automatics.

Wolf/Tula Large Rifle LR #KVB-7 - all brass - "For Standard Rifle loads".

Wolf/Tula Large Rifle #KVB-7,62 - "For 7,62 NATO cartridges"

Wolf/Tula primers are used by noted match shooter David Tubbs who says: "*Be sure they are seated into the case - if not they can be hard to ignite. Russian primers use a different sinoxide compound (closer to the European type), which, in my testing, consistently delivers better extreme spreads over Federal...*" Hard enough for use in semi-automatics.

Large Rifle Magnum

CCI 250

CCI #34 - commercial version of the fully-qualified DOD primer for use in U.S. military ammo.

Federal 215 - original magnum primer

Remington 9 1/2 M - mildest magnum primer.

RWS 5333**Winchester WLRM**

Wolf/Tula Large Rifle Magnum LRM #KVB-7M - all brass - "For Magnum Rifle loads".

50 BMG

CCI #35 - commercial version of the fully-qualified DOD primer for use in U.S. military ammo.

Winchester 8312

Wolf/Tula 50 Cal Machine Gun #KVB-50 - For 50 Browning Machine Gun

Primers recommended for use in .223 Rem/5.56 semiautomatic rifle loads:

CCI #41, 450, BR4 (*#41 & 450 good with ball powder*)

Federal 205, 205M

Remington 7 1/2 BR (*good with ball powder*)

Winchester WSR (*good with ball powder*)

Wolf SRM (*good with ball powder*)

Wolf SR223 (*hotter than SRM - great with ball powder*)

Primers recommended for use in .308 Win/7.62x51/7.62x39 semiautomatic rifle loads:

CCI #34, 200, BR2, CCI 250

Winchester WLR, WLRM (*good with ball powder*)

Wolf LR

WOLF/TULA PRIMER APPLICATION CHART FOR ALL PRIMERS -

<http://www.mpzflame.ru/production/primers/>

Wolf and Tula are two of the common U.S. marketing names of primers made by **Murom** (OJSC «Murom Apparatus Producing plant» "For many years, our constant partners are «The Tula Cartridge Works», «Barnaul Cartridge Plant» and others.").

#####

NOTE 1: According to Speer/CCI Technical Services - Both the CCI 550 Small Pistol

Magnum and CCI 400 Small Rifle primers are identical in size. Both primers use the same cup metal and share the same cup thickness. Both primers use the same primer compound formula and same amount of primer compound. They can be used interchangeably.

«

benos

Psychoholic



Admin

19,281 posts

Gender:Male

Location:Tempe, AZ

Posted June 27, 2013



Since the topic is not exclusive to 9mm, I moved it here for better exposure.
be

Seth Long

Finally read the FAQs



Classified

80 posts

Gender:Male

Location:Hollidaysburg, PA

Posted June 28, 2013



In my personal experience.
Federal is very easy to light off.

CCI / WIN I have never had a issue with either, and will load either/or for match ammo. In my glocks with factory springs they both ignite with no issues. My girlfriends SV ignites WIN SPM just fine.

Remington I refuse to use unless its all I can get, then I load it in practice ammo. I was getting several light primer stikes out of each session with my glock. I changed striker springs and it seemed to help some but they are still noticeably harder to ignite then FED/WIN/CCI as I had no issues with any of those primers. I will still get a light strike every now and again.

Hope that helps.