

# **.40 S&W IPSC Loads List**

Compiled By: Jeff Maass, USPSA L-1192  
Updated: 24 October 2003

## **INTRODUCTION AND DISCLAIMERS**

The following loading information was collected from multiple sources (books, magazine articles, individuals, etc.), and was accurately transcribed as best I can tell. **Be suspicious:** if any load looks out-of-line with other listed loads or your experience, cross-check with other loading manuals and sources! Since any given load will behave differently in each gun, your results will vary! In general, these loads were reported as safe in modern pistols chambered for .40S&W and using a barrel which fully supports the cartridge case. **As with all reloading information, but as especially important with .40S&W loads, use caution in developing loads for your gun(s) from this data: start powder loads down 10% (or more) and work up to the power factor you are seeking.** These loads are arranged first by bullet weight and type (jacketed or lead), and then by approximate powder burning rate for each bullet (from fastest to slowest). I cannot assume any responsibility for the accuracy or safety of the loads. **Use these as 'confidence checks' rather than as a 'cookbook' of proven loads. If in doubt, refer to or contact the cited source.**

## **SPECIAL .40 S&W LOADING SAFETY NOTES:**

Since I began gathering data for the .40S&W, I have heard numerous stories of people having guns blow up due to inappropriate loads or failure to heed good load development practice. Interestingly, more people have reported catastrophic failures to me in this caliber than in the "pocket-rocket" 9x21! **All IPSC loads in the .40S&W are high-pressure loads, and generally all of the loads listed below are at or near to maximum pressures: this is not your momma's .45ACP! I don't recommend that an inexperienced reloader attempt to load .40S&W for IPSC Major.**

### **Powder Choices**

When it comes to selecting a powder to use in loading a new caliber, reloaders tend to try to use whatever powder they have on hand or which they have traditionally used for other calibers. In gathering these loads, I received numerous reports that ***the .40S&W is dangerously unpredictable when loaded to IPSC Major velocities with fast-burning powders and heavy bullets.*** These reports have come from enough independent sources that I have taken them to heart, and **I have omitted from this list any load using the fastest powders (generally, those faster than VihtaVuori N320).**

**In particular, you are urged to avoid any load using Hodgdon CLAYS for IPSC-velocity .40S&W loads.** Although many of the 'Super Squad' shooters are using Clays, Hodgdon's loading data shows a maximum IPSC power factor of 153 for CLAYS. Although it is possible to load to a power factor of 175 using CLAYS, especially in guns that allow a cartridge overall length of 1.200" and greater, **there are FAR SAFER options available with the medium- and slower burning powders. For the same reasons, Accurate Arms #2, while used by some IPSC shooters, is not a recommended choice.**

**NOTE: Powders followed by an asterisk (e.g. WAP\*, WSL\*, WW540\*, WW571\*, 452AA\*, Solo 1500\*, TRAP 100\*) are discontinued powders. There may be some still in the pipeline, but they are no longer being produced. Consider this when choosing a powder with which to develop a load.**

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### **Double Charges**

Most of the loads listed below, especially using the heavier bullets, use powder charges which barely fill 1/3 of the .40S&W case. This means that **you can easily double (or even triple!) charge the .40S&W case with powder**. If you don't have a powder-check device on your press (or even if you do!) I recommend that you position a lamp so that the light shines down into the case at the bullet-seating stage of your press. Look down inside the case and verify that the powder charge looks correct before placing the bullet on top of each and every round! This seems excessive, but seems a sensible precaution with this caliber.

### **Primers**

Although Small Pistol Primers *generally* work fine in .40S&W, several contributors suggested that using Small Rifle Primers, as is typically done for other high-pressure IPSC loads (38 Super, 9x21, 9x23, etc.) offers some additional margin of safety. Also, if you shoot one of these other calibers in Open Category, you can stock just one type of primer, and have less risk of loading a Small Pistol Primer in your 38 Super loads. **Remember to work up the load with these primers, just as with any other component you change!**

### **Barrel Lengths**

Most 'service' guns have short barrels (4" seems typical), and most of the published data is provided for those guns. These loads require more powder to get the bullet to IPSC Major velocities than would be required in the 5" barrel more common among IPSC shooters. **If you are developing a load for a 5" barrel, and are referring to data below for a shorter barrel, start your powder load down a bit more than the usually-recommended 10%: perhaps 15% down.**

### **Cartridge Overall Length (OAL)**

Many of the .40S&W handguns in use were developed from 9x19 handgun 'roots', and the SAAMI maximum Cartridge Overall Length ( 1.135") for the .40S&W was set to accommodate the limitations of the magazines available for those designs. With the use of the .40S&W in 1911-pattern guns, the magazines will accommodate much longer OALs, and in many cases these longer cartridges will feed better in those guns. Many of the loads listed below were for OALs greater than 1.135", and those without specified OALs from reloading manuals are to be assumed to be for loads no longer than 1.135". **Reducing the OAL of a load which is already at or above maximum pressure will drastically increase the pressure, possibly resulting in spontaneous catastrophic disassembly of the cartridge and gun!**

**If you are developing a load with an OAL shorter than the specific data seen below, you should start your powder load down a bit more than the recommended 10%: perhaps 15%-20% down.**

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**SPECIAL GLOCK SAFETY NOTE**

**Shooting reloaded ammunition in your Glock handgun will void the warranty. In addition, there are many, many stories of burst cases in Glock handguns chambered for .40S&W. I cannot recommend that you use any reloaded rounds in your Glock handgun unless the barrel has been replaced with one of the aftermarket barrels which fully supports the case head.**

**Send additions/corrections to Jeff Maass, email via Internet [jmaass@columbus.rr.com](mailto:jmaass@columbus.rr.com).**

| <b>WHO</b>      | <b>BULLET</b>        | <b>POWDER</b>    | <b>OAL</b> | <b>VEL</b> | <b>PF</b> | <b>NOTE(S)</b>                                 |
|-----------------|----------------------|------------------|------------|------------|-----------|--|
| Federal         | 135gr Hydra-Shok     | FACTORY          | ?          | 1172.2     | 157.6     | (41)   |
| Hodgdon         | 135gr JHP            | 7.5gr Universal  | ?          | 1324       | 178.8     | (3) Max Load, 4" bbl.                          |
| Alliant         | 135gr Nosler JHP     | 9.3gr Pwr Pistol | 1.090"     | 1340       | 180.9     | (9) Max Load, 4" bbl                           |
| Sven Westerlund | 135gr Nosler JHP     | 9.5gr VV-3N37    | 1.180"     | 1350       | 182.3     | (13) 6" ported bbl - HOT!                      |
| "Beavis"        | 135gr JHP            | 12.0gr Blue Dot  | 1.125"     | 1325       | 178       | (18)   |
| Steve Mango     | 135gr Berry's Plated | 8.0gr VV-N350    | 1.100"     | 1274       | 172.0     | (42) Open class Nowlin 3-port Bbl              |
| Steve Mango     | 135gr Berry's Plated | 8.9gr VV-N350    | 1.100"     | 1350       | 182.3     | (42) Open class Nowlin 3-port Bbl              |
| Tom Clatfelter  | 140gr Bull-X LFP     | 7.5gr AA5        | 1.135"     | 1155       | 161.7     | (59) 5" Bar-Sto Bbl, Chronographed at 95 degF. |
| Chuck Rossi     | 140gr Dillon LFP     | 7.5gr WAP*       | 1.080"     | 1261       | 176.5     | (23) Gld Team w/comp                           |
| Chuck Rossi     | 140gr Midway LFP     | 7.7gr WAP*       | 1.130"     | 1286       | 180.0     | (23) Gld Team: too long                        |
| Chuck Rossi     | 140gr NBC CuFP       | 7.5gr WAP*       | 1.070"     | 1255       | 175.7     | (23) Gold Team w/comp                          |
| Layne Simpson   | 145gr LFN            | 6.6gr W231       | ?          | 1259       | 182       | (8) 5.5" Bbl                                   |
| Tom Clatfelter  | 145gr RNFP           | 6.8gr AA5        | 1.060"     | 1075       | 155.9     | (59) 5" Bar-Sto Bbl, Chronographed at 95 degF. |
| Layne Simpson   | 145gr LFN            | 8.4gr AA5        | ?          | 1252       | 181       | (8) 5.5" Bbl                                   |
| Layne Simpson   | 145gr LFN            | 5.9gr WSL*       | ?          | 1248       | 180       | (8) 5.5" Bbl                                   |
| Layne Simpson   | 145gr LFN            | 7.3gr WSF        | ?          | 1237       | 179       | (8) 5.5" Bbl                                   |
| Layne Simpson   | 145gr LFN            | 9.4gr WW540*     | ?          | 1265       | 183       | (8) 5.5" Bbl                                   |
| Layne Simpson   | 145gr LFN            | 7.0gr Herco      | ?          | 1236       | 179       | (8) 5.5" Bbl                                   |
| Layne Simpson   | 145gr LFN            | 10.3gr AA7       | ?          | 1231       | 178       | (8) 5.5" Bbl                                   |
| Layne Simpson   | 145gr LFN            | 10.2gr HS7       | ?          | 1233       | 178       | (8) 5.5" Bbl                                   |
| Layne Simpson   | 145gr LFN            | 10.1gr Blue Dot  | ?          | 1244       | 180       | (8) 5.5" Bbl                                   |

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| <b>WHO</b>      | <b>BULLET</b>     | <b>POWDER</b>    | <b>OAL</b> | <b>VEL</b> | <b>PF</b> | <b>NOTE(S)</b>           |
|-----------------|-------------------|------------------|------------|------------|-----------|--------------------------|
| Layne Simpson   | 150gr Sierra JHP  | 6.3gr W231       | ?          | 1197       | 179       | (8) 5.5" Bbl             |
| Dick Metcalf    | 150gr Sierra JHP  | 7.0gr WST        | 1.125"     | 1171       | 175.7     | (7) 4" Bbl               |
| Layne Simpson   | 150gr Sierra JHP  | 5.8gr WSL*       | ?          | 1174       | 176       | (8) 5.5" Bbl             |
| Alliant         | 150gr Sierra JHP  | 8.2gr Pwr Pistol | 1.105"     | 1215       | 182.3     | (9) Max Load, 4" bbl     |
| Layne Simpson   | 150gr Sierra JHP  | 6.9gr WSF        | ?          | 1169       | 175       | (8) 5.5" Bbl             |
| "Beavis"        | 150gr Sierra JHP  | 7.5gr WSF        | 1.125"     | 1198       | 179       | (18) 5" Bbl              |
| Layne Simpson   | 150gr Sierra JHP  | 9.2gr WW540*     | ?          | 1203       | 180       | (8) 5.5" Bbl             |
| Layne Simpson   | 150gr Sierra JHP  | 9.9gr W571       | ?          | 1211       | 181       | (8) 5.5" Bbl             |
| Layne Simpson   | 150gr Sierra JHP  | 10.0gr HS7       | ?          | 1214       | 182       | (8) 5.5" Bbl             |
| Layne Simpson   | 150gr Sierra JHP  | 10.5gr Blue Dot  | ?          | 1204       | 180       | (8) 5.5" Bbl             |
| Federal         | 155gr Hydra-Shok  | FACTORY          | ?          | 1133.2     | 175.4     | (41)                     |
| Speer           | 155gr Gold Dot    | FACTORY          | ?          | 1206.0     | 186.3     | (41)                     |
| Winchester      | 155gr Super X     | FACTORY          | ?          | 1250.0     | 194.9     | (41)                     |
| Hoser Freeman   | 155gr Horn XTP-HP | 7.0gr WST        | 1.?        | ?          | >175      | (26) Major, 5.5" bbl.    |
| VihtaVuori      | 155gr Horn XTP-HP | 6.6gr VV-N330    | 1.126"     | 1220       | 189.1     | (1) Max. Load, 5.5" bbl. |
| VihtaVuori      | 155gr Horn XTP-HP | 6.8gr VV-N340    | 1.126"     | 1231       | 190.8     | (1) Max. Load, 5.5" bbl. |
| VihtaVuori      | 155gr Horn XTP-HP | 8.0gr VV-3N37    | 1.126"     | 1267       | 196.4     | (1) Max. Load, 5.5" bbl. |
| Jeff Gegner     | 155gr JHP         | 7.4gr VV-N350    | ?          | 1200       | 186       | (39)                     |
| VihtaVuori      | 155gr Horn XTP-HP | 7.5gr VV-N350    | 1.126"     | 1247       | 193.3     | (1) Max. Load, 5.5" bbl. |
| Layne Simpson   | 155gr Horn JHP    | 6.0gr W231       | ?          | 1144       | 177       | (8) 5.5" Bbl             |
| Layne Simpson   | 155gr Horn JHP    | 5.6gr WSL*       | ?          | 1131       | 175       | (8) 5.5" Bbl             |
| Hodgdon         | 155gr JHP         | 6.6gr Universal  | ?          | 1186       | 183.8     | (3) Max Load, 4" bbl.    |
| Winchester 14th | 155gr JHP         | 7.3gr WSF        | ?          | 1180       | 182.9     | (2) Max. Load            |
| Layne Simpson   | 155gr Horn JHP    | 7.2gr WSF        | ?          | 1161       | 179       | (8) 5.5" Bbl             |
| Hodgdon         | 155gr JHP         | 8.8gr HS6        | ?          | 1165       | 180.6     | (3) Max Load, 4" bbl.    |
| Winchester 14th | 155gr JHP         | 7.4gr WAP*       | ?          | 1170       | 181.4     | (2) Max. Load            |
| "Beavis"        | 155gr JHP         | 7.5gr WAP*       | 1.125"     | 1150       | 178       | (18)                     |
| Winchester 14th | 155gr JHP         | 8.5gr WW540*     | ?          | 1140       | 176.7     | (2) Max. Load            |
| Layne Simpson   | 155gr Horn JHP    | 8.6gr WW540*     | ?          | 1153       | 178       | (8) 5.5" Bbl             |

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|------------------|--------------------|------------------|------------|------------|-----------|--|
| Layne Simpson    | 155gr Hornady JHP  | 9.8gr HS7        | ?          | 1181       | 183       | (8) 5.5" Bbl                                   |
| Hodgdon          | 155gr JHP          | 10.0gr HS7       | ?          | 1180       | 182.9     | (3) Max Load, 4" bbl.                          |
| Layne Simpson    | 155gr Hornady JHP  | 9.9gr W571       | ?          | 1192       | 184       | (8) 5.5" Bbl                                   |
| Winchester 14th  | 155gr JHP          | 10.0gr W571      | ?          | 1180       | 182.9     | (2) Max. Load                                  |
| Layne Simpson    | 155gr Hornady JHP  | 10.4gr Blue Dot  | ?          | 1208       | 187       | (8) 5.5" Bbl                                   |
| Layne Simpson    | 155gr LSWC         | 6.0gr W231       | ?          | 1176       | 182       | (8) 5.5" Bbl                                   |
| Frank Caltabiano | 155gr LRN          | 6.4gr WST        | 1.140"     | 1147       | 177.7     | (14) 5" bbl                                    |
| Jess Botts       | 155gr Lead/Polymer | 6.0gr VV-N330    | 1.135"     | 1163       | 180       | (6) 5" Briley Bbl.                             |
| Tom Clatfelter   | 155gr LSWC         | 6.8gr AA5        | 1.130"     | 1089       | 168.8     | (59) 5" Bar-Sto Bbl, Chronographed at 95 degF. |
| Layne Simpson    | 155gr LSWC         | 7.8gr AA5        | ?          | 1192       | 184       | (8) 5.5" Bbl                                   |
| Fred Babbage     | 155gr Penn LRN     | 4.7gr WSL*       | 1.130"     | 1044       | 161.4     | (19) MINOR, 5" bbl                             |
| Layne Simpson    | 155gr LSWC         | 5.4gr WSL*       | ?          | 1180       | 182       | (8) 5.5" Bbl                                   |
| Layne Simpson    | 155gr LSWC         | 6.9gr WSF        | ?          | 1174       | 181       | (8) 5.5" Bbl                                   |
| Layne Simpson    | 155gr LSWC         | 8.4gr HS6        | ?          | 1198       | 185       | (8) 5.5" Bbl                                   |
| Peter Loron      | 155gr Lead/Polymer | 6.0gr VV-N340    | ?          | ?          | >175      | (5) Major 5" Bbl.                              |
| Layne Simpson    | 155gr LSWC         | 8.5gr WW540*     | ?          | 1173       | 181       | (8) 5.5" Bbl                                   |
| Layne Simpson    | 155gr LSWC         | 9.9gr AA7        | ?          | 1194       | 185       | (8) 5.5" Bbl                                   |
| Layne Simpson    | 155gr LSWC         | 9.3gr HS7        | ?          | 1173       | 181       | (8) 5.5" Bbl                                   |
| Layne Simpson    | 155gr LSWC         | 9.6gr Blue Dot   | ?          | 1201       | 186       | (8) 5.5" Bbl                                   |
| Cor-Bon          | 165gr +P           | FACTORY          | ?          | 1163.7     | 192.2     | (41)   |
| PMC              | 165gr              | FACTORY          | ?          | 1026.0     | 172.0     | (41)   |
| Speer            | 165gr Gold Dot     | FACTORY          | ?          | 1011.7     | 167.7     | (41)   |
| Steve Anderson   | 165gr Ranier HP    | 4.6gr Titegroup  | 1.125      | 888        | 146.5     | (63) MINOR Beretta 96 Elite II                 |
| Steve Anderson   | 165gr Ranier HP    | 5.4gr Titegroup  | 1.125      | 1018       | 167.9     | (63) Beretta 96 Elite II                       |
| Steve Anderson   | 165gr Ranier HP    | 6.0gr Power Pisl | 1.125      | 960        | 158.4     | (63) MINOR Beretta 96 Elite II                 |
| Steve Anderson   | 165gr Ranier HP    | 6.8gr Power Pisl | 1.125      | 1021       | 168.5     | (63) Beretta 96 Elite II                       |
| Tim Ubl          | 165gr Ranier FP    | 7.8gr True Blue  | 1.125      | 1070       | 176.6     | (61) 5" Bbl, clean load                        |
| Tim Ubl          | 165gr Ranier FNHP  | 6.1gr VV-N340    | 1.125      | 1053       | 173.8     | (61) 5" Bbl, Very clean, Light recoil          |

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|------------------|----------------------|------------------|------------|------------|-----------|-------------------------------|
| Norm Bolser      | 168gr LSWC           | 8.0gr AA5        | 1.200"     | 1069       | 179.6     | (16)                          |
| Norm Bolser      | 168gr LSWC           | 5.2gr WSL*       | 1.200"     | 1105       | 185.6     | (16)                          |
| Norm Bolser      | 168gr LSWC           | 6.5gr WSF        | 1.200"     | 1062       | 178.4     | (16)                          |
| Norm Bolser      | 168gr LSWC           | 6.7gr VV-3N37    | 1.200"     | 1061       | 178.2     | (16)                          |
| Dick Metcalf     | 170gr Hornady XTP-HP | 5.9gr WSL*       | 1.122"     | 1058       | 179.9     | (7) 4" barrel                 |
| Alliant          | 170gr Hornady JHP    | 7.3gr Pwr Pistol | 1.120"     | 1105       | 187.9     | (9) Max Load, 4" bbl          |
| Winchester 14th  | 170gr JHP            | 6.5gr WSF        | ?          | 1080       | 183.6     | (2) Max. Load                 |
| Winchester 14th  | 170gr JHP            | 6.7gr WAP*       | ?          | 1085       | 184.5     | (2) Max. Load                 |
| VihtaVuori       | 170gr Hornady HP     | 6.0gr VV-N340    | 1.126"     | 1118       | 190.0     | (1) Max. Load, 5.5" bbl.      |
| Winchester 14th  | 170gr JHP            | 7.7gr WW540*     | ?          | 1075       | 182.8     | (2) Max. Load                 |
| VihtaVuori       | 170gr Hornady HP     | 6.8gr VV-3N37    | 1.126"     | 1148       | 195.2     | (1) Max. Load, 5.5" bbl.      |
| VihtaVuori       | 170gr Hornady HP     | 6.6gr VV-N350    | 1.126"     | 1145       | 194.7     | (1) Max. Load, 5.5" bbl.      |
| Winchester 14th  | 170gr JHP            | 8.8gr WW571*     | ?          | 1080       | 183.6     | (2) Max. Load                 |
| Winchester 14th  | 170gr Lead           | 6.2gr WSF        | ?          | 1090       | 185.3     | (2) Max. Load                 |
| Winchester 14th  | 170gr Lead           | 6.4gr WAP*       | ?          | 1075       | 182.8     | (2) Max. Load                 |
| Fred Babbage     | 170gr S&S LSWC       | 6.0gr WW540*     | 1.130"     | 839        | 142.6     | (19) MINOR, 5" bbl Accurate   |
| Winchester 14th  | 170gr Lead           | 7.2gr WW540*     | ?          | 1060       | 180.2     | (2) Max. Load                 |
| Fred Babbage     | 170gr S&S LSWC       | 7.0gr WW540*     | 1.130"     | 1036       | 176.1     | (19) 5" bbl                   |
| Winchester 14th  | 170gr Lead           | 8.4gr WW571*     | ?          | 1070       | 181.9     | (2) Max. Load                 |
| Layne Simpson    | 175gr LSWC           | 5.0gr HP38       | ?          | 1071       | 187       | (8) 5.5" Bbl                  |
| Layne Simpson    | 175gr LSWC           | 5.1gr W231       | ?          | 1054       | 184       | (8) 5.5" Bbl                  |
| "Beavis"         | 175gr LSWC           | 5.0gr WST        | 1.125"     | 1003       | 175       | (18)                          |
| Larry Harrison   | 175gr LSWC           | 5.4gr WST        | 1.170"     | 1029       | 180       | (11) 5" Bbl                   |
| Frank Caltabiano | 175gr LSWC           | 5.7gr WST        | 1.140"     | 1025       | 179       | (14) 5" Bbl                   |
| Layne Simpson    | 175gr LSWC           | 6.7gr AA5        | ?          | 1077       | 188       | (8) 5.5" Bbl                  |
| Layne Simpson    | 175gr LSWC           | 4.8gr WSL*       | ?          | 1063       | 186       | (8) 5.5" Bbl                  |
| Frank Caltabiano | 175gr LSWC           | 6.2gr Pwr Pistol | 1.200"     | 1003       | 175.5     | (14) Para P16: 5" Bbl, dirty. |
| Frank Caltabiano | 175gr LSWC           | 6.6gr Pwr Pistol | 1.200"     | 1062       | 185.8     | (14) Para P16: 5" Bbl, dirty. |

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|--------------------|---------------------|-----------------|------------|------------|-----------|--|
| Layne Simpson      | 175gr LSWC          | 6.0gr WSF       | ?          | 1077       | 185       | (8) 5.5" Bbl                                   |
| Norm Bolser        | 175gr LSWC          | 6.4gr WSF       | 1.200"     | 1092       | 191.1     | (16)   |
| Layne Simpson      | 175gr LSWC          | 7.8gr WW540*    | ?          | 1076       | 186       | (8) 5.5" Bbl                                   |
| Layne Simpson      | 175gr LSWC          | 5.9gr Herco     | ?          | 1048       | 183       | (8) 5.5" Bbl                                   |
| Dick Metcalf       | 175gr CP LSWC       | 9.3gr AA7       | 1.125"     | 1016       | 177.8     | (7) 4" Bbl                                     |
| Layne Simpson      | 175gr LSWC          | 8.3gr AA7       | ?          | 1023       | 179       | (8) 5.5" Bbl                                   |
| Layne Simpson      | 175gr LSWC          | 8.3gr HS7       | ?          | 1063       | 186       | (8) 5.5" Bbl                                   |
| Layne Simpson      | 175gr LSWC          | 8.3gr Blue Dot  | ?          | 1090       | 190       | (8) 5.5" Bbl                                   |
| CCI Blazer         | 180gr               | FACTORY         | ?          | 1011       | 185.3     | (41)   |
| Cor-Bon            | 180gr +P            | FACTORY         | ?          | 1082.3     | 197.2     | (41)   |
| Federal            | 180gr Hydra-Shok    | FACTORY         | ?          | 1013.5     | 184.4     | (41)   |
| Speer              | 180gr Gold Dot      | FACTORY         | ?          | 1078.0     | 192.4     | (41)   |
| Speer Lawman       | 180gr               | FACTORY         | ?          | 1017.8     | 180.0     | (41)   |
| UMC                | 180gr               | FACTORY         | ?          | 962.2      | 169.7     | (41)   |
| Winchester         | 180gr "White Box"   | FACTORY         | ?          | 1046.8     | 190.4     | (41)   |
| Winchester         | 180gr Black Talon   | FACTORY         | ?          | 976.2      | 176.7     | (41)   |
| Winchester         | 180gr Super-X       | FACTORY         | ?          | 988.5      | 177.8     | (41)   |
| Jerry Harp         | 180gr Zero JHP      | 3.5gr Titegroup | 1.135"     | 780        | 140.4     | (60) Minor - Glock 35, very flat, light recoil |
| Jeffrey Vince-Cruz | 180gr Remington FMJ | 4.2gr Titegroup | 1.200"     | 787        | 141.6     | (71) STI 6" bull Bbl: "Open-gun-like recoil".  |
| John Merricks      | 180gr Mont. Gold    | 4.7gr Titegroup | 1.200"     | 948        | 170.6     | (66) Para 5" Bbl                               |
| Jeffrey Vince-Cruz | 180gr Remington FMJ | 4.8gr Titegroup | 1.200"     | 948        | 170.6     | (71) STI 6" bull Bbl                           |
| Sam Gardali        | 180gr Mont. Gold    | 4.9gr Titegroup | 1.215"     | 935        | 168.3     | (53) SVI 5" Bbl                                |
| Jerry Harp         | 180gr Zero JHP      | 4.0gr VV-N320   | 1.150"     | 825        | 148.5     | (60) Glock 22, for Production Div.             |
| Sam Gardali        | 180gr Mont. Gold    | 5.0gr VV-N320   | 1.150"     | 913        | 164.3     | (53) SVI 5" Bbl                                |
| Anthony Tan        | 180gr MT Gold FMJ   | 5.0gr VV-N320   | 1.155"     | 950        | 171.0     | (58) STI Edge                                  |
| M. Palmehorn       | 180gr TMJ-FP        | 5.1gr VV-N320   | 1.170"     | 950        | 171.0     | (69) CZ75 Standard IPSC                        |
| Dennis Kramer      | 180gr MT Gold       | 5.2gr VV-N320   | 1.170"     | 931        | 167.6     | (67) Para P16 5" Bbl                           |
| George Petrinac    | 180gr MT Gold FMJ   | 5.3gr VV-N320   | 1.200"     | 970        | 174.6     | (64) SVI 5" barrel, long dust cover.           |
| Louis Fellman      | 180gr D&J JFP       | 5.3gr VV-N320   | 1.215"     | 998        | 179.6     | (28) 5" Bbl.                                   |
| Lance Jennings     | 180gr Zero FTC      | 5.1gr VV-N320   | 1.166"     | 950        | 171       | (54) 5" Ultimatch barrel at 70 degF.           |

**.40 S&W IPSC Loads List**  
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| <b>WHO</b>       | <b>BULLET</b>         | <b>POWDER</b>    | <b>OAL</b> | <b>VEL</b> | <b>PF</b> | <b>NOTE(S)</b>                   |
|------------------|-----------------------|------------------|------------|------------|-----------|----------------------------------|
| Jeff Scott       | 180gr MT Gold FMJ     | 5.5gr WST        | 1.190"     | 952        | 171       | (70) Schuemann AET Ultimatch Bbl |
| Frank Caltabiano | 180gr JTC             | 5.7gr WST        | 1.140"     | 947        | 170.5     | (14) 5" Bbl                      |
| Federico Minlos  | 180gr FMJ             | 5.4gr WW231      | 1.230"     | 950        | 171       | (47) SVI Gun, 5" Bbl.            |
| Bruce Gary       | 180gr MT Gold FPCMJ   | 5.6gr WW231      | 1.145"     | 1000       | 180       | (55) 'Snappy' recoil             |
| Gordon Baladad   | 180gr MT Gold FMJTC   | 5.8gr WW231      | 1.200"     | 965        | 173.2     | (38) Minor. 5" Bbl.              |
| Tom Chambers     | 180gr MT Gold FMJ     | 5.3gr VV-N330    | 1.126"     | 950        | 171       | (51) Glock 35                    |
| Dick Metcalf     | 180gr Sierra JHP      | 7.2gr AA5        | 1.125"     | 977        | 175.9     | (7) 4" Bbl                       |
| Gordon Baladad   | 180gr MT Gold FMJTC   | 7.6gr AA5        | 1.200"     | 992        | 178.5     | (38) 5" Bbl.                     |
| Layne Simpson    | 180gr TMJ             | 6.3gr AA5        | ?          | 991        | 178       | (8) 5.5" Bbl                     |
| Dick Metcalf     | 180gr Sierra JHP      | 5.3gr WSL*       | 1.123"     | 995        | 179.1     | (7) 4" Bbl                       |
| Norm Bolser      | 180gr Win JHP         | 5.2gr WSL*       | 1.200"     | 997.1      | 179.5     | (16)                             |
| Gordon Baladad   | 180gr MT Gold FMJTC   | 5.4gr WSL*       | 1.200"     | 972        | 175.1     | (38) 5" Bbl.                     |
| Steve Anderson   | 180gr Berry's HP      | 6.0gr Pwr Pistol | 1.140"     | 843        | 151.7     | (63) MINOR Beretta 96 Elite II   |
| Steve Anderson   | 180gr Berry's HP      | 6.6gr Pwr Pistol | 1.130"     | 980        | 176.4     | (63) Beretta 96 Elite II         |
| Bud Connolly     | 180gr MT Gold CMJ     | 6.6gr Pwr Pistol | 1.125"     | 990        | 178.4     | (72) SIG Pro 2340, 3.86" Bbl     |
| Alliant          | 180gr Sierra JHP      | 6.9gr Pwr Pistol | 1.125"     | 1050       | 189.0     | (9) Max Load, 4" bbl             |
| Hodgdon          | 180gr JHP             | 5.8gr Universal  | ?          | 1046       | 188.3     | (3) Max Load, 4" bbl.            |
| Gordon Baladad   | 180gr MT Gold FMJTC   | 5.9gr Universal  | 1.200"     | 982        | 176       | (38) 5" Bbl.                     |
| Michael Neff     | 180gr W. Coast Plated | 5.7gr WSF        | 1.180"     | 921        | 165.8     | (75) P16 5" barrel               |
| Bruce Braxton    | 180gr Ranier FMJ      | 5.8gr WSF        | 1.210"     | 933        | 168.0     | (44) Chronoed at 55 degF.        |
| Norm Bolser      | 180gr Rem JHP         | 6.3gr WSF        | 1.170"     | 1012       | 182.2     | (16)                             |
| Winchester 14th  | 180gr JHP             | 6.2gr WSF        | ?          | 1040       | 187.2     | (2) Max. Load                    |
| Norm Bolser      | 180gr IMI FMJTC       | 6.2gr WSF        | 1.200"     | 1004       | 180.7     | (16)                             |
| Layne Simpson    | 180gr TMJ             | 6.0gr WSF        | ?          | 996        | 179       | (8) 5.5" Bbl                     |
| Layne Simpson    | 180gr TMJ             | 6.9gr HS6        | ?          | 1002       | 180       | (8) 5.5" Bbl                     |
| Hodgdon          | 180gr JHP             | 7.4gr HS6        | ?          | 997        | 179.5     | (3) Max Load, 4" bbl.            |
| Winchester 14th  | 180gr JHP             | 6.2gr WAP*       | ?          | 1020       | 183.6     | (2) Max. Load                    |
| Rob Ryan         | 180gr Star FMJ        | 6.5gr WAP*       | ?          | 1016       | 183       | (40) Glock 24                    |
| VihtaVuori       | 180gr Speer HP        | 6.0gr VV-N340    | 1.126"     | 1093       | 196.7     | (1) Max. Load, 5.5" bbl.         |
| Winchester 14th  | 180gr JHP             | 6.9gr WW540*     | ?          | 985        | 177.3     | (2) Max. Load                    |
| VihtaVuori       | 180gr Speer HP        | 6.7gr VV-3N37    | 1.126"     | 1097       | 197.5     | (1) Max. Load, 5.5" bbl.         |
| S. Whiteaker     | 180gr Ranier TC TCJ   | 5.5gr Universal  | 1.125"     | 984        | 177.1     | (49) Glock 35 (5.3" barrel)      |



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| <b>WHO</b>      | <b>BULLET</b>         | <b>POWDER</b>     | <b>OAL</b> | <b>VEL</b> | <b>PF</b> | <b>NOTE(S)</b>                       |
|-----------------|-----------------------|-------------------|------------|------------|-----------|--------------------------------------|
| S. Whiteaker    | 180gr Ranier TC TCJ   | 6.4gr PowerPistol | 1.125"     | 1004       | 180.7     | (49) Glock 35 (5.3" barrel)          |
| S. Whiteaker    | 180gr Ranier TC TCJ   | 6.6gr PowerPistol | 1.125"     | 1042       | 187.6     | (49) Glock 35 (5.3" barrel)          |
| VihtaVuori      | 180gr Speer HP        | 6.6gr VV-N350     | 1.126"     | 1126       | 202.7     | (1) Max. Load, 5.5" bbl.             |
| Joe Huffman     | 180gr Ranier FMJ      | 6.2gr VV-N350     | 1.130"     | 974        | 175.3     | (31) @40degF, STI Eagle              |
| S. Whiteaker    | 180gr Ranier TC TCJ   | 6.3gr VV-N350     | 1.125"     | 1033       | 185.9     | (49) Glock 35 (5.3" barrel)          |
| Joe Huffman     | 180gr MT Gold CMJ     | 6.4gr VV-N350     | 1.130"     | 992.6      | 178.7     | (31) @45degF, STI Eagle              |
| Dennis Kramer   | 180gr MT Gold         | 6.8gr VV-N350     | 1.169"     | 966.7      | 174.0     | (67) Para P16 5" Bbl                 |
| Hodgdon         | 180gr JHP             | 8.3gr HS7         | ?          | 1000       | 180.0     | (3) Max Load, 4" bbl.                |
| Winchester 14th | 180gr JHP             | 8.3gr WW571*      | ?          | 1015       | 182.7     | (2) Max. Load                        |
| S. Whiteaker    | 180gr Ranier TC TCJ   | 8.0gr SP2         | 1.125"     | 1055       | 189.9     | (49) Glock 35 (5.3" barrel)          |
| George Petrinac | 180gr West Coast TC   | 5.1gr VV-N320     | 1.200"     | 970        | 174.6     | (64) SVI 5" barrel, long dust cover. |
| Gordon Baladad  | 180gr Bear Creek LTC  | 4.8gr WW231       | 1.180"     | 935.8      | 166.6     | (45) 5" Bbl.                         |
| Mike Leone      | 180gr Lead            | 5.1gr WW231       | ?          | ?          | >175      | (30) Major                           |
| Sam Gardali     | 180gr West Coast FP   | 5.6gr VV-N330     | 1.200"     | 939        | 169       | (53) SVI 5" Bbl                      |
| Austin Hemphill | 180gr West Coast RNFP | 4.8gr WST         | 1.200"     | 938        | 168.8     | (52) SV with 5" KKM Bbl.             |
| Austin Hemphill | 180gr West Coast RNFP | 5.1gr WST         | 1.150"     | 978        | 176.0     | (52) SV with 5" KKM Bbl.             |
| Gordon Baladad  | 180gr Bear Creek LTC  | 6.6gr AA5         | 1.180"     | 965.2      | 173.7     | (45) 5" Bbl.                         |
| Norm Bolser     | 180gr LTC             | 7.0gr AA5         | 1.150"     | 988        | 176.3     | (16)                                 |
| Gordon Baladad  | 180gr LTC             | 7.2gr AA5         | 1.200"     | 982.0      | 176.8     | (38) 5" Bbl.                         |
| Chuck Rossi     | 180gr LFN             | 4.6gr WSL*        | 1.130"     | 1015       | 182.7     | (22)                                 |
| Gordon Baladad  | 180gr Bear Creek LTC  | 4.4gr WSL*        | 1.180"     | 928.1      | 167.1     | (45) 5" Bbl.                         |
| Gordon Baladad  | 180gr LTC             | 4.8gr WSL*        | 1.200"     | 1022       | 184       | (38) 5" Bbl.                         |
| Gordon Baladad  | 180gr Bear Creek LTC  | 5.4gr WSF         | 1.180"     | 956.7      | 172.2     | (45) 5" Bbl.                         |
| Norm Bolser     | 180gr LTC             | 6.5gr WAP*        | 1.150"     | 1023       | 182.6     | (16)                                 |
| Michael Boyd    | 180gr Valliant LTC    | 5.1gr VV-N340     | 1.135"     | 932        | 167.7     | (56) P16, 5" Bbl                     |
| David Robert    | 180gr Lead Conical    | 6.7gr WW540*      | 1.145"     | 997        | 179.5     | (10) 5" Bbl                          |
| Gordon Baladad  | 180gr LTC             | 7.2gr WW540*      | 1.200"     | 980.1      | 176.5     | (38) 5" Bbl.                         |
| Mark Hansche    | 180gr Copper-plated   | 6.9gr VV-3N37     | 1.126"     | 982        | 176.8     | (12)                                 |
| Chuck Rossi     | 180gr LFN             | 8.4gr AA7         | 1.130"     | 1006       | 181.1     | (22)                                 |
| Gordon Baladad  | 180gr LTC             | 8.6gr AA7         | 1.200"     | 1000       | 180       | (38) 5" Bbl.                         |
| Greg Gehle      | 180gr LRN             | 6.0gr VV-N350     | 1.125"     | 1034       | 186.1     | (24) 5" Bbl, Clean                   |

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|------------------|-------------------------|------------------|------------|------------|-----------|--------------------------|
| Michael Boyd     | 185gr Prec. Black LTC   | 4.6gr WW231      | 1.135"     | 924        | 170.8     | (56) P16, 5" Bbl         |
| Dick Metcalf     | 185gr LFN               | 6.2gr AA5        | 1.120"     | 967        | 178.9     | (7) 4" Bbl               |
| Dick Metcalf     | 185gr LFN               | 5.3gr WSL*       | 1.130"     | 1047       | 193.7     | (7) 4" Bbl               |
| Bobby Hough      | 185gr Black Bullets LTC | 4.6gr Universal  | 1.185"     | 924        | 171.0     | (62) STI Edge            |
| Michael Boyd     | 185gr Prec. Black LTC   | 4.9gr VV-N340    | 1.135"     | 905        | 167.5     | (56) P16, 5" Bbl         |
| Austin Hemphill  | 185gr LaserCast SWC     | 4.8gr VV-N340    | 1.200"     | 915        | 169.3     | (52) SV with 5" KKM Bbl. |
| Dick Metcalf     | 185gr LFN               | 8.5gr AA7        | 1.130"     | 959        | 177.4     | (7) 4" Bbl               |
| Alliant          | 190gr Sierra JHP        | 6.9gr Pwr Pistol | 1.130"     | 1020       | 193.8     | (9) Max Load, 4" bbl     |
| Dick Metcalf     | 195gr LFN               | 6.0gr AA5        | 1.132"     | 918        | 179.0     | (7) 4" Bbl               |
| Dick Metcalf     | 195gr LFN               | 5.0gr WSL*       | 1.132"     | 1054       | 200.5     | (7) 4" Bbl               |
| Don Hardy        | 200gr West Coast FP     | 4.7gr VV-N320    | 1.185"     | 849        | 169.8     | (57) 5" Bbl.             |
| Dick Metcalf     | 200gr Hornady FMJ-FP    | 5.0gr WST        | 1.133"     | 920        | 184.0     | (7) 4" Bbl               |
| Mark Stheiner    | 200gr D&J JTC           | 5.2gr WST        | 1.200"     | 885        | 177.0     | (32) Snappy              |
| Gordon Baladad   | 200gr Zero FMJTC        | 5.1gr WW231      | 1.200"     | 896        | 179.2     | (38) 5" Bbl.             |
| Frederico Minlos | 200gr D&J JTC           | 5.4gr WW231      | 1.222"     | 900        | 180.0     | (47) Major 5" Bbl        |
| VanGorder        | 200gr D&J JTC           | 5.9gr WW231      | 1.135"     | ?          | >175      | (20) Major 5" Bbl        |
| Chuck Bradley    | 200gr Zero FMTC         | 5.6gr VV-N330    | 1.240"     | 930        | 186       | (35) SV 5"               |
| Peter Beckett    | 200gr Zero FMTC         | 5.6gr VV-N330    | 1.210"     | 945        | 189       | (36)                     |
| Paul Stanfield   | 200gr D&J JTC           | 5.7gr VV-N330    | 1.235"     | 919        | 183.8     | (29) 5" Schuemann Bbl    |
| Gordon Baladad   | 200gr Zero FMJTC        | 6.7gr AA5        | 1.200"     | 885        | 177       | (38) 5" Bbl.             |
| Gordon Baladad   | 200gr Zero FMJTC        | 4.7gr WSL*       | 1.200"     | 879        | 175.8     | (38) 5" Bbl.             |
| Alliant          | 200gr Hornady FMJ       | 6.3gr Pwr Pistol | 1.130"     | 960        | 192.0     | (9) Max Load, 4" bbl     |
| Hodgdon          | 200gr JHP               | 4.7gr Universal  | ?          | 903        | 180.6     | (3) Max Load, 4" bbl.    |
| Louis Fellman    | 200gr D&J JFP           | 5.1gr Universal  | 1.215"     | 900        | 180       | (28) 5" Bbl.             |
| George Rank      | 200gr Zero FMTC         | 5.1gr Universal  | 1.200"     | 857        | 171.4     | (50) 5" Bbl.             |
| Gordon Baladad   | 200gr Zero FMJTC        | 5.1gr Universal  | 1.200"     | 900        | 180       | (38) 5" Bbl.             |
| Winchester 14th  | 200gr FMJ               | 5.7gr WSF        | ?          | 930        | 186.0     | (2) Max. Load            |
| Layne Simpson    | 200gr FMJ               | 6.2gr HS6        | ?          | 911        | 182       | (8) 5.5" Bbl             |
| Hodgdon          | 200gr JHP               | 6.8gr HS6        | ?          | 902        | 180.4     | (3) Max Load, 4" bbl.    |

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| <b>WHO</b>      | <b>BULLET</b>           | <b>POWDER</b>   | <b>OAL</b> | <b>VEL</b> | <b>PF</b> | <b>NOTE(S)</b>                           |
|-----------------|-------------------------|-----------------|------------|------------|-----------|--|
| Winchester 14th | 200gr FMJ               | 5.6gr WAP*      | ?          | 920        | 184.0     | (2) Max. Load                            |
| VihtaVuori      | 200gr Speer TMJ         | 5.3gr VV-N340   | 1.126"     | 961        | 192.2     | (1) Max. Load, 5.5" bbl.                 |
| Winchester 14th | 200gr FMJ               | 6.4gr WW540*    | ?          | 905        | 181.0     | (2) Max. Load                            |
| VihtaVuori      | 200gr Speer TMJ         | 5.8gr VV-3N37   | 1.126"     | 969        | 193.8     | (1) Max. Load, 5.5" bbl.                 |
| Dick Metcalf    | 200gr Hornady FMJ-FP    | 8.7gr AA7       | 1.133"     | 908        | 181.6     | (7) 4" Bbl                               |
| Layne Simpson   | 200gr FMJ               | 6.5gr HS7       | ?          | 917        | 183       | (8) 5.5" Bbl                             |
| Hodgdon         | 200gr JHP               | 7.4gr HS7       | ?          | 907        | 181.4     | (3) Max Load, 4" bbl.                    |
| VihtaVuori      | 200gr Speer TMJ         | 5.9gr VV-N350   | 1.126"     | 974        | 194.8     | (1) Max. Load, 5.5" bbl.                 |
| Mark Stheiner   | 200gr D&J JTC           | 6.1gr VV-N350   | 1.200"     | 880        | 176.0     | (32) Rolling recoil                      |
| Winchester 14th | 200gr FMJ               | 7.5gr WW571*    | ?          | 910        | 182.0     | (2) Max. Load                            |
| VihtaVuori      | 200gr Speer TMJ         | 7.9gr VV-N105   | 1.134"     | 1116       | 223.2     | (1) Max. Load, 5.5" bbl.                 |
| Greg Gehle      | 200gr Lead Moly TC      | 4.0gr VV-N320   | 1.125"     | 906        | 181.2     | (24) Major, Soft Shooting                |
| Dick Metcalf    | 200gr CP LSWC           | 4.9gr WST       | 1.130"     | 892        | 178.4     | (7) 4" Bbl                               |
| Mark Stheiner   | 200gr D&J LTC           | 4.6gr WST       | 1.200"     | 880        | 176.0     | (32) Very nice, soft                     |
| Michael Boyd    | 200gr GAT LTC           | 4.0gr WW231     | 1.135"     | 836        | 167.2     | (56) P16, 5" Bbl, Low recoil, consistent |
| Michael Boyd    | 200gr Prec. Black LTC   | 4.1gr WW231     | 1.135"     | 847        | 169.3     | (56) P16, 5" Bbl, Low recoil, consistent |
| Mike Leone      | 200gr Precision "Black" | 4.2gr WW231     | 1.135"     | 895        | 179       | (30) Low recoil, consistent              |
| VanGorder       | 200gr D&J LTC           | 4.3gr WW231     | 1.135"     | ?          | >175      | (20) Major 5" Bbl                        |
| Michael Boyd    | 200gr GAT LTC           | 4.2gr VV-N330   | 1.135"     | 834        | 166.8     | (56) P16, 5" Bbl                         |
| Greg Gehle      | 200gr Lead Moly TC      | 4.6gr VV-N330   | 1.125"     | 908        | 181.6     | (24) Major, Soft Shooting                |
| Dick Metcalf    | 200gr CP LSWC           | 5.9gr AA5       | 1.130"     | 887        | 177.4     | (7) 4" Bbl                               |
| Fred Babbage    | 200gr Penn TCBB         | 6.0gr AA5       | 1.130"     | 951        | 190.3     | (19) 5" Bbl                              |
| Gene Welch      | 200gr Qual. Lead/Polym  | 4.3gr Unique    | 1.120"     | 870        | 174.0     | (17) Witness: 4.75" Bbl                  |
| Gene Welch      | 200gr Qual. Lead/Polym  | 4.3gr Unique    | 1.120"     | 903        | 180.6     | (17) Glock 24: 6" Bbl                    |
| Gene Welch      | 200gr Qual. Lead/Polym  | 4.3gr Unique    | 1.140"     | 931        | 186.2     | (17) Glock 24: 6" Bbl                    |
| Jess Botts      | 200gr Qual. Lead/Polym  | 4.3gr Universal | 1.145"     | 886        | 177.0     | (6) 5" Bbl; Clean                        |
| Fred Babbage    | 200gr D&J LTC           | 4.2gr WSL*      | 1.200"     | 883        | 177.0     | (19) 5" bbl; mild recoil                 |
| Eric Linnhoff   | 200gr D&J LTC           | 4.5gr WSL*      | 1.185"     | 925        | 185.0     | (33) 5" Schuemann bbl                    |
| Dick Metcalf    | 200gr CP LSWC           | 4.5gr WSL*      | 1.130"     | 944        | 188.8     | (7) 4" Bbl                               |

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|-----------------|--------------------|------------------|------------|------------|-----------|------------------------------|
| Winchester 14th | 200gr Lead         | 5.0gr WSF        | ?          | 920        | 184.0     | (2) Max. Load                |
| Kevin Solito    | 200gr D&J LTC      | 5.0gr WSF        | 1.200"     | 897        | 179.4     | (21) 5" Bbl                  |
| Fred Babbage    | 200gr D&J LTC      | 5.0gr WSF        | 1.200"     | 892        | 178.4     | (19) 5" bbl                  |
| Ben Cheng       | 200gr Lead         | 5.0gr WSF        | ?          | 910        | 182.0     | (4) 5" Para Bbl              |
| Gene Welch      | 200gr Lead         | 5.2gr WSF        | ?          | 925        | 185.0     | (17)                         |
| Andrew Butts    | 200gr Cheycast LRN | 5.5gr Silhouette | 1.210"     | 835        | 167       | (68) 5" Bbl                  |
| Winchester 14th | 200gr Lead         | 4.9gr WAP*       | ?          | 900        | 180.0     | (2) Max. Load                |
| Michael Boyd    | 200gr GAT LTC      | 4.1gr VV-N340    | 1.135"     | 837        | 167.4     | (56) P16, 5" Bbl             |
| Fred Babbage    | 200gr Penn TCBB    | 6.0gr WW540*     | 1.130"     | 912        | 182.3     | (19) 5" bbl                  |
| Greg Gehle      | 200gr D&J LTC      | 5.2gr VV-3N37    | 1.125"     | 890        | 178.0     | (24) 5" Bbl, Low ES          |
| Mark Hansche    | 200gr Lead         | 5.4gr VV-3N37    | 1.126"     | 927        | 185.4     | (12)                         |
| Greg Gehle      | 200gr Lead Moly TC | 5.4gr VV-3N37    | 1.125"     | 900        | 180.0     | (24)                         |
| John Estelle    | 200gr LFP          | 5.5gr VV-3N37    | 1.126"     | 905        | 181       | (15) 4.75" bbl               |
| Greg Gehle      | 200gr D&J LTC      | 5.5gr VV-3N37    | 1.125"     | 938        | 187.6     | (24) 5" Bbl                  |
| Greg Gehle      | 200gr D&J LTC      | 5.5gr VV-3N37    | 1.125"     | 867        | 173.4     | (24) P229: 3.9" Bbl          |
| Erik Warren     | 200gr Bear Creek   | 5.6gr VV-3N37    | 1.150"     | 870        | 177       | (34) Tanfolio, 4.75" Bbl     |
| Andrew Butts    | 200gr Cheycast     | 5.4gr Longshot   | 1.210"     | 850        | 170       | (68)                         |
| Dick Metcalf    | 200gr CP LSWC      | 8.5gr AA7        | 1.130"     | 962        | 192.4     | (7) 4" Bbl                   |
| Greg Gehle      | 200gr D&J LTC      | 5.2gr VV-N350    | 1.125"     | 933        | 186.6     | (24) 5" Bbl, Clean           |
| Jess Botts      | 200gr Lead/Polymer | 5.22gr VV-N350   | 1.146"     | 883        | 176.6     | (6) 5" bbl                   |
| Eric Linnhoff   | 200gr D&J LTC      | 5.3gr VV-N350    | 1.185"     | 925        | 185.0     | (33) 5" Schuemann bbl, clean |
| Winchester 14th | 200gr Lead         | 6.5gr WW571*     | ?          | 900        | 180.0     | (2) Max. Load                |
| Dick Metcalf    | 205gr LFN          | 4.8gr WST        | 1.127"     | 881        | 180.6     | (7) 4" Bbl                   |
| Dick Metcalf    | 205gr LFN          | 4.4gr WSL*       | 1.127"     | 892        | 182.9     | (7) 4" Bbl                   |
| Dick Metcalf    | 205gr LFN          | 8.4gr AA7        | 1.127"     | 906        | 185.7     | (7) 4" Bbl                   |

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|                |                      |                 |        |       |       |                       |
|----------------|----------------------|-----------------|--------|-------|-------|-----------------------|
| John Harrison  | 220gr LTC            | 3.5gr VV-N320   | 1.170" | 809.1 | 178   | (43) 5" Bbl           |
| Don Hardy      | 220gr Precision Moly | 3.8gr VV-N320   | 1.185" | 806   | 177.3 | (57) 5" Bbl.          |
| Hoser Freeman  | 220gr D&J LTC-TJ     | 4.1gr WST       | ?      | ?     | >175  | (26) Major, 5" Bbl    |
| Mike Brakel    | 220gr D&J LTC-TJ     | 3.7gr AA2       | 1.200" | 800   | 176   | (36)                  |
| Gordon Baladad | 220gr D&J LTC        | 4.1gr WW231     | 1.200" | 818   | 179   | (38) 5" Bbl.          |
| Gordon Baladad | 220gr D&J LTC        | 5.3gr AA5       | 1.200" | 795.5 | 175   | (38) 5" Bbl.          |
| Gordon Baladad | 220gr D&J LTC        | 3.7gr WSL*      | 1.200" | 825   | 182   | (38) 5" Bbl.          |
| Steven Davis   | 220gr D&J LTC-TJ     | 4.0gr WSL*      | 1.230" | 810   | 178   | (27) 5" Bbl           |
| Gordon Baladad | 220gr D&J LTC        | 4.1gr Universal | 1.200" | 829   | 180   | (38) 5" Bbl.          |
| Peter Beckett  | 220gr D&J LTC        | 4.2gr VV-N330   | 1.178" | 828   | 182.1 | (46) 5" Kart Bbl.     |
| Brian Bilby    | 220gr D&J LTC-TJ     | 4.0gr WSF       | 1.180" | 818   | 180   | (25) 5" Bbl           |
| Mark Hansche   | 220gr D&J LTC-TJ     | 4.9gr VV-3N37   | 1.200" | 820   | 180.4 | (12) 5" Bbl           |
| Eric Linnhoff  | 220gr D&J LTC        | 4.6gr VV-N350   | 1.200" | 842   | 185.2 | (33) 5" Schuemann bbl |
| Mark Hansche   | 220gr D&J LTC-TJ     | 6.3gr WW571     | 1.200" | 815   | 179.3 | (12) 5" Bbl           |

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**Notes:**

1. VihtaVuori Reloading Guide For Rifles and Handguns 1-96 (Pamphlet), 1996, page 46. Listed loads are Maximum in this pamphlet.
2. Winchester Reloading Components Manual, 14th Edition 1-96 (Pamphlet), 1995, pp. 48-49. Listed loads are Maximum in this pamphlet. Winchester does not specify the length of their test barrel, nor the cartridge overall length.
3. Hodgdon Basic Reloaders Manual 1996 (Pamphlet), 1996, page 24. Listed loads are Maximum in this pamphlet. All these loads were for 4" barrel. Hodgdon does not specify the cartridge overall length.
4. Ben Cheng, via USENET(REC.GUNS) 5/27/96 (bencheng@ix.netcom.com).
5. Peter Loron, via email 6/28/96 (IPSC-L) (petert@baker.cnw.com). Bullet is Precision Cast polymer coated bullet.
6. Jess Botts, via email 6/28/96, 4/19/97 (IPSC-L) (jess@VNET.IBM.COM). Bullet is Precision Cast polymer coated Truncated Cone bullet.
7. Dick Metcalf, "The .40 S&W", Shooting Times, August 1990, pp.61-65. All velocities from 4" barrel. Federal 100 primers, Winchester cases, all Standard Deviation measurements are less than 10.
8. Layne Simson, The Custom Government Model Pistol, pp. 517-519. All velocities from 5.5" Heinie barrel, and Simpson reports that these loads are also Major in a 5" Bar-Sto barrel. Remington cases, Winchester WSP primers. Cartridge Overall Length is varied, but not specified.
9. Reloaders' Guide For Alliant Smokeless Powders (Pamphlet), 1995, page 65.
10. David Robert, via email 9/8/96 (IPSC-L) (drobert@prism.net)
11. Larry Harrison, via email 9/8/96 (IPSC-L) (sugarlaw@wt.net)
12. Mark Hansche, via email 9/8/96, 9/28/97 (IPSC-L) (mhansche@aubis.com). Mark advises that he blew out a case while developing the 3N37 200gr load, but attributes this to a worn out case which had been shot from a Glock many time.
13. Sven Westerlund, via email 9/8/96 (IPSC-L) (sven.westerlund@ostersund.mail.telia.com). Sven wants to warn you not to use this load in a stock Glock barrel, and also warns against using used brass in the Glock, claiming it *will* split. See the *Special Glock Safety Warning* on Page 2.
14. Frank Caltabiano, via email 9/9/96, 9/14/96, 1/15/97 (IPSC-L) (frankstr@snowcrest.net). Frank advises that the WST loads are all maximum in his gun, a Para Ordnance P16, and that Alliant Power Pistol powder seems dirtier than other powders he used.
15. John Estelle, via email 9/9/96 (IPSC-L) (jae@barrsys.com).
16. Norm Bolser, via email 9/9/96 (IPSC-L) (normal@worldnet.att.net).
17. Gene Welch, via email 9/11 10/7/96 (IPSC-L) (GNUTT21@aol.com).

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**Notes:**

18. "Beavis", via email 9/12/96, 11/16/98 (IPSC-L) (N2IPSC@CompuServe.COM). Federal 100 primers, Winchester brass. Test gun is Springfield P9 (5" bbl).
19. Fred Babbage, personal communications 9/22/96. STI Eagle 5.1 (5" barrel).
20. Adraian VanGorder, via email 10/2/96 (IPSC-L) (AVANGORDER@IMF.ORG).
21. Kevin Solito, via email 10/2/96 (IPSC-L) (kevins@wonderware.com). Para Ordnance P16, 5" barrel.
22. Chuck Rossi, on his Web page (<http://www.netgravity.com/employees/chuckr>). Contact him at [chuckr@netgravity.com](mailto:chuckr@netgravity.com)). This data is for Limited gun.
23. Chuck Rossi, on his Web page (<http://www.netgravity.com/employees/chuckr>). Contact him at [chuckr@netgravity.com](mailto:chuckr@netgravity.com)). This data is for an Open gun, a Tanfolio Gold Team with compensated barrel.
24. Greg Gehle, via email (IPSC-L) ([gvg@uswest.net](mailto:gvg@uswest.net)). Para Ordnance P16, 5" barrel, Winchester Small Pistol Primers, Starline brass.
25. Brian T. Bilby, via email (IPSC-L)
26. Hoser Freeman, via email (IPSC-L), 9/6/97, ([hoser130@juno.com](mailto:hoser130@juno.com)).
27. Steven R. Davis, via email (IPSC-L), 10/29/97, ([chsrd@davis.chem.olemiss.edu](mailto:chsrd@davis.chem.olemiss.edu)). Steven uses Starline brass and Winchester Small Pistol Primers.
28. Louis Fellman, via email (IPSC-L) 3/30/97, ([lfellman@monmouth.com](mailto:lfellman@monmouth.com)).
29. Paul Stanfield, via email, 4/7/97, ([Paul\\_Stanford@bigfoot.com](mailto:Paul_Stanford@bigfoot.com)).
30. Mike Leone, via email, (IPSC-L) 3/12/97, ([bonmike@snet.net](mailto:bonmike@snet.net)). Mike prefers a 200gr load.
31. Joe Huffman, via email, (IPSC-L) 3/3/98, 3/31/98( [JoeH@turbonet.com](mailto:JoeH@turbonet.com) ).
32. Mark Stheiner, via email, (IPSC-L) 2/24/98, 3/22/98 ([raceguns@tir.com](mailto:raceguns@tir.com)). Schuemann 5" barrel. Starline brass.
33. Eric Linnhoff, via email, (IPSC-L) 3/24/98, 3/30/98 ([eric10mm@qni.com](mailto:eric10mm@qni.com)). Schuemann 5" barrel. IMI brass.
34. Erik Warren, via email, (IPSC-L) 11/16/98 ([erik\\_warren@dantz.com](mailto:erik_warren@dantz.com))
35. Chuck Bradley, via email (IPSC-L) 5/19/98 ([ChuckBDVC@aol.com](mailto:ChuckBDVC@aol.com)).
36. Peter Beckett, via email (IPSC-L) 5/19/98 ([pbeckett@netcom.ca](mailto:pbeckett@netcom.ca)).
37. Mike Brakel, via email (IPSC-L) 7/22/98 ([mcb rakel@erols.com](mailto:mcb rakel@erols.com)).
38. Gordon Baladad, via email (IPSC-L) 5/24/98, 11/19/98 ([gbaladad@loop.com](mailto:gbaladad@loop.com)). Stock P16, Remington Small Pistol primers, mixed brass. 5-10 shot averages for velocities.

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**Notes:**

39. Jeff Gegner, via email (IPSC-L) 5/5/98 ([jgegner@iuk.edu](mailto:jgegner@iuk.edu)).
40. Rob Ryan, via email (IPSC-L) 5/5/98 ([rryan@inreach.com](mailto:rryan@inreach.com)).
41. Factory ammunition chronographed by Greg Lent, and reported in the June 1998 issue of the "In Touch" newsletter. A copy is available at <http://www.uspsa.org/intouch/9806.html>. There was no information on the gun used to test these loads.
42. Steve Mango, via email (IPSC-L) 11/16/98, 7/16/01 ([tbase@eznet.net](mailto:tbase@eznet.net)). Steve shoots a .40S&W Open class gun, with a Nowlin tri-port barrel, and uses WSP primers.
43. John Harrison, via email (IPSC-L) 11/21/98 ([predrill@bellsouth.net](mailto:predrill@bellsouth.net)). Para P16, Schuemann Ultimatch barrel, WSR primers, miscellaneous cases, crimp to 0.422".
44. Bruce Braxton, via email 3/30/01 ([Braxton1@aol.com](mailto:Braxton1@aol.com)) Tested in STI Edge.
45. Gordon Baladad, via email 7/15/00 ([aventura@cnmnetwork.com](mailto:aventura@cnmnetwork.com)). Para Ordnance P16, 5" barrel, Primers all WSR (gold variant), mixed cases. Bullets were Bear Creek 180gr Lead Truncated Cone (LTC).
46. Peter Beckett, via email (IPSC-L) 9/27/99 ([pbeckett@netcom.ca](mailto:pbeckett@netcom.ca)). Para P16, Kart barrel.
47. Federico Minlos, via email 8/13/99, 4/20/01, ([fminlos@berkley.com.ar](mailto:fminlos@berkley.com.ar), [dvc4you@yahoo.com](mailto:dvc4you@yahoo.com)) . SVI with Schuemann 5" barrel. Federal SP primers, Winchester nickelled brass.
48. Matt K, via email 4/10/99 ([the\\_hossage@yahoo.com](mailto:the_hossage@yahoo.com)). WSP primers (gold), Remington brass. Matt reports attempting to develop a good load with Vectan SP2 powder, but velocities were erratic, with 100+ fps spreads in 20-shot groups. <<LOADS REMOVED ON REQUEST 8/27/03>>
49. Stephen Whiteaker, via email 7/14/99, ([rstephenw@earthlink.net](mailto:rstephenw@earthlink.net)). Winchester once-fired brass, CCI 500 primers, 82-88 degF at time of chronographing.
50. George Rank, via email 4/11/01, ([grank@marshall.edu](mailto:grank@marshall.edu)). RP brass, WSR, taper crimp with about 0.0005" remaining bell to prevent rim from cutting into the bullet jacket. Chronoed at 65 degF in 5" Para 1911 with Storm Lake Machine bull barrel.
51. Tom Chambers, via email (IPSC-L) 4/18/01 ([tomdagadget@hotmail.com](mailto:tomdagadget@hotmail.com)). WSP Primer, tested in Glock 35.
52. Austin Hemphill, via email 4/10/01 ([Renomucker@aol.com](mailto:Renomucker@aol.com)). Shot through SV gun with 5" KKM barrel. West Coast RNFP is Round Nose Flat Point bullet.
53. Sam Gardali, via email (IPSC-L) 4/18/01 ([aircall1@aol.com](mailto:aircall1@aol.com)). SV gun.
54. Lance Jennings, via email (IPSC-L) 4/18/01 ([lancej@icsystems.net](mailto:lancej@icsystems.net)). SV gun with Schuemann Ultimatch barrel. Chronographed at 70 degF.
55. Bruce Gary, via email (IPSC-L) 4/20/01 ([bgary@halcyon.com](mailto:bgary@halcyon.com)). RP brass, WSP primers.



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**Notes:**

56. Michael Boyd, via email 4/28/01 ([wreckchek@bellsouth.net](mailto:wreckchek@bellsouth.net)). P16-40 LTD gun, 5" barrel, WSR primers, mixed brass.
57. Don Hardy, via email 7/12/01 ([ShootinD@aol.com](mailto:ShootinD@aol.com)). SV gun, 5" Schuemann barrel, Winchester small pistol primers and mixed brass.
58. Anthony Tan, via email 7/17/01 (<mailto:dvclimitedgun@earthlink.net>). STI Edge.
59. Tom Clatfelter, via email 8/10/01 (<mailto:tdclat@swbell.net>). 5" Bar-Sto barrel. Chronographed on 95 degF day..
60. Jerry Harp, via email 9/1/01, 1/1/02 (<mailto:JDCJH0381@cs.com>). Glock 22 in Production Division. Win cases, WSP primers. N320 load very consistent, soft/snappy recoil, 2" groups at 25 yards. Tite-Group load very flat shooting, very light recoil, 2 inches at 25.
61. Tim Ubl, via email 9/11/01 (<mailto:fortylimited@hotmail.com>). SVI 5" barrel,, Ramshot "True Blue" seems a clean burning powder for the .40S&W. Federal cases, Federal small rifle #205 primers.
62. Bobby Hough, on USPSA Guestbook, 4/5/02 ([azonebobby@yahoo.com](mailto:azonebobby@yahoo.com)). WSP small pistol primers, STI Edge.
63. Steve Anderson, via email 3/14/02 ([s.anderson@cddvdgametrader.com](mailto:s.anderson@cddvdgametrader.com)). Beretta 96 Elite II.
64. George Petrinac, via email 5/4/02 ([gpetrinac@sympatico.ca](mailto:gpetrinac@sympatico.ca)). SVI 5" barrel, long dust cover.
65. Michael Neff, via email 6/11/02 ([paraman1@cableone.net](mailto:paraman1@cableone.net)). Para Ordnance P16, 5" barrel, Winchester primers.
66. Jon Merricks, via email 7/26/02 ([jmsecurities@netmcr.com](mailto:jmsecurities@netmcr.com)). Para Ordnance 5" barrel.
67. Dennis Kramer, via email 6/24/02 ([kramer9@us.ibm.com](mailto:kramer9@us.ibm.com)). Para Ordnance 5" barrel.
68. Andrew Butts, via email 7/16/03 ([abutts2@earthlink.net](mailto:abutts2@earthlink.net)). Winchester Small Pistol primers.
69. Marcus Palmehorn, via email 2/26/03 ([pdaddy@chello.se](mailto:pdaddy@chello.se)). Clean burning, soft and nice in his gun. Measured at 16 – 18 degC.
70. Jeff W. Scott, via email 8/1/03 ([Jeff.Scott@pnl.gov](mailto:Jeff.Scott@pnl.gov)). CCI-500 Small Pistol Primers. Very consistent shot-to-shot, and in variety of temperatures and altitudes.
71. Jeffrey Vince-Cruz, by email 4/15/03 ([prof\\_ptoniums\\_lab@hotmail.com](mailto:prof_ptoniums_lab@hotmail.com)). STI 6" bull barrel, Unique slide and extended dust cover. Loads used Winchester brass, Federal 205 primers.
72. Bud Connolly, via email 10/24/03 ([budc@ncweb.com](mailto:budc@ncweb.com)). SIG Pro 2340, Barrel 3.86". Load measured standard deviation = 8.26 for 20 rounds, ES = 33fps..

Please send any corrections or additions to [jmaass@columbus.rr.com](mailto:jmaass@columbus.rr.com).

The .38 Super, 9x21, and .40 S&W IPSC Loads Lists can be viewed at and downloaded from Maass' IPSC Resources Page at: <http://home.columbus.rr.com/jmaass/index.html> Copyright © 2001 J. A. Maass.