



50 GI Loading Data

Factory and Handloading Reference

Factory Loads

Bullet	Powder / Charge	OAL	Velocity	Notes
300 gr JFP	5.1 gr Hodgdon Titegroup	1.220"	Approx. 720 fps (listed as 700 fps)	All-around good defense load; recoils like a standard .45 ACP.
275 gr JHP	7.8 gr Alliant Unique	1.220"	Approx. 890 fps (listed as 875 fps)	Excellent compromise between power and controllability.
185 gr CHP (Copper Hollow Point)	8.7 gr Alliant Bullseye	1.220"	Approx. 1,200 fps	Close to 600 foot-pounds of energy with mild recoil. Solid CHP bullets are individually turned on a high-precision CNC lathe for extreme accuracy. Upon impact, CHP expands to a full 1" diameter; a formidable self-defense round.
230 gr CHP (Copper Hollow Point)	7.1 gr Alliant Bullseye	1.220"	Approx. 1,000 fps	Same design as the 185 gr CHP. The heavier bullet results in deeper penetration while still expanding to 1" diameter; great for self-defense.

Handloader Loads

Bullet	Powder / Charge	OAL	Velocity	Notes
300 gr IMJHP	5.8 gr Hodgdon Titegroup	1.220"	Approx. 800 fps	Very accurate, controllable and pleasant to shoot, with plenty of stopping power.
240 gr Lead SWC	4.4 gr Vihtavuori N-310	1.230"	Approx. 750 fps	Light target/plinking load; extremely accurate and very light recoil.
300 gr Speer TMJ	8.0 gr Alliant Herco	1.220"	Approx. 875 fps	Stout self-defense load; also suitable for smaller bears, wild boar and medium-sized deer. Recoils like a +P .45 ACP / factory 10 mm.

Midrange Loads

All loads in this section use a cartridge OAL of 1.220".

GI 300 gr JFP

Bullet	Powder / Charge	OAL	Velocity	Notes
300 gr JFP	6.5 gr Hodgdon Universal	1.220"	800 fps	Midrange load.
300 gr JFP	5.5 gr Alliant Bullseye	1.220"	740 fps	Midrange load.
300 gr JFP	7.0 gr Vihtavuori N-330	1.220"	775 fps	Midrange load.

GI 275 gr JHP

Bullet	Powder / Charge	OAL	Velocity	Notes
275 gr JHP	5.4 gr Hodgdon Titegroup	1.220"	770 fps	Midrange load.
275 gr JHP	8.2 gr Alliant Power Pistol	1.220"	860 fps	Midrange load.
275 gr JHP	7.2 gr Alliant Herco	1.220"	815 fps	Midrange load.

Reloading Notes

Crimp recommendation

Apply a firm taper crimp when reloading the 50 GI. A case diameter at the case mouth of .5235"-.5240" works well.

Load approach

Approach all loads with caution; start with loads reduced 10%. Use CCI, Remington or WW Large Pistol Primers when loading for our M1, M2 or M3 pistols.

When loading for our 50 GI conversion unit for the Glock 20/21, we recommend Federal, WW or Remington Large Pistol primers. The CCI primers are hard and the Glock striker (firing pin) might not reliably set off the primer.