

22lr Powder Testing CuRx™ 32gr bullets

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NOTES ABOUT TESTING

- These tests were performed to provide maximum, or close to maximum charges with all powders available
- Further accuracy testing to follow with custom rifles
- Most powders tried had an accuracy node at some point going up in charge from starting point
- Barrels fouled with lead bullets produce more pressure than clean barrels that have never had lead run through them
- As always with handloading, start 10% below maximum charges and work up slowly

Rifles Used	Twist Rate	Barrel Length	Type	Notes
Ruger American	1-16"	21"	Production Rifle	Barrel fouled with lead bullets prior to testing
Blaser R8	1-16"	21"	Production Rifle	Barrel fouled with lead bullets prior to testing

Slowest to Fastest

Powder	Max Load(gr)	Min Load(gr)	Rifle	Velocity(at max)	Group (50yds)	Notes
CUTTING EDGE— BULLETS						
H110	Too Slow					
H Lil' Gun	Too Slow					
Vihrt N110	Too Slow					
Alliant Steel	Too Bulky					
AA#9	4.20	3.50	R8	1619(53ES)	<3/4"	Good Potential. Further testing required for best accuracy and Vel.
Enforcer	NO					
Alliant 2400	3.9(compressed)	3.45	R8	1411fps	<1/2"	Max charge produced lower velocity than accuracy charge of 3.76gr.
Alliant 410	3.30	2.90	R8	1294-1567	1/2"	Excellent Potential. Further testing required for best accuracy and Vel.
Longshot	2.90	2.20	R8	1746(24ES)	<3/8"	Excellent accuracy and velocity. Powder burns much faster than where it is listed on the burn charts. Use caution on max load.
AA#7	3.90	3.20	R8	1770fps(20ES)	<3/4"	Excellent Potential. Further testing required
Blue Dot	3.40 Compressed	3.00	R8	1625fps(100ES)	1/4"	Excellent accuracy. Poor velocity spread
Vihrt N350	2.66	2.10	R8	1650fps	<1/2"	Good groups from 2.60 grains to 2.66 grains
Vihrt 3N37	2.90	2.10	R8/Ruger		1/2-3/4"	Produced good groups from 2.6-2.8 grains. Further testing required
Ramshot Silhouette	3.00	2.20	Ruger	1792fps		2.9-3.0 grains produced huge velocity spread. Velocity calmed down at 2.8gr. Did not like Ruger chamber.
Ramshot Silhouette	3.00	2.20	R8	?	3/4"	Needs tested further in the R8 but not the Ruger. Seems to be chamber sensitive.
AutoComp	2.70	2.20	Ruger	1746fps(9ES)	1/2"	Excellent Potential. Further testing required.
HS-6	3.30	2.20	Ruger	1746fps(10ES)	<1"	Excellent Potential. Further testing required. Over 3.3gr produced incomplete burn with excessive velocity spread
AA#5	3.10	2.00	Ruger	1682fps(9ES)		Excellent Potential. Further testing required
AA#5	3.20	2.00	R8	1640fps(16ES)	<1"	Excellent Potential. Further testing required
IMR HySkor 800X	3.00	2.40	R8	1710fps(32ES)	<3/4"	Bulky powder. Severely compressed
IMR HySkor 800X	2.90	2.40	Ruger	1704fps(14ES)		Bulky powder. Severely compressed
Vihrt N340	2.44	2.00	R8	1622	<1"	Excellent Potential. Further testing reqd for best accuracy and Vel.
Win. WSF	2.44	1.90	R8	1641	3/4"	Excellent Potential. Further testing reqd for best accuracy and Vel.
Herco	2.60	1.90	R8	1664(27ES)	1/2"	Excellent accuracy and velocity. 2.00,2.40,2.60 Produced 1/2" group 1 shot each loadwhile finding max load. Compressed
Power Pistol	2.82	2.00	R8	1728		Ladder tested only. Charges over 2.78gr showed loss in velocity
Universal	2.08	1.70	R8	1489		2.10 is likely maximum charge. Powder not recommended
Unique	2.40	1.90	R8	1575	3/8"	Showed 3/8" group with 42ES at max charge. Max is nor max pressure but max case fill. Can possibly compress up to 2.46gr. Gen 1 bullet
Alliant 20/28	2.46	1.80	R8	1724(16ES)	5/8"	Excellent results during ladder test. 6 loads 2 shot each produced 1/2" group. Gen 1 bullet
Ramshot Zip	2.54	1.80	R8	1692	3/8"	Good choice. Test further at <2.50gr charge. Case blew at 2.56 grains. Gen 1 bullet