

22lr CuRx Powder Testing 32gr bullets



Rifles Used	Twist Rate	Barrel Length	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



CAUTION:	Ensure Bullet exits the barrel on minimum charge loads before firing another round and proceeding up in charge. Go up in charge very small amounts compared to center fire cartridges. Never start at Maximum charge noted.
Note:	A precision reloading scale with a resolution of .02 maximum is required for loading rimfire cartridges.

Slowest to Fastest							
Powder	Max Load(gr)	Min Load(gr)	Rifle	Velocity (at max)	Accuracy vel.	Group	Notes
<u>Win 296</u>							
H110	Too Slow						
H Lil'Gun	Too Slow						
Vihnt N110	Too Slow						
Alliant Steel	Too Bulky						
AA#9	4.20	3.50	R8	1619(53ES)	1500-1560	<3/4"	Good Potential. Further testing required for best accuracy and Vel.
Enforcer	NO						
Alliant 2400	3.9(compressed)	3.45	R8	1411fps	1460(40ES)	<1/2"	Max charge produced lower velocity than accuracy charge of 3.76gr.
Alliant 410	3.30	2.90	R8	1294-1567	3.28gr 1538fps(15ES)	1/2"	Excellent Potential. Further testing required for best accuracy and Vel.
Longshot	2.90	2.20	R8	1746(24ES)	2.82gr 1734(8ES)	<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)	same	<3/4"	Excellent Potential. Further testing required
Blue Dot	3.40 Compressed	3.00	R8	1625fps(100ES)	same	1/4"	Excellent accuracy. Poor velocity spread
Vihnt N350	2.66	2.10	R8	1650fps	1608-1633fps	<1/2"	Good groups from 2.60 grains to 2.66 grains
Vihnt 3N37	2.90	2.10	R8/Ruger		1375-1450fps	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	?	1553-1619fps	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)	1691fps(36ES)	1/2"	Excellent Potential. Further testing required.
HS-6	3.30	2.20	Ruger	1746fps(10ES)	same	<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)	same	<1"	Excellent Potential. Further testing required
IMR HySkor 800X	3.00	2.40	R8	1710fps(32ES)	same	<3/4"	Bulky powder. Severely compressed
IMR HySkor 800X	2.90	2.40	Ruger	1704fps(14ES)	?		Bulky powder. Severely compressed
Vihnt N340	2.44	2.00	R8	1622	2.42 1610fps(18ES)	<1"	Excellent Potential. Further testing reqd for best accuracy and Vel.
Win. WSF	2.44	1.90	R8	1641	2.42 1600fps(8ES)	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)	2.40 1690fps(23ES)	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	2.50 1674fps(15ES)	3/8"	Good choice. Test further at <2.50gr charge. Case blew at 2.56 grains. Gen 1 bullet
Winchester WST							
Titegroup							
Vihnt N110	Too slow						
Alliant Steel	Too bulky						