



*Crimping is not required for single shot rifles.

*This data is intended for use only in Ruger #1 & #3 rifles in good condition. Do not use this data in any other type of firearm.

*The SAAMI MAP value for this cartridge is 28,000 psi. We shot the Ruger #1 data to 55,000 psi.

*The COALs with Barnes Original Spitzer bullets, as well as with 300 and 350 grain Spitzer TSX bullets, exceed the SAAMI maximum COAL of 2.550". This is not an issue, as these bullets and loads are intended for use only in Ruger #1 and #3 single shot rifles.

◆ Indicates most accurate load

.45-70 Ruger No. 1

Bullet Weight: 250 gr **Case Trim Length:** 2.095" **S.D.** 0.170
Bullet Style: TSX FN **Primer:** Fed GM210M **B.C.** 0.136
COAL: 2.515" **Barrel Length:** 24"
Case: Starline **Twist Rate:** 1:20"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
◆ VIT N110	41.0	2444	44.0	2568	91
AA 1680	59.0	2631	63.0	2816	105

Bullet Weight: 300 gr **Case Trim Length:** 2.095" **S.D.** 0.204
Bullet Style: Original SP **Primer:** Fed GM210M **B.C.** 0.291
COAL: 2.640" **Barrel Length:** 24"
Case: Starline **Twist Rate:** 1:20"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
VIT N120	51.5	2409	55.5	2562	94
◆ AA 1680	54.0	2450	59.0	2588	91

.45-70 Ruger No. 1

Bullet Weight: 300 gr

Case Trim Length: 2.095"

S.D. 0.204

Bullet Style: Original FN

Primer: Fed GM210M

B.C. 0.227

COAL: 2.515

Barrel Length: 24"

Case: Starline

Twist Rate: 1:20"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
VIT N120	52.0	2416	57.0	2567	95
♦ AA 1680	55.0	2441	60.5	2582	92

Bullet Weight: 300 gr

Case Trim Length: 2.095"

S.D. 0.204

Bullet Style: TSX FB

Primer: Fed GM210M

B.C. 0.230

COAL: 2.770"

Barrel Length: 24"

Case: Starline

Twist Rate: 1:20"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
H4198	52.5	2394	57.5	2569	105
♦ RL 7	53.0	2299	58.5	2505	105

Bullet Weight: 300 gr

Case Trim Length: 2.095"

S.D. 0.204

Bullet Style: TSX FN

Primer: Fed GM210M

B.C. 0.163

COAL: 2.515"

Barrel Length: 24"

Case: Starline

Twist Rate: 1:20"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
♦ IMR 4227	44.0	2213	47.0	2326	101
AA 1680	53.0	2364	56.0	2488	104

.45-70 Ruger No. 1

Bullet Weight: 350 gr
Bullet Style: TSX FB
COAL: 2.770"
Case: Starline

Case Trim Length: 2.095"
Primer: Fed GM210M
Barrel Length: 24"
Twist Rate: 1:20"

S.D. 0.238
B.C. 0.271

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
♦ IMR 4227	40.5	1964	44.5	2102	91
AA 1680	42.5	1986	46.5	2139	81

Bullet Weight: 400 gr
Bullet Style: Original FN
COAL: 2.515
Case: Starline

Case Trim Length: 2.095"
Primer: Fed GM210M
Barrel Length: 24"
Twist Rate: 1:20"

S.D. 0.272
B.C. 0.302

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
♦ H4198	46.0	2009	50.0	2162	103
RL 7	48.0	1996	52.0	2157	105

Bullet Weight: 400 gr
Bullet Style: Original SP
COAL: 2.640"
Case: Starline

Case Trim Length: 2.095"
Primer: Fed GM210M
Barrel Length: 24"
Twist Rate: 1:20"

S.D. 0.272
B.C. 0.389

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
VIT N120	44.0	1982	47.5	2117	95
AA 1680	45.5	2006	50.0	2185	91