

CVA Cascade & Scout Caliber Chart

CVA Maximum approved pressures by Caliber

Bolt-Action — CVA Cascade

Caliber	SAAMI Max Average Pressure (psi)
.204 Ruger	57,500
.223 Rem	55,000
.22-250 Rem	65,000
22 Creedmoor	62,000
6mm Creedmoor	62,000
.243 Win	60,000
25 Creedmoor	62,000
6.5 Creedmoor	62,000
6.5 PRC	65,000
.270 Win	65,000
7mm-08 Rem	61,000
7mm Rem Mag	61,000
7mm PRC	65,000
.28 Nosler	65,000
.300 Blackout	55,000
.308 Win	62,000
.30-06 Springfield	60,000
.300 Win Mag	64,000
.300 PRC	65,000
.338 Win Mag	64,000
.350 Legend	55,000
.35 Whelen	62,000
.450 Bushmaster	38,500

Note: 7mm-08 Rem and 7mm Rem Mag are both rated slightly lower (61,000 psi) than most peer cartridges, a long-standing SAAMI convention for those rounds.

Break-Action — CVA Apex, Scout (all sub-models), Hunter, Optima Elite

Caliber	SAAMI Max Average Pressure (psi)
.222 Rem	50,000
22 ARC	52,000
.223 Rem	55,000
22-250 Rem	65,000
22 Creedmoor	62,000
6 ARC	52,000
.243 Win	60,000
25 Creedmoor	62,000
6.5 Creedmoor	62,000
.270 Win	65,000
7mm-08 Rem	61,000
7mm Rem Mag	61,000
.300 Blackout	55,000
.308 Win	62,000
.30-06 Springfield	60,000
.300 Win Mag	64,000
338 ARC	52,000
.350 Legend	55,000
.357 Magnum	35,000
.35 Remington	33,500
.360 Buckhammer	50,000
.35 Whelen	62,000
.400 Legend	45,000
.44 Magnum	36,000
.444 Marlin	42,000
.450 Bushmaster	38,500
.460 S&W Magnum	65,000
.45-70 Government	28,000

Note: .44 Magnum, .444 Marlin, and .35 Remington pressures are modern SAAMI piezo-transducer figures (older data may cite CUP). .357 Magnum is the SAAMI handgun-cartridge rating, and the .460 S&W Magnum figure (65,000 psi) comes from published cartridge data. .45-70 Government's 28,000 psi is the standard SAAMI rating, set for the weakest actions in circulation; stronger single-shot actions are often loaded well above it by handloaders, which exceeds the official SAAMI specification.