

Initial Recoil Reduction Data

Test equipment: Lead sled attached to custom machined linear rails. Weighted damper/return line calibrated for near maximum (up to 27") sled movement in bare muzzle condition.

Average recoil distance of 3 shots for each sample.

308 Winchester

Test Rifle: Remington 700 SPS-T 16" 308 Win

Ammo: S&B 180 gr SP

	Avg Recoil	Recoil Reduction %
JP Enterprises 2 port brake	12.3"	49%
Generic Radial Brake	12.75"	47.2%
YeTi 7.62mm (with Bolt-on-Brake)	13.75"	43.1%
Sasquatch 7.62mm (w/ Bolt-on-Brake)	14.9"	38.3%
YeTi 7.62mm (no brake)	18.17"	24.8%
Sasquatch 7.62mm (no brake)	19"	21%
Bare muzzle	24.17"	0%

*Further testing will have more effective securing mechanism of rifle in sled.

** High wind may have effected results <4-5%

6.5mm Creedmoor

Test Rifle: Weatherby Vanguard Weatherguard 20" 6.5 CM

Ammo: S&B 140 gr FMJ

	Avg Recoil	Recoil Reduction %
JP Enterprises 2 port brake	7.42"	45%
YeTi 6.5mm (with brake)	8.5"	37%
YeTi 7.62mm (with brake)	8.7"	35.3%
Sasquatch 6.5mm (with brake)	8.83"	34.6%
Sasquatch 7.62mm (with brake)	9.17"	32.1%
YeTi 6.5mm (no brake)	10.92"	19.1%
YeTi 7.62mm (no brake)	11.08"	17.9%
Sasquatch 6.5mm (no brake)	11.7"	13.3%
Sasquatch 7.62mm (no brake)	12"	11.1%
Bare muzzle*	13.5"	0%

* Bare muzzle (maximum) recoil insufficient to get full travel on recoil sled