

### MAX FPS/Joule and BB weight Chart

Max FPS	Max Joules	Max BB Weight	M.E.D.	Additional Requirements
Green Class	1.49	0.32	50' Full Auto	Must switch to Semi Automatic if target is 50' or less
Red Class	2.32	0.45	100'	Bolt-Action Rifles Only. Must switch to Green Class if target is 100' or less
Pistols	1.49	0.32	0' Single Fire, 50' Full Auto	
HPA	All HPA guns must be chrono'd and tournament locked on each game day. HPA guns are subject to IN-GAME BB weight and Chronograph spot checks.			

#### M.E.D. Explanation:

**Minimum Engagement Distance. The Minimum Distance a player must be from another player to shoot.**

I.E; The player is using a green class gun. IF that gun has full auto capability the player must be 50' or more from the target player to shoot in full auto.

If the opposing player is 50' or less, the player shooting must switch semi-auto to shoot.

The player is using a bolt-action rifle that is Red Class. The player can only shoot another player that is outside of the 100' minimum engagement distance.

If the opposing player is 100' or less the Red Class player must switch to a Green Class weapon to shoot.

#### Additional Rules

- Binary Triggers are considered full-auto at this field. 1 full trigger pull and release can only dispense 1 BB.
- Shotguns will be used at the discretion of staff on site and cannot be allowed until staff have examined the shotgun.

#### Simplified Max FPS based on BB weight chart

Max Joules	Class	BB Weight	0.2	0.25	0.28	0.3	0.32	0.36	0.4	0.43	0.45
1.49J	Green	Max FPS	400	359	339	328	317	NA	NA	NA	NA
2.23J	Red	Max FPS	NA	NA	NA	400	388	366	347	335	327
		NA=Not Allowed in that class of gun									

#### How to use the chart:

Determine what class your gun is, Green or Red. IE; we have a green class gun because it is not a bolt-action rifle.

Next, choose your BB weight. We have .30g (gram) BB's.

Our gun is Green class using .30g BB's. Our Max Joules is 1.49. Our max FPS for .30g BB's is 328 FPS.

If we choose another weight of BB's, .28g this time. Our Green Class gun has a max FPS of 339 FPS with .28g BB's.

If your gun shoots above it's FPS limit for it's class and any weight of BB it will be disallowed for play.