SCHEEL MFG

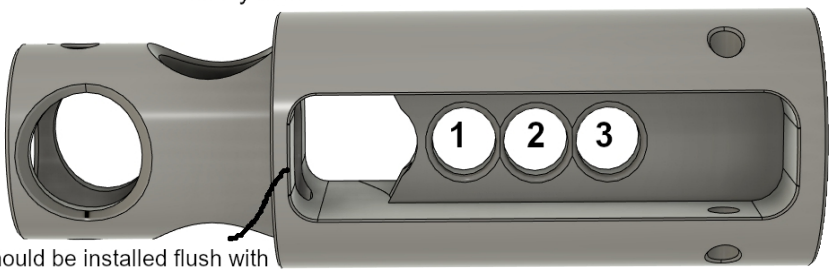
PCC

Roller-Delayed Buffer System – RDBS
Load / Spring Recommendations

Bullet Grain Velocity	Spring Settings
Corey's USPSA- 147RN @880fps-	stiff spring in hole 1, weak in hole 2.
Seiffert's USPSA- 124TC @1120fps-	weak springs in holes 1, 2 and 3.
Outdoor Dynamics PCC 124@1090fps-	stiff spring in hole 1, weak in hole 2.
Outdoor Dynamics Librarians 147@925fps-	Stiff spring in hole1, weak in holes 2 and 3.
Federal Syntech 130 PCC 130@1050fps	stiff spring in hole 2.
115 USPSA load 115 @1130fps-	weight installed, stiff springs in holes 1 and 2.
100grain steel challenge 100@ 700fps-	weak spring in hole 2.
147 factory @1000fps-	stiff spring in hole 1, weak in holes 2 and 3.
124 factory @1150fps-	stiff springs in holes 1 and 2.
115 Factory @1200+fps-	weight installed, stiff springs in holes 1, 2 and 3.

These are suggestions based on many different shooters' personal preferences and individual firearms. Your results may vary.

Buffer Body Hole Locations



Weight should be installed flush with this surface.

We include a removable weight that can be installed to give more adjust-ability. The weight is threaded into the buffer body under the rubber bumper tip. We recommend adding the weight for hot factory loads or hotter loads with light bullets. To install you must remove the rubber bumper tip by pushing out the 1/8" pin and puling out the rubber tip. Apply thread locker to the weight and thread it into the buffer body. The weight should be installed flush with the bottom of the hole (see diagram) to prevent interference with the rollers. Reinstall the rubber tip and pin after adding the weight. When installing the weight **always** use loctight and be sure the weight isn't installed too deep and interfering with the rollers.

When adjusting, the goal is to find a setting that best matches your firearm and load. Too light of a lockup and the bottoming out of the stroke can be harsh. Too stiff of a lockup can have more initial recoil and cause premature wear of the buffer system. A balance of initial shot recoil, stroke "bottoming out" recoil, and stroke going into battery "muzzle dip" can be achieved.

Troubleshooting: email CoreyScheel@hotmail.com

ScheelMFG.com

REV 2.23