360 BULLET

BEST PRACTICES

✪ MAXIMUM FRACTURE

Shatter the soil profile from shank to shank, leaving an even sub-soil profile.

✪ ELIMINATE DENSITY CHANGES

Helps water move throughout the soil profile by increasing fracturing across your soil profile, which benefits soil infiltration and capillary action. When water can flow freely through the soil without being inhibited by a compaction layer, it will allow roots easier access to essential nutrients.

✪ SMOOTHER PLANTING

More uniform seeding depth and plant development comes from a uniform soil environment. Density changes in the undisturbed berms can affect planter downforce which impacts seeding depth.

360 | 360 BULLET™

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INSTALLATION TIPS

Push the 360 BULLET until it fully seats onto the ripper shank. There should be solid contact between the shank tip and point's bracket. Insert the retaining bolt and make sure there is clearance around the bolt. If the bolt is tight against the bracket, inspect the shank for excessive wear -- consider replacing the worn shank. When the top-lock nut is installed on the retaining bolt, the bolt should still be able to spin in the shank/point hole.

Once the 360 BULLET is fastened correctly, check to make sure the ripper is level. To ensure proper leveling, lower the machine in the ground, accelerate to operating speed, and measure the depth of the front and back disk gangs. If the implement is properly leveled the disk gangs should be at the same depth. The large beams on the ripper frame should appear level.

Use a probe to check for depth. Traditionally, width from shank to shank divided in half equals the depth needed for maximum shatter. For example, 24" shanks should run at 12" deep for maximum shatter. But the 360 BULLET changes the traditional soil-fracture dynamics and in many soils and many moisture conditions, maximum fracture can be achieved with slightly less depth. By taking time to measure and probe, you may be able to raise the ripper slightly and still achieve maximum fracture.

KEYS TO OPTIMIZING PERFORMANCE

A properly leveled ripper will help the longevity of 360 BULLET, ensuring most of the force from the soil is funneled towards the nose cap of the 360 BULLET. If the angle is too steep on the 360 BULLET point, the nose cap no longer takes the majority of the soil force and excessive wear may be seen on the wings.

If the ripper is left at previous settings from running a traditional point, 360 BULLET typically runs slightly deeper. Check depth to ensure optimum performance.

Avoid setting the ripper on a hard surface so that the entire weight of the ripper rests on the ripper points. Use cylinder locks or blocks to relieve weight on the ripper tips.

Moisture, soil type, and operating speed are huge factors in achieving maximum fracture. Dig behind the ripper to know the depth needed to achieve fracture at the depth of the compaction layer and make adjustments to achieve maximum shatter.

MODEL COMPARISON

360 BULLET HW

Attribute: High Wear // Wear: Best // Rock Rating: Average

Ripper point poured from a propriety blend of chrome white iron making it an ideal choice for the lower two-thirds of the corn belt and areas with some - but not an abundance - of rocks.

360 BULLET HD

Attribute: Heavy Duty // Wear: Good // Rock Rating: Good

Ripper point that combines a fabricated steel base, hardface weld wire and a chrome cap making it an ideal choice for less abrasive soils with some rocks. Limited model availability.

360 BULLET HD+

Attribute: Extra Heavy Duty // Wear: Best // Rock Rating: Recommended

Ripper point that combines a bonded layer of chrome white iron to a cast steel base making it ideal for use in areas where rocks are abundant.