### Manual Lift Grader & Motor Grader VS. Typical tow behind grade box

<table>
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<th><strong>Comparing Design Specs &amp; Capabilities</strong></th>
<th><strong>Thickness of the main components?</strong></th>
<th><strong>1/8” &amp; 1/4” Steel</strong></th>
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<tr>
<td><strong>3/8” Steel Plate</strong></td>
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<tr>
<td><strong>5/8” bolts</strong></td>
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- **3/8” Steel Plate**
- **Thickness of the main components?**
  - Yes
- **Assembly bolt diameter?**
  - Yes
- **Maximum penetration depth of spikes or tines?**
  - Yes
- **Angle settings?**
  - Yes
- **Additional weight required?**
  - Yes (Cinder Blocks)
- **Grades evenly around curves?**
  - Yes
- **Easier to grade with a smaller tow vehicle?**
  - Yes
- **Resists clogging with vegetation?**
  - Yes
- **Straight spikes are prone to clogging from the weeds that grow in the center of driveways**

**Additional Information:**
- **2” (short tines) 4 1/2” (long tines). Depth adjustments can be made from the drivers seat:** Yes
- **Angle settings are required to create a crowned road surface:** Yes
- **No, the wheels & swing arm can be fully elevated to provide extra weight when required:** Yes
- **Yes, each pass is seamlessly blended together with the last:** Yes
- **Angled at 22°, the device continuously discharges excess gravel out to the side:** Yes
- **The tines angular profile shed plants and roots much better than straight spikes:** Yes
- **3/4” below side rails on some models. On others, each spike must be individually lowered:** No
- **NO, not capable of efficiently shifting displaced gravel from the edges back to the middle:** No
- **Yes, much of the devices weight rests directly on the side rails instead of the spikes:** No
- **Yes, much of the devices weight rests directly on the side rails instead of the spikes:** No
- **Requires a larger amount of gravel to be continuously hauled in the grade box:** No
- **Easier to grade with a smaller tow vehicle:** Yes, much of the devices weight rests directly on the side rails instead of the spikes
- **Resists clogging with vegetation:** Yes