Custom designed and manufactured 4140 heat-treated rod ends significantly stronger than those of the competition.

Boom hardware comes standard with Magni 565 coating (aka Armor Coating) rated at 1,000 hours of salt spray protection, thereby reducing corrosion.
Bolt-on design of folding hinge provides for simple replacement without the need for welding.

Secondary fold cylinders have been relocated within the primary structure to protect them from abuse and damage, while enhancing a “clean” look.

Optimized hinge design fabricated from high-strength steel.

Built-in hydraulic pressure relief valves to prevent accidental overload of the boom.
Bolt-on, hardened steel, lift cylinder lug plates as compared to the weaker aluminum plates currently found on competitive products.

Available in two different pin-to-pin heights with custom fitted lift lugs provide a perfect fit for virtually any make and model of sprayer, while assuring proper tilt cylinder alignment.

By mounting the bolt-on lift lug plates underneath the upper extrusion, the force is distributed over a larger area while eliminating the pulling on welds, thereby reducing the possibility of fatigue cracking.

Bolt-on design enables easy replacement of lift lug plates without any necessary welding.
An extruded single piece top cap replaces the welded tubes typically found on competitor’s products, resulting in one third fewer welds for improved strength and durability.

Slotted top cap enables hoses and wiring to be routed within the boom itself, thereby providing protection and a "clean" look.
- Engineered welds, optimally placed, designed to eliminate fatigue cracking.
- One-third fewer welds, resulting in enhanced strength and durability.
- Weld joints are positioned on the flats of the extrusions in an optimum position thereby producing stronger joints.
- Optimized tubular truss connection points provide better than 100% improvement in strength.

- Use of aircraft grade 6061-T6 aluminum alloy vs. weaker and less expensive 6063-T6 used by the competition.
- Wide lower structure for ease of spray bar adjustment, maintenance and nozzle body clearance.

**Specialty Enterprises**

*Engineered Welds & Superior Structural Design*