

# **POWERPIN INC.**

Worlds leading supplier of  
**"TRACTOR - IMPLEMENT DRAWBAR  
HITCHING COMPONENTS"**

***Proud Suppliers to the following  
tractor plants:***

AGCO, Beauvais, France and Challenger  
Jackson, Minnesota

Buhler - Versatile, Winnipeg, Manitoba

CNH, Racine, Wisconsin and Fargo,  
North Dakota

John Deere Waterloo Works, Waterloo, Iowa

McCormick Tractors International,  
Doncaster, England

***Power Pin's Patented "3 in 1 Hitches" are  
used by over 200 implement  
manufacturers.***

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## **Why Provide Ag. Safety Chains?**

There is no law mandating farmers to use an Agricultural Safety Chain in a farming operation on their land. However, when any towed vehicle is on a public road the law requires the use of a "Safety Chain."

If an equipment manufacturer does not provide Ag. Safety Chains that meet ASAE 338.5 then that manufacturer has little liability protection in the event of an accident.

Power Pin not only provides Agricultural Safety Chains to meet Standards, we are experts on all the Standards regarding the drawbar interface. This knowledge is provided free to our customers.

**Power Pin Agricultural Safety Chains,**  
"Providing products that farmers can easily use and manufacturer's peace of mind."

## **POWERPIN INC.**

***"Hitching For Business"***

***Mission Statement***

***"To provide farmers a standardized, one trip tractor-implement drawbar coupling that is safe and cost effective."***

# **POWERPIN INC.**

***Introduces  
AGRICULTURAL SAFETY CHAINS***

***with the  
NEW "SNAP-ON GRAB HOOK"***

***Patent Pending***

Power Pin Inc. has played a key role in getting the "Safety Chain Standard" updated to reflect the size of modern equipment and improving the standard to allow a more cost effective design.



Power Pin Inc. and Canadian Tool & Die Ltd. supply hitching components for the primary drawbar connection to major tractor plants and over 200 plus Implement Manufacturers. Providing the Agricultural Safety Chain is simply finishing this interface and we believe this will be a valuable cost reduction tool for our customers.

## **NEW “Snap On Grab Hook”**

Power Pin Inc. developed the New “**Snap On Grab Hook**” because manufacturers told us that farmers hated the old sliding latch as it is always hard to lock and unlock, especially when wearing gloves.

Power Pin Inc. “**Snap On Grab Hook**” simply clicks on to the chain link locking itself and can be easily unlocked. Unlike the old system, the “**Snap On Grab Hook**” does not come unlocked when bumped.

The unique design of the latch makes it easy to handle, when hooking or snapping it onto a safety chain link.



Pressing down on the latch wings allows the hook to open when connecting or disconnecting the “**Snap On Grab Hook**” to the safety chain link.



The unique design of the latch ensures that the hook is locked onto the safety chain. To unlock the hook from the safety chain simply press down on the latch wings.



The “**Snap On Grab Hook**” is available in Categories I, II & III only.

## **Categories**

### ***Category I: PPSC11A (approx. 3 lbs.)***

1/4” Grade 70 Plated Chain

Total length of assembly - 46” - 11,000 lb rating

**ASAE** requires **35”** of safety chain for tractor drawbars in category I. Do **NOT** mount the safety chain more than 9” from pivot point (centre of drawpin hole) on the implement hitch.

### ***Category II: PPSC21A (approx. 6 lbs.)***

3/8” Grade 70 Plated Chain

Total length of assembly - 50” - 21,000 lb rating

**ASAE** requires **35”-40”** of safety chain for tractor drawbars in category II. Do **NOT** mount the safety chain more than 9” from pivot point (centre of drawpin hole) on the implement hitch.

### ***Category III: PPSC41A (approx. 12 lbs.)***

1/2” Grade 70 Plated Chain

Total length of assembly - 56” - 41,000 lb rating

**ASAE** requires **45”** of safety chain for tractor drawbars in category III. Do **NOT** mount the safety chain more than 9” from pivot point (centre of drawpin hole) on the implement hitch.

### ***Category IV: PPSC61A (approx. 25 lbs.)***

5/8” Grade 70 Plated Chain

Total length of assembly - 66” - 61,000 lb rating

**ASAE** requires **55”** of safety chain for tractor drawbars in category IV. Do **NOT** mount the safety chain more than 9” from pivot point (centre of drawpin hole) on the implement hitch.

### ***Category V: PPSC80A (approx. 30 lbs.)***

5/8” Grade 100 Chain

Total length of assembly - 66” - 80,000 lb rating

**ASAE** requires **55”** of safety chain for tractor drawbars in category V. Do **NOT** mount the safety chain more than 9” from pivot point (centre of drawpin hole) on the implement hitch.

Custom lengths are available upon request.

**Power Pin Ag Safety Chains meet “ASAE S338.5”**

## **Mount to Implements - 3 Options**

(Patent Pending)

### **Preferred Mount-Up**

1) If there is an open implement hitch mount hole on the bottom of the implement hitch bracket, put the safety chain mount brackets in the centre and place a long mount bolt through.



2) Put one mount bracket on each side of the implement hitch bracket and fasten with a short 1” diameter Grade 8 bolt.



3) Mount on the end of a 1” implement mount bolt, note that it needs to be on the shank end and the bolt needs to be a Grade 8 (the side maximum load of Grade 8 bolt is approximately 75,000 lbs of force to failure). It is **very** important to put spacer washers between the plates to prevent them from being drawn together and bending when the 1” bolt is tightened.

