

Wingfield *FLEXIBLE HARROW*

Wingfields provides the highest quality harrow in the industry.
Just look at these features:



Our high quality 1035 carbon spring steel wire is drawn (pulled) from .50" diameter to .452" diameter to:

- * Create a uniform diameter for more precise bends
- * Add 20,000 lbs. extra tensile strength to steel which decreases wear in the joints
- * All but eliminate tine breakage due to uniform consistency of steel and smooth bends
- * Allow for excellent residue clearance - anything over 1/2" diameter collects too much trash so we went with a higher quality, smaller diameter steel wire.



Rings are standard in lieu of open hooks to:

- * Eliminate unhooking and binding
- * Decrease wear with constant steel against steel contact
- * Allow the harrow to float through the soil - giving more flexibility and increased residue clearance

Tines are computer bent and formed in dies to:

- * Give a uniform 120 degree angle to each double tine to increase penetration and stirring action
 - * Allow even wear throughout the harrow mat
 - * Provide consistent quality to every tine
- * Create a consistent 4 1/2" tine which is the ideal length for most operations (too short a tine will decrease penetration - too long a tine will give less stirring action)



Harrow sections are built in one piece widths from 4' 4" - 14' 4" to:

- * Increase penetration by having the entire mat function as a single piece
 - * Eliminate streaking between sections
- * Increase pulling speed while keeping the harrow from bouncing.

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Our bolted frames, made from high quality steel tubing, are assembled with grade 5 5/8" U-bolts. This construction technique allows the frame to flex, eliminating cracking of metal at welded joints after years of harrowing. If you would happen to hit an obstruction, and bend part of the frame - that piece is all that would need to be replaced; whereas with welded frames, the complete unit may be twisted and may have to be replaced.

Our frames encompass the entire harrow section, which gives better control of the harrow in situations where you are in heavy residue. The bolted design also allows you to increase the size of your harrow by adding wings or adding a tongue and wheels to convert into a cart.

A 25' Wingfield Flexible Harrow Cart can be loaded in a standard pickup truck (the lift gate can even be closed!), or can be shipped by any freight line LTL at the lowest freight classification. We can ship anywhere in the world saving the customer several hundred dollars!

Our hydraulic folding kits are optional on all Wingfield Flexible Harrows with wings. We use 3" x 20" welded cylinders on posts, which allow the wings to float up-or-down. The wings can then float up to a 30 degree angle to eliminate most shaft-bending problems.



Our tongues are built in three different parts: the tongue base, front extensions of 6' and 8', and the bolted front clevis. Our adjustable cylinder post is built from an indestructible 3/4" plate, and contains a lockout rod for protection.

The adjustable axles allow for any tread width. A 1 3/4" spindle with a 6 bolt heavy-duty hub is bolted to the axle base so that the spindle can be mounted to the right or left hand side. The wheel is a heavy duty 6" x 15" trailer rim with trailer tire, which will hold up in even the roughest conditions.

The Wingfield Flexible Harrow Cart is lifted with a 3000 psi - 4" x 16" welded cylinder, which is in the closed position when in storage or transport mode to eliminate shaft deterioration due to contamination by the elements. This cylinder is used on all harrow carts from 14' - 50' in widths. The full stroke of the cylinder is used in raising and lowering the harrow cart. We advise that you hook the hose which lowers the frame in the float port on your tractor. This allows the frame to float upward in very uneven terrain. All hoses are 1/2", 2-wire, high pressure with ISO no-drip ends.

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