Frequently Asked Questions for 360 CHAINROLL™

Below please find answers to frequently asked questions about 360 CHAINROLL. If you need further assistance, please do not hesitate to call our support team at 309-321-0090.

Installation Questions

What corn heads are supported?
For the 2015 season, we support John Deere 600 Series (with upgraded shaft) John Deere 90 Series and 40 Series corn heads. Case IH corn head models will be available in 2016.

How long does it take to install a row?
Generally speaking, a row can be installed in 20 to 30 minutes. Two experienced individuals can change out a row in approximately 15 minutes.

Do I have to do any adjustment or reworking to my trash knives?
There is one case we are aware of with John Deere opposed knives that due to the "stepped" feature in the trash knife you must do rework to allow for proper fit-up. Material must be removed from both the back (edge not facing 360 CHAINROLL) and you must increase the slot length. Currently a template is being created to ensure customers can consistently rework the trash knife.

Do I need to keep the rolls matched in a set?
Each 360 CHAINROLL row set is tested for tip fill and dynamically verified for fit up. When installing the 360 CHAINROLL stalk rolls, it is important to make sure that the rolls are installed as a they were shipped in a matched set.

I hear noise after initial installation. Is that normal?
Even with thorough testing throughout the supply chain, due to head variation slight interferences can still be present after installation. Should a customer encounter a slight "pinging" noise during initial operation it can often be solved by rotating the castings 90 degrees on the shaft and then re-torqueing. Should this procedure not address the noise in the row unit after several rotations please contact your dealer or call our support team at 309-321-0090 for further assistance.

Is there any interference with row unit housing?
It is possible through manufacturing variation that the row unit housing that will need to be adjusted. The 360 CHAINROLL is slightly larger in diameter than the John Deere OEM rolls and could interfere with the deck plates in the front and also along the length of the roll. Customers can properly adjust by loosening the mounting bolts at the rear of the housing and lifting on the front of the row unit housing. Then re-torque the housing mounting bolts and verify the interference has been removed. Should this procedure not address the noise in the row unit after several rotations please contact your dealer or call our support team at 309-321-0090 for further assistance.

Will 360 CHAINROLL work on a chopping head?

If during operation of a chopping head the mower blades are disengaged, trash can accumulate underneath the row unit to the point where the slipper clutches will engage. It is advised to remove the rubber baffle that separates the row units to alleviate this problem.

Performance Questions

How much horsepower is required?

From our test data, we have been able to determine the OEM rolls require approximately 9 horsepower per row. 360 CHAINROLL requires about 9 to 10% more horsepower than a standard intermeshing knife OEM roll. This is due to the additional work done to the stalk during the chaining process.

Are stalk choppers still required?

Depending on the results desired, 360 CHAINROLL can be used with or without stalk chopping mower blades. From an agronomic perspective, there is a strong case that mower blades will not provide a significant advantage with respect to stalk break down versus using 360 CHAINROLL alone. 360 CHAINROLL will not have a dramatically different impact on the portion of the stalk that remains between the corn head and the ground. The use of stalk choppers is still encouraged if tire wear is a concern.

What is the expected life of the rolls?

Different soil and plant conditions will naturally wear stalk rolls at a different rate. From empirical testing, as well as metallurgical choices and wear treatments, 360 CHAINROLL is expected to meet the life of current rolls used.