



Draper Drum



FAQ (Frequently Asked Questions)

Q: Does the Draper Drum come with drive sprockets?

A: No, you will need to keep your OEM drive sprockets from your adapter. If yours are worn out, you may have to purchase new ones. **If you are having issues with drive chain slippage, verify that your sprockets are in good condition.** The Draper Drum kit should come with everything else you need; please consult the installation instructions (available online or from a Combine World parts sales rep) for more details.

Q: Product is wrapping. What can I do?

A: There are a few things that can be done to help this situation. First thing to try is the finger timing adjustment. Move the lever all the way back towards the combine and see if this helps. This will cause the fingers to retract sooner and should let the crop flow into the feeder house. If this does not help, move the lever all the way forward (towards the direction of travel). See which adjustments helps and move one hole at a time to make more fine adjustments.

Another thing that can be done in this situation is fingers can be removed. If there is a specific area on the drum where wrapping is occurring, remove some fingers in this spot. If the wrapping is general, remove up to half of the fingers and test to see if issue is fixed.

Q: What can I do to stop product from piling up behind the drum?

A: For this situation, try adjusting the finger timing by moving the lever all the way forward (in direction of travel). This will keep the fingers extended longer and should push the product into the feeder house instead of letting it pile up behind of the drum.

Q: Is there a way to speed up the auger for extremely heavy conditions?

A: We do not currently offer a speed up kit, however we are working on developing one. One of our customers increased the drum speed 20% and was then able to keep the combine totally full, never worrying about the drum's ability to pull crop in. This customer also upgraded to #80 chain to avoid

issues with the chain falling off the driven sprocket. We may try offering a kit that still uses the #60 chain but increases the speed significantly.

Q: In very light conditions the drum will not push the product into the feeder house. Any suggestions?

A: Strange as this may sound, removing the finger timing arm on the idle side of the drum and rotating it 180 degrees can help this. The fingers will then extend towards the feeder house and push the crop in, while the flighting still pulls product in from the draper belts.

Q: How do I keep my auger from stalling? Where is the slip clutch?

A: There is no longer a slip clutch in the auger itself. There is a slip clutch in the large gearbox on the LHS of the adapter that will slip if there is too much product built up around the drum.

Q: Does the auger turn the same speed as the factory one?

A: Yes, the auger does turn at the same speed. The tube is smaller diameter, but the flighting is taller, resulting in the same overall diameter of the flighting. Since you re-use the factory drive chain and sprockets, there is no change in speed compared to factory.

Q: Is there a reversing mechanism in the drum?

A: No, there is no reversing mechanism in the drum. This is one of the components that would fail in the factory drum, so it has been removed to simplify the drum and make it more durable. The drum can still be rotated backwards, however if the feeder house is plugged or there is built up material behind the drum, it may need to be removed by hand after reversing the feederhouse and adapter drum.

Q: Is there a slip clutch in the drum?

A: No, the slip clutch has been removed to simplify the drum and because it was a known failure point. The next slip clutch is in the gearbox on the LHS of the adapter.

Things people have done to improve feeding:

- Remove feeder house shroud on JD S series combine to allow for a larger opening for the crop to flow in to.
- Cut off center flighting pieces (extreme case) to improve product flow and reduce wrapping.
- Flip center shaft assembly 180 degrees (in lighter crop) to keep crop flowing into feeder house.

- Speed up auger in extremely heavy crop and upgrade chain to #80 chain. Chain kept falling off of driven sprocket on auger due to extreme load (160-200 bu wheat). Bearings were being damaged due to this.
- One customer was having issues in beans with wrapping, he advanced the timing all the way forward but that didn't help. He ended up running the timing in the 3rd hole from the front and it worked well.

What causes issues with feeding and wrapping?

- Green/tough conditions are the #1 issue with feeding.
- Very light crop can cause issues due to lack of material, not enough substance to flow smoothly.

Try these things in this order.

1. Finger timing
2. Remove fingers
3. Check feeder house front plate for proper angle to attain a smooth transition from the adapter

Thank you again for purchasing your Draper Drum Kit from Combine World. Any questions, please call us at **1-800-667-4515**.

