

vSet[®] Corn Singulator Aggressiveness Check

Needed Parts:

- 720277 Singulator Check Gauge
- 730079 vSet Corn Disk
- 730063 or 768355 vSet Corn Singulator

The 720277 Singulator Check Gauge can be used to check the lobe aggressiveness on a vSet corn singulator. Use a standard vSet Corn Disk with the singulator that needs to be checked to complete the process.

Singulator
Check End

.176" Diameter Disk
Hole Check End



"Go" Section is .096"
diameter narrower portion.
"No-Go" Section is .118"
wider section.

Step 1

Verify that the disk holes are the correct size. The smaller diameter of the disk hole check end should slide through the hole. The larger diameter section should not. If the hole size is not correct, you will need a different disk for this test and that disk should be replaced.

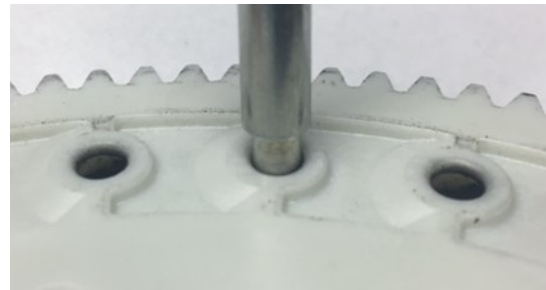


Figure 1

Step 2

Place the singulator on the disk and locate the most aggressive singulator lobe (#5) to gauge the correct tolerance. Figure 2A shows a vSet Classic singulator and figure 2B shows a vSet 2 singulator with the location of the most aggressive lobe (#5).



Figure 2a: vSet Classic



Figure 2b: vSet 2

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Step 3

Insert the singulator check end of the gauge into the disk hole at 90 degrees. The singulator must ride firm against the disk teeth. The narrow diameter portion of the gauge should clear the most aggressive lobe of the singulator as it passes. The wider diameter portion of the gauge should not clear the most aggressive lobe of the singulator as it passes.

vSet Classic



Figure 3a: Lobe clears narrower diameter portion of gauge



Figure 3b: Lobe does not clear the wider diameter portion of gauge

vSet2



Figure 3c: Lobe clears narrower diameter portion of gauge

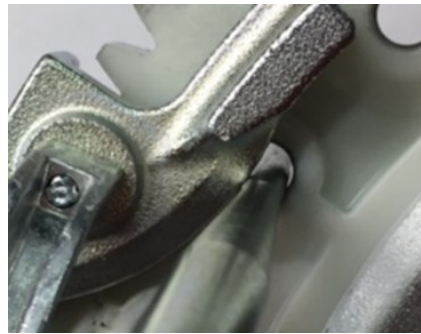


Figure 3d: Lobe does not clear the wider diameter portion of gauge