

# **Tech Bulletin**

## **Adjusting Chain Slack**

### **Summary of Bulletin**

Based on experience gained over several site installations and with input from system installation contractors, Globe Composite Solutions has revised the chain slack adjustment procedure accordingly over time in an attempt to provide a repeatable and more objective procedure for adjusting chain slack.

To that extent some of the earlier site installations used more subjective procedures for adjusting chain slack. Moving forward all sites should use the procedures outlined in this Tech Bulletin, which are also outlined in the Generic Maintenance Manual posted on the GCS Web Site.

It is important to note that the desired end result of this procedure is to remove the slack in the chain, NOT to put tension on the chain. Putting the chain in tension could cause damage and/or reduce the life expectancy of the chain.

### **What you need:**

1. Two Maintenance Techs (It is generally easier with two Techs, one to pull to load, the other to measure the chain deflection)
2. 100lb Dynamometer - GCS P/N 01-11-0122 (Salter Model 235 110lb Mechanical Dynamometer)
3. Tensioning Fixture - GCS P/N 01-11-0123
4. The Procedures outlined on the following page

### **Notes:**

- Although this Tech Bulletin for adjusting chain slack has attempted to make this procedure more objective, it is still important to run the system at line speed (once adjusted) and to watch the chain on the exit side of the Bull Gear, to see if excessive slack is present. This requires a trained and experienced person who is familiar with Chain and Sprocket Drives. When chains have too much slack, they tend to stay wrapped on the chain sprocket at the point of tangency (exit). When properly adjusted the chain should come off the sprocket cleanly (straight) at the point of tangency.
- After 8 hours of initial run time repeat the chain slack adjustment procedures outlined below.
- Over the course of the first few weeks monitor the chain slack daily at the exit of the bull gear, and adjust chain slack if necessary in accordance with the outlined procedures.
- Review chain slack at a minimum monthly after the initial 2 week time period.

# Chain Slack Adjustment Procedure

