

Safety Memo - Gate Stop

The gate on the rigging sheave is designed to be easy to load and safe to use. However, it has been shown that it is possible to misuse the sheaves and create a dangerous situation. A few of the sheaves have been loaded with the gate closed so far that the pin was inserted on the back side of the gate. This causes the load on the sheave to be carried entirely by the open frame which is dangerous and will surely cause the sheave to fail if the load becomes great enough.

Wireline Technologies has added a stop bar to the castings of the loading gates. See figures 1 and 2. The bar is designed to prevent the gate from being closed too far and prevents loading with the gate pin installed incorrectly. See figure 3.

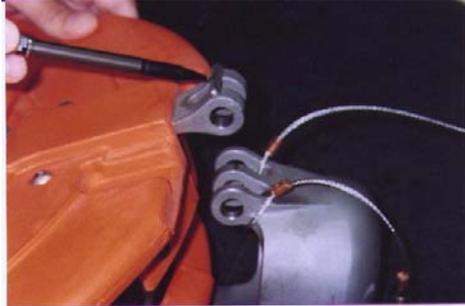


Fig. 1 Gate Stop



Fig. 2 Gate Stop Close Up



Fig. 3 Gate Closed

Sheaves produced before this change was made can be retrofitted with a stop bar welded onto the loading gate. Please do one of the following to ensure that this hazardous situation can not occur with your rigging sheaves. Note, sheaves sent to WTI for recertification or repairs will automatically have this modification performed.

- a. Return the sheaves to WTI for a free modification.
- b. Call WTI to have some stop bars sent to you free of charge and have the modification done at your location by a qualified welder.

Procedure

1. There is no need to disassemble the sheave. The welding can be done with the gate in place.
2. Clean the exposed end of the loading gate removing any dirt or grease.
3. Clamp the stop bar to the loading gate with the slot facing the gate and centered with it.
4. Using a TIG welder weld the gate stop to the loading gate with a seam weld all the way around on each end. We recommend the following parameters: DC- /60 amps/11volts. A close up of a finished weld can be seen in figure 4.



Fig. 4 Gate Stop Welded