

Adjustable Torque Limiter (ATL).

Torque Limiter is a part that works like a kind of mechanical protector. In the case the winch is over-loaded, the torque limiter winch will function immediately, when the winch motor will keep turning, not being stalled, and the gears will stop. Being stalled means the state that the winch motor will not turn in case of being over-loaded, when extra current may be raised, which is easy to get the motor or the solenoid burnt out.

However, the max. rated capacity of the winch will decrease due to the decrease of the torque set to the winch Torque Limiter if it functions too frequently, or functions for long each time. In this case, normally the best solution is to replace the Torque Limiter .

ATL offers the improved solutions. In case obviously the winch pulling capacity decreases, and the de-crease is found to be caused by the torque limiter, it's possible for the operator to move the torque adjusting tab slightly to recover the torque of the torque limiter so as to recover the pulling capacity of the winch, not to change a new torque limiter