



Twistlock Comparison Chart

Features	Manual Twistlock	Fully Automatic Twistlock
Locking	To be locked by a person	Automatic - No person required
Unlocking	To be unlocked by a person	Automatic - No person required
OH&S	Operation required by a person. This can result in accidents	Automatic - No person required
Productivity	Low – All twist locks needs to be opened by walking along the train	High - No manual handling required
Safety	Low – If the manual locking does not occur, the containers will not be locked on the wagon.	High – The twistlocks are always locked
Wagon design	Requires access for locking and unlocking	Not applicable due to manual handling
Operations – single hook crane	Good – As long as the twistlock has been opened. Otherwise it will cause bogie lift-off	Good – The Cel-Lock has a tilt release shaft function. It will unload uneven containers with ease.
Options	Celtec can provide a retractable cassette system for automatic retraction when loading a 40ft container across 2x20ft positions. However, in a manual system this feature has little advantage	Celtec can provide a retractable cassette system TFAR which automatically retracts when you load 1x40ft container across 2x20ft positions. No removal of centre locks and no manual handling.
Convenience	Low – a manual twistlock does not offer convenience.	High – A fully automatic system offers the convenience of no manual handling
Replacement	Yes	Yes