



MEADOWELD MACHINE

**Manufacturing Support Equipment and Material
Handling Equipment for the Railroad Industries**

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Meadoweld Track Panel Lifters

Meadoweld manufactures four models of a Track Panel Lifter all with an eight-ton capacity for lifting:

Model TPL-8A is our most popular Track Panel Lifter that has an automatic mechanical load and release system. The result: an operator is not required to assist in the function of the lifter.

Model TPL-8-LP is our traditional Track Panel Lifter with a lower profile for applications in commuter tunnel systems (32" working height versus 66" working height).

Model TPL-8A

The Model TPL-8A Track Panel Lifter is designed for lifting pre-fabricated track panels of a standard rail gage. The unit has a (8) ton capacity with an anti-slip rail engagement. The unit is equipped with a mechanical automatic load and release system controlled by the crane operator.

The Track Panel Lifter is lifted using the center lifting bale. The Track Panel Lifter is lowered over the weight center of the track panels and aligned by the feet of the Track Panel Lifter itself. Lowering the Track Panel Lifter to its full extent over a Track Panel allows the operator to pick up the Track Panel. In order to release the Track Panel the crane operator lowers the Lifter until the Reference Flag is in its upright position and the Sight Gauge is at its latching position. Upon lifting the Track Panel Lifter the latch engages lifting only the Track Panel Lifter.

The automatic load and release system inherently provides safe operation where personnel are **not** required to physically assist the crane operator for loading or releasing a Track Panel from the Track Panel Lifter fixture. This is an enhanced feature when considering the unloading of Track Panels in the field from a rail car.



Overall dimensions for all models are follows:

Length:	86 - 3/4"
Width:	78 - 5/16"
Height:	66" (32" for Model LP)
Weight:	1800 lbs.

Track Panel Lifter TPL-8:

The Model TPL-8 Track Panel Lifter is designed for lifting pre-fabricated track panels of a standard rail gage. The unit has a (8) ton capacity with mechanical anti-slip rail engagement and automatic load release system. The unit has a heavy-duty design for use in-plant or field track laying operations.

The Track Panel Lifter is lifted using the center lifting bale. The Track Panel Lifter is lowered over the weight center of the track panels and aligned by the feet of the Track Panel Lifter. In order to engage the Track Panel Lifter with the Track Panel the spring loaded lever is pulled towards the operator in the open position. Once lifting of the track panel begins the operator releases the lever. The track panel is moved into position and released using the mechanical automatic load release system.

