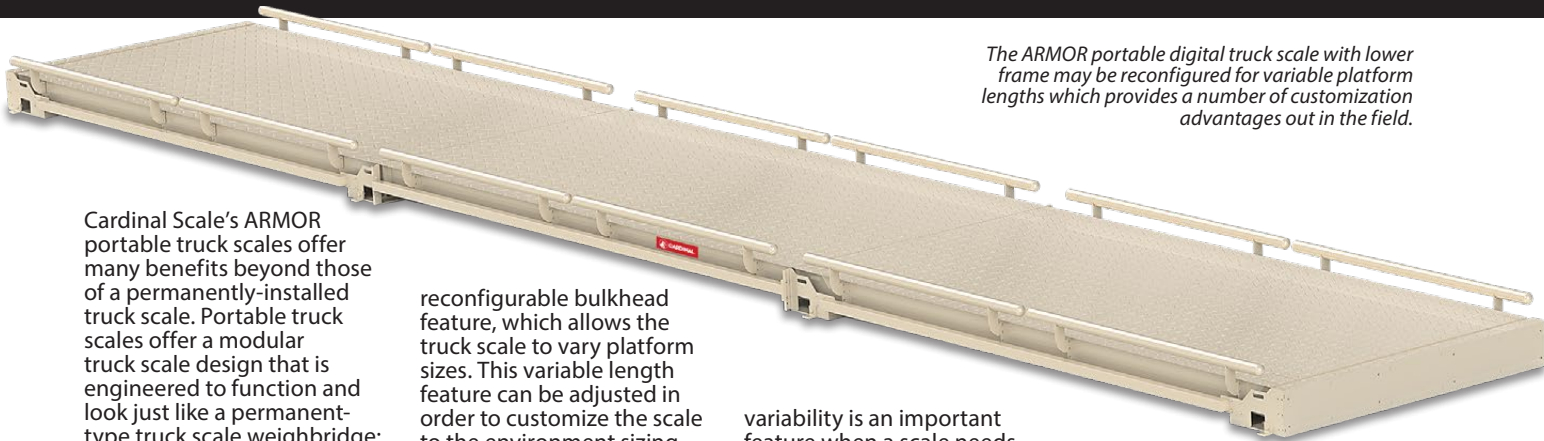




# ARMOR PORTABLE TRUCK SCALE RECONFIGURABLE BULKHEADS



## SCALE DECK PLATFORM LENGTH CUSTOMIZATION FOR VARYING JOB SITE REQUIREMENTS

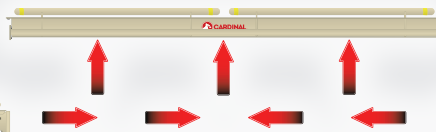


The ARMOR portable digital truck scale with lower frame may be reconfigured for variable platform lengths which provides a number of customization advantages out in the field.

Cardinal Scale's ARMOR portable truck scales offer many benefits beyond those of a permanently-installed truck scale. Portable truck scales offer a modular truck scale design that is engineered to function and look just like a permanent-type truck scale weighbridge; however, an important aspect to note is the ARMOR's

reconfigurable bulkhead feature, which allows the truck scale to vary platform sizes. This variable length feature can be adjusted in order to customize the scale to the environment sizing needs and job specification requirements. Modular

variability is an important feature when a scale needs to be used in a variety of locations at multiple job sites.



The center drop-in module may be removed to contract the platform to a smaller overall length utilizing the drop-in filler module that is available. The drop-in module for the deck acts more or less as a bridge in the middle of the deck without load cells.

Portable truck scales typically possess three different modules: **end modules with bulkheads, hook-on modules, and drop-in modules**. Shorter length portable truck scales typically may only possess end modules, or a combination of end modules and a drop-in module. Longer portable truck scales will utilize a combination of end modules, hook-on modules, and drop-in modules. The diagram on the next page shows the various configurations of these different type of modules used in all of the standard ARMOR portable truck scales.

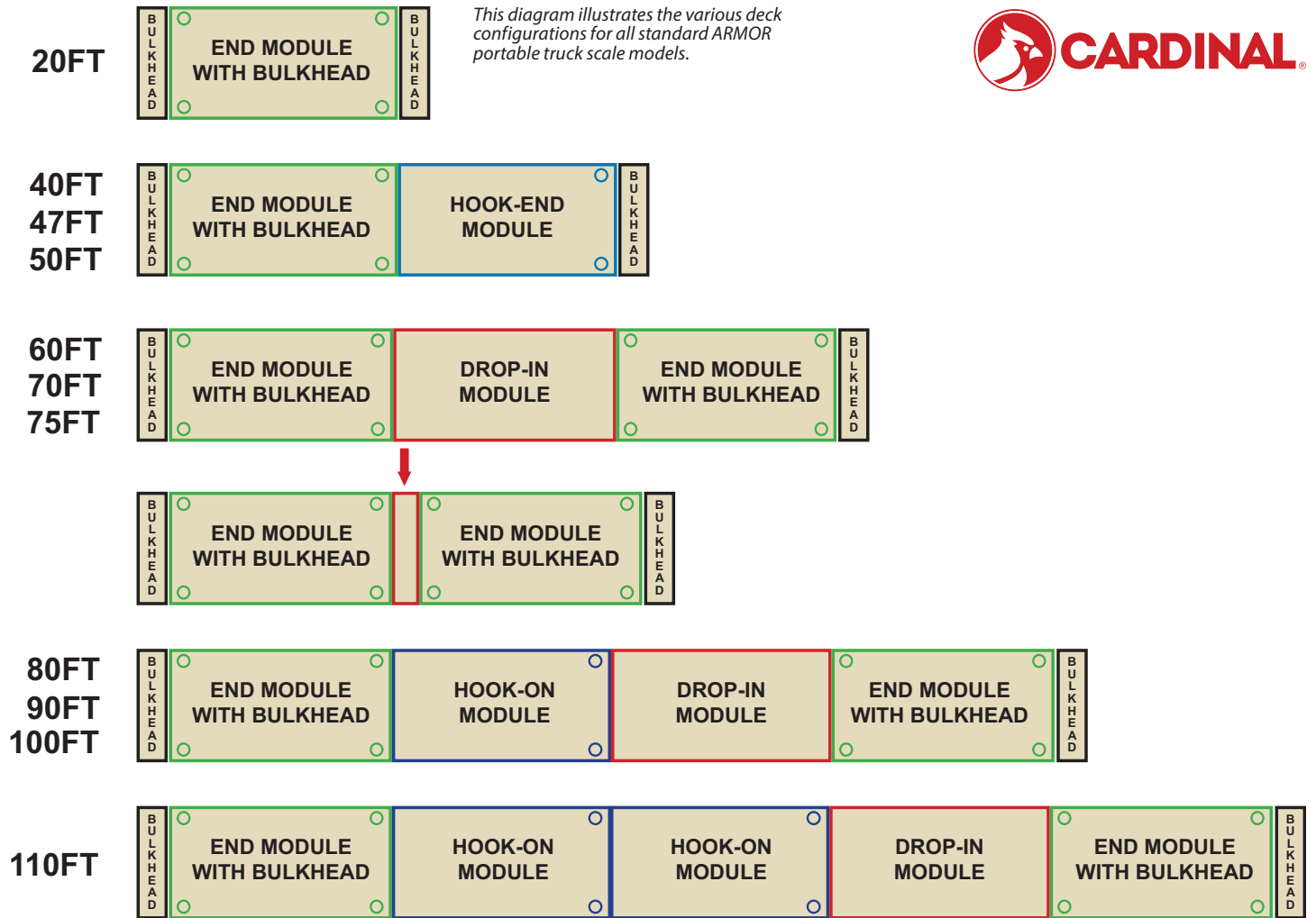


The ARMOR Portable's variable length feature can be adjusted in order to customize the truck scale to the environment sizing needs and job specification requirements.

# ARMOR PORTABLE PLATFORM CONFIGURATION DIAGRAM

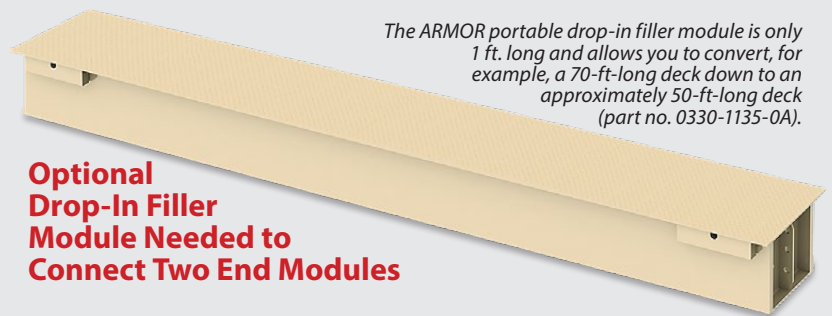


This diagram illustrates the various deck configurations for all standard ARMOR portable truck scale models.



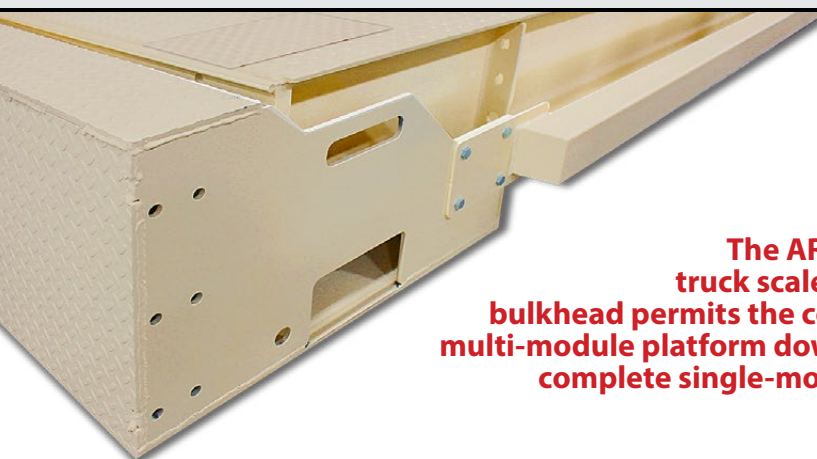
The drop-in module for the deck acts more or less as a bridge in the middle of the deck without load cells, and the drop-in module length can be varied to reconfigure the scale bulkhead modules to fit a weighing requirement. Drop-in modules have been historically 20ft in

length, but recently a smaller version has been developed that is only 1ft long. Using this new version, a 70ft long deck can be reduced to an approximately 50ft long deck, or a 40ft deck can be reduced to an approximately 20ft deck, or vice versa.



The ARMOR portable drop-in filler module is only 1 ft. long and allows you to convert, for example, a 70-ft-long deck down to an approximately 50-ft-long deck (part no. 0330-1135-0A).

**Optional Drop-In Filler Module Needed to Connect Two End Modules**



**The ARMOR portable truck scale's end module bulkhead permits the contraction of a multi-module platform down to a smaller complete single-module platform.**

Hook-on modules have two load cells on one end and are essentially used as an extension of the end modules. Removal of the drop-in and hook-on modules can reduce the scale length. Additionally, the new 1ft long drop-in module needs to be utilized to bridge two end modules. This drop-in module is received into the middle of both end modules, features the same deck thickness as the weighbridge—5/16", and is the same width as the scale.



# SCALE DECK PLATFORM LENGTH CUSTOMIZATION FOR VARYING JOB SITE REQUIREMENTS

When it comes to set-up, end modules with bulkheads, hook-on modules, and drop-in modules can be assembled in a matter of hours. Under these modules are spacer tubes that tie into the lower frame. The frame can be lowered onto any flat and stable surface, be it a prepared concrete surface, gravel, or crushed rock (NTEP legality will vary based on state requirements).

The lower frame provides a firm foundation for the scale even when preparation time can't be spent prepping for concrete work. If a single module is all that's needed to provide a complete weighing platform, a bulkhead section can be placed on each end of the single module. This end module bulkhead completes the weighing platform and permits the contraction of a multi-module platform down to a smaller complete single-module platform.



When used in a timber, mining, construction, or aggregate job site, most portable truck scales will be moved between sites and switched between a variety of weighing locations on a single job site. The hook-on or drop-in modules can be added or subtracted to suit a site weighing requirements.

Extending and contracting portable truck scale platforms provides the customer with a variety of scale size options. The amount of time saved during moving, setting up, and individualizing platform lengths provides heavy industry businesses with a swift solution to challenging environments.

*The lower frame provides a firm foundation for the scale even when preparation time can't be spent prepping for concrete work.*

*Modular variability is an important feature when a truck scale needs to be used in a variety of locations at multiple job sites.*

Cardinal Scale's portable scale reconfigurable bulkheads are a potent weapon for heavy industries. Having the ability to expand and contract platforms to fit the weighing application allows for the invaluable tool of customization and adaptation to the scale environment. Being able to weigh raw products and heavy commodities in an ever-changing setting provides end users with massive savings in scale set-up and transfer costs.



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