



Hinged Trench Assembly

The hinged trench assembly simplifies access for supply lines and collection systems. Available with hinged covers or grates, the system can be configured to any length of trench needed.

Optional mechanical strut improves ergonomics by reducing lifting force to 35 pounds or less for the entire range of motion—available for both cover and grate versions.

The covers offer optional cable cut outs for electrical, telecommunications, and other supply lines to be temporarily exposed for use while the covers remain in the closed position.

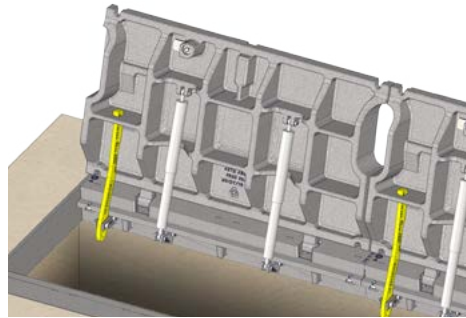
Features

- Airport extra heavy duty
- Top flange design
- Rail vent slots
- Self-engaging safety bar
- Rebar holes in gussets
- Bolt holes for connecting rails together
- Made in USA

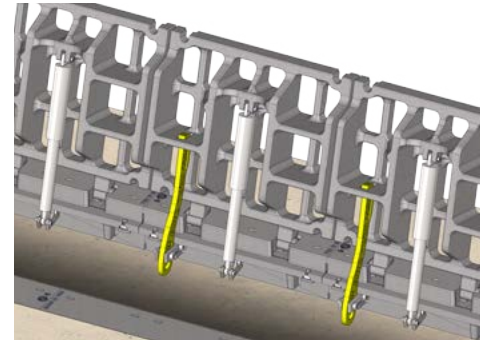


Self-engaging safety bar with optional mechanical lift assist make the hinged trench covers and grates safe and easy to use.

Covers



Grate



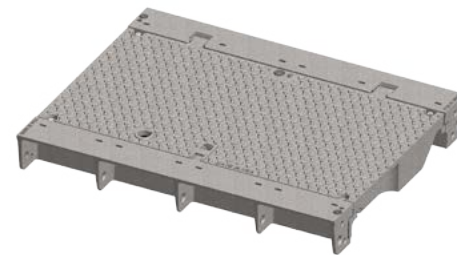
Hinged Trench Available Options

Options	Grate	Cover
Bolting	Yes	Yes
Cam Lock	—	Yes
Cable Cut Outs	—	Yes
Lift Assist	Yes	Yes
MPIC® Pick Bar	—	Yes

Hinged Trench Sizes

Type	Trench Width	Length
Grate	18	24
Cover	24, 36	24, 48

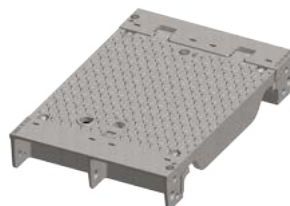
Note: All dimensions are in inches.



48" long solid cover



24" long grate



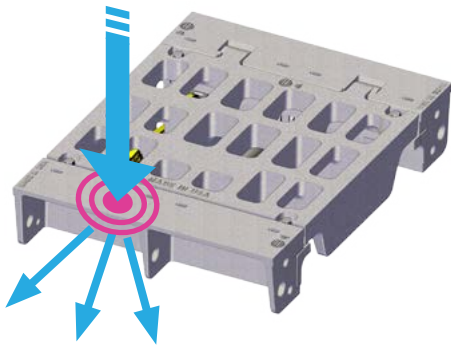
24" long solid cover



37 3/8" wide steel end plate

Hinged Trench Assembly

Top Flange Design

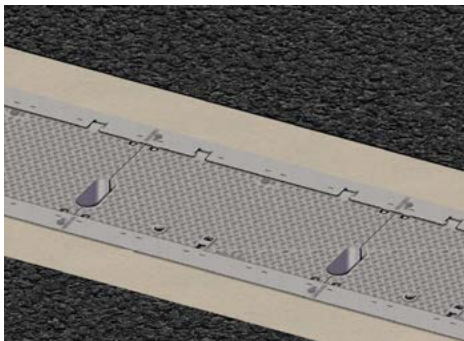


The top flange design with a wide flange, fully supported with concrete underneath, distributes heavy loads over a larger area which reduces cracking and spalling of the surrounding concrete.



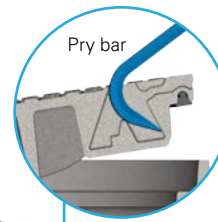
Venting slots in the frame rail allow for air to escape during the pouring process, fully filling the voids with concrete for support and weight disbursement.

Cable Cut Outs*

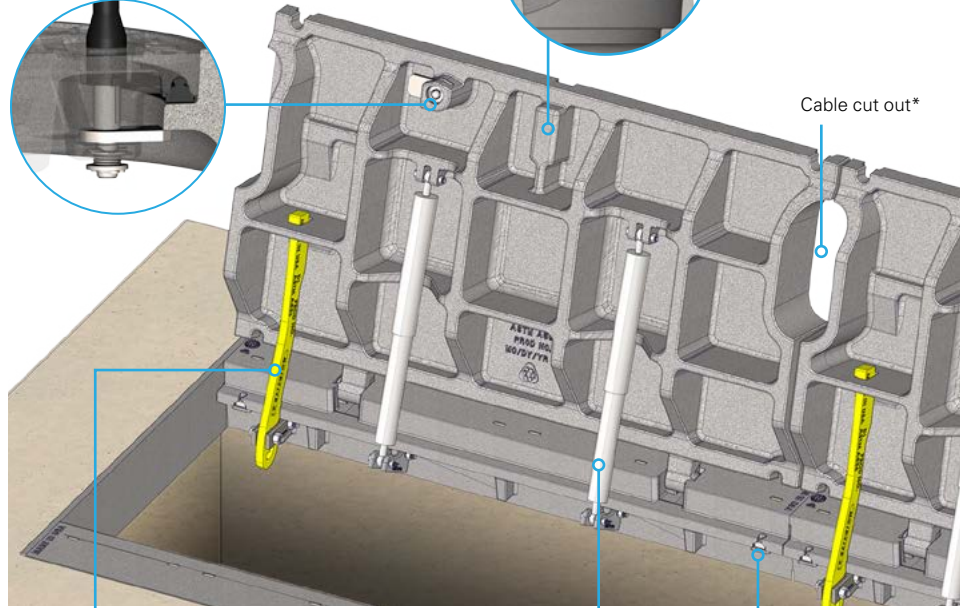


Optional cable cut outs for covers allow for temporary access to supply lines while keeping the covers closed.

Cam Lock Security Option*



MPIC® Multi-tool Pick Bar*



Safety Bar

Patented Self-engaging Safety Bar keeps the trench open and protects from unintended closure

Lift Assist Option

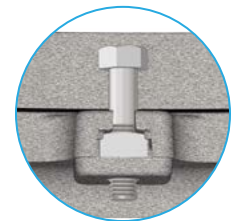
Lift Assist is a corrosion-resistant stainless steel mechanical spring strut. The rugged design is clean and maintenance free. The strut takes up less space in the clear opening than a traditional spring assist. It is fully self-contained, protecting coils from exposure to the elements.

Made without internal gases or seals, the struts have an effective operating temperature range of -30° F to 400° F. The durability has been tested at over 150,000 cycles.



EON LOCK® Bolting

Compatible with standard hex bolts or special security designs, the EON LOCK design retains the nut when the cover is unbolted and allows the nut to be removed in the future should it need to be replaced.



Designed to work with concrete trench forming systems that improve the speed of installation versus traditional installation. Using concrete, no liners are needed—eliminating combustible material in applications where fire suppression measures are needed.

*Not available for grates