Kent Hinged Multi Paver







KENT HINGED MULTI PAVER KHMP-1200/1200



The Kent Hinged Multi Paver is ideal for covering staircases down to tunnels, or for areas where equipment or supplies (spare parts, generators, substations) may need to be lifted in and out relatively frequently. It is perfect where opening the manhole can be frequent, where a single operator may arrive on site and where maintenance personnel may not have access to specialised lifting equipment. This makes them ideal for covering tunnels or large underground chambers.

They contain all the features of our Kent Solo Paver manholes. They are typically supplied in stainless steel, but with an option for galvanised steel). In addition the manholes are hinged with a robust stainless steel hinge, they have keying in mesh to allow block adhesion with epoxy mortar, and they have Kent lift-assist mechanical struts to allow a manhole to be opened with a force compliant with manual handling regulations.

Kent Hinged Multi pavers are on display at St. Barts Hospital in London (England) and Lusail (Qatar).

Features:

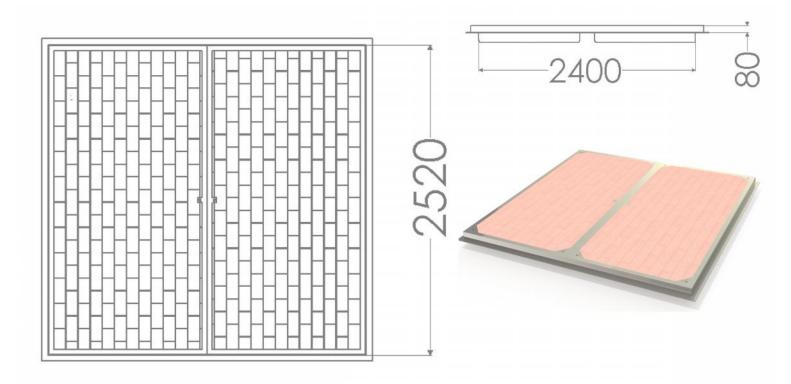
- Laser Cut Lettering
- Kent Lift-Assist Mechanical Struts
- Central support beam built into cover
- Opens to 90 degrees
- Safety Stay as standard
- Lift Assist Automatic Watertight option also available



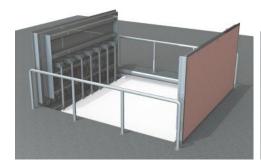


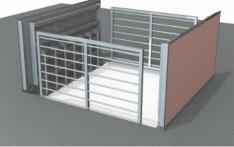


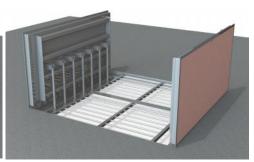




Product Code	Clear Opening	No. of Trays	Tray Depth	Visible Frame Size (Unsealed)
KHMP-1200/1200	1200mm x 1200mm	2	80mm	1320mm x 1320mm
KHMP-1800/1200	1800mm x 1200mm	3	80mm	1920mm x 1320mm
KHMP-1800/1800	1800mm x 1800mm	2/4	80mm	1920mm x 1920mm
KHMP-2400/1800	2400mm x1800mm	4	80mm	2520mm x 1920mm
KHMP-2400/2400	2400mm x 2400mm	4	80mm	2520mm x 2520mm







Optional Safety Barrier

Safety Grid Open

Safety Grid

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Loading: Support System

All Multi tray lift out Manholes and Grilles have I-Beam and bracket support system underneath which supports the individual trays. However, The Hinged Multi-paver has a support system built in to the door panels, when the doors are closed the support system is in place.



This image shows the underneath of the installed Kent Hinged Multi-Paver in St. Barts Hospital, London.

Stainless Steel Maintenance

Clean the stainless steel components using warm water with a mild detergent with a non abrasive cloth or sponge. Heavier stains may require the use of a nylon scouring pad or a stainless steel cleaner. To remove paint or graffiti (or light concrete splashes) use a cloth and alkaline or solvent paint strippers according to type of paint. For Satin Finish Stainless try to follow the

direction of the grain when cleaning vigorously or polishing. For Bead Blasted Finish use a circular motion. Rust spots or 'tea stains' can occur on the surface of the material, these are normally caused by contamination from ordinary mild steel, particularly in areas where construction work has been undertaken. Where contamination of the stainless has occurred from ordinary mild steel coming into contact with the stainless, use Rust Remover 410. In cases where the surface is severely stained as a result of severe environmental conditions or scratched due to misuse, it may still be possible to restore the original finish using chemicals such as Oxalic Acid solution. There are many stainless steel polishes available to enhance the surface finish. We recommend Mister Stainless Ltd. as a provider for stainless steel cleaning products

Galvanised Mild Steel Maintenance

Purchase an alkaline cleaner. These products are non-abrasive combinations of detergents and solvents designed to clean and maintain galvanised steel. With the use of rubber gloves, fill a bucket with a gallon of hot (not scalding) water and add one ounce of the Alkaline Cleaner. Stir well. Dip a soft bristle brush into the cleaning solution. Beginning at one end of the Product, scrub gently, using a circular motion. Go from one end of the product to the other, overlapping the circles repeatedly to make sure you do not miss any spots. Rub the towel over the product to make sure the steel has been cleaned. The towel will remove any excess water or cleaner from your project. After you have used the towel, let it dry.



Specify

Specify the amount of Trays

Customise your size, or go with our standard clear opening 1200mm x 1200mm x 80 mm (See size chart on page 2

Specify:

Kent Hinged Multi Paver (KHMP-1200/1200); 1200mm x 1200mm clear opening, 80mm tray depth; 2 Trays; Unsealed; Grade 316 Stainless steel; Loading FACTA B

Decide between Sealed or Unsealed

Choose your steel:

Grade 304 Stainless steel Grade 316 Stainless steel Galvanised Mild Steel

(See **page 5** for more detail)

Choose your loading

FACTA A
FACTA AAA
FACTA B
FACTA C
FACTA D

Options

Various Loadings (See FACTA and BS9124:2008 Application load specific tables)

Various Tray Depths (80mm, 100mm)

Grade 304L Stainless Steel

Grade 316L Stainless Steel

Mild Steel Galvanised to BS EN ISO 1461 (1999)

Mild Steel Galvanised to 140 Micron minimum for middle East projects

Safety Barrier

Safety Grid (can be Automatic for larger sizes)

Unsealed or Double Sealed

FACTA Class	Slow Moving wheel Loads	Kent Safety Test (Unfilled)
Α	0.6T	0.8T
AA	1.5T	3.1T
AAA	2.5T	5.2T
В	5T	10.1T
С	6.5T	13.2T
D	11T	22T

BSEN124	Slow Moving wheel Loads	Kent Safety Test (Unfilled)
A15	0.6T	1.5T
B125	5.0T	12.5T
C250	6.5T	25.0T
D400	11.0T	40.0T

Made in Ireland

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Grade 304 vs. 316 Stainless Steel

The last thing our we want for our customers is to have to deal with staining or rust on their Kent Stainless Steel products. If your product will be exposed to harsh or coastal environments, we recommend upgrading to grade 316L stainless steel which extends the life span of the product for years more. Consider this fact when planning a future project.

Grade 304L Stainless Steel

304 stainless steel is the most common form of stainless steel used around the world. It contains between 16 and 24 percent chromium and up to 35 percent nickel, as well as small amounts of carbon and manganese. 304 can withstand corrosion from most oxidizing acids. That durability makes 304 easy to sanitize, and therefore ideal for kitchen and food applications. It is also common in buildings, décor, and site furnishings. However, it is susceptible to corrosion from chloride solutions, or from saline environments like the coast.

Benefits

- Lowest Cost Corrosion resistant option
- Resistant to oxidation
- Low maintenance
- Durable and strong

Grade 316L Stainless Steel

316 grade is the second-most common form of stainless steel. It has almost the same physical and mechanical properties as 304 stainless steel, and contains a similar material make-up. The key difference is that 316 stainless steel incorporates about 2 to 3 percent molybdenum. The addition increases corrosion resistance, particularly against chlorides and other industrial solvents. 316 stainless steel is commonly used in many industrial applications involving processing chemicals, as well as high-saline environments such as coastal regions and outdoor areas where de-icing salts are common. Due to its non-reactive qualities, 316 stainless steel is also used in the manufacture of medical surgical instruments.

Benefits

- Superior Corrosion resistance
- Chorine Resistant
- Low maintenance
- Durable and strong



Grade 316 Stainless Steel Kent Hinged Multipaver installed in Lusail City (Qatar)



Grade 304 Stainless Steel Kent Multi-Paver installed in St. Barts Hospital, London (England)



Testimonials



"The In-house engineering completed by Kent Stainless and the Knowledge and advice given to finalise the design was outstanding"

- Parsons



"The client and the main contractor both were delighted with the quality of the work supplied by Kent Stainless"

- Skanska



"Because of the engineering know-how you provided and flexibility in design, we will certainly return to Kents for further work"

- Wexford County Council

