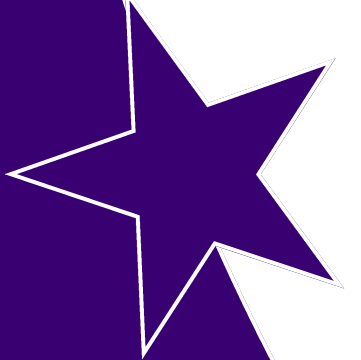


Kent Hinged Solo Paver





KENT HINGED SOLO PAVER KSP-900/900

Kent Hinged Solo Paver Manholes are used where opening the manhole is more frequent, where a single operator may arrive on site and where maintenance personnel may not have access to specialised lifting equipment.

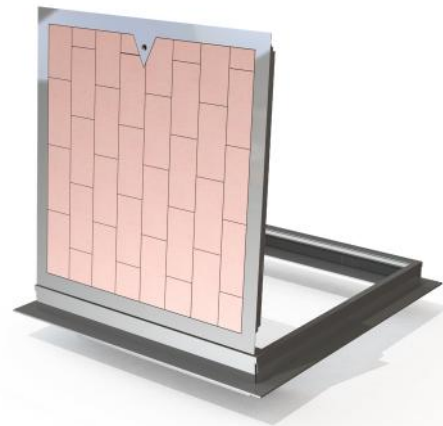
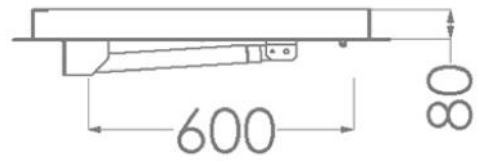
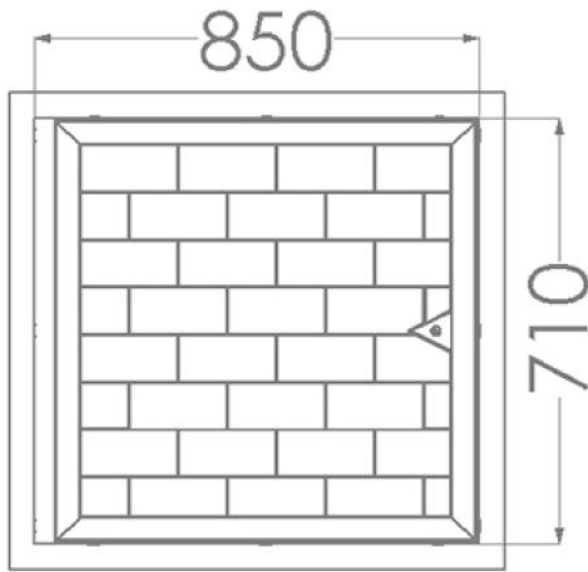
They contain all the features of our Kent Solo Paver Manholes. In addition the manholes are hinged with a robust stainless steel hinge, they have keying in mesh to allow block adhesion with epoxy mortar, and they have Kent lift-assist mechanical struts to allow the manholes to be opened with a force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

The Kent Hinged Solo pavers are installed in Lusail City (Qatar) and London (England).

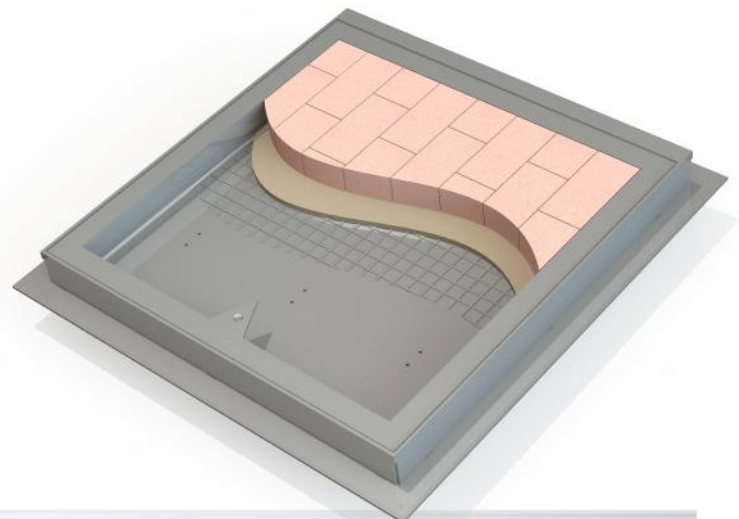
Features:

- Triangle lifting points aid block cutting
- Optional Safety Grid
- Safety Stay as standard
- Kent Lift-Assist Mechanical Struts
Identification normally comprises
 - Manufacturer
 - Loading
 - Year of Manufacture
 - Utility Identification
- Tapered sides to prevent jamming
- Covers in various depths (80mm standard, 100mm regularly requested)
- Full Perimeter Flange
- Gas struts for smaller sizes



KENT HINGED SOLO PAVER KSP-900/900


Product Code	Clear Opening	Tray Depth	Visible Frame Size (Unsealed)
KHSP-450/450	450mm x 450mm	80mm	560mm x 700mm
KHSP600/450	600mm x 450mm	80mm	710mm x 700mm
KHSP600/600	600mm x 600mm	80mm	710mm x 850mm
KHSP-750/600	750mm x 600mm	80mm	860mm x 850mm
KHSP-750/750	750mm x 750mm	80mm	860mm x 1000mm
KHSP-900/600	900mm x 600mm	80mm	1010mm x 850mm
KHSP900/750	900mm x 750mm	80mm	1010mm x 1000mm
KHSP-900/900	900mm x 900mm	80mm	1010mm x 1150mm



KENT HINGED SOLO PAVER KSP-900/900

Fixing Details

Step 1: When the manhole is being installed, please ensure that the tray is closed in the frame. This will prevent both the tray and frame from distorting when the concrete is being poured and whilst concrete is setting .

Step 2: Once the concrete has set, the tray can then be lifted and the grease seal area can be filled. Use Marine grade grease, to a depth of 3mm below the top of the channel recess.

Step 3: The depth and condition of the grease should be checked at constant intervals of every two to three months.

Step 4: The above details are to ensure that the true benefits of the double sealed manhole are properly achieved throughout the life of the manhole

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

Decide between
Double Seal or
Unsealed

Customise your size, or go
with our standard
clear opening
900mm x 900mm x 80 mm
(See size chart on **page 2**
for dimensions)

Specify:

Kent Hinged Solo Paver (KHSP-900/900); 900mm x 900mm clear opening, 80mm tray depth; Unsealed; Grade 316 Stainless steel; Loading FACTA B

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 AA
FACTA AAA
FACTA B
FACTA C
FACTA D

Options

Various Loadings (See FACTA and BSEN124 Tables)

Various Tray Depths (80mm, 100mm)

Safety Grid

Unsealed or Double Sealed

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

FACTA Class	Slow Moving wheel Loads	Kent Safety Test (Unfilled)
A	0.6T	0.8T
AA	1.5T	3.1T
AAA	2.5T	5.2T
B	5T	10.1T
C	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



KENT HINGED SOLO PAVER KSP-900/900

Choosing Your Steel: 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 is to 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
- Chlorine Resistant
- Low maintenance
- Durable and strong



Grade 316 Stainless Steel Kent Solo Paver installed in Lusail, Qatar



Grade 304 Stainless Steel Kent Solo Paver installed in Hemel Hempstead, London



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