Gyptone Access Hatch – Trap Guide
Rapid access system for corridor above-ceiling services
The Gyptone Access Hatch – Trap is a very easy to use drop-down system giving unhindered access into the plenum to all above ceiling services such as cable management and HVAC systems.

Gyptone Access Hatch – Trap has its own support profiles, so does not need to be supported by existing ceiling-based grids or hangers. Under normal circumstances, these units would not be subjected to loading. If lighting units are required, special attention must be paid to ensure pattressing is used and that any ‘trailing’ cable is properly fitted to allow the unit to swing down without causing any hazard.

The Gyptone Access Hatch – Trap range comes in 5 different options; Base 31 for a plain hatch and 4 perforated versions. The use of the perforations / patterns, in conjunction with the acoustic fleece backing ensures the acoustic performance is maintained in line with other ceiling products.

A range of size formats are offered with an actual unit size of 1160mm up to 1760mm in length by a fixed width of 580mm. The module size should be calculated as 1200mm – 1800mm x 600mm. This allows for a 20mm edge space which is required for access to the hanging mechanism.

Because of the size options, the Access Hatch – Trap system is normally supplied as a bespoke item with a variable lead-time depending on size and quantity required.

Access Hatch – Trap is set up in the following patterns:
- Gyptone BASE 31 (5200027526) 1160 x 580mm
- Gyptone LINE 4 (5200027622) 1160 x 580mm
- Gyptone POINT 11 (5200027527) 1160 x 580mm
- Gyptone QUATTRO 20 (5200027528) 1160 x 580mm
- Gyptone QUATTRO 50 (5200027529) 1160 x 580mm

Other sizes available by request only.
Key benefits:

- Very quick and easy to install: simple ‘hook-on’ system
- Unhindered access to above ceiling services
- Acoustic performance in line with perforation type and format
- Pre-painted; board – NCS 0500 and frame RAL 9010
- Frame & trap weight: up to 9kg (Base 31)
- Light reflectance: approx 75% for perforated and 85% for non-perforated
- Variable length options available; from 1160mm up 1760mm to suit the installation requirement
- For large scale applications, units can be mounted ‘end-to-end’ using the centre profile
- Euroclass fire rated: A2-s1,d0

Acoustic information:

The Trap units are fully perforated which provides good acoustic properties, in combination with the acoustic fleece backing.

The measurements meet the requirements of ISO 354 and are carried out on standard tiles with acoustic fleece bonded to the reverse side. The plenum height specifies the distance between the underside of the suspended ceiling system and the soffit / beams. The measurements are carried out on ceilings without any space between the units, similar to standard trap installation.
Gyptone Access Hatch – trap component overview:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Trap Wall Profile, direct  L: 2400 mm  43 mm  43 mm</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>Trap Hanger – 240, 440, 540 or 940</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Trap Wall Angle, adjustable  80 x 50 x 40 mm  (for use with Trap Wall Profile, adjustable)</td>
<td></td>
</tr>
</tbody>
</table>

The Trap unit is supplied with separate master hanger and pre-drilled holes, in which the master hanger should be fastened before the Trap unit is ready for mounting.
**Installation:**

**A  Mounting of Trap Wall Profile, Direct**

Direct Wall Profile should be used on completely flat walls. The profile is attached directly to the wall. On uneven surfaces the Adjustable Wall Profile solution should be used (see B below).

- **A1** The marking-out for the Direct Wall Profile should be placed 55 mm above the level of the finished ceiling. The lower edge of the profile is placed along the straight line.

- **A2** The profile is fixed to the wall using a suitable fixing, eg. Gyproc Jack-Point screws. Screws should normally be fixed at 400mm centres. Do not use wall profiles shorter than 300 mm.

- **A3** The wall profile is now fastened and the mounting of the Trap units can be carried out as shown in diagram A3.

**B  Mounting of Trap Wall Profile, Adjustable**

Wall Profile Adjustable should be used on uneven walls. The profile is attached to the wall via the Adjustable Wall Angle.

- **B1** The marking-out for the Wall Profile Adjustable should be placed 75 mm above the required level of the finished ceiling. The lower edge of the wall angle is placed along the marked straight line. The profile is attached to the wall using a suitable fixing, eg. Gyproc Jack-Point screws. Screws should normally be fixed at 400mm centres.

- **B2** Wall Profile Adjustable should be attached to the wall angle using the enclosed bolt set. Adjustment of the profile before bolts/nuts are tightened. Where a number of wall profiles are required, these can be linked using The Trap Coupling fitting.

- **B3** Trap unit is now mounted on the wall profile, as shown in diagram B3.
Mounting of Trap Centre Profile

Trap Centre Profile should be used where two or more Trap units are mounted end by end. Transverse stiffening is needed where three or more Trap units are mounted end to end.

C1 Marking-out for the Centre Profile should allow the strap to be placed above the centre profile – right in the middle – pointing in the same direction as shown in the picture, but never right above the punching of the centre profile. The profile is attached to the soffit using a suitable fixing.

C2 The Trap Suspension piece can now be slid onto the centre profile and positioned below the hanger.

C3 The lowest part of the hanger is pushed into the suspension piece. The tab of the Trap Hanger should be bent up and over to lock the coupling e.g. by means of a screw driver.

C4 The centre profile is placed and adjusted to the same level as the other profiles. Trap Hanger components should be tied together with two clips.

C5 The Trap unit can now be mounted on the Centre Profile, as shown in diagram C5.

Typical layouts:

1. Stabilisation via transverse bracing strut
2. Trap modules
3. Trap centre profile and suspension piece
4. Wall profile direct
5. Wall profile adjustable c/w bracket
Additional details include:

Note:
When three or more trap units are installed end-to-end, additional stability must be incorporated at every second unit and is best achieved by using bracing struts which run from wall-to-wall and are also affixed to the centre profile sections.

Cleaning and maintenance:
Gyptone trap units can generally be cleaned using a damp cloth. Most standard mild cleaning agents can be used though avoid using abrasive products. If required, the surfaces can be re-painted using only a short pile (mohair) type roller. Do not spray paint as this will affect the sound absorption properties of acoustic tissue backing.