

Underfloor trunking system



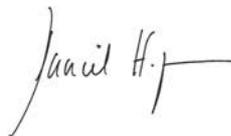
Dear Friends and Partners,

We are pleased to present the underfloor trunking system catalogue.

Hager stands for sustainability and our E3 Initiative is an excellent example of this. Fully aware of our responsibility to both society and the environment, we are proud to make a contribution to the better use of the limited available resources. It is a belief that plays a vital role in all our new developments. The three Es, by the way, stand for the categories of "ethics, environment and eco-efficiency". And behind each category there is an actual catalogue of measures to which Hager is expressly committed, measures including: the United Nations Global Compact initiative, which the Hager Group joined in 2007; and the environmental standard ISO 14000, to which most of our sites are already certified to. In this respect, ecological development and production technologies are given as much careful consideration as to the products themselves that make a contribution to make better use of the resource electricity.

Innovation, customer proximity, simplicity and reliability are the very basis of the Hager brand. We keep in close contact with our customers, regularly surveying their wishes and needs before incorporating that feedback into the development of our new systems. The same applies to this brochure which we have designed for you as a practical tool. Why not have a browse and find out for yourself?

Best regards



Daniel Hager

UFS

underfloor trunking system

Hager underfloor trunking system – Designed to incorporate telephone, power and ancillary system service cables and to facilitate distribution in commercial establishments.

Easy and efficient installation, an installation result which is convenient and advantageous – All these statements have one background: Hager.

We have enlarged our range of product solutions and now also offer a range of products for underfloor installation. Customers, who want comfortable installation in commercial and residential buildings, will use Hager products.



The screed embedded trunking system can be installed in offices or administrative buildings, exhibition rooms or in residential construction. The system can be applied where a robust construction is required. The Underfloor Trunking System is a solution for complex power and communication requirements.

Flexible systems for electrical installation are more and more required. The screed embedded trunking system can be used for any kind of screed including monolithic cement screed, floating and flowing screed or mastic asphalt/hot screed.

The new system comprises different products which can be used together to provide a customer-oriented underfloor configuration: underfloor trunkings, service outlet boxes and junction boxes in different versions and associated accessories.

Underfloor Trunking Systems are intended for screed laying systems. Screed levels can be adapted from 65mm to 100mm.



Service outlet and junction boxes



Empty **service outlet box** case, with 3 compartments ready to be equipped.



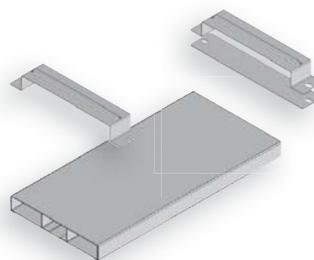
Plates with power sockets and data modules to equip the box.



Frame and lid to cover the equipped box.



Junction box with fly over ready for cable passing.



Trunking, clamps and brackets to bring cables to the junction box.



Frame and lid to cover the equipped box.



service outlet
box

A fully equipped **service outlet box** with power sockets and data modules.



junction
box

A complete **junction box** for secure cable passing.

Underfloor trunking system

Easy and efficient

The system is compliant with the current requirements of IEE regulations.

Before planning the underfloor system, the depth of screed must be known. The floor covering (carpet or tiles) is also important to choose the correct system.



The advantages for you:

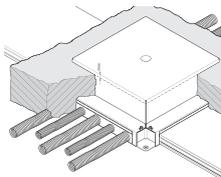
- 3 compartments
- Adapted to install power, telephone and data sockets
- Height adjustable
- For carpet and tile finishes
- Reversible door

Technical data:

- Available in 250 x 250 mm and 350 x 350 mm sizes
- Galvanized steel (DIN EN 10142)
- High pressure zinc alloy casting support pillars
- Load capacity: 1,5KN (small surface area); 5KN (large surface area)
- Screed height options: 65-85mm; 85-100mm

Expert tips

1



Fast and simple installation

The prefabricated underfloor trunkings including accessories allow a fast and simple installation on the site.

3



Easy cable installation

Complicated procedures to insert cables are no longer necessary. With this system it is possible to lay cables easily, space-savingly and in a neat and orderly manner or in bundles.

2



Robust quality

All underfloor trunkings, junction and service outlet boxes are made of galvanized steel according to DIN EN 10142 thus being corrosion-resistant.

Description

- Consisting of a metal casing for installing onto the level of a structural slab
- The system serves the placement onto the screed.
- Designed for the assembly of devices, subdivided in 3 chambers, e.g power (energy), data, phone.
- Adapted to adjust screed levels with additional lid and frame including a disposable lid.

Technical data

- Galvanized steel
- Rust protection
- Adapted for conduits with a diameter of 20 – 25mm
- Adapted for a screed height of 65, 85mm or 85-100mm
- Polyamide frame and lid for SB and JB.

Advantages

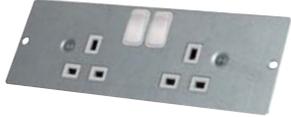
- Easy to install
- Feeding via flexible conduits or trunking
- Compartments can be separated
- High stability

Delivery

- Perforation for feeding via conduits or trunkings
- Earthing connection
- Installation instruction

Application

- Adapted to install devices
- 3 compartments
- Mounting in screed
- Height adjustable by lid and frame

Designation	Characteristics	Cat. ref.
 HUF-SB2403	250 x 250 mm for 240 x 38/28 trunking	HUF-SB2403
	350 x 350 mm for 340/240 x 38/28 trunking	HUF-SB3403
Blank plate	sheet steel for service outlet box	HUF-BP3
13A BS twin switched socket outlet	Plate and module together	HUF-DPSS82 (limited stocks)
Socket outlet plate	Sheet steel to mount socket module	HUF-SSBS82
 HUF-SSBS82 + WMSS82-M	Socket Module	13A BS twin socket module WMSS82-M
Data outlet plate	2 x 2 gang (without data module) sheet steel	HUF-DP4M
 HUF-DP4M	RJ11 data module	keystone 4 pin telephone (22.5 x 45 mm) WGMRJ11
RJ45 data module	keystone 8 pin cat 6 data (22.5 x 45 mm)	WGMRJ456
 HUF-BP3	Blank plate for data outlet	white plastic (22.5 x 45 mm) WGMV1
 WGMRJ11 WGMRJ456 WGMV1	Frame and lid for carpet for service outlet box depth: 5mm	for screed floor 65-85 mm: 250 x 250 mm HUF-LS240655 350 x 350 mm HUF-LS340655
for screed floor 85-100 mm: 250 x 250 mm HUF-LS240855 350 x 350 mm HUF-LS340855	Frame and lid for tiles for service outlet box depth: 12mm	for screed floor 65-85 mm: 250 x 250 mm HUF-LS2406512 350 x 350 mm HUF-LS3406512
 HUF-LS240655	for screed floor 85-100 mm: 250 x 250 mm HUF-LS2408512 350 x 350 mm HUF-LS3408512	for screed floor 85-100 mm: 250 x 250 mm HUF-LS2408512 350 x 350 mm HUF-LS3408512
Raised floor outlet box with frame and lid depth: 5mm	250 x 250mm	HUF-RF263H5

Junction box

- Consisting of a metal casing for installing onto the level of a structural slab
- The system serves the placement onto the screed.
- For a combination with under floor trunkings.
- With an integrated fly over for 3 – chamber – channels.
- Adapted to adjust screed levels with additional lid and frame including a disposable lid.

Trunking

- Metal channels made of galvanised steel plates/ sheets, subdivided in 3 compartments.
- For constructing a grid, fish-bone or comb pattern installed onto the level of a structural slab.

Brackets

for the fastening of trunkings, one bracket per feeding (max. 4 brackets per box)

Clamps UKS

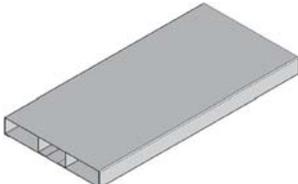
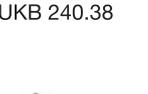
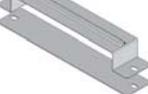
to connect and to fix trunkings (potential equalisation is realized by clamping the trunking end between base and lid)

Advantages

- Easy to install
- High stability

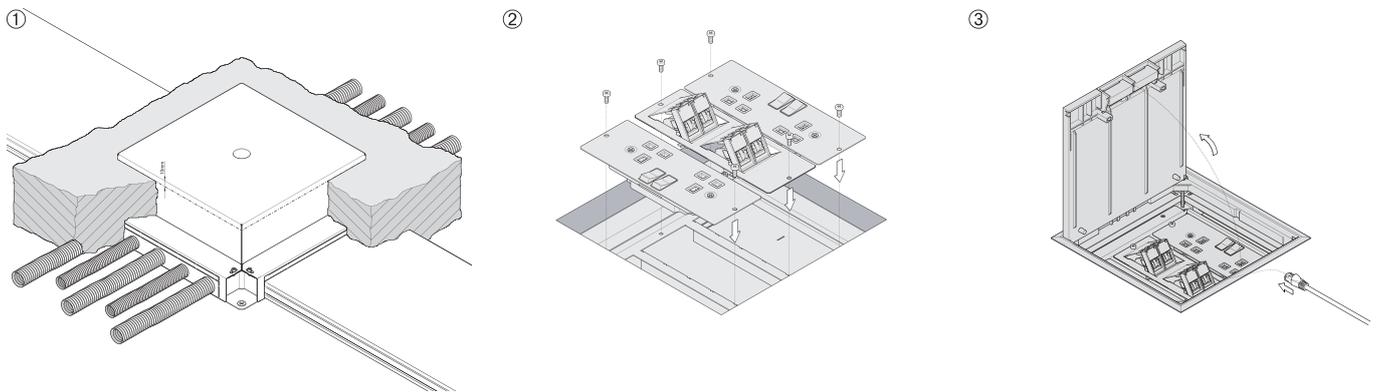
Technical data

- Material: galvanized steel (DIN EN 10142)
- Thickness (brackets and clamps): 0,90 mm
- 3 compartments
- 4 dimensions
- Trunking UK according DIN VDE 0634 Part 2 for embedding in screed
- Bottom part of trunking with snap-on cover
- Material thickness for trunking: Upper part 1,25 mm, bottom part 0,75 mm, as from trunking width 340 mm material thickness bottom part 0,90 mm
- Standard length of delivery for trunking: 2000 mm

	Designation	Characteristics	Cat. ref.
	Junction boxes	250 x 250 mm for 240 x 38/28 trunking	HUF-JB2403
		350 x 350 mm for 340/240 x 38/28 trunking	HUF-JB3403
	Frame and lid for carpet for junction box depth: 5mm	for screed floor 65-85 mm:	
		250 x 250 mm	HUF-LS240655
		350 x 350 mm	HUF-LS340655
		for screed floor 85-100 mm:	
	250 x 250 mm	HUF-LS240855	
	350 x 350 mm	HUF-LS340855	
	Frame and lid for tiles for junction box depth: 12mm	for screed floor 65-85 mm:	
		250 x 250 mm	HUF-LS2406512
		350 x 350 mm	HUF-LS3406512
		for screed floor 85-100 mm:	
	250 x 250 mm	HUF-LS2408512	
	350 x 350 mm	HUF-LS3408512	
	Screw type cover depth : 8 mm 250 x 250 mm	for screed floor 65-85 mm	HUF-SC240658
		for screed floor 85-100 mm	HUF-SC240858
	Screw type cover depth : 7 mm 350 x 350 mm	for screed floor 65-85 mm	HUF-SC340657
		for screed floor 85-100 mm	HUF-SC340857
	Underfloor trunking galvanized steel, 3 compartments 2m length	240 x 28 mm	UK 240.28-3
		240 x 38 mm	UK 240.38-3
		340 x 28 mm	UK 340.28-3
		340 x 38 mm	UK 340.38-3
	Brackets UKB for fastening of trunkings sheet steel	240 x 28 mm	UKB 240.28
		240 x 38 mm	UKB 240.38
		340 x 28 mm	UKB 340.28
		340 x 38 mm	UKB 340.38
	Clamps UKS for fastening of trunkings sheet steel	240 x 28 mm	UKS 240.28
		240 x 38 mm	UKS 240.38
		340 x 28 mm	UKS 340.28
		340 x 38 mm	UKS 340.38

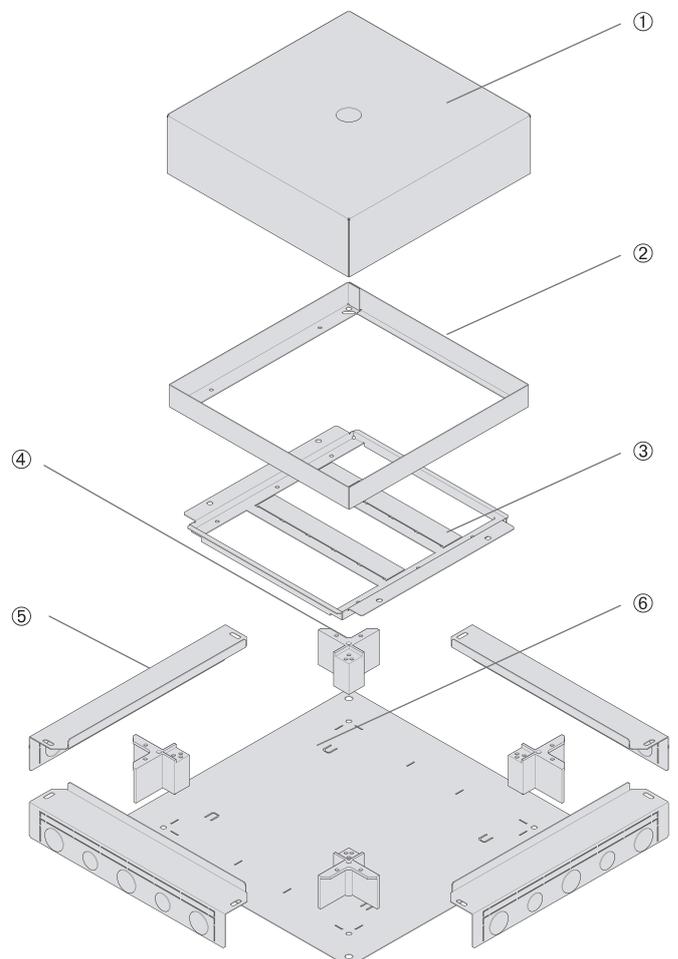
Installation

- ① The service outlet box should be positioned according to the development and be placed to the level of the structural slab. The sides are with pre-marked knock-outs for conduits or underfloor trunking. The assembly-protective lid prevents the penetration of screed cement and will be removed after the floor covering.
- ② Devices can be installed after removing the assembly-protective lid. On demand, the earth cable system should be connected first to the electrical grounding's support-points. The devices are going to be fixed to the device's support frame with screws. Partitions are attached to the device support-frames. Three separate chambers are going to be produced through a down folding. Devices for power, data, phones can be installed optionally in each chamber.
- ③ The service outlet box is covered with lid and frame. The frame thereby is placed on the previously laid flooring. Depending on the height of the floor lids and frames can be chosen. Lids and frames are screwed together to the service outlet box. The lid can be then covered with the flooring. The level of the flooring should be compared with the appropriate lids and frames. The cover is designed according to the EN engineering standards with a load of 1500 N. A cable outlet is attached to the cover which protects the devices from damages. The cover can be opened with a metal bracket.



System overview

- ① Disposable lid
- ② Protective frame
- ③ Frame of device
- ④ Pillar support
- ⑤ Side plate
- ⑥ Ground plate

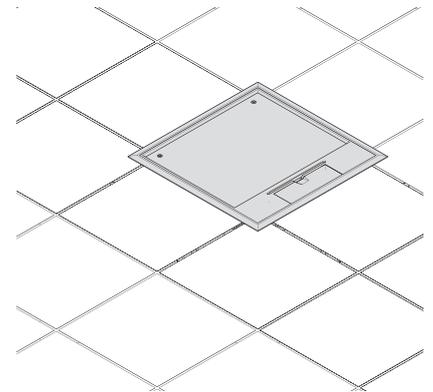
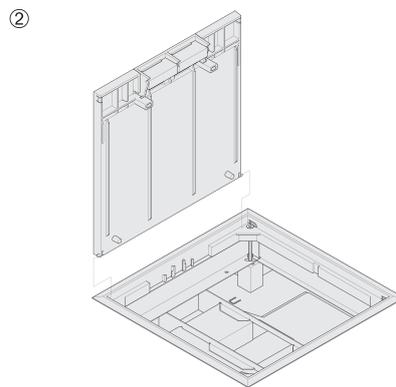
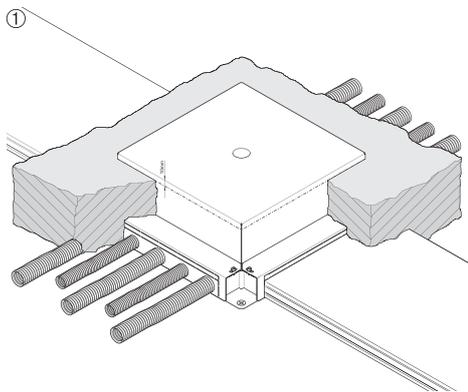


Installation

① According to the installation structure, grids, fishbones or comb patterns can be produced with the junction box and the under floor trunkings. The sides are with pre-marked knock-outs for conduits or underfloor trunking and there is a fly over integrated in the junction box which serves a cable separation.

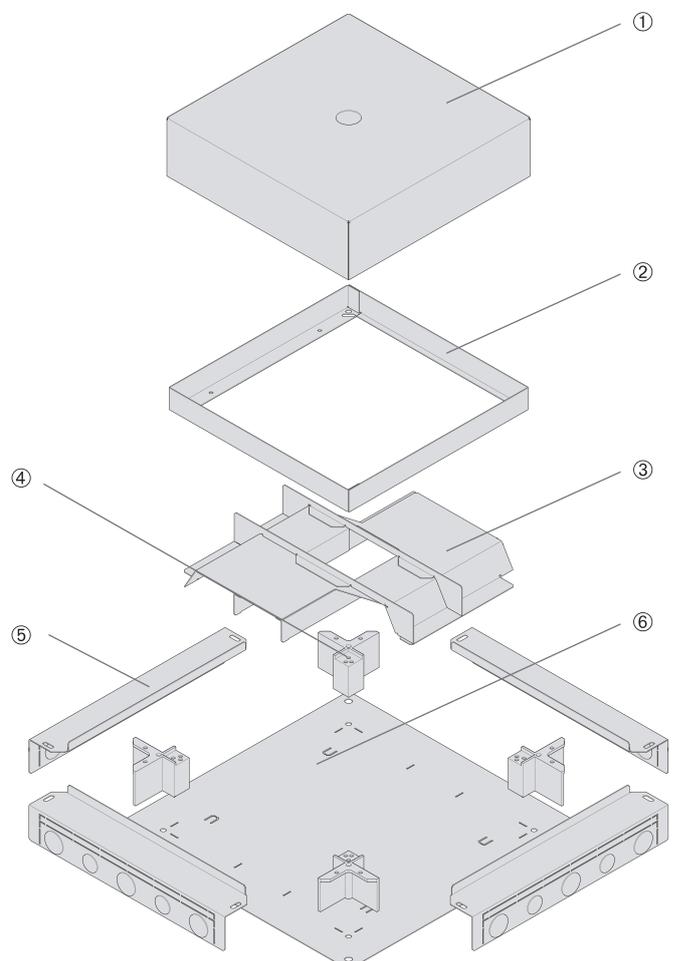
The assembly-protective lid prevents the penetration of screed cement and will be removed after the floor covering.

② The junction box is covered with lid and frame. The frame thereby is placed on the previously laid flooring. Depending on the height of the floor lids and frames can be chosen. Lids and frames are screwed together to the junction box. The lid can be then covered with the flooring. The level of the flooring should be compared with the appropriate lids and frames. The cover is designed according to the EN engineering standards with a load of 1500 N. A cable outlet is attached to the cover which protects the devices from damages. The cover can be opened with a metal bracket.



System overview

- ① Disposable lid
- ② Protective frame
- ③ Fly over
- ④ Pillar support
- ⑤ Side plate
- ⑥ Ground plate



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