



SAFETY AT THE HIGHEST LEVEL

KeeWalk Step Over Instructions for Use Manual



Checking the Step Over System's Components

A



Weighted foot assembly

B



Front guardrail upright

C



Step module guardrails

D



Bridge module guardrails

E



Toe board assembly

H



Stair tread assembly

F



Bridge module

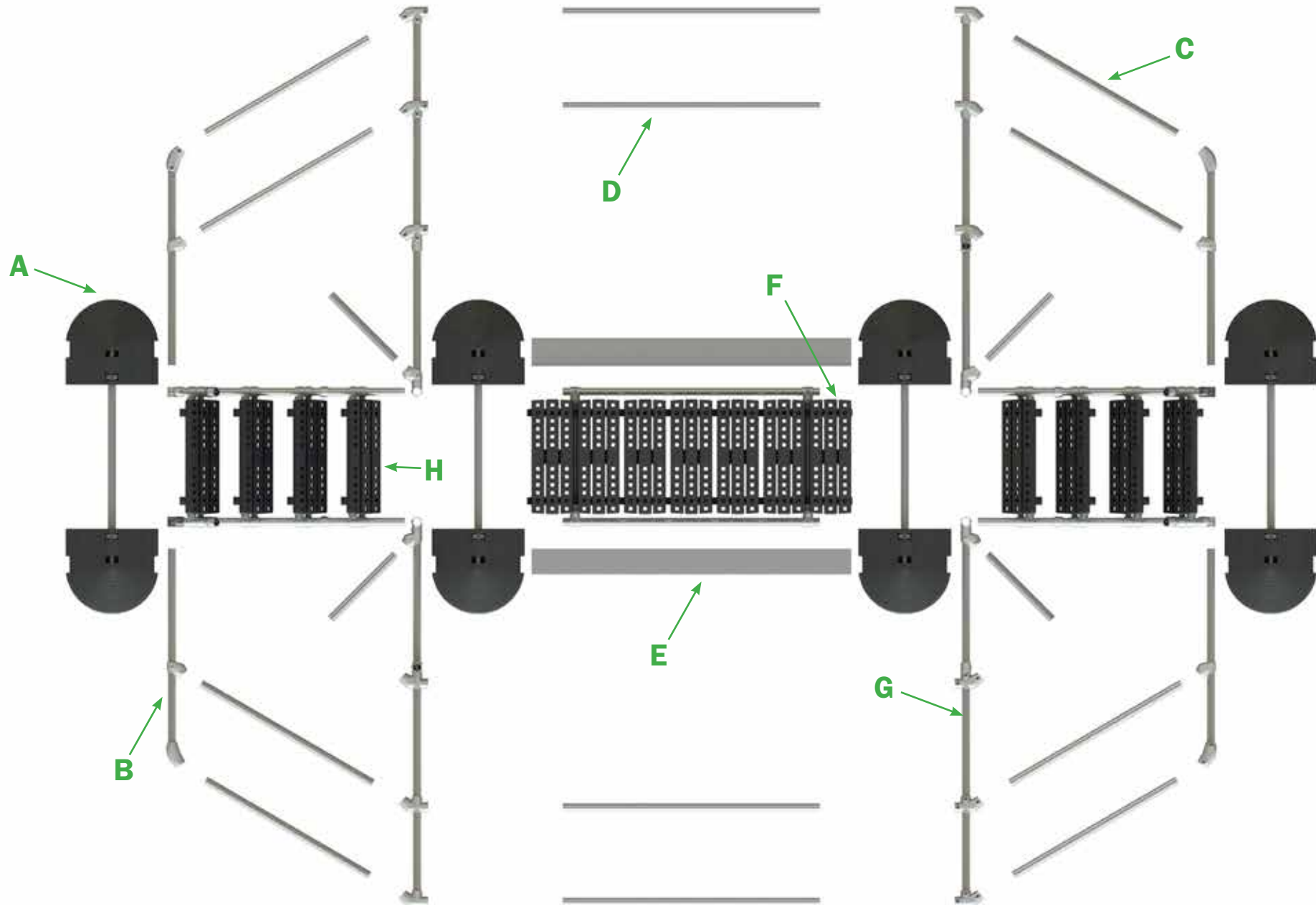
G



Back upright assembly

Checking the Step Over System's Components

Exploded view of system layout and location of components and sub-assemblies:



Platforms for the Major Roof Types

4. The Kee Safety Step Over modules are available to suit all major roof types

The Step Over range consists of a number of different configurations to suit the major flat roof types. Membrane and concrete roof type platforms are standard units whereas metal profile roofs are bespoke to the particular application requiring a survey and semi-bespoke base plate layout design. This will ensure a perfect fit and other height/width/length variables can be accommodated as a bespoke solution - contact Kee Safety for further information.

Step Overs for membrane/Asphalt/PVC roofs



Step over shown with 440 base feet for membrane/asphalt/PVC roofs.

Roof Type	Obstacle Height (mm)	Obstacle Width (mm)	Foot Type	Part Number
Membrane/Asphalt/PVC	600	1000	440-7	STMB600
Membrane/Asphalt/PVC	800	1000	440-7	STMB800
Membrane/Asphalt/PVC	1000	1000	440-7	STMB1000
Membrane/Asphalt/PVC	1200	1000	440-7	STMB1200
Membrane/Asphalt/PVC	1400	1000	440-7	STMB1400

Platforms for the Major Roof Types

The Kee Safety Step Over modules are available to suit all major roof types

The Step Over range consists of a number of different configurations to suit the major flat roof types. Membrane and concrete roof type platforms are standard units whereas metal profile roofs are bespoke to the particular application requiring a survey and semi-bespoke base plate layout design. This will ensure a perfect fit and other height/width/length variables can be accommodated as a bespoke solution - contact Kee Safety for further information. Where access is limited on a roof, or within a warehouse environment, we can offer the below solution.

Concrete floors/restricted access roofs*



Roof Type	Obstacle Height (mm)	Obstacle Width (mm)	Foot Type	Part Number
Concrete	600	1000	62-7/63-7	STCR600
Concrete	800	1000	62-7/63-7	STCR800
Concrete	1000	1000	62-7/63-7	STCR1000
Concrete	1200	1000	62-7/63-7	STCR1200
Concrete	1400	1000	62-7/63-7	STCR1400

*Concrete slab and elastomeric pad to be used on membrane/asphalt/PVC roofs to spread the imposed load from the platform.

5. Installation should only be carried out once the design has been verified in the Step Over Configurator and the installer has been fully trained by Kee Safety.

Tool list:

- Ratchet
- Hex Key Socket Screw sized 5/16"AF
- Torque wrench 10-60Nm
- Electric/battery drill
- Electric/battery impact driver
- Selection of drill bits – including 8.5mm diameter bit
- Tape Measure
- Line and level
- Full metric socket set
- Full set metric spanners
- Full set of metric Allen keys
- Full set of imperial Allen keys
- Copper/Rubber mallet
- Rags and cleaning fluid

STEP 1

Assembling back leg upright with weights and cross rail

Take both back upright assemblies (Part G) to the position of the obstacle, along with the weighted foot assemblies (Part A).

Starting with the left-hand side back upright assembly, up end the upright such that it is orientated with the 10-7 fitting at the bottom. Pick up the weight cross rail, and feed through into the lower fitting of the upright, and slide the right-hand side towards the left.

Insert the cross rail at mid-point to connect both uprights together.

Insert the 74-7 fittings into the 440-7 weights and add the weights to either end of the tube, ensuring the weights are inserted fully. Tighten the 74-7 grubscrews to 39Nm.

Manoeuvre the assembled rear upright into position at the point of install.

Tighten all grubscrews to the required 39Nm torque setting.



Assembling the Step Over

STEP 2 - Repeat Step 1 for other side of stair case

Repeating of step 1 enables the other side of the uprights to be built, which in turn allows the next phase of the build to commence.

Repeating all sub sets of step 1 to build other side of platform uprights



STEP 3 - Assemble bridge module and guardrail onto rear leg uprights

Take the bridge platform subassembly (Part F) framework and insert into the 326 fitting present on one side of the rear uprights, followed by the handrails (Part B) into the fittings further up the upright.

Bring the opposite outer leg assembly to meet the platform, and locate tubes from bridge module subframe into the slope fittings present on the uprights.

Add the Kee Walk bridge tread assembly to the substrate, ensuring it is centered left/right and front/back and fix into place using the 105-7 fittings to the underside and securing in place with self-drilling screw.

Inserting bridge subframe tubes into uprights at obstruction



Inserting bridge subframe tubes into uprights at obstruction and securing walkway



Assembling the Step Over

STEP 4 - Stair Case assembly

Take the stair tread assembly module (Part H) to the area in which it is to be installed, and collect the 440 weights, cross tubes and relevant fittings (Part A).

Insert the lower weight cross tube into the lower 10-7 fittings sliding from left to right; space the tube such that an equal overhang exists both sides. And tighten grub screws on 10-7's to 39Nm.

Locate cross brace tube into C50-77 fitting and tighten.

Take the pre-assembled stair module and move towards assembled bridge platform in previous steps.



STEP 4

STEP 5 - Stair Case assembly

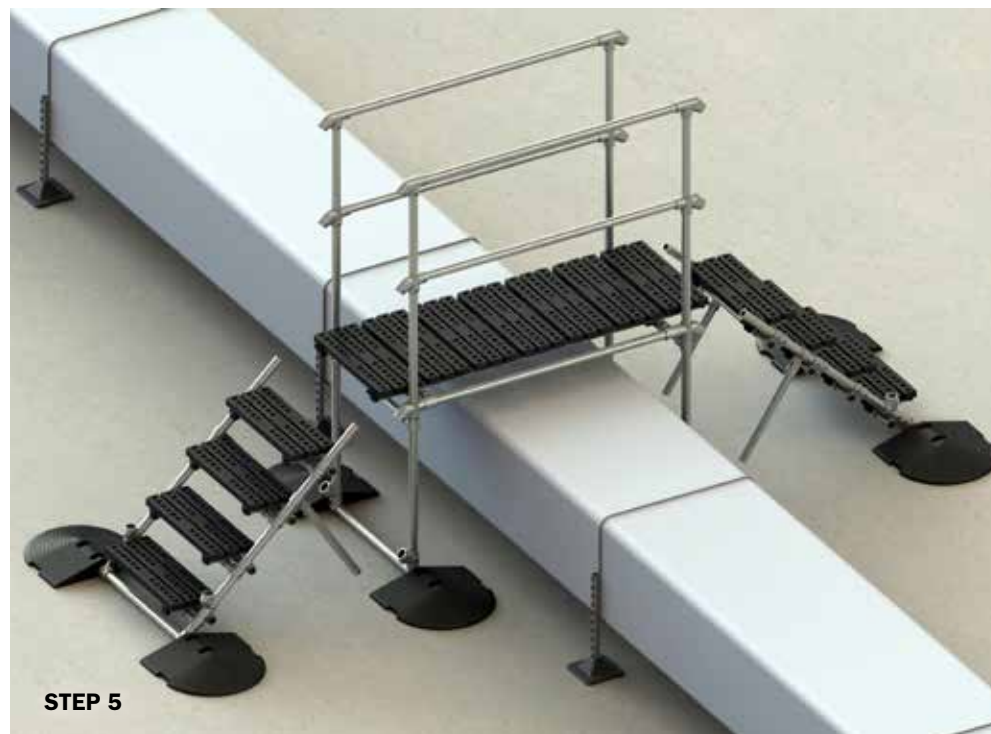
Locate upper tube from staircase and brace tube in the correct orientation to meet the corresponding tube sockets in the lower 29-7 and upper 326-7 Fitting.

Starting with the upper tube, manoeuvre the lower tube down towards the stair assembly and lower the staircase such that the upper tube can be inserted into the 326-7 fitting. Before fitting fully, located lower tube into 29-7 fitting.

Push both tubes on both sides home, ensuring staircase is square. Lightly tighten grub screws to locate stair assembly into place.

Insert the 74-7 fitting into the weights and slide the weights onto the end of the tube ensuring that they are fully inserted.

Double check for location, once happy tighten all grub screws to 39Nm. Repeat the procedure for the other staircase.



STEP 5

7. KEE WALK STEP OVER SYSTEM RECERTIFICATION

- Periodic inspections by a competent person are recommended by the manufacturer. In UK/Europe these are required under Regulation 5 of the Workplace (Health, Safety & Welfare) Regulations, the Work at Height Regulations and BS EN 365. The frequency will depend upon the environment, location and usage but should be at least every 12 months.
- Walk and visually inspect the complete installed system in relation to the clients general needs. Establish if any modifications and/or additional products are required to reflect any refurbishment requirements or additional plant & equipment which have been installed and require access.
- Check installation configuration is complete as per the original installation drawing/plan.
- Ensure the system has not been modified or tampered with by unauthorised persons.
- Check all base feet are in contact with the roof.
- Check all counter weights (where present on original drawing) are in place as per the original drawing. This is essential for longevity of the roof.
- Check all grub screws are in place and correctly torqued.
- Check the general height and level of the system including the leg centres and platform overall configuration.
(This only tends to be an issue if the system has been tampered with between inspections).
- Any galvanised components showing signs of corrosion should be wire brushed thoroughly and galvanised spray/paint applied as appropriate. If rusted significantly, take digital photographs and include these in the inspection report.
- Where toe-boards are fitted check the brackets that support the toe-board are in place and sufficiently torqued.
- Where applicable check fixings to walls/structures including cat ladder clamps are in place and sufficiently torqued.

