



**ONVLEE**  
ALUMINIUM WALKWAYS

**DATASHEET**

Purposefully designed and engineered  
for rooftop solar installations.

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**60**  
YEARS

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Director: J.R. Onvlee

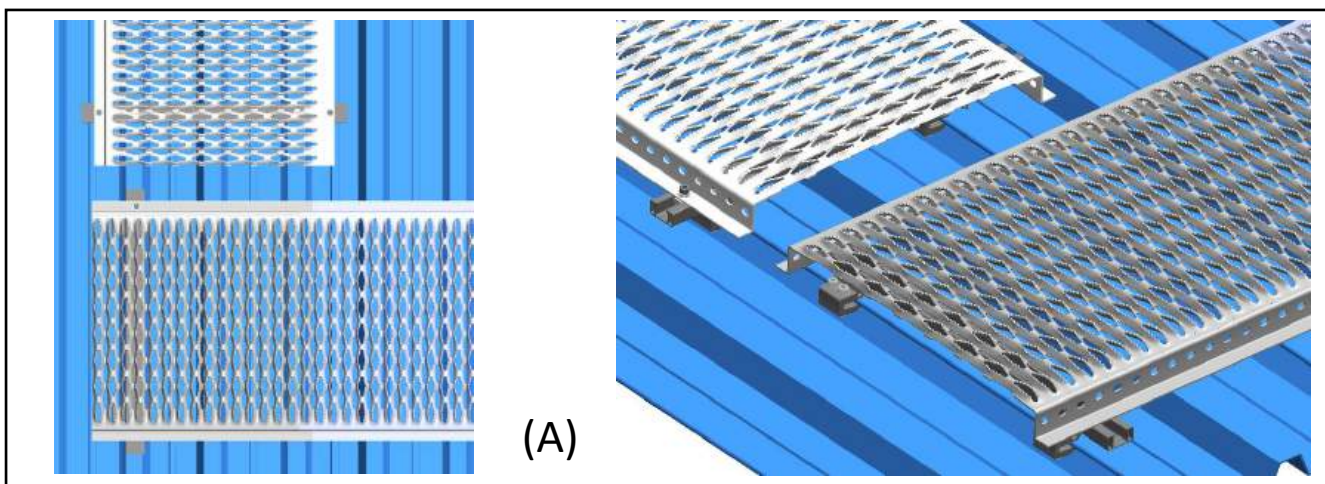
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# SAFETY INSTRUCTIONS FOR ALL ROOF WALKWAY INSTALLATIONS

## ASSEMBLY OF WALKWAYS TO ROOFS

### INSTRUCTIONS:

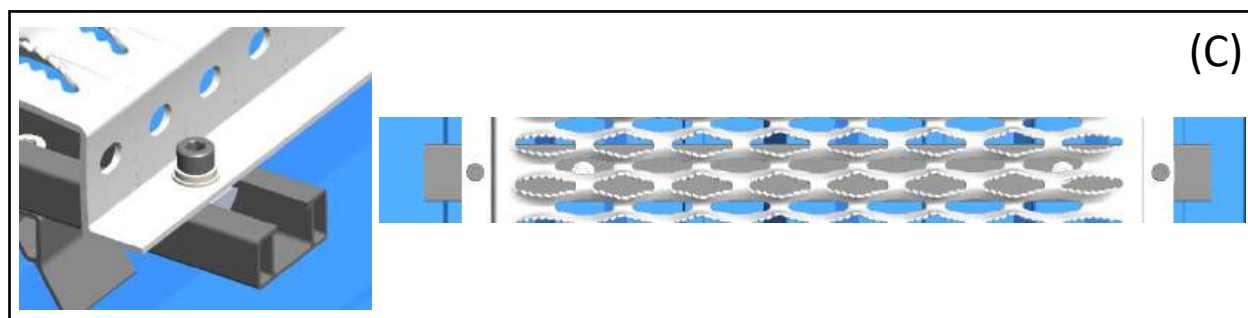
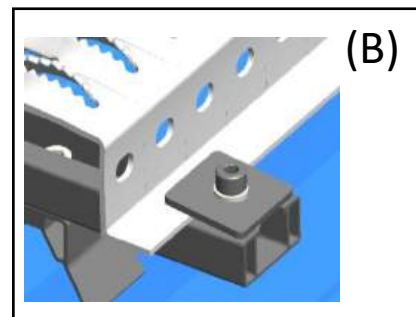
1. Ensure all walkways at all times are securely fastened to the mounting rail supporting the walkway (A)
2. Mounting rails to be used parallel and perpendicular to roof sheeting as per illustration below (A)



## INSTALLING OF WALKWAYS ON ROOFS WITH GRADIENTS

### INSTRUCTIONS:

1. All walkways to be installed with a minimum of 2x bolts, flat & spring washers clamping through a drilled hole in the walkway and fastened into a profile nut (C)
2. Remaining walkway length can be fastened by clamping over the walkway as per image (B)
3. All walkways installed on a roof with a gradient of 5 degrees or more, are to use the mounting method shown in image (C) for all mounting rails supporting the walkway





## STEP 1: JOINING OF 2x WALKWAYS

### PARTS REQUIRED:

- 2x Walkways (A)
- 2x Mounting profile (Cut to length - 240mm) (B)
- 8x M8x20 Cap screws per mounting rail (C)
- 8x M8 Flat washers per mounting rail (C)
- 8x M8 Spring washers per mounting rail (C)
- 8x Profile nuts per mounting rail (D)

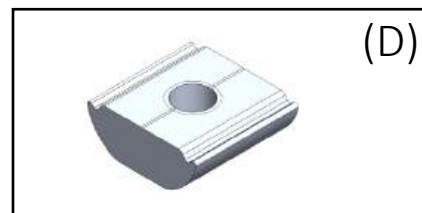
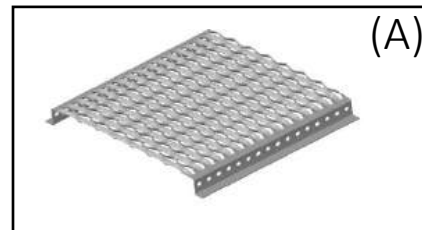
### TOOLS REQUIRED:

- 6mm Allen Key
- Torque wrench

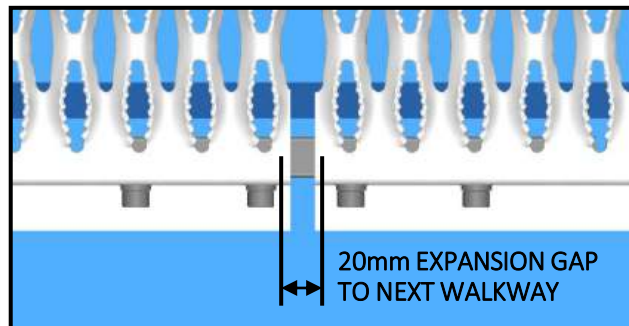
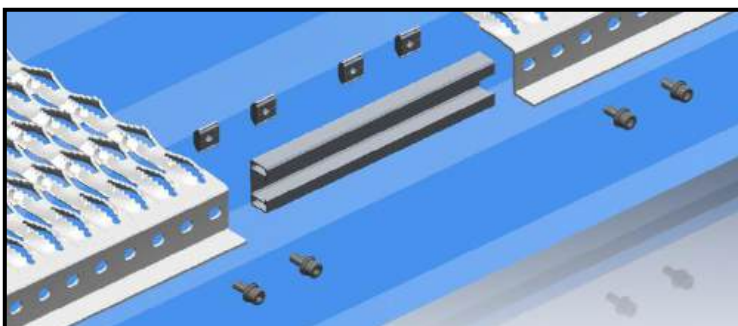
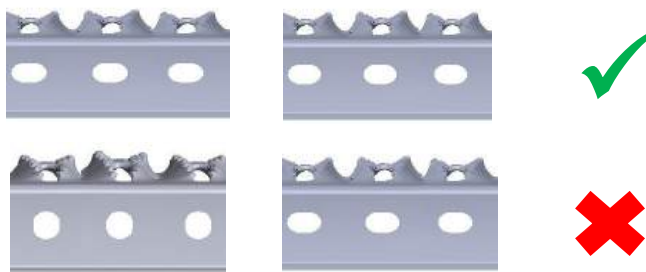
### INSTRUCTIONS:

1. Place the M8x20 cap screw with the flat & spring washer (C) through the slots on the walkway profile (As per below). preferably with at least 1 hole spacing between the bolts.
2. Loosely screw the profile nut (D) onto each bolt (C)
3. Slide the mounting rail (B) over the profile nuts (D) on the one end of the walkway (A), and tighten the bolts once in the desired position
4. Slide the joining walkway (A) over the mounting rail (B) and tighten the bolts once in position
5. Ensure 20mm expansion gaps between consecutive walkways (E)

**Note: All M8 bolts to be tighten to a torque of 24nm**



### OVAL HOLES ON SIDE OF WALKWAY TO MATCH ON CONSECUTIVE LENGTHS (K)



WALKWAY SPLICE ASSEMBLY KIT BOM (IES)

Item	Description	Quantity	Part CAD Image
IEM#10	Rail (top fix) 20x240mm AL6063 T6 Mill	2	
IEM#3	Cap Screw - M8x20mm SS304	8	
IEM#4	Spring Washer M8 SUS304	8	
IEM#5	Flat Washer M8x16x1,5 SUS304	8	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	8	

# BROWN BUILT ROOF WALKWAY ASSEMBLY (IEM-BB1)

## STEP 1: PRE-ASSEMBLY OF BROWN BUILT BRACKETS

### PARTS REQUIRED:

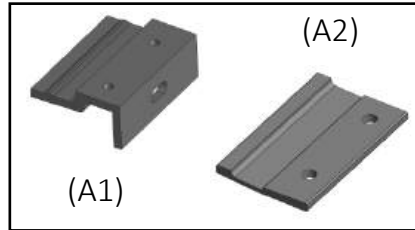
- Brown Built roof brackets (A1) & (A2)
- M825 cap screw & spring washer (B)

### TOOLS REQUIRED:

- 6mm Allen key

### INSTRUCTIONS:

1. Pre-assembly the Brown Built brackets loosely (2x brackets per mounting profile required) (B)



## STEP 2: BOLTING OF BROWN BUILT BRACKETS TO ROOF SHEET

### PARTS REQUIRED:

- Pre-assembled Brown Built roof brackets (B)
- Mounting rail (Cut to length) (D)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)

### TOOLS REQUIRED:

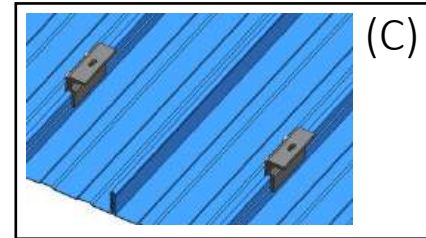
- Electrical/Battery operated drill
- 9mm Drill bit
- 6mm Allen key
- Tape Measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof
2. Cut walkway to length if required
3. Position the mounting rail (D) 150mm from either edge of the walkway (Front & Back)
4. Slide the pre-assembled Brown Built brackets over the roof sheets into position and tighten to 24nm
5. Place the mounting rail (D) on top of the Brown Built brackets (C)
6. Mark the position for the M8x20 cap screws
7. Drill a 9mm hole in the required areas on the mounting rail (D)
8. Bolt the M8x20 cap screws into the Brown Built bracket and tighten with a torque of 24nm

### NOTE:

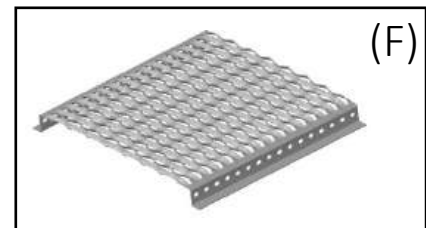
- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart



## STEP 3: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

- Walkway (F)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (G)
- 2x Clamp washers per mounting rail (H)



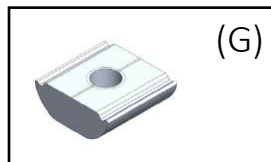
# BROWN BUILT ROOF WALKWAY ASSEMBLY (IEM-BB1)

## TOOLS REQUIRED:

- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure

## INSTRUCTIONS:

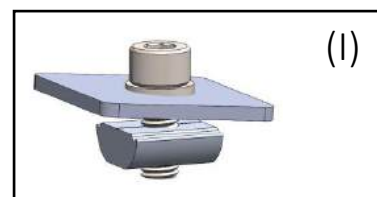
1. Place the walkway onto the mounting rails (150mm from either mounting rail)
1. Position the walkway on top of the mounting rails
2. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (I)
3. Slide the assembled clamp unit into the mounting rail and over the walkway (I)
4. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
5. Continue the process for the remaining rails
6. Ensure 20mm expansion gaps between consecutive walkways (J)



(G)

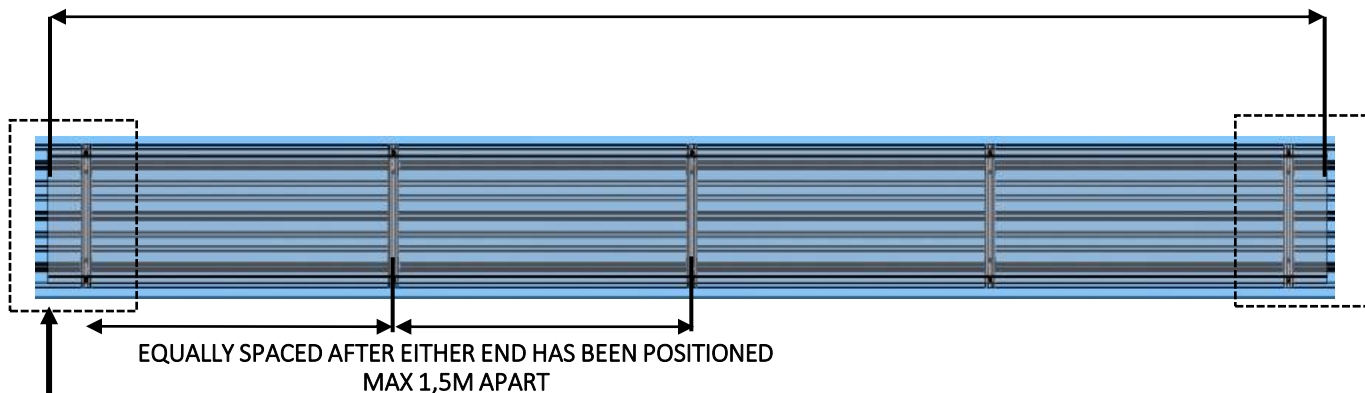


(H)



(I)

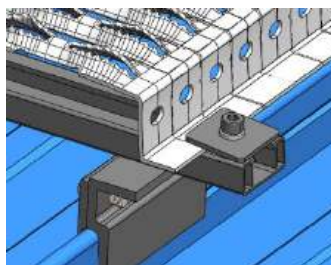
STANDARD LENGTH 5.7m



150mm (FACE TO FACE)

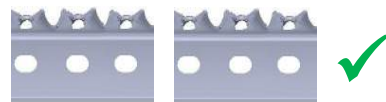


20mm EXPANSION GAP  
TO NEXT WALKWAY (J)



OVAL HOLES ON SIDE OF  
WALKWAY TO MATCH ON  
CONSECUTIVE LENGTHS  
(K)

(K)



# BROWN BUILT ROOF WALKWAY ASSEMBLY (IEM-BB1)

## BROWN BUILT WALKWAY ASSEMBLY KIT BOM (IEM-BB1)

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#13	Brown Built Clamp AL6005	10	
IEM#3	Cap Screw - M8x20mm SS304	20	
IEM#4	Spring Washer M8 SS304	20	
IEM#5	Flat Washer M8x16x1,5 SS304	20	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#7	Nut M8 Standard SS304	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	



# CORRUGATED IRON ROOF WALKWAY ASSEMBLY (IEM-CR1)

## STEP 1: BOLTING OF MOUNTING RAIL TO CORRUGATED IRON ROOF SHEET

### PARTS REQUIRED:

- Rubber protective seals (A)
- Mounting profile (Cut to length) (B)
- M5x20 self tapping screw with rubber washer (C)

### TOOLS REQUIRED:

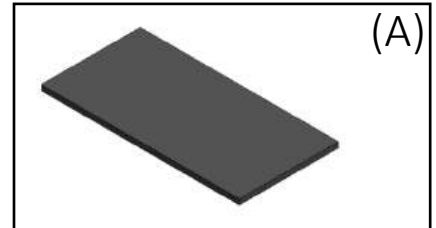
- Electrical/Battery operated drill
- 8mm socket with adaptor to attach to drill chuck
- Tape measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof (D)
2. Cut walkway to length if required
3. Position the mounting rail (B) 150mm from either edge of the walkway (Front & Back)
4. Place the rubber protective seal (A) onto the roof
5. Place the mounting rail (B) on top of the rubber seal (A)
6. Mark the position for the M5x20 self tapping screw
7. Screw the mounting rail firmly to the roof

### NOTE:

- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart



## STEP 2: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

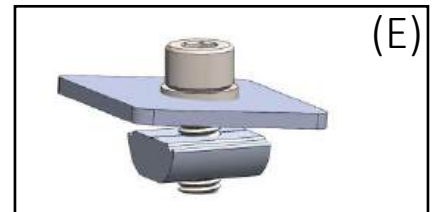
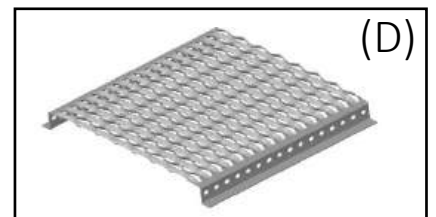
- Walkway (D)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (F)

### TOOLS REQUIRED:

- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure

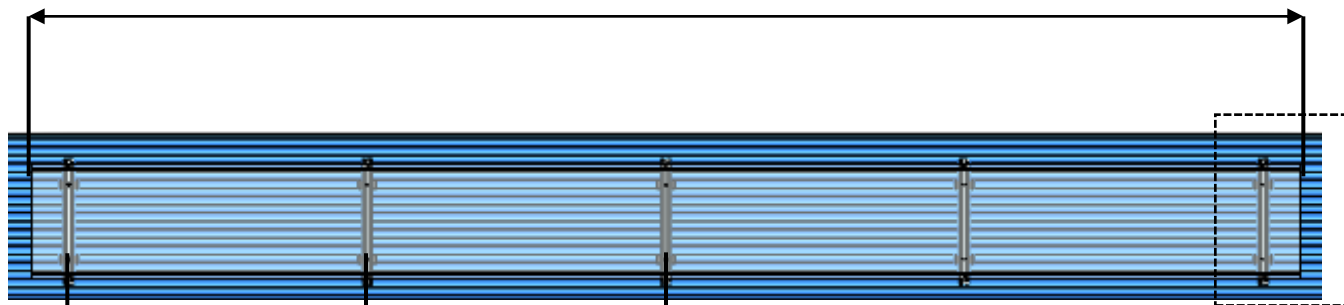
### INSTRUCTIONS:

1. Place the walkway onto the mounting rails (150mm from either mounting rail)
2. Position the walkway on top of the mounting rails
3. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (E)
4. Slide the assembled clamp unit into the mounting rail and over the walkway (E)
5. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
6. Continue the process for the remaining rails
7. Ensure 20mm expansion gaps between consecutive walkways (F)



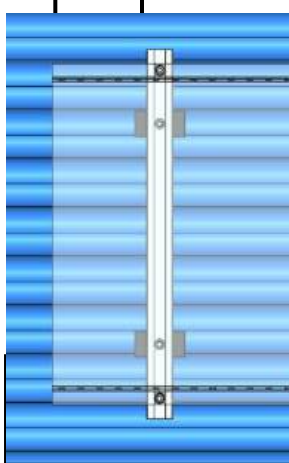
# CORRUGATED IRON ROOF WALKWAY ASSEMBLY (IEM-CR1)

STANDARD LENGTH 5.7m

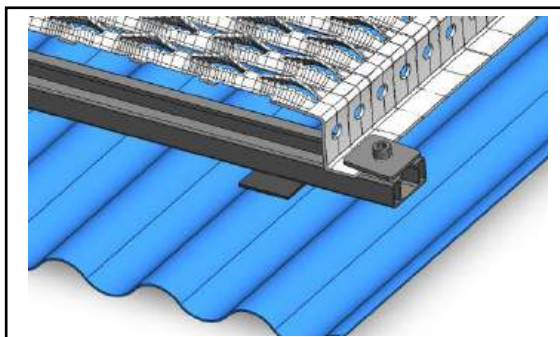


EQUALLY SPACED AFTER EITHER END HAS BEEN POSITIONED  
MAX 1,5M APART

150mm (FACE TO FACE)

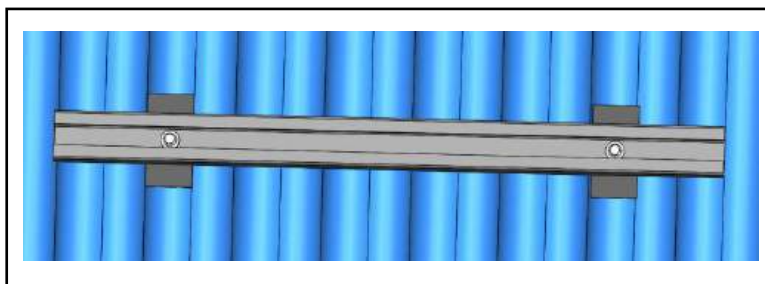


20mm EXPANSION GAP TO NEXT WALKWAY (F)



OVAL HOLES ON SIDE OF WALKWAY TO MATCH ON CONSECUTIVE LENGTHS (K)

(K)



## CORRUGATED WALKWAY ASSEMBLY KIT BOM (IEM-CR1)

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#8	EPDM Rubber 80x40x2mm	10	
IEM#9	Self-drilling screw 25mmx5,5mm class 4 coated	10	
IEM#3	Cap Screw - M8x20mm SS304	10	
IEM#4	Spring Washer M8 SS304	10	
IEM#5	Flat Washer M8x16x1,5 SS304	10	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	

# CRAFT LOCK “TYPE” ROOF WALKWAY ASSEMBLY (IEM-CL1)

## STEP 1: PRE-ASSEMBLY OF CRAFT LOCK BRACKETS

### PARTS REQUIRED:

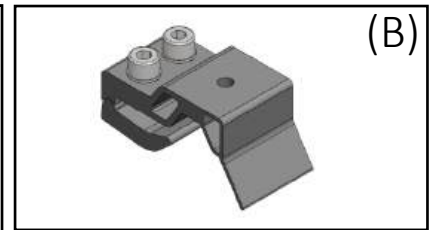
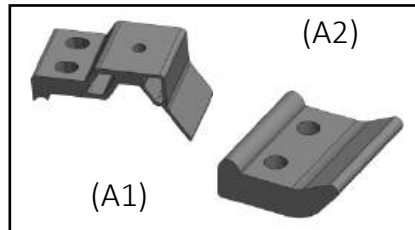
- Craft lock roof brackets (A1) & (A2)
- M8x35 cap screw & flat washer (B)

### TOOLS REQUIRED:

- 6mm Allen key

### INSTRUCTIONS:

1. Pre-assembly the Craft lock brackets loosely (2x brackets per mounting profile required) (B)



## STEP 2: BOLTING OF CRAFT LOCK BRACKETS TO ROOF SHEET

### PARTS REQUIRED:

- Pre-assembled Craft lock roof brackets (B)
- Mounting rail (Cut to length) (D)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)

### TOOLS REQUIRED:

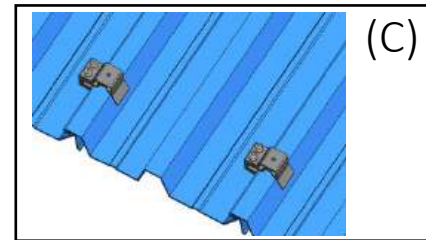
- Electrical/Battery operated drill
- 9mm Drill bit
- 6mm Allen key
- Tape Measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof
2. Cut walkway to length if required
3. Position the mounting rail (D) 150mm from either edge of the walkway (Front & Back)
4. Slide the pre-assembled Craft lock brackets over the roof sheets into position and tighten to 24nm
5. Place the mounting rail (D) on top of the Craft lock brackets (C)
6. Mark the position for the M8x20 cap screws
7. Drill a 9mm hole in the required areas on the mounting rail (D)
8. Bolt the M8x20 cap screws into the Craft lock bracket and tighten with a torque of 24nm

### NOTE:

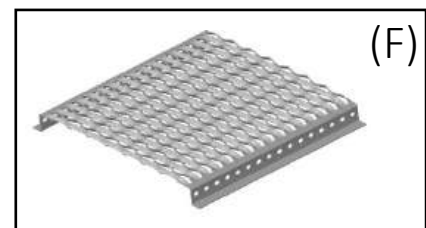
- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart



## STEP 3: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

- Walkway (F)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (G)
- 2x Clamp washers per mounting rail (H)





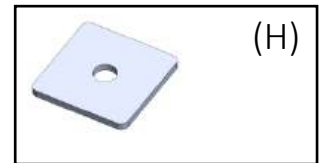
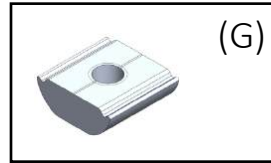
# CRAFT LOCK “TYPE” ROOF WALKWAY ASSEMBLY (IEM-CL1)

## TOOLS REQUIRED:

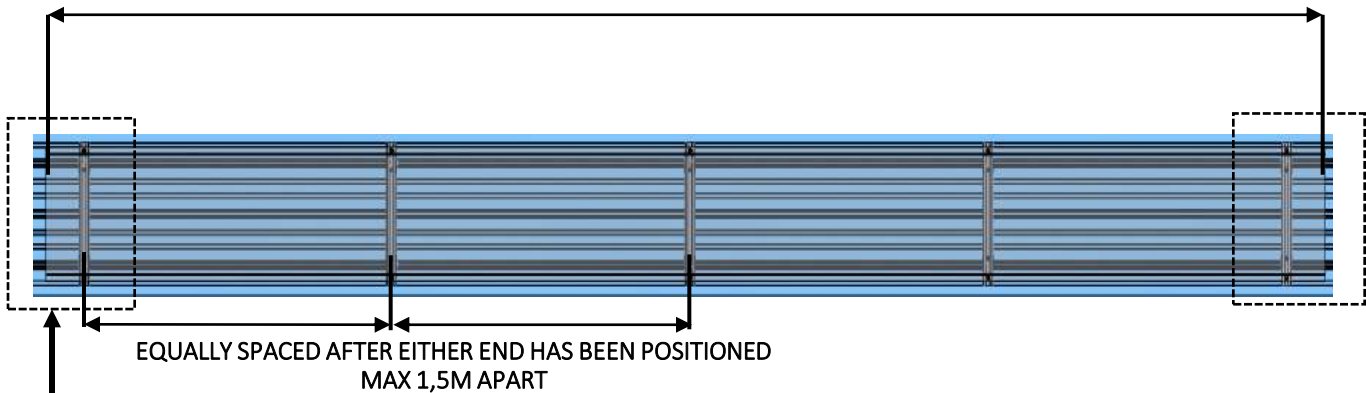
- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure

## INSTRUCTIONS:

1. Place the walkway onto the mounting rails (150mm from either mounting rail)
2. Position the walkway on top of the mounting rails
3. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (I)
4. Slide the assembled clamp unit into the mounting rail and over the walkway (I)
5. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
6. Continue the process for the remaining rails
7. Ensure 20mm expansion gaps between consecutive walkways (J)



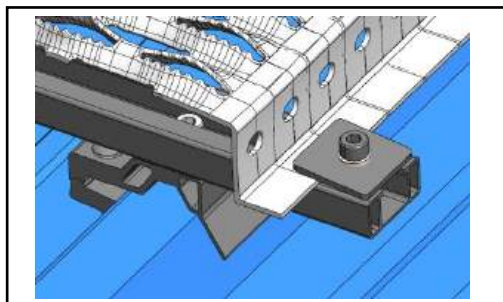
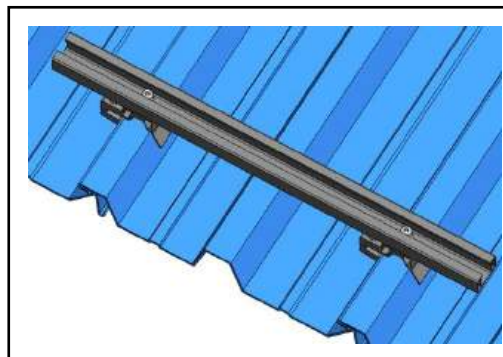
STANDARD LENGTH 5.7m



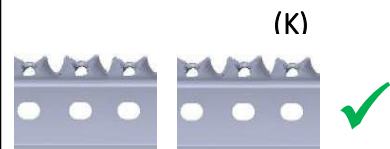
150mm (FACE TO FACE)



20mm EXPANSION GAP TO NEXT WALKWAY (J)



OVAL HOLES ON SIDE OF WALKWAY TO MATCH ON CONSECUTIVE LENGTHS (K)



# CRAFT LOCK “TYPE” ROOF WALKWAY ASSEMBLY (IEM-CL1)

## CRAFT LOCK WALKWAY ASSEMBLY KIT (IEM-CL1)

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#11	Craft Lock Roof Top Clamp	10	
IEM#3	Cap Screw - M8x20mm SS304	20	
IEM#4	Spring Washer M8 SS304	20	
IEM#5	Flat Washer M8x16x1,5 SS304	20	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#7	Nut M8 Standard SS304	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	

# DIAMONDEK 700 'SPRINGLOK' WALKWAY ASSEMBLY

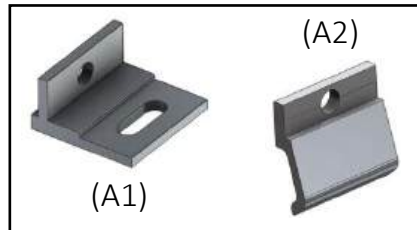
## STEP 1: PRE-ASSEMBLY OF DIAMONDEK 700 'SPRINGLOK' BRACKETS

### PARTS REQUIRED:

- Diamondek 700 'springlok' roof brackets (A1) & (A2)
- M8x25 cap screw & spring washer (B)
- M8 Nut (B)

### TOOLS REQUIRED:

- 6mm Allen key



### INSTRUCTIONS:

1. Pre-assembly the Diamondek 700 'springlok' brackets loosely (2x brackets per mounting profile required) (B)

## STEP 2: BOLTING OF DIAMONDEK 700 'SPRINGLOK' BRACKETS TO ROOF SHEET

### PARTS REQUIRED:

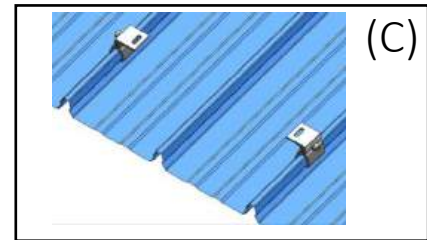
- Pre-assembled Diamondek 700 'springlok' roof brackets (B)
- Mounting rail (Cut to length) (D)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x M8 Nuts (E)

### TOOLS REQUIRED:

- Electrical/Battery operated drill
- 9mm Drill bit
- 6mm Allen key
- 13mm Spanner
- Tape Measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof
2. Cut walkway to length if required
3. Position the mounting rail (D) 150mm from either edge of the walkway (Front & Back)
4. Slide the pre-assembled Diamondek 700 'springlok' brackets over the roof sheets into position and tighten to 24nm
5. Place the mounting rail (D) on top of the Diamondek 700 'springlok' brackets (C)
6. Mark the position for the M8x20 cap screws
7. Drill a 9mm hole in the required areas on the mounting rail (D)
8. Bolt the M8x20 cap screws into the Diamondek 700 'springlok' bracket and tighten with a torque of 24nm



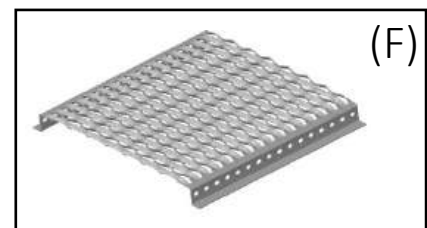
### NOTE:

- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart

## STEP 3: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

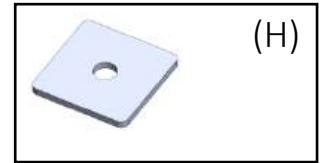
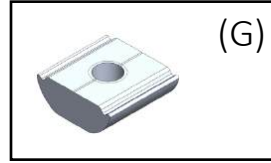
- Walkway (F)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (G)
- 2x Clamp washers per mounting rail (H)



# DIAMONDEK 700 'SPRINGLOK' WALKWAY ASSEMBLY

## TOOLS REQUIRED:

- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure

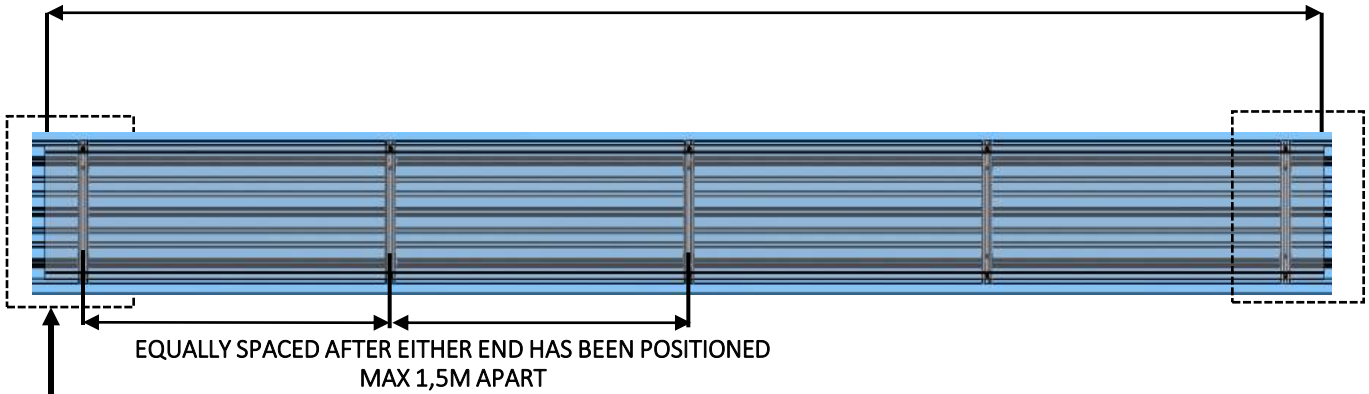


## INSTRUCTIONS:

1. Place the walkway onto the mounting rails (150mm from either mounting rail)
2. Position the walkway on top of the mounting rails
3. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (I)
4. Slide the assembled clamp unit into the mounting rail and over the walkway (I)
5. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
6. Continue the process for the remaining rails
7. Ensure 20mm expansion gaps between consecutive walkways (J)



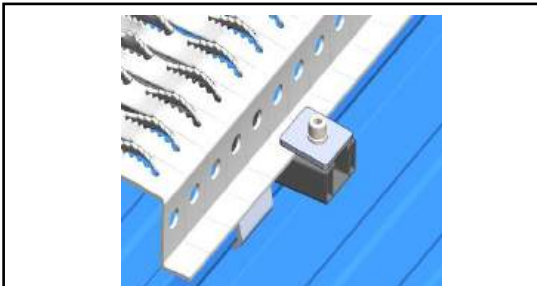
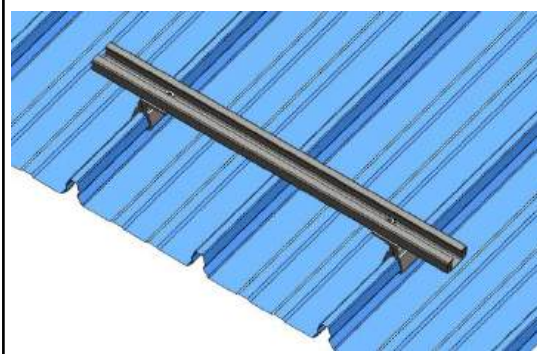
STANDARD LENGTH 5.7m



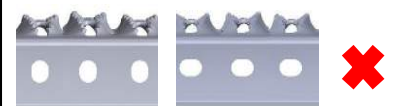
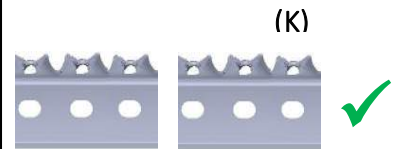
150mm (FACE TO FACE)



20mm EXPANSION GAP  
TO NEXT WALKWAY



OVAL HOLES ON SIDE OF  
WALKWAY TO MATCH ON  
CONSECUTIVE LENGTHS  
(K)





## DIAMONDEK 700 'SPRINGLOK' WALKWAY ASSEMBLY KIT BOM

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#18	Diamondek 700 'SPRINGLOK' Clamp	10	
IEM#3	Cap Screw - M8x20mm SS304	20	
IEM#4	Spring Washer M8 SS304	20	
IEM#5	Flat Washer M8x16x1,5 SS304	20	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#7	Nut M8 Standard SS304	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	

## STEP 1: BOLTING OF MOUNTING RAIL TO IBR ROOF SHEET

### PARTS REQUIRED:

- Rubber protective seals (A)
- Mounting profile (Cut to length) (B)
- M5x20 self tapping screw with rubber washer (C)

### TOOLS REQUIRED:

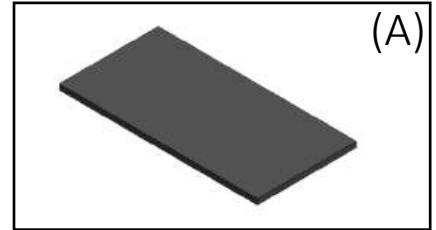
- Electrical/Battery operated drill
- 8mm socket with adaptor to attach to drill chuck
- Tape measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof (D)
2. Cut walkway to length if required
3. Position the mounting rail (B) 150mm from either edge of the walkway (Front & Back)
4. Place the rubber protective seal (A) onto the roof
5. Place the mounting rail (B) on top of the rubber seal (A)
6. Mark the position for the M5x20 self tapping screw
7. Screw the mounting rail firmly to the roof

### NOTE:

- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart



## STEP 2: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

- Walkway (D)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (F)

### TOOLS REQUIRED:

- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure

### INSTRUCTIONS:

1. Place the walkway onto the mounting rails (150mm from either mounting rail)
2. Position the walkway on top of the mounting rails
3. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (E)
4. Slide the assembled clamp unit into the mounting rail and over the walkway (E)
5. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
6. Continue the process for the remaining rails
7. Ensure 20mm expansion gaps between consecutive walkways (F)

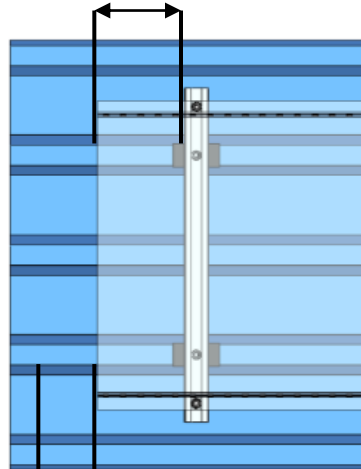


# IBR ROOF WALKWAY ASSEMBLY (IEM-IBR1)

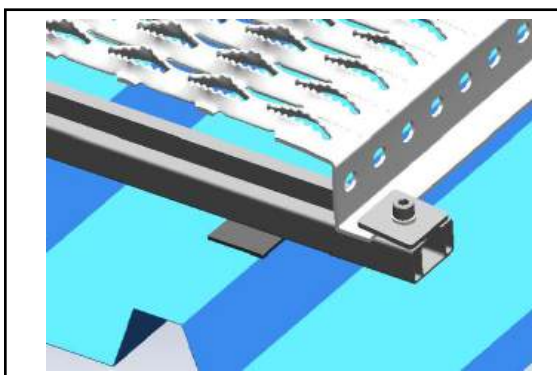
STANDARD LENGTH 5.7m

EQUALLY SPACED AFTER EITHER END HAS BEEN POSITIONED  
MAX 1,5M APART

150mm (FACE TO FACE)

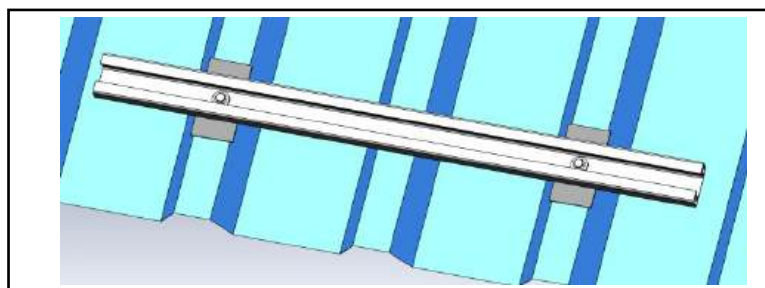


20mm EXPANSION GAP TO NEXT WALKWAY (F)



OVAL HOLES ON SIDE OF  
WALKWAY TO MATCH ON  
CONSECUTIVE LENGTHS  
(K)

(K)



## IBR WALKWAY ASSEMBLY KIT BOM (IEM-IBR1)

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#8	EPDM Rubber 80x40x2mm	10	
IEM#9	Self-drilling screw 25mmx5,5mm class 4 coated	10	
IEM#3	Cap Screw - M8x20mm SS304	10	
IEM#4	Spring Washer M8 SS304	10	
IEM#5	Flat Washer M8x16x1,5 SS304	10	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	



# SAF/KLIP-LOK "TYPE" ROOF WALKWAY ASSEMBLY (IEM-KL1)

## STEP 1: PRE-ASSEMBLY OF SAF/KLIP-LOK BRACKETS

### PARTS REQUIRED:

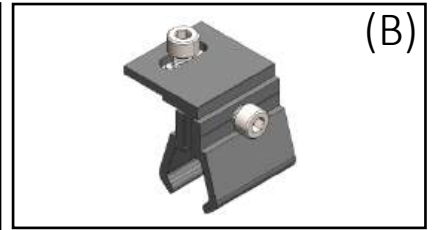
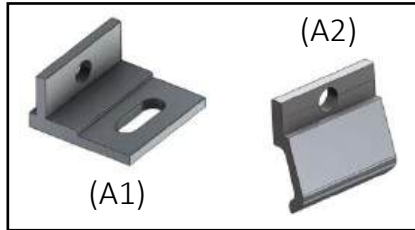
- Saf/Klip-lok roof brackets (A1) & (A2)
- M8x25 cap screw & spring washer (B)
- M8 Nut (B)

### TOOLS REQUIRED:

- 6mm Allen key

### INSTRUCTIONS:

1. Pre-assembly the Saf/Klip-lok brackets loosely (2x brackets per mounting profile required) (B)



## STEP 2: BOLTING OF SAF/KLIP-LOK BRACKETS TO ROOF SHEET

### PARTS REQUIRED:

- Pre-assembled Saf/Klip-lok roof brackets (B)
- Mounting rail (Cut to length) (D)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x M8 Nuts (E)

### TOOLS REQUIRED:

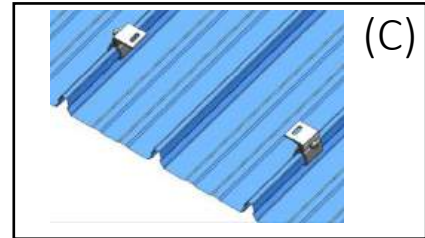
- Electrical/Battery operated drill
- 9mm Drill bit
- 6mm Allen key
- 13mm Spanner
- Tape Measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof
2. Cut walkway to length if required
3. Position the mounting rail (D) 150mm from either edge of the walkway (Front & Back)
4. Slide the pre-assembled Saf/Klip-lok brackets over the roof sheets into position and tighten to 24nm
5. Place the mounting rail (D) on top of the Saf/Klip-lok brackets (C)
6. Mark the position for the M8x20 cap screws
7. Drill a 9mm hole in the required areas on the mounting rail (D)
8. Bolt the M8x20 cap screws into the Saf/Klip-lok bracket and tighten with a torque of 24nm

### NOTE:

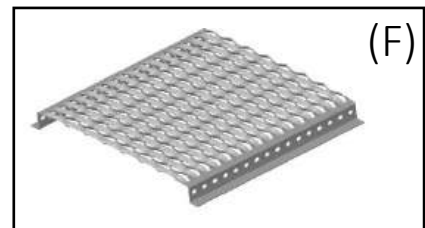
- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart



## STEP 3: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

- Walkway (F)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (G)
- 2x Clamp washers per mounting rail (H)



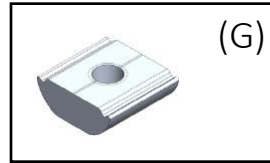
# SAF/KLIP-LOK "TYPE" ROOF WALKWAY ASSEMBLY (IEM-KL1)

## TOOLS REQUIRED:

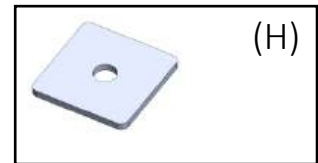
- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure

## INSTRUCTIONS:

1. Place the walkway onto the mounting rails (150mm from either mounting rail)
2. Position the walkway on top of the mounting rails
3. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (I)
4. Slide the assembled clamp unit into the mounting rail and over the walkway (I)
5. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
6. Continue the process for the remaining rails
7. Ensure 20mm expansion gaps between consecutive walkways (J)



(G)

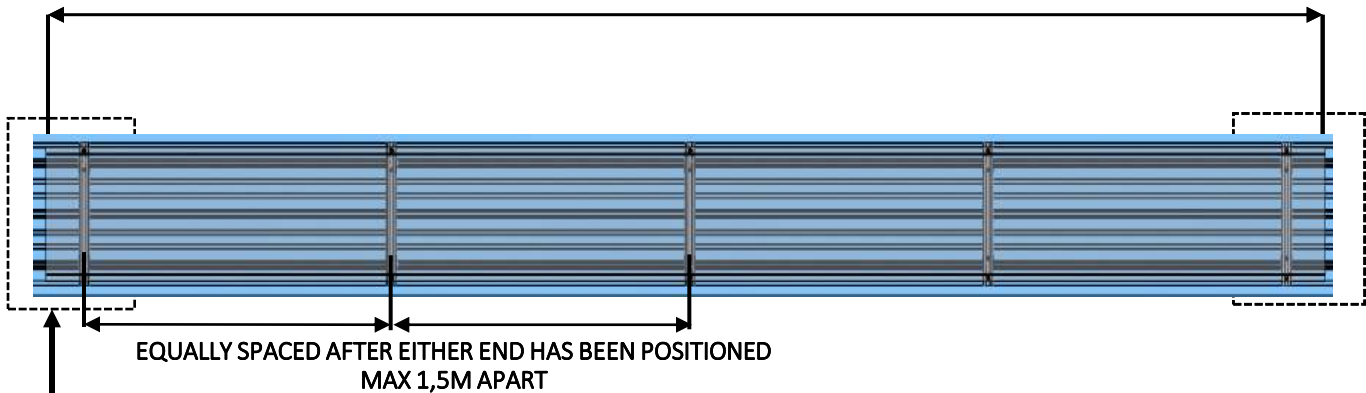


(H)



(I)

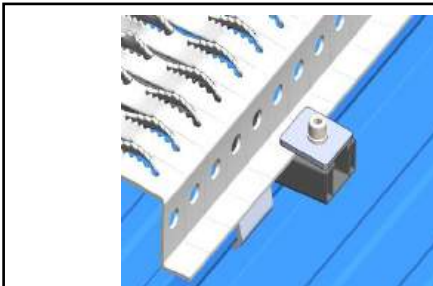
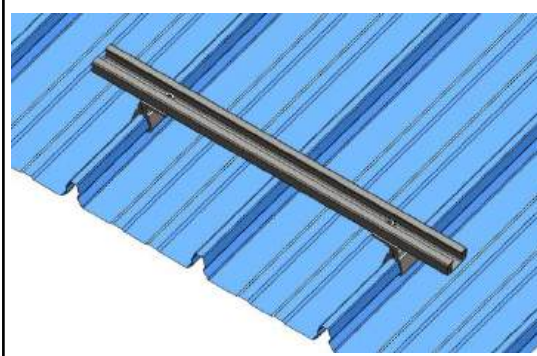
STANDARD LENGTH 5.7m



150mm (FACE TO FACE)

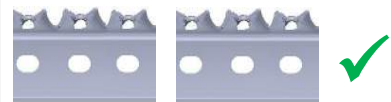


20mm EXPANSION GAP TO NEXT WALKWAY (J)



OVAL HOLES ON SIDE OF WALKWAY TO MATCH ON CONSECUTIVE LENGTHS (K)

(K)



## SAF/KLIP-LOK WALKWAY ASSEMBLY KIT BOM (IEM-KL1)

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#2	Lumax Klip- lok/Saflok 700 clamp - 80mm	10	
IEM#3	Cap Screw - M8x20mm SS304	20	
IEM#4	Spring Washer M8 SS304	20	
IEM#5	Flat Washer M8x16x1,5 SS304	20	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#7	Nut M8 Standard SS304	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	

## STEP 1: PRE-ASSEMBLY OF NOVOTEXI BRACKETS

### PARTS REQUIRED:

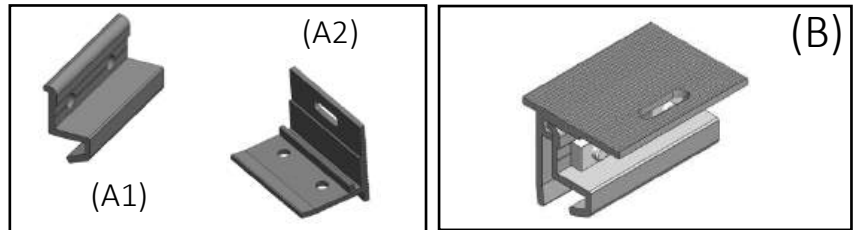
- Novotexi roof brackets (A1) & (A2)
- M8x25 cap screw & flat washer (B)
- Square nut

### TOOLS REQUIRED:

- 6mm Allen key

### INSTRUCTIONS:

1. Pre-assembly the Novotexi brackets loosely (2x brackets per mounting profile required) (B)



## STEP 2: BOLTING OF NOVOTEXI BRACKETS TO ROOF SHEET

### PARTS REQUIRED:

- Pre-assembled Novotexi roof brackets (B)
- Mounting rail (Cut to length) (D)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)

### TOOLS REQUIRED:

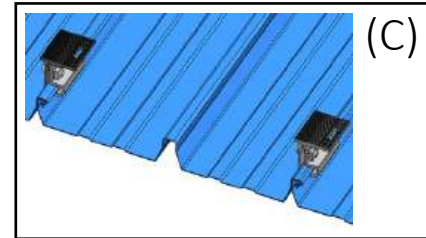
- Electrical/Battery operated drill
- 9mm Drill bit
- 6mm Allen key
- Tape Measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof
2. Cut walkway to length if required
3. Position the mounting rail (D) 150mm from either edge of the walkway (Front & Back)
4. Slide the pre-assembled Novotexi brackets over the roof sheets into position and tighten to 24nm
5. Place the mounting rail (D) on top of the Novotexi brackets (C)
6. Mark the position for the M8x20 cap screws
7. Drill a 9mm hole in the required areas on the mounting rail (D)
8. Bolt the M8x20 cap screws into the Novotexi bracket and tighten with a torque of 24nm

### NOTE:

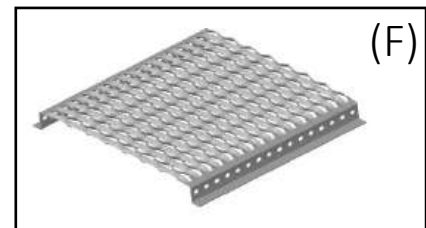
- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart



## STEP 3: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

- Walkway (F)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (G)
- 2x Clamp washers per mounting rail (H)

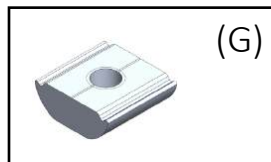




# NOVOTEXI ROOF WALKWAY ASSEMBLY (IEM-NT1)

## TOOLS REQUIRED:

- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure



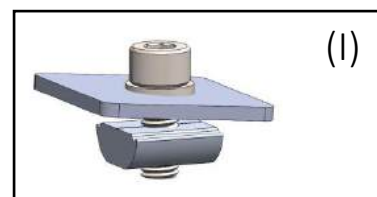
(G)



(H)

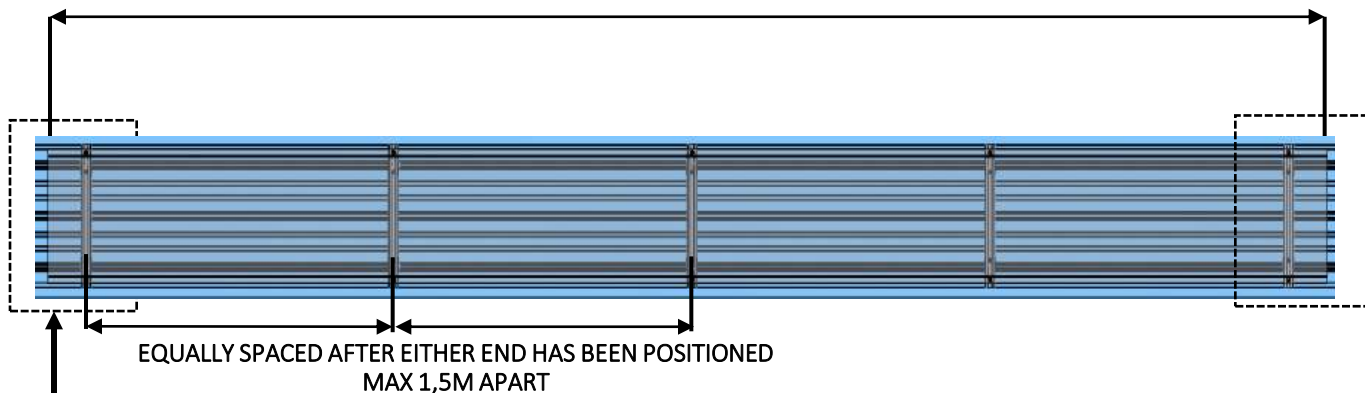
## INSTRUCTIONS:

1. Place the walkway onto the mounting rails (150mm from either mounting rail)
2. Position the walkway on top of the mounting rails
3. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (I)
4. Slide the assembled clamp unit into the mounting rail and over the walkway (I)
5. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
6. Continue the process for the remaining rails
7. Ensure 20mm expansion gaps between consecutive walkways (J)



(I)

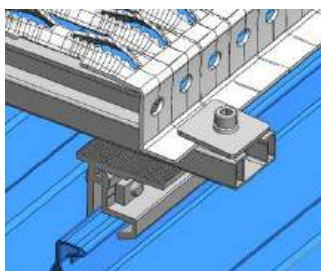
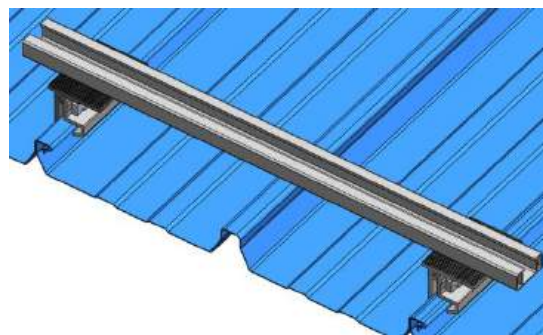
STANDARD LENGTH 5.7m



150mm (FACE TO FACE)

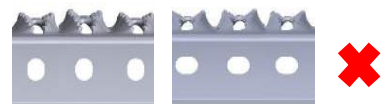
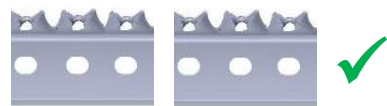


20mm EXPANSION GAP TO NEXT WALKWAY (J)



OVAL HOLES ON SIDE OF WALKWAY TO MATCH ON CONSECUTIVE LENGTHS (K)

(K)



## NOVOTEXI WALKWAY ASSEMBLY KIT BOM (IEM-NT1)

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#15	Novo Texi Clamp	10	
IEM#3	Cap Screw - M8x20mm SS304	20	
IEM#4	Spring Washer M8 SS304	20	
IEM#5	Flat Washer M8x16x1,5 SS304	20	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#7	Nut M8 Standard SS304	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	

# STANDING SEAM CLAMP "TYPE" ROOF WALKWAY ASSEMBLY (IEM-SS1)

## STEP 1: PRE-ASSEMBLY OF STANDING SEAM CLAMP BRACKETS

### PARTS REQUIRED:

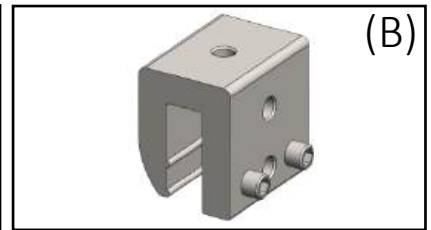
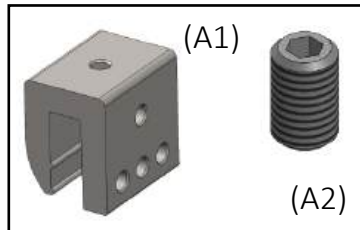
- Standing Seam Clamp brackets (A1)
- M8x12 cap screw, spring & flat washer (E)
- M8x20 grub screw (A2)

### TOOLS REQUIRED:

- 6mm Allen key

### INSTRUCTIONS:

1. Pre-assembly the Standing Seam clamp brackets with only the grub screws (A2)



## STEP 2: BOLTING OF STANDING SEAM CLAMP BRACKETS TO ROOF SHEET

### PARTS REQUIRED:

- Pre-assembled standing seam clamp brackets (B)
- Mounting rail (Cut to length) (D)
- 2x M8x12 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)

### TOOLS REQUIRED:

- Electrical/Battery operated drill
- 9mm Drill bit
- 6mm Allen key
- Tape Measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof
2. Cut walkway to length if required
3. Position the mounting rail (D) 150mm from either edge of the walkway (Front & Back)
4. Slide the pre-assembled Standing Seam Clamp lock brackets over the roof sheets into position and tighten to 24nm
5. Place the mounting rail (D) on top of the Standing Seam Clamp brackets (C)
6. Mark the position for the M8x12 cap screws
7. Drill a 9mm hole in the required areas on the mounting rail (D)
8. Bolt the M8x12 cap screws into the Standing Seam Clamp bracket and tighten with a torque of 24nm

### NOTE:

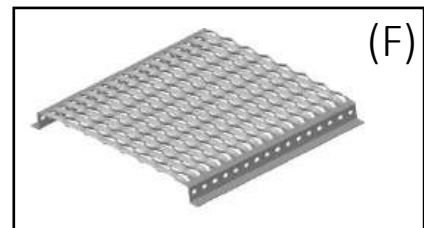
- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart



## STEP 3: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

- Walkway (F)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (G)
- 2x Clamp washers per mounting rail (H)



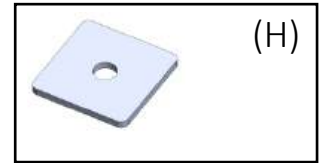
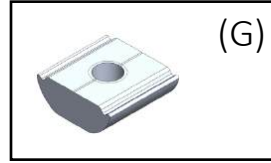
# STANDING SEAM CLAMP "TYPE" ROOF WALKWAY ASSEMBLY (IEM-SS1)

## TOOLS REQUIRED:

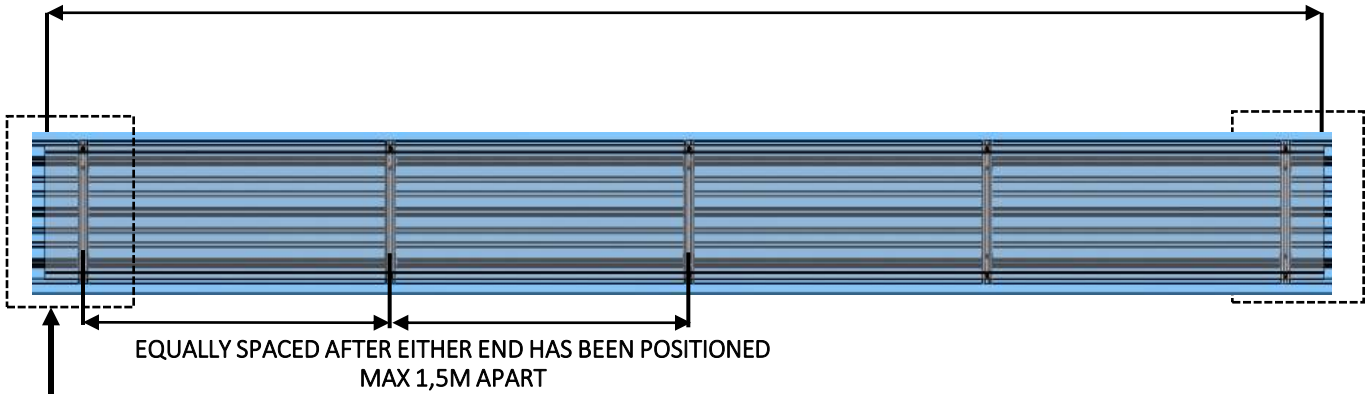
- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure

## INSTRUCTIONS:

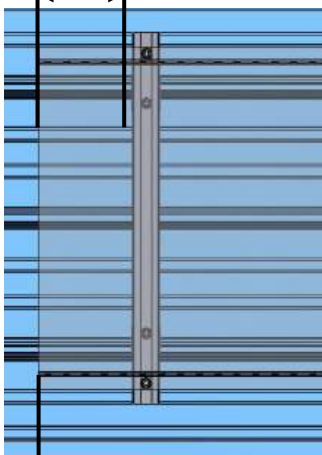
1. Place the walkway onto the mounting rails (150mm from either mounting rail)
2. Position the walkway on top of the mounting rails
3. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (I)
4. Slide the assembled clamp unit into the mounting rail and over the walkway (I)
5. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
6. Continue the process for the remaining rails
7. Ensure 20mm expansion gaps between consecutive walkways (J)



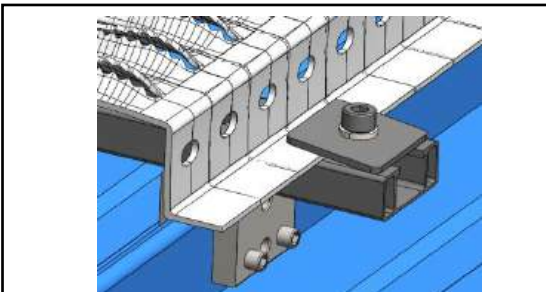
STANDARD LENGTH 5.7m



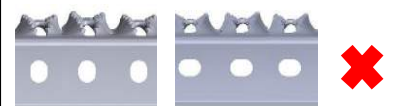
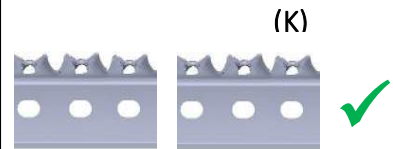
150mm (FACE TO FACE)



20mm EXPANSION GAP TO NEXT WALKWAY (J)



OVAL HOLES ON SIDE OF WALKWAY TO MATCH ON CONSECUTIVE LENGTHS (K)



STANDING SEAM CLAMP WALKWAY ASSEMBLY KIT  
BOM (IEM-SS1)

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#14	Standing Seam Clamp	10	
IEM#3	Cap Screw - M8x20mm SS304	10	
IEM#4	Spring Washer M8 SS304	20	
IEM#5	Flat Washer M8x16x1,5 SS304	10	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#17	Cap Screw - M8x12mm SS304	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	



# WIDESPAN ROOF WALKWAY ASSEMBLY (IEM-WS1)

## STEP 1: BOLTING OF MOUNTING RAIL TO WIDESPAN ROOF SHEET

### PARTS REQUIRED:

- Rubber protective seals (A)
- Mounting profile (Cut to length) (B)
- M5x20 self tapping screw with rubber washer (C)

### TOOLS REQUIRED:

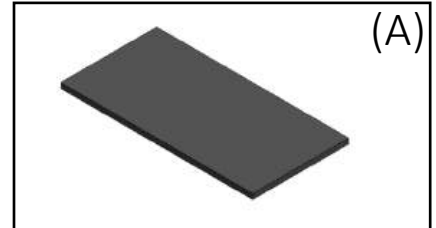
- Electrical/Battery operated drill
- 8mm socket with adaptor to attach to drill chuck
- Tape measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof (D)
2. Cut walkway to length if required
3. Position the mounting rail (B) 150mm from either edge of the walkway (Front & Back)
4. Place the rubber protective seal (A) onto the roof
5. Place the mounting rail (B) on top of the rubber seal (A)
6. Mark the position for the M5x20 self tapping screw
7. Screw the mounting rail firmly to the roof

### NOTE:

- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart



## STEP 2: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

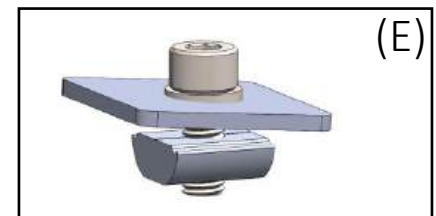
- Walkway (D)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (F)

### TOOLS REQUIRED:

- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure

### INSTRUCTIONS:

1. Place the walkway onto the mounting rails (150mm from either mounting rail)
2. Position the walkway on top of the mounting rails
3. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (E)
4. Slide the assembled clamp unit into the mounting rail and over the walkway (E)
5. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
6. Continue the process for the remaining rails
7. Ensure 20mm expansion gaps between consecutive walkways (F)

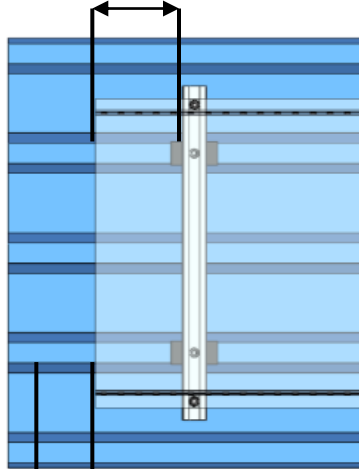


# WIDESPAN ROOF WALKWAY ASSEMBLY (IEM-WS1)

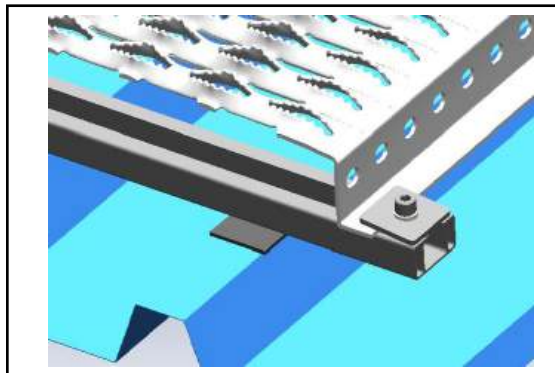
STANDARD LENGTH 5.7m

EQUALLY SPACED AFTER EITHER END HAS BEEN POSITIONED  
MAX 1,5M APART

150mm (FACE TO FACE)

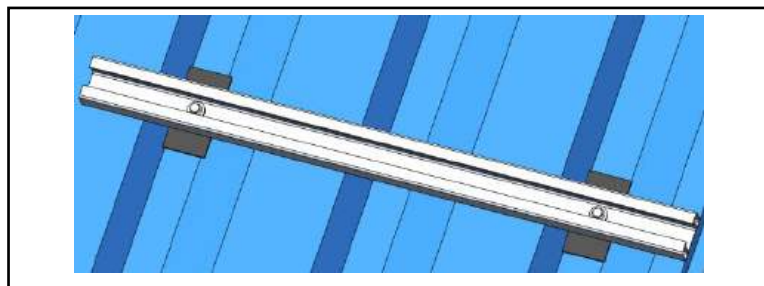
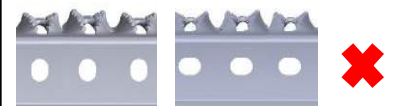
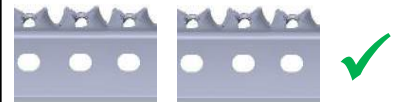


20mm EXPANSION GAP TO NEXT WALKWAY (F)



OVAL HOLES ON SIDE OF  
WALKWAY TO MATCH ON  
CONSECUTIVE LENGTHS  
(K)

(K)



## WIDESPAN WALKWAY ASSEMBLY KIT BOM (IEM-WS1)

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#8	EPDM Rubber 80x40x2mm	10	
IEM#9	Self-drilling screw 25mmx5,5mm class 4 coated	10	
IEM#3	Cap Screw - M8x20mm SS304	10	
IEM#4	Spring Washer M8 SS304	10	
IEM#5	Flat Washer M8x16x1,5 SS304	10	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	

# ZIPTEK ROOF WALKWAY ASSEMBLY (IEM-ZT1)

## STEP 1: PRE-ASSEMBLY OF ZIPTEK BRACKETS

### PARTS REQUIRED:

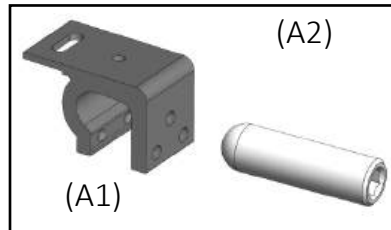
- Ziptek roof bracket (A1)
- M10x30 CUP POINT GRUB SCREW (A2)

### TOOLS REQUIRED:

- 5mm Allen key

### INSTRUCTIONS:

1. Pre-assembly the Ziptek brackets loosely (2x brackets per mounting profile required) (B)



## STEP 2: BOLTING OF ZIPTEK BRACKETS TO ROOF SHEET

### PARTS REQUIRED:

- Pre-assembled Ziptek roof brackets (B)
- Mounting rail (Cut to length) (D)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)

### TOOLS REQUIRED:

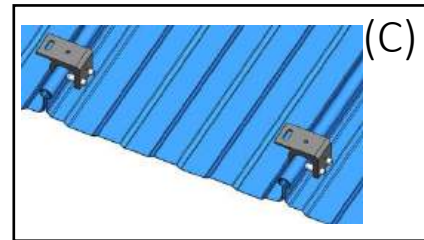
- Electrical/Battery operated drill
- 9mm Drill bit
- 6mm Allen key
- Tape Measure

### INSTRUCTIONS:

1. Measure the required section length of walkway to mount to the roof
2. Cut walkway to length if required
3. Position the mounting rail (D) 150mm from either edge of the walkway (Front & Back)
4. Slide the pre-assembled Ziptek brackets over the roof sheets into position and tighten to 24nm
5. Place the mounting rail (D) on top of the Ziptek brackets (C)
6. Mark the position for the M8x20 cap screws
7. Drill a 9mm hole in the required areas on the mounting rail (D)
8. Bolt the M8x20 cap screws into the Ziptek bracket and tighten with a torque of 24nm

### NOTE:

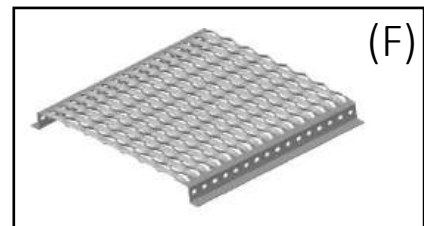
- Remaining mounting rails to be equally spaced between the 2 outer mounting rails
- Mounting rails to have a maximum centre to centre of 1,5m apart



## STEP 3: BOLTING OF THE WALKWAY TO THE MOUNTING RAIL

### PARTS REQUIRED:

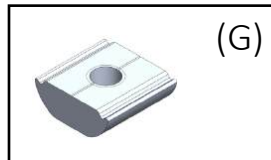
- Walkway (F)
- 2x M8x20 Cap screws per mounting rail (E)
- 2x M8 Flat washers per mounting rail (E)
- 2x M8 Spring washers per mounting rail (E)
- 2x Profile nuts per mounting rail (G)
- 2x Clamp washers per mounting rail (H)



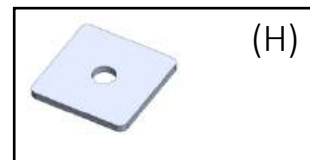
# ZIPTEK ROOF WALKWAY ASSEMBLY (IEM-ZT1)

## TOOLS REQUIRED:

- Electrical/Battery operated drill
- 6mm Allen key
- Tape measure



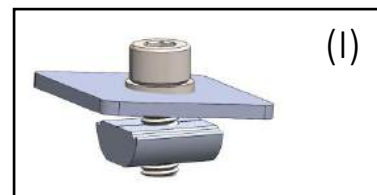
(G)



(H)

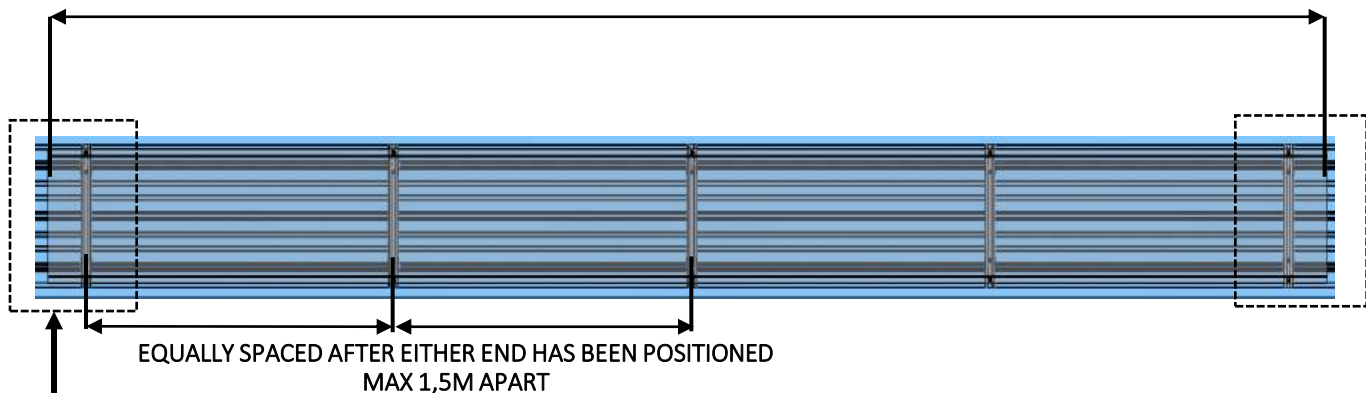
## INSTRUCTIONS:

1. Place the walkway onto the mounting rails (150mm from either mounting rail)
2. Position the walkway on top of the mounting rails
3. Pre-assembly the M8x20 cap screw, flat, spring & clamp washer (I)
4. Slide the assembled clamp unit into the mounting rail and over the walkway (I)
5. Ensure the clamp washer is over the walkway edge, then torque the cap screw to 24nm
6. Continue the process for the remaining rails
7. Ensure 20mm expansion gaps between consecutive walkways (J)



(I)

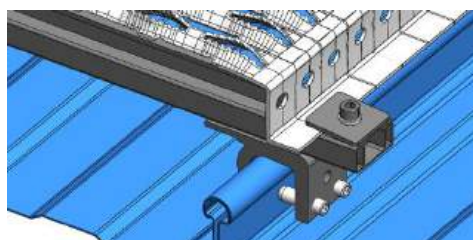
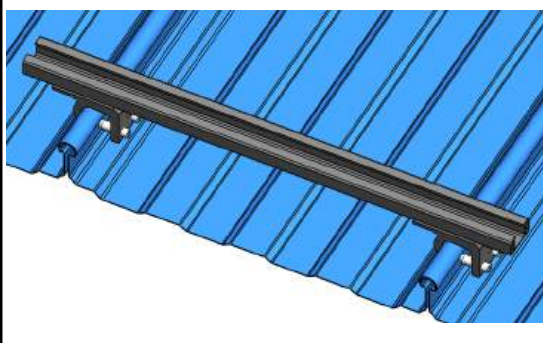
STANDARD LENGTH 5.7m



150mm (FACE TO FACE)

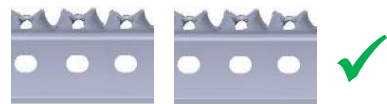


20mm EXPANSION GAP  
TO NEXT WALKWAY (J)



OVAL HOLES ON SIDE OF  
WALKWAY TO MATCH ON  
CONSECUTIVE LENGTHS  
(K)

(K)





## ZIPTEK WALKWAY ASSEMBLY KIT BOM (IEM-ZT1)

Item	Description	Quantity	Part CAD Image
IEM#1	Rail (top fix) 20x570mm AL6063 T6 Mill	5	
IEM#16	Zip-tek, Newlok Clamp	10	
IEM#3	Cap Screw - M8x20mm SS304	20	
IEM#4	Spring Washer M8 SS304	20	
IEM#5	Flat Washer M8x16x1,5 SS304	20	
IEM#6	Aluminium Rail Nut Winged AL6005 T5	10	
IEM#7	Nut M8 Standard SS304	10	
IEM#12	Laser Cut Clamp Washer - 40x40mm	10	