

HANDRAIL

Walkway-mounted Handrail

CODE: HR05



PRODUCT DESCRIPTION

Aluminium 3 x rail handrail system mounted to walkway for edge protection.

TYPICAL USES / APPLICATIONS

- Anywhere a safe working environment is required with a fall of 1000mm or greater
- Access routes for Monkeytoe products
- Edge of roof for fall protection
- Structural plant platform handrails
- Walkway handrails
- Under regulation height parapets

CHARACTERISTICS / ADVANTAGES

- Eliminates the need for the use of cumbersome safety harnesses and certified personnel
- No static / safety line required
- Permanent handrail system eliminates the hazard rather than minimising it
- Prefabricated modular componentry ensures fast onsite assembly
- No welding required
- Unique swivelling elbow design for all corners
- Safe working areas and edge/fall protection for all maintenance personnel
- System uses the unique Monkeytoe mounting clip when installed on rooftops
- Allows for non-certified personnel to enter hazardous zones
- Can be fitted to any roof pitch (1-45 degrees)
- Lightweight, high strength aluminium components

TECHNICAL DATA / MATERIALS

- Handrail extrusions: High tensile T6 aluminium (Can be powder coated if required)
- Elbows & end caps: Diecast aluminium
- Fixings: Stainless Steel 304 grade
- Roof connections:
 - Roofing clip - High density Polyethylene, UV-resistant
 - Galvanised roofing tek screws,
 - Neoprene sealing washers

TESTS

APPROVALS / STANDARDS

- C3 loading
- All handrails are designed and installed in accordance with AS/NZ 1657
- Building code B1

PRODUCT SPECIFICATION SHEET

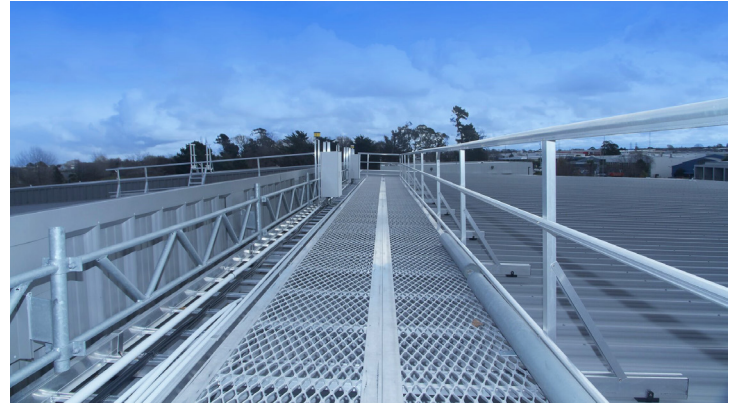
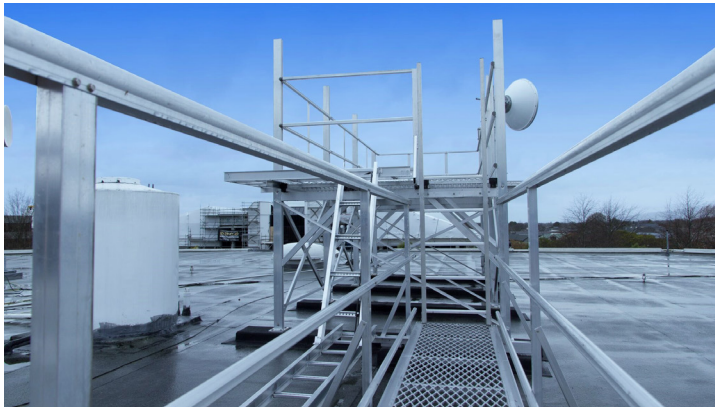
WARRANTY

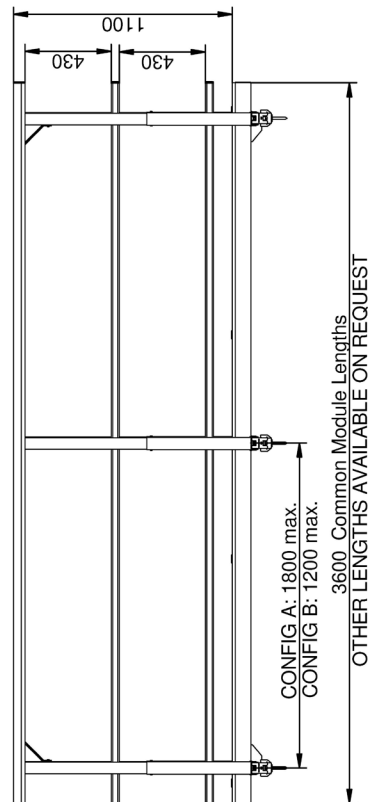
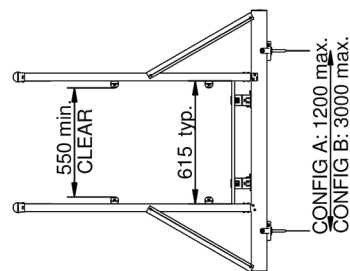
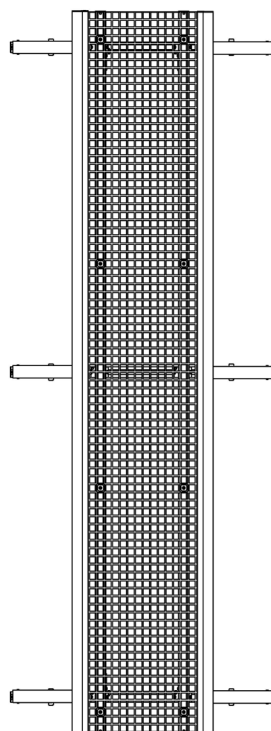
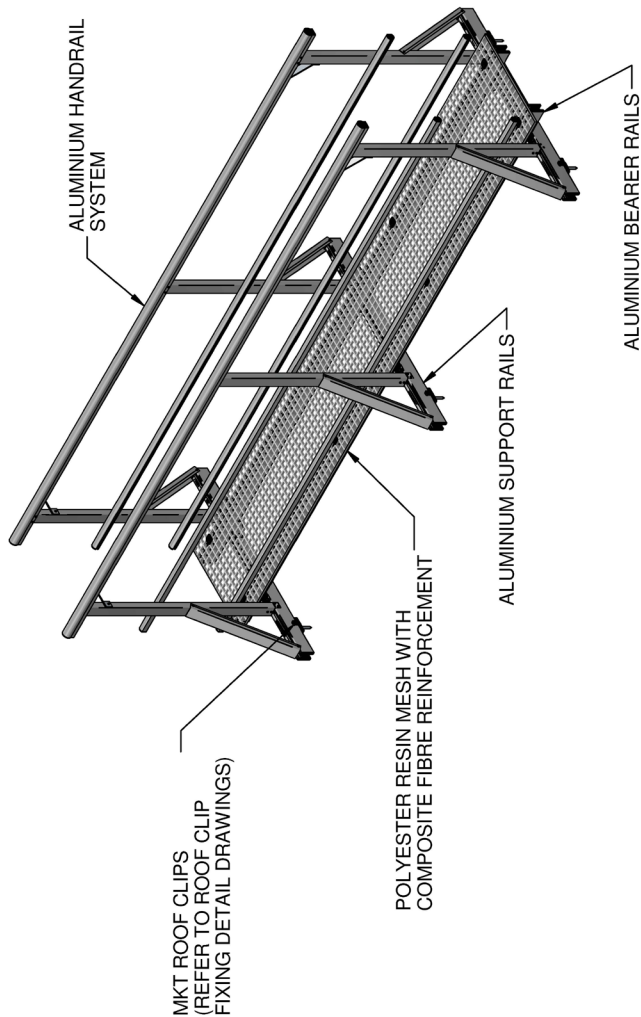
- 25 years materials and 2 years install
- Product Warranty is valid in accordance to the PS1 Engineering Standard that it has been designed to

MAINTENANCE

- It is recommended that handrails are included in the standard 'building warrant of fitness' inspections
- All damaged or loose fixings to be reported immediately to asset manager or building owner for correction

PRODUCT IMAGES





DESIGN LOADS AT 3000mm PURLIN/SUPPORT SPACINGS


Live Load:
Uniformly distributed = 1.0 kPa
Concentrated action = 1.4 kPa

DESIGN LOADS AT 1200mm PURLIN/SUPPORT SPACINGS

Live Load:
Uniformly Distributed = 2.5 kPa
Concentrated action = 1.4 kPa

NOTES:

1. MAXIMUM ROOF PITCH WHERE NON LEVELLED WALKWAY IS RUNNING ACROSS THE ROOF = 7°
2. MAXIMUM ROOF PITCH WHERE NON LEVELLED WALKWAY IS RUNNING DOWN THE ROOF = 20°
3. DESIGNED IN ACCORDANCE WITH:
 - AS/NZS 1170
 - STRUCTURAL DESIGN ACTIONS, B1 & B2 DURABILITY CODES
 - AS/NZS 1557:2013

WALKWAY-MOUNTED HANDRAIL			
MONKEYTOE			
DWG No:	2004-SKY-NL-03	12/06/2018	
	SHEET 1 OF 1	A3	
	SCALE: 1:10	REV:01	
DO NOT SCALE	DIMENSIONS IN MILLIMETERS		

Monkeytoe
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