

STAIRS

Monkeytoe Service Stairs

PRODUCT DESCRIPTION

Versatile and compliant service stairs configured for any commercial or industrial application where there is no public access these can provide self supported access to upper levels as required. Manufactured from high tensile construction grade aluminium. These stairs also meet the requirements of Service and Private Stairs in D1 access routes. For further guidance visit our [Stair Design Guide](#)



TYPICAL USES / APPLICATIONS

- Fire Egress
- Mezzanine floor access
- Conveyor access / crossings
- Access to roof platforms
- Apartment blocks, private access
- Stair Towers
- Internal Multi-Level Stairs
- Industrial Plant Access
- Water Treatment Access

CHARACTERISTICS / ADVANTAGES

- Fully pre-engineered system
- Optional closed-risers
- Prefabricated modular componentry
- Lightweight, high strength aluminium construction, reducing loading on existing structures
- Can be powdercoated
- Suits many varied applications and locations
- Easier to lift into position than traditional steel stairs
- Low maintenance and neat appearance
- Unique profiled anti-slip tread design makes stair comfortable and safe to use
- Great for retro-fit / existing applications
- Handrails to C3 as standard or option of C5 with <100mm Gaps

TECHNICAL DATA / MATERIALS

- | | |
|---|--|
| • Stringers: 6261 - T6 aluminium flat bar | • Handrails: 6060 - T5 aluminium extrusion |
| • Stair treads: 6106 - T6 aluminium extrusion | • Fixings: Bolts 300 Series S/Steel, Tek screws Dacromet Coat 400 Series S/Steel |
| • Stanchions: 6106 - T6 aluminium RHS extrusion | |

TESTS

APPROVALS / STANDARDS

- | | |
|---|---------------|
| • Accordance with relevant sections of AS/NZ 1657 | • AS/NZS 1664 |
| • Building B1 structure code | • AS/NZS 1170 |
| • OHS codes of practice standard/guidelines | • AS/NZS 1866 |
| • D1 - Access routes | |

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

INSTALLATION

- Installation works must be carried out only by Monkeytoe or instructed/approved contractors

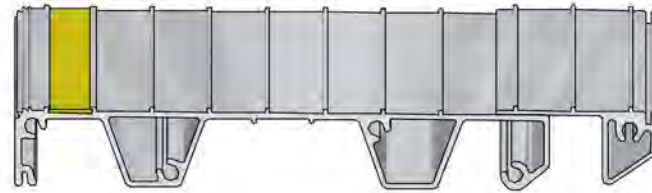
MAINTENANCE

- Self cleaning when used in outdoor situations
- General cleaning recommended in conjunction with standard building / plant cleaning programme or policy
- Annual Inspection as part of Building WOF is recommended, refer to Maintenance Manuals

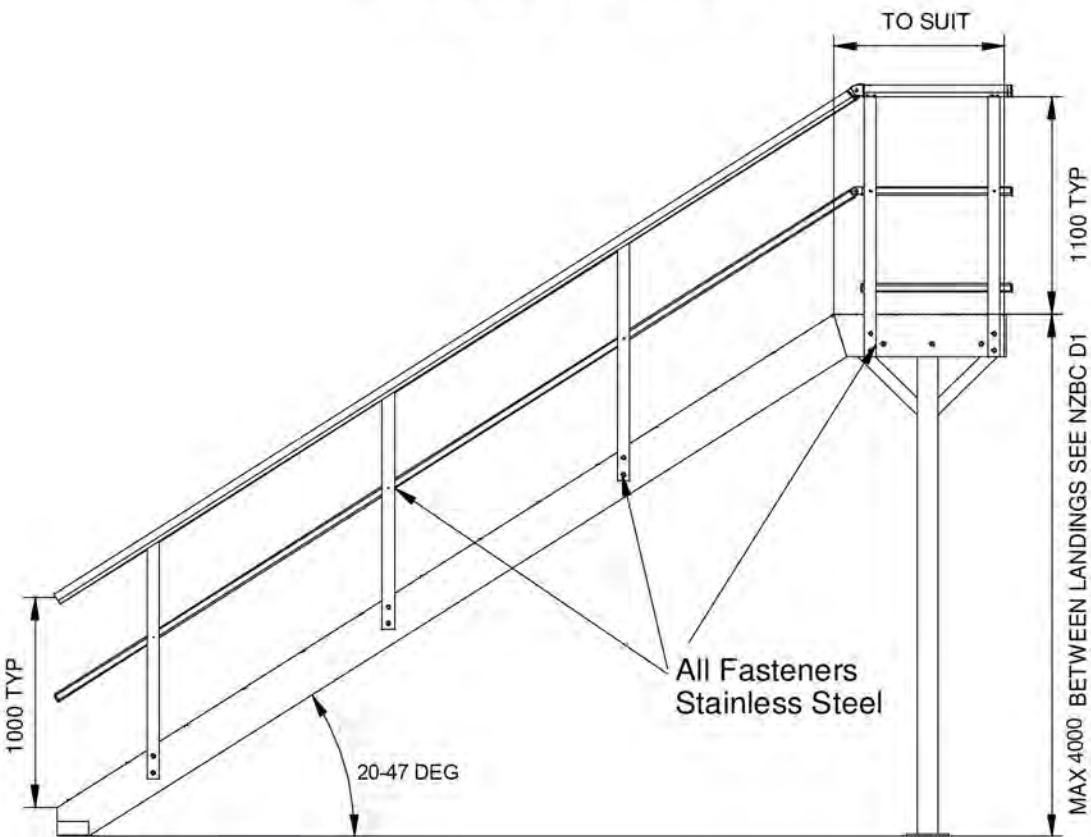
PRODUCT IMAGES



VISIBILITY STRIP



EXTRUDED STEP CROSS SECTION
MARINE GRADE ALUMINIUM



All Fasteners
Stainless Steel

Monkeytoe Service Stair Specifications

Design Feature	Service/Private ¹ Stairs	Restricted Access (AS1657)
Max Height Per Flight	4m	4m
Max Height before change of Direction ⁴	8m	8m
Pitch Angle	23° - 47°	20° - 45°
Max Step Height	220	225
Min Tread Depth	220	185
Riser Style	Open ¹	Open
No of risers per flight	≤18	≥2 ≤18
Width between handrails	600 ² , 850 mm ³	600 mm ²
Landings	900 mm	600 mm
Handrails	One side ≤2 m	One side ≤1 m
Tread Projection	25 mm – 15 min for Open	≥30 mm

For information on design and specification please see our guide here(link to General and Fire stair specification)

¹For more information on **Secondary** Private stairs see D1/AS1, not covered here.

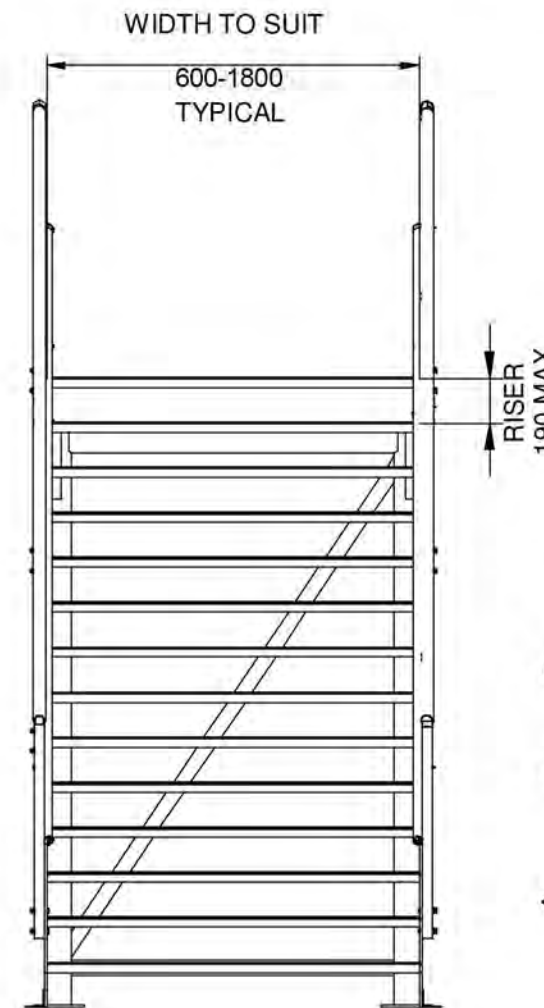
²For maintenance access systems covered by AS1657-2018, not covered in D1/AS1 for service or private

³Required for multi-unit dwellings and recommended for private, 600 mm is OK for service stairs

⁴Can also be achieved by landings see change of direction info and D1/AS1

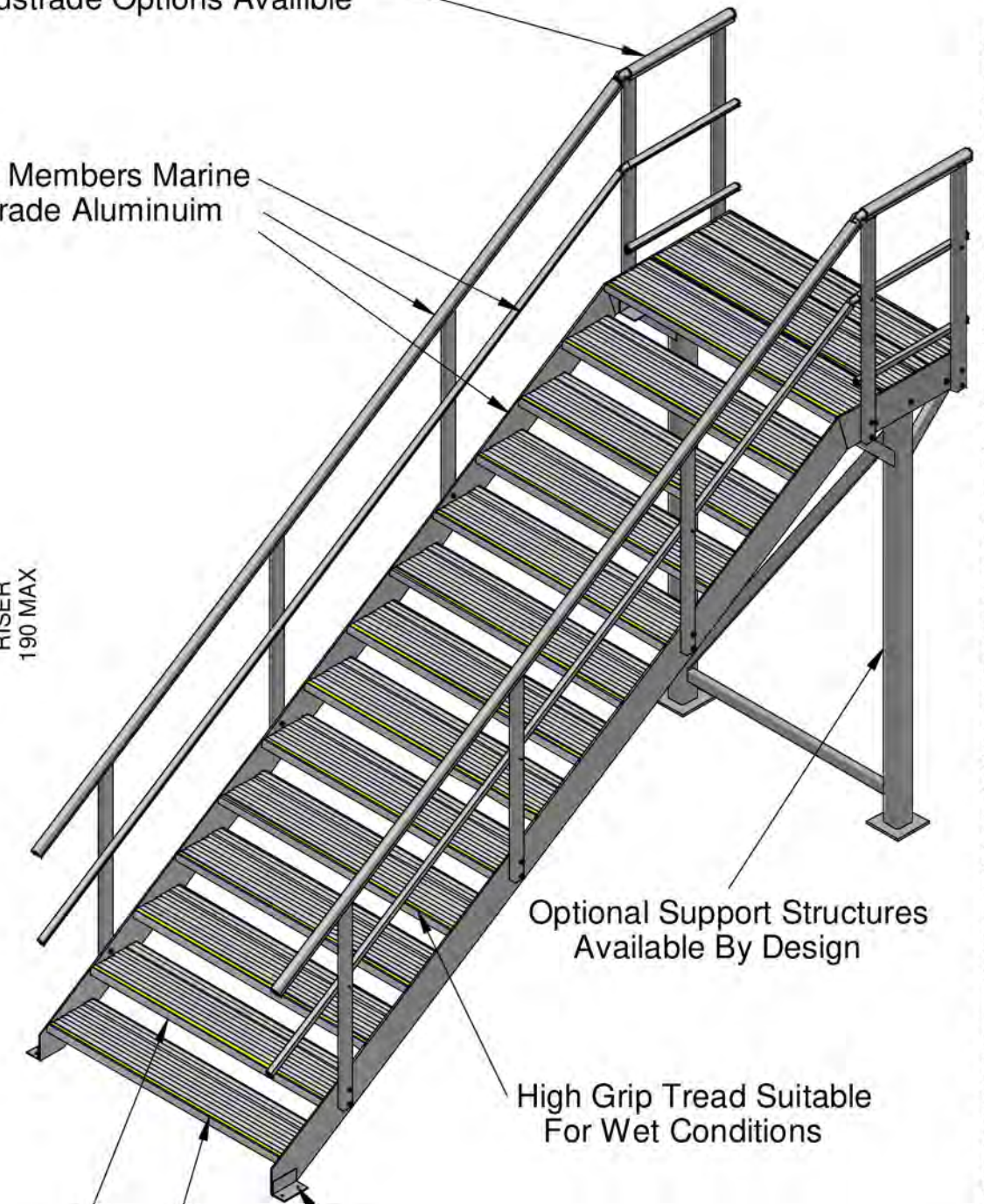
Standard Monkeytoe Handrail
Ballustrade Options Available

All Members Marine
Grade Aluminium



Closed Risers Optional

Powder Coated High
Visibility Safety Strip



Optional Support Structures
Available By Design

High Grip Tread Suitable
For Wet Conditions

Mounting Plate to Suit
Installation Surface

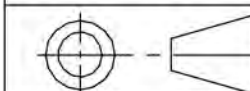
Monkeytoe

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SERVICE STAIRS
MONKEYTOE

DWG No: 2004-33DES-1

16/07/2018



SHEET 1 OF 1

A3

SCALE: 1:30

REV:01

DO NOT SCALE

DIMENSIONS IN MILLIMETERS

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