

TECHNICAL SPECIFICATION

SYSTEM CODE RAPTOR RAIL SYSTEM - ROPE ACCESS
OH 250

TECHNICAL DATA

MATERIALS

- Rail - profiled hi-tensile aluminum
- Trolley - stainless steel including 6 sealed bearings
- Mounting Brackets - profiled stainless steel and/or aluminium
- Mounting Fixings - M12 stainless steel fixings

FIXINGS (into support structure)

- Steel fixing - M16 bolt or threaded stud
 - Concrete fixing - M16 chemical fix or cast in concrete anchor
- Note: Fixings may vary depending on application

WEIGHT

- 4.5kg / per linear metre of rail section

WORKING LOAD LIMIT

Single person use - 180kg per trolley (user/equipment)

- Maximum horizontal pitch of rail for safe use - 3° (above 3° will require trolley stop device)
- Support structure integrity, suitability and fixing method to be assessed and determined by a competent person prior to installation

Note: Spans based on angle of rope line not exceeding 20° as this will exert increased load to the system.

RAPTOR RAIL SPAN TABLE (FOR ROPE ACCESS USE)

| RAPTOR RAIL ONLY | | | RAPTOR RAIL WITH LONGSPAN SUPPORT | | |
|----------------------|-----------------|-------------------------------|-----------------------------------|-----------------|-------------------------------|
| No of Users Per Span | Max Span Length | Support Structure Design Load | No of Users Per Span | Max Span Length | Support Structure Design Load |
| 1 | 4000mm | 12kN | 1 | 6000mm | 12kN |
| 2 | 3200mm | 18kN | 2 | 5500mm | 28kN |
| 3 | 2500mm | 24kN | 3 | 5200mm | 24kN |
| 4 | 2000mm | 30kN | 4 | 4200mm | 30kN |

COMPLIANCE

Raptor Rail for abseil use is designed to comply with Australian Standards AS/NZS4488, AS/NZS1891.4, AS/NZS1891.2 and relevant statutory OHS Codes of Practice/Guidelines. (Refer instruction manual.)

TESTING

Testing and performance based on requirements of Australian Standard AS/NZS 4488, AS/NZS1891.4 and AS/NZS1891.2

PRODUCT WARRANTY

10 years from date of purchase subject to correct installation, use and maintenance in accordance with manufacturer's specifications and recommendations. (Refer instruction manual.)

INSPECTION AND MAINTENANCE

Inspection and certification every 12 months by a height safety equipment inspector in accordance with manufacturer's specifications and requirements of Australian Standard AS/NZS1891.1:2009 (Refer instruction manual.)

IMPORTANT NOTE

Failure to supply and/or install proprietary product in accordance with above standards and codes, specifications and instructions voids complete system certification and/or warranty.

PRODUCT
BROCHURE

