

# HORIZONTAL MONORAIL

## ROSTEK

### Horizontal Monorail

Designed to provide suspended access for cleaning and maintenance.

Rostek Horizontal Monorails provide either abseil or suspended stage access to external facade or internal atrium.

#### HOW IT IS USED

The Rostek horizontal monorail provides a continuous anchorage point for suspended access. It can be used for abseil or can carry a suspended stage. Manual, rope driven or electric trollies are available to move along the rail.



#### HOW IT WORKS

Two different rail profiles are available. 2 top fixed and 1 side fixed. The RS111 has a typical bracket spacing of 2.0m - 2.5m. The RS133 has a typical bracket spacing of 2.7m - 3.6m. The RS163 has a typical bracket spacing of 3.5m - 4.5m. The minimum bending radius of each rail is 500mm. Each single trolley has a maximum load of 500kg.



RS111 TRACK



RS133 TRACK



RS163 TRACK

## PERFORMANCE

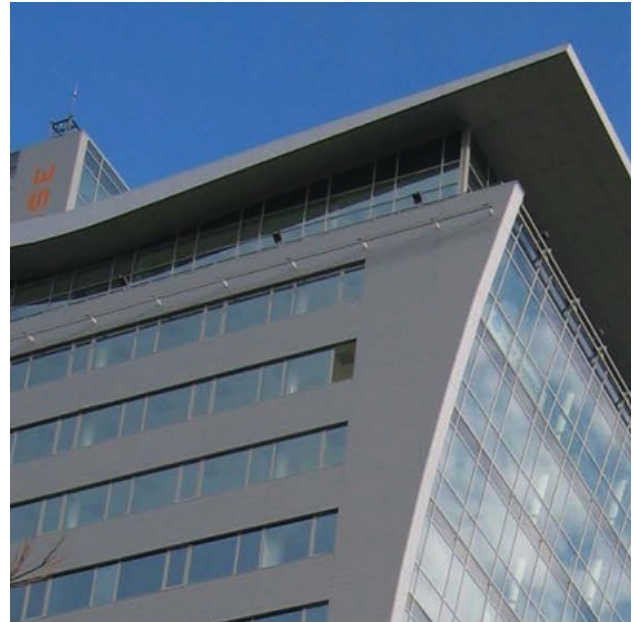
Conforms to AS/NZS 1891.2:2001 - Industrial fall- arrest systems and devices - Horizontal lifeline and rail systems, AS/NZS 1891.4:2009 - industrial fall-arrest systems and devices - selection, use and maintenance, AS/NZS 4488.2:1997 Industrial Rope Access Systems - selection use and maintenance. EN1808:2015

## INSTALLATION

Installation must only be carried out by an Rostek certified installation companies, and in accordance with all manufacturer requirements.

## MAINTENANCE

As per AS/NZS 1891.4 the Rostek Horizontal monorail and associated equipment must be certified every 12 months by an Accredited Rostek Certification technician. All of the exposed materials in the system have specified as naturally corrosion resistant, or have been coated with sacrificial coatings to prevent oxidation of the base material. It is important to consider that in some environments the system may need to be cleaned to gain the best possible life expectancy from the materials.



## WARRANTY

Rostek grants a warranty for 12 months from the date of purchase of the device. The warranty covers; defects in material, defects in workmanship, anti-corrosion coating defects.



## ENVIRONMENTAL

Alta Safety is committed to reducing its impact on the environment.

We will strive to improve our environmental performance over time and to initiate additional projects and activities that will further reduce our impacts on the environment.

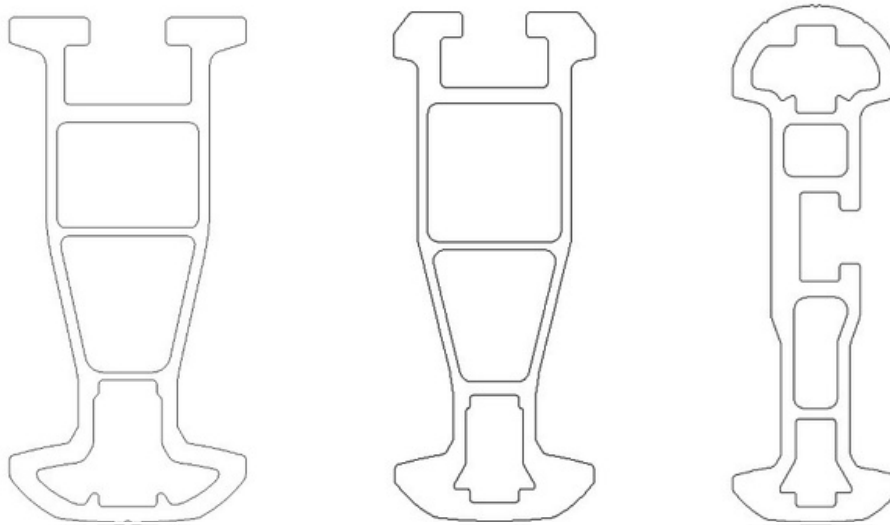
Our commitment to the environment extends to our customers, our staff, and the community in which we operate. We are committed to supplying products with primary components made of recyclable material and is supplied with minimum packaging to retain its structure and integrity during transit.

We will continually measure our environmental impacts and aim to reduce these impacts.

## Technical Drawing

### Rostek Tracks

Rostek Horizontal Monorail System is built with one of the following monorail tracks: RS111/RS133/RS163. These tracks use the trolleys from RS133 -trolley family: RS133M,-R,-E and -S.



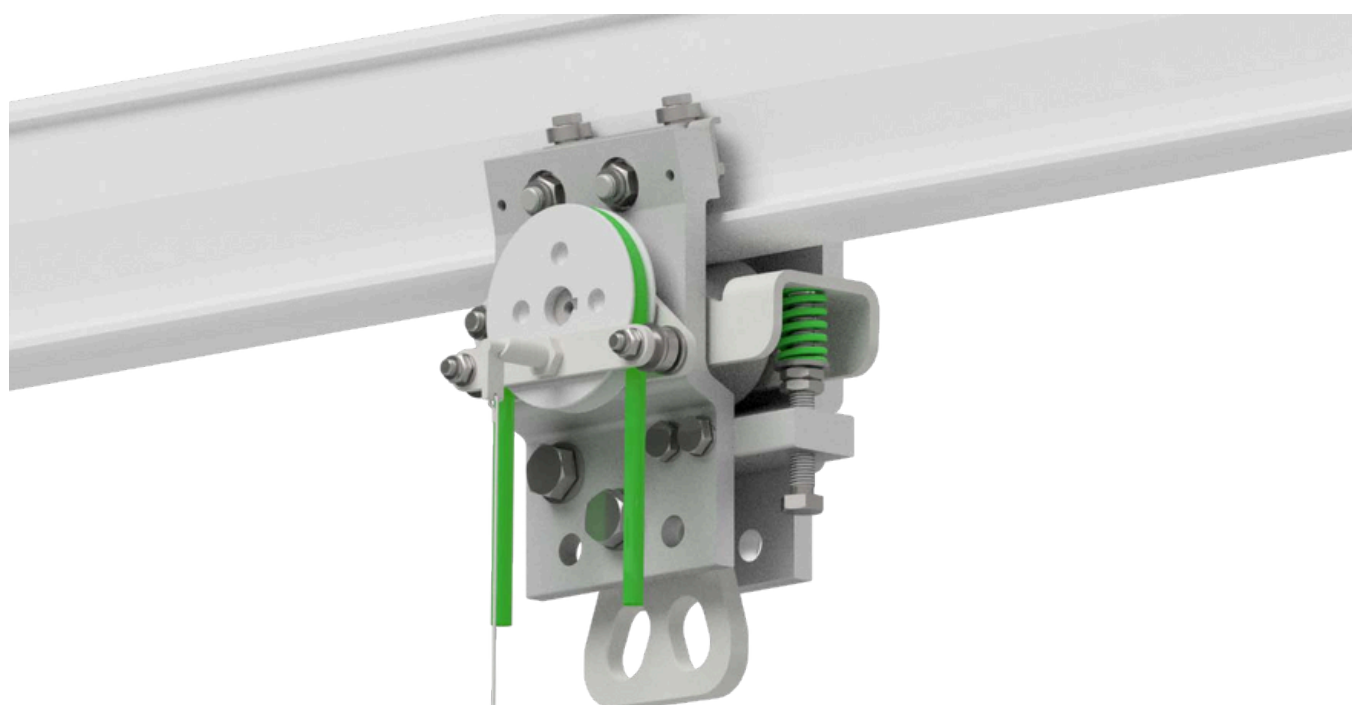
Track Type	RS111	RS133	RS163
<b>Dimensions</b>	111mm x 52mm	133mm x 53mm	163mm x 52
<b>Weight</b>	3.7 kg/m	4.9 kg/m	7.1 kg/m
<b>Min. Bending Radius</b>	500mm	500mm	500mm
<b>Typical Bracket Spacing</b>	2.0m - 2.5m	2.7m - 3.6m	3.5m - 4.5m
<b>Bracket Fastening</b>	Top	Top	Side
<b>Fastening</b>	With two Special Rostek Stainless Steel M16 Bolts for each bracket.		
<b>Colour</b>	Anodised or powder coated in standard RAL colour.		
<b>Description</b>	Rostek Horizontal Monorails are designed to carry suspended access equipment according to EN1808. Physical end-stoppers for each track are provided according to customer need. Maximum single trolley load is 500 kg. Only Rostek trolleys (manual, rope driven, electrical, spreader bar) can be used with RA111/RS133/RS163 tracks. The lightweight aluminium tracks are easy to install but still very strong.		

**RS133-M - Product Code: Ro03016**



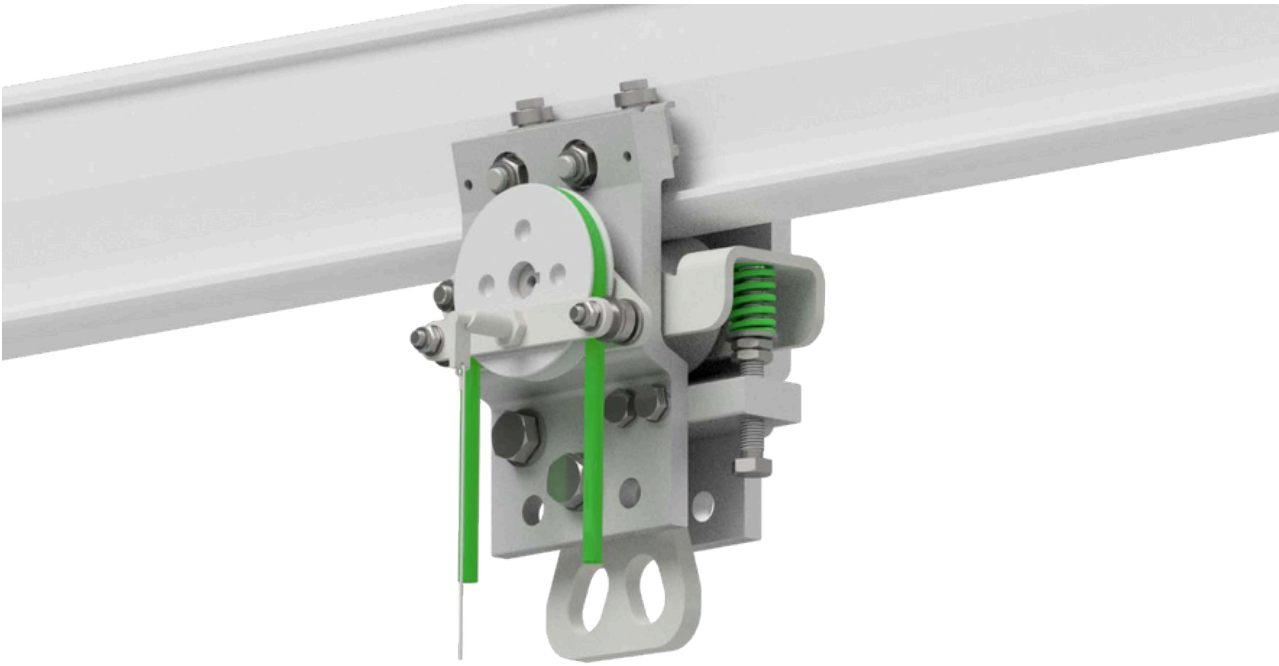
<b>Track Type</b>	<b>RS111, RS133, RS163</b>
<b>Working Load Limit</b>	500 kg
<b>Dimensions</b>	155mm x 225mm x 140mm
<b>Material</b>	Anodised Aluminium/Stainless Steel
<b>Total Weight</b>	2.7kg
<b>Description</b>	The manual trolley RS133-M is a cost-effective solution in monorail systems for simple building layouts. It is used to carry suspended access equipment (especially 2-hoist cradles) according to the EN1808 -standard. The manual trolley is moved by pulling from the track or the facade or by moving from ground level. The trolley can afterwards be installed and removed thanks to the frame that can be split. Traversing is possible around a building corner with minimum radius of 500 mm. The trolley is delivered with a screw brake to ensure the safety of the user. Design and testing of the trolley is made according to the EN1808 -standard.

**RS133-M - Product Code: RO03016**



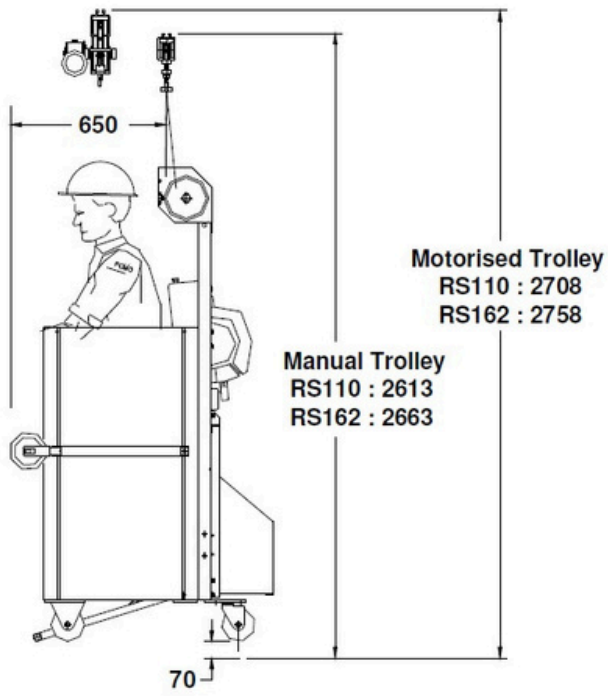
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**RS133-R Product code: RO05773**

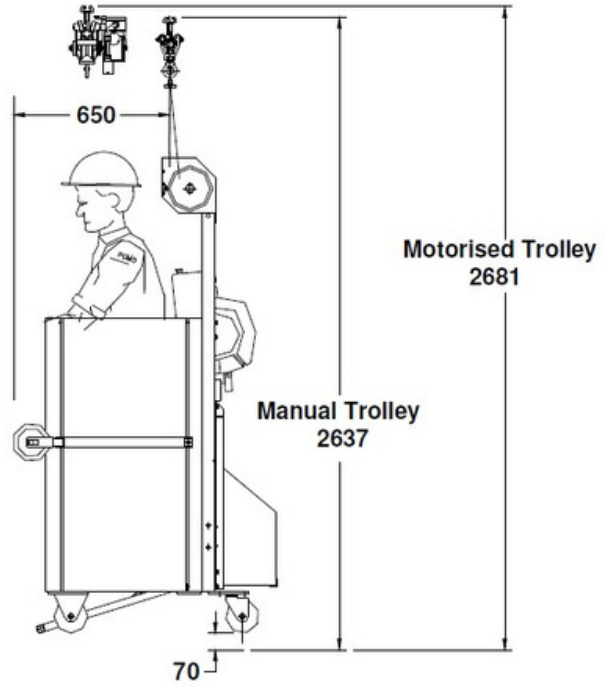


<b>TRACK TYPE</b>	<b>RS111, RS133, RS163</b>
<b>WORKING LOAD LIMIT</b>	500 kg
<b>DIMENSIONS</b>	180mm x 280mm x 160mm
<b>MATERIAL</b>	Anodised Aluminum / Stainless Steel
<b>TOTAL WEIGHT</b>	7.8 kg
<b>ROPE LENGTH</b>	Loop 2.5m (5m rope), other lengths on request
<b>DESCRIPTION</b>	The rope driven trolley RS133-R is used especially for Rostek 1-hoist cradles but also with 2 hoist. The trolley is moved by pulling the rope. Traversing is possible around a building corner with minimum radius of 500 mm. The trolley is equipped with a parking brake. Design and testing of the trolley is made according to the EN1808 -standard.

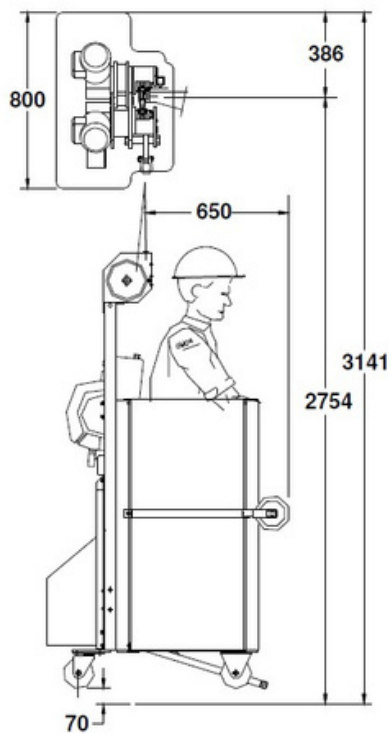
**RS110 / RS162**



**RS133**

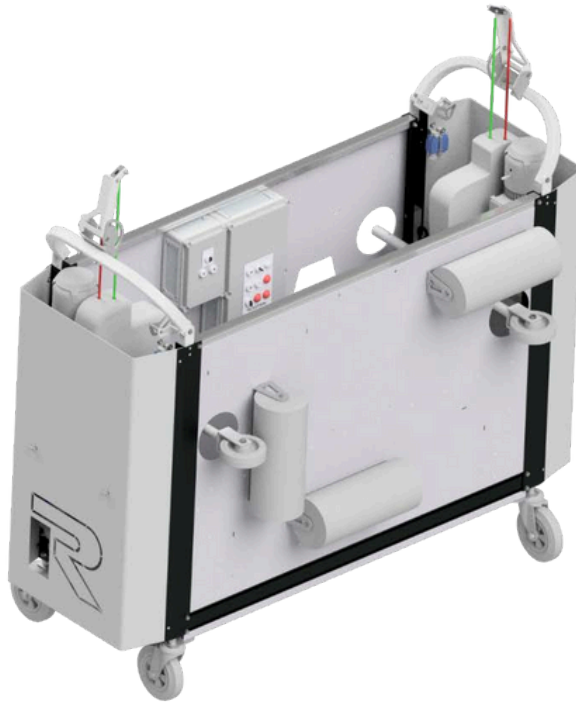


**RS127/RS137**



## Technical Drawing

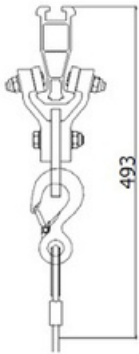
Rostek BMU2 - RO07465



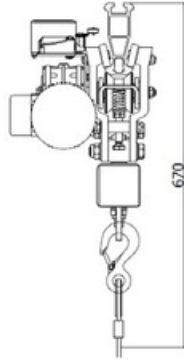
<b>Distance Between Hoists</b>	1.7m, special lengths available on request
<b>Width</b>	0.75m, also narrow version available
<b>Weight (excl. wires/cables)</b>	235kg
<b>Working Load Limit</b>	250kg or 2 persons
<b>Wire Winder Capacity</b>	70m or 130m
<b>Power Supply</b>	3 phase, 400V/50Hz
<b>Material</b>	HDG Steel and Aluminum
<b>Hoist</b>	2 x Titan traction hoists, Lifting speed 8.5m/min
<b>Accessories</b>	Wall support rollers, Wall support wheels, Pull-in system for negative facades, Cable bin, Overspeed device, Power supply socket, powder coated cladding, Horizontal movement controls
<b>Description</b>	BMU2 is a two person Building Maintenance Unit which is equipped with two traction hoists and wire winders on both ends of the cradle. Steel and Aluminum structure makes it strong and light. Rostek BMU2 is designed and tested to conform the EN 1808 standard.



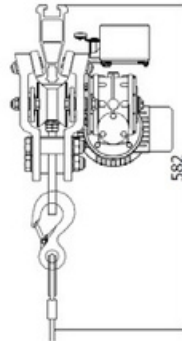
**Trolley height + BMU2 height = total height**



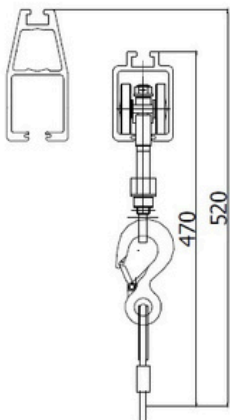
RS133 Manual trolley



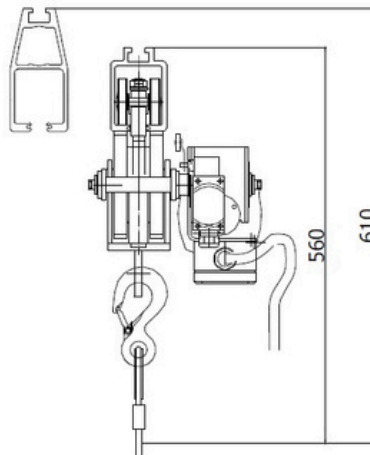
RS133 Motorized trolley with spreaderbar



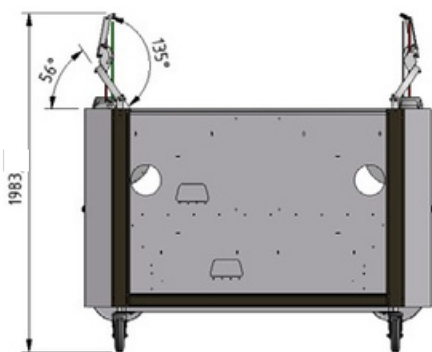
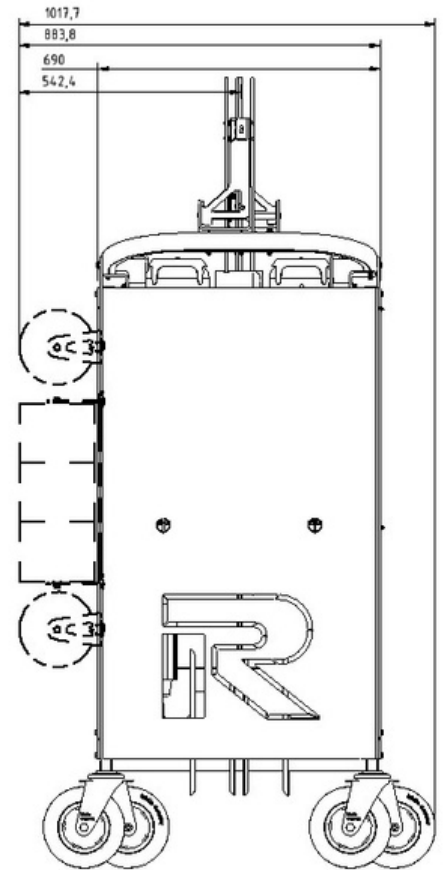
RS133 Motorized trolley



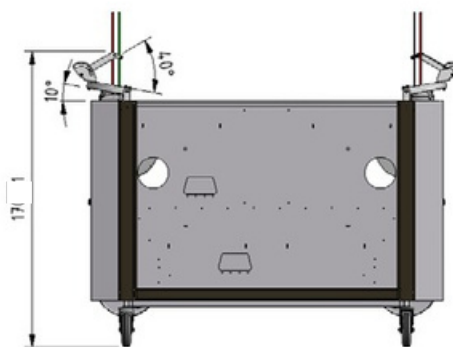
RS110/162 Manual trolley



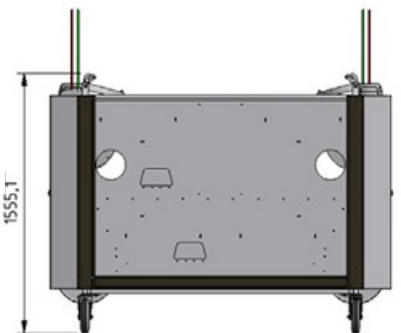
RS110/162 Motorized trolley



Normal position



Position before limit switches engage



Storage position

# Alta Safety

NEW ZEALAND OFFICES

**ALTA  
SAFETY** FALL  
PROTECTION  
SPECIALISTS

## CHRISTCHURCH

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## WELLINGTON

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## TECHNICAL DRAWINGS KEY



Rate to  
15kN



Person  
Capacity



Abseil



Fall Arrest



Restraint  
Technique