

3M™ DBI-SALA® Rollgliss™ R550 Rescue & Escape Device

Technical Data Sheet

Description

The 3M Rollgliss™ R550 offers the choice of controlled descent rescue, evacuation or the versatility of assisted rescue with lifting capabilities. This state-of-the-art, fully automatic controlled descent device can be used for rescue and evacuation from heights up to 500m for one user 140kg or 175m for two users totalling 280kg. It features 9.5mm super static kernmantle rope, and is configured with connecting hardware at each end of the lifeline to operate in both directions. During assisted-rescue scenarios, a fallen worker can be attached to the R550 device (Rescue Model), raised to a point that allows their fall arrest device to be removed, then lowered to the ground safely. The DBI-SALA® Rollgliss™ systems are used in; Wind Turbine Construction & Maintenance, Utility Pole/Tower Construction & Maintenance, Fire & Emergency Rescue Services, Commercial Construction Sites, Industry and MRO Facilities, Government & Military Operations and more.

Features

- **Emergency rescue and evacuation from a wide variety of elevated work areas**
Offers a fast and reliable rescue solution that requires minimal training for added safety.
- **Fully automatic controlled descent**
Enables fast, safe and effective descent at 0.6-0.9m per second with no manipulation required by the user for complete ease of use.
- **Bidirectional design enables multiple rescues**
For added versatility, as one end of the lifeline descends, the other ascends ready for another rescue.
- **Built-in rescue lifting wheel**
Used during assisted rescue to slightly raise the fallen worker to disengage their fall protection system so descender can lower victim to the ground.
- **10m of 9.5mm kernmantle rope lifeline**
The super static kernmantle rope is lightweight, yet extremely strong and durable and incorporates a snap hook at each end for multiple rescues.
- **Rated for up to 500m height for one user, 175m for two users**
Unique design accommodates one user at 140kg or two users totalling 280kg for added job site flexibility.
- **Compact and lightweight design**
Provides fast installation and easy operation enabling efficient and effective rescue.



- **High strength corrosion resistant construction**
Aluminium and stainless steel construction will stand up to the elements for an extended service life.
- **Integrated rope ears**
Allows for greater descent speed control in assisted rescues for added safety.
- **Dual brake design**
Automatic descent with added security, safety and peace of mind.
- **Equipped with i-Safe™**
Integrated RFID identification tag for recording and storing information on inspections and tracking safety equipment.
- **Other standard and custom lengths are available**
Customise to suit your specific job site or lengthen to fit greatest height needed, last three digits in part number detail length in metres.
- **Escape models without lifting wheel also available**
Various configurations and options are available to suit most site requirements for added peace of mind.

Standards

3rd Party Certified with OSHA, EN341, EN1496, ANSI Z359

Specifications

3M™ DBI-SALA® Karabiners Triple Action

Capacity	1 Person = 59-140 kg, 2 Person = 59-280 kg
Brand	DBI-SALA®
Sub Brand	Rollgliss™ R550
Size	10m-150m
CoWorker Controlled Ascent	Yes
CoWorker Controlled Descent	Yes
Descent Type	Vertical
Number Of Users	Two
User Controlled Ascent	No
User Controlled Descent	Yes
Travel Length	10m-150m
Label	Vinyl
Hook	Zinc Plated Steel
Lifeline	3/8" (9.5 mm) Kernmantle, Braided Polyester Cover with Nylon Filament Core
Wheel	Nylon Thermoplastic
Housing	Aluminium
Physical Weight	3.50 kg (3329010)
Product Styles	Automatic Controlled Descent
Product Types	Evacuation/Escape/Rescue
Standards	OSHA, EN341, EN1496, ANSI Z359.4-2013, CSA Z259.2.3-12.

Escape units			Rescue units		
Part #	Length	Weight	Part #	Length	Weight
3328010	10m	2.8kg	3329010	10m	3.5kg
3328020	20m	3.4kg	3329020	20m	4.0kg
3328040	40m	4.6kg	3329040	40m	5.2kg
3328060	60m	5.7kg	3329060	60m	6.3kg
3328100	100m	8.0kg	3329100	100m	8.6kg
3328120	120m	9.1kg	3329120	120m	9.7kg
3328150	150m	10.8kg	2239150	150m	11.4kg

Note: custom rope lengths available

Product Life and Inspection

Any piece of equipment including both personal and permanently installed items, which has been used to arrest a fall or which shows any defect during operator or periodic inspection shall be withdrawn from service immediately and a replacement obtained if necessary.

A label indicating the condition or defect must be attached to the equipment, and it must be examined by a competent person who will decide whether the equipment is to be destroyed or repaired/recertified if necessary and returned to service.

Inspection frequency requirements must be followed according to AS/NZS 1891.4 or 3M's user instructions. 3M may recommend more frequent inspection and recertification if the product is exposed to a harsh environment or rugged use. All inspection and maintenance data must be recorded in an inspection and maintenance log maintained by the company.

Ordering Information

3M Code	Model #	Description
70007926853	8900031	Heavy Duty Telescopic Pole
70007945366	3329010	10m Rollgliss R550 Rescue Device Kit
70007926663	3329020	20m Rollgliss R550 Rescue Device Kit
70007940706	3329040	40m Rollgliss R550 Rescue Device Kit
70007939146	3329060	60m Rollgliss R550 Rescue Device Kit
70007928107	3329100	100m Rollgliss R550 Rescue Device Kit
70007943957	3329120	120m Rollgliss R550 Rescue Device Kit
70008283106	3329150	150m Rollgliss R550 Rescue Device Kit
70007931325	3328010	10m Rollgliss R550 Escape Device Kit
70008282991	3328020	20m Rollgliss R550 Escape Device Kit
70007940888	3328040	40m Rollgliss R550 Escape Device Kit
70008283007	3328060	60m Rollgliss R550 Escape Device Kit
70008283015	3328100	100m Rollgliss R550 Escape Device Kit
70007962650	3328120	120m Rollgliss R550 Escape Device Kit
70008283023	3328150	150m Rollgliss R550 Escape Device Kit
70007941308	1907-0010	10m Rollgliss R550 Rescue Device Kit w/telescope pole
70007929667	1907-0020	20m Rollgliss R550 Rescue Device Kit w/telescope pole
70007944039	1907-0030	30m Rollgliss R550 Rescue Device Kit w/telescope pole
70007938387	1907-0040	40m Rollgliss R550 Rescue Device Kit w/telescope pole
70008281720	1907-0050	50m Rollgliss R550 Rescue Device Kit w/telescope pole
70008280425	1907-0060	60m Rollgliss R550 Rescue Device Kit w/telescope pole
AT010643487	1907-0070	70m Rollgliss R550 Rescue Device Kit w/telescope pole
70007937322	1907-0100	100m Rollgliss R550 Rescue Device Kit w/telescope pole
70007950507	1907-0150	150m Rollgliss R550 Rescue Device Kit w/telescope pole
AT010644881	3329010-75	R550 rescue 10m CE with R-113 all ends

3M Code	Model #	Description
AT010644899	3329020-75	R550 rescue 20m CE with R-113 all ends
AT010644907	3329040-75	R550 rescue 40m CE with R-113 all ends
AT010644915	3329060-75	R550 rescue 60m CE with R-113 all ends
AT010644923	3329100-75	R550 rescue 100m ce with R-113 all ends
AT010644931	3329120-75	R550 rescue 120m CE with R-113 all ends
AT010644949	3329150-75	R550 rescue 150m CE with R-113 all ends
70007627741	9508289	R550 Case - Fully sealed case provides 10-year minimum storage life External humidity indicator allows user to inspect the seal without opening case.

Important Notice

To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

The mounting and use of the product described within this document assumes that the user has previous experience of this type of product and that it will be assembled by a competent professional according to product documentation. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. 3M (who cannot verify or control these elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for products are determined with the sales contract documents and with the mandatory and applicable law, excluding any other warranty or compensation.



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