

3M™ DBI-SALA® Low Profile Purlin Mounted Roof Anchors

Technical Data Sheet

Description

DBI-SALA's permanent truss mounted roof anchor is ideal for both residential and commercial applications. The anchor provides an economical solution for fall protection during the initial construction stage as well as future roof access and maintenance. All anchor components are manufactured from 316 grade stainless steel and is able to sustain a load of up to 15kN for single person use.

The 3M™ DBI-SALA® Low Profile Purlin Mounted Roof Anchors come in three models:

- L4550 - Low Profile Purlin Mounted Anchor, flat pan application
- L4551 - Low Profile Purlin Mounted Anchor, Custom Orb (corrugated) iron application
- L4552 - Low Profile Purlin Mounted Anchor, Spandek application

Features

- **Purlin mounted fall arrest/restraint anchor point**
Single person fall arrest/restraint roof anchor for use on steel roof sheeting attached to steel purlins, ideal for residential, commercial and industrial applications
- **Durable corrosion resistant construction**
All metal components are manufactured from 316 grade stainless steel to stand-up to the toughest environments, providing added longevity.
- **Easy installation**
Can be installed during roof construction or as a retrofit from above or below the roof surface.
- **Anchorage eye**
Anchorage eye allows for easy attachment of lanyards.
- **Load distributing design protects roof and user**
Energy absorbing design distributes the forces during a fall providing added safety to the user and maintaining structural integrity of the roof.
- **Complete kit with all assembly/installation components**
Includes all installation components including weather seal, data/inspection tag and comprehensive installation instructions.



Specifications

L4550, L4551 & L4552	
Attachment Type	Bolt
Install Type	Permanent
Capacity	One User
Rating	15kN
Brand	DBI-SALA®
Velocity Ship	Yes
iSafe Equipped	No
Product Styles	Permanent Roof Anchors
Roof Installation	C or Z section Steel Purlin
Dimensions - Anchor Ring Height (from top of ring to top of roof sheeting)	L4550 – 65mm from pan L4551 – 65mm from top of rib L4552 – 65mm from top of rib
Weight (approx.)	L4550 – 0.95kg L4551 – 0.95kg L4552 – 0.95kg



Material	
Eye bolt with 12mm threaded bar	316 grade stainless steel
M12 Relieved nut	316 grade stainless steel
Top Plate	316 grade stainless steel
Bottom bar	316 grade stainless steel
Washer	Nylon
Weather seal	NBR Rubber Pad

Standards

Standards AS/NZS 5532.

The roof sheeting must be attached directly to the purlin for the anchor to provide the stated rating. The anchor will not be acceptable if there is any item fitted between the roof sheeting and the purlin such as a top hat or insulation spacer.

Mounting Requirements

L4550 – Metal ‘C’ or ‘Z’ purlin of minimum size of C15015 with a flat pan sheet

L4551 – Metal ‘C’ or ‘Z’ purlin of minimum size of C15015 with Custom Orb or corrugated roof profile

L4552 – Metal ‘C’ or ‘Z’ purlin of minimum size of C15015 with Spandek roof profile

Special Instructions/Conditions of Use

Reading user instruction manual prior to use is essential.

Annual inspection & re-certification is required as per AS/NZS 1891.4

Product Life and Inspection

See the user manual for inspection, maintenance, service & storage requirements.

General Warnings

3M cannot warrant the roof structure. If in doubt, consult engineer or the strut / roof frame manufacturer to verify structural adequacy prior to installation.

Prior to use, the anchor device/ system needs to be inspected to ensure that it is in a serviceable condition and has not been damaged or used to arrest a fall. If it has or there is any doubt about its safe condition, immediately remove the device from service until it has been inspected by a competent person.

Prior to use, consider the possible corrosion issues between the anchor device, its fixings and the structure to which it is attached and restrict use in areas with possible corrosive conditions.

It is recommended that all anchors only be fitted by competent persons.

Do not make any alterations or additions to the product without the prior, written consent of the manufacturer.

Anchor device is for personal use only and not for material use.

Always check that the anchor rating is suitable before use.

For the Purlin Anchors L4543, L4550, L4551 and L4552 to be installed and be acceptable for use the roof sheeting must be attached directly to the purlin. If there is a top hat section or insulation spacer installed between the roof sheeting and the purlin these anchors must not be installed.

All anchors are certified to the requirements of AS/NZS 5532 as a single person fall arrest anchor point able to sustain a force of 15kN.

The anchor point and structure will deform if a force is applied, such as may occur during a fall.

Ordering Information

3M Code	Model #	Description
70007938395	L4550	3M™ DBI-SALA® Low Profile Purlin Mounted Roof Anchor for flat pan applications
70007937967	L4551	3M™ DBI-SALA® Low Profile Purlin Mounted Roof Anchor for Custom Orb or corrugated iron applications
70007932786	L4552	3M™ DBI-SALA® Low Profile Purlin Mounted Roof Anchor for Spandek applications

Important Notice

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