ANKAme®

OWNERS MANUAL CORRECT INSTALLATION

NOTE

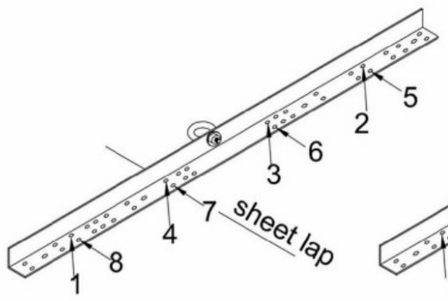
USE, INSPECTION AND MAINTENANCE

It is a requirement that the roof anchor be visually inspected prior to each use, if any of the following are evident, the roof anchor must be removed from service immediately: Any defects, absent markings / labelling, evidence of missing parts, or if the roof anchor has been used in a fall. Roof anchor not to be used in a corrosive environment. Temporary fix not to be used as a permanent fixture. Roof anchor to be used in the direction of eyebolt only.Roof anchor to be used only where roof sheeting has been fully installed in accordance with manufacturers recommendations. Roof sheeting profile can vary up to 5mm, inspect roof sheeting prior to installation of roof anchor.
Roof anchor to be cleaned regularly with a damp cloth.

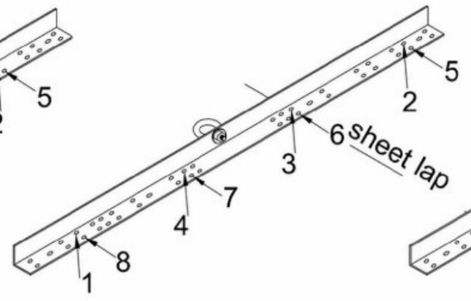
IMPORTANT

All specified fastenings must be fixed into adequate roof structure, if adequacy of the roof structure is in doubt, the roof should be inspected and certified by a registered structural engineer. It is the responsibility of the installer and user for the correct use of the anchor. It is recommended that the roof anchor be fixed 2500mm from edge of roof and no less than 800mm from edge of roof. Other fastenings are NOT to be used with the roof anchor.
Shock absorber equipment must be attached at all times. For correct use of equipment, refer to AS/NZS 1891.4: 2009 , industrial fall-arrest systems and devices - selection, use and maintenance. People with any disability, impaired vision or other impaired capabilities are not to use the roof anchor. Min grade of timber to be F8, min grade of steel to be G450. Temporary fix custom orb timber fix only. If product is misused death or serious injury may result.

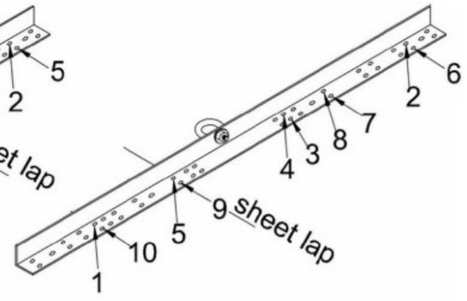
Permanent fix (min grade sheet thickness 0.42mm) with 1 Fab-Lok EZJ120 or
with 1 x Bulb-tite 7.7mm x 27mm RV6605-9-6W fixed in sequence as indicated below.
to be installed and used by competent persons only.



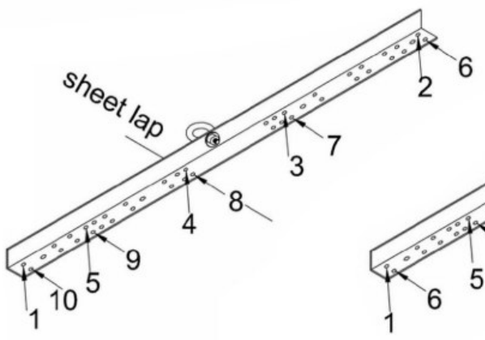
Klip-lock 700 /
Steel-Rib 700 /
Speed Deck 700



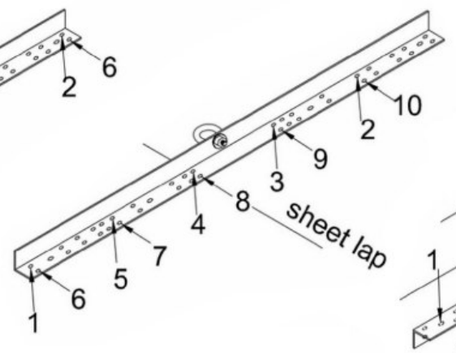
Klip-lock 500 /
Steel-Rib 500 /
Speed Deck 500



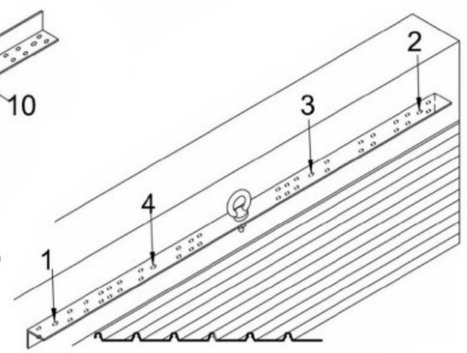
Spandek 700



Custom Orb /
Corrugated

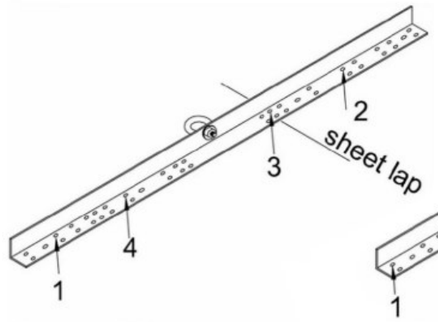


Trim-Deck /
Steel-Clad /
Mono Clad

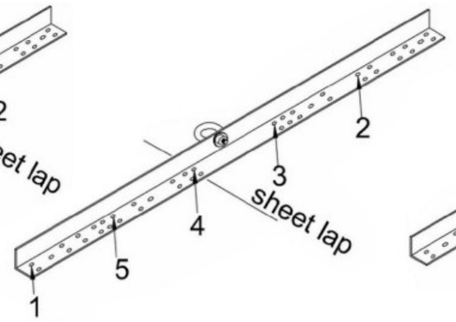


Zinc plated M10 x 60mm Anchor Screw
or zinc plated M10 x 75mm True Bolt
fix into 32 mPa concrete in positions indicated

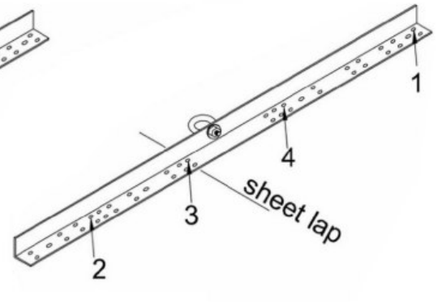
Temporary fix (min grade sheet thickness 0.42mm)
with 1 x Bremick 14-20 x 65mm fixed in sequence as indicated below.
to be installed and used by competent persons only.



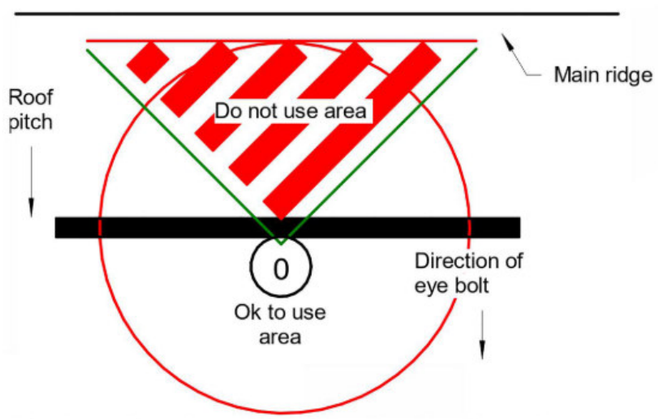
Spandek 700



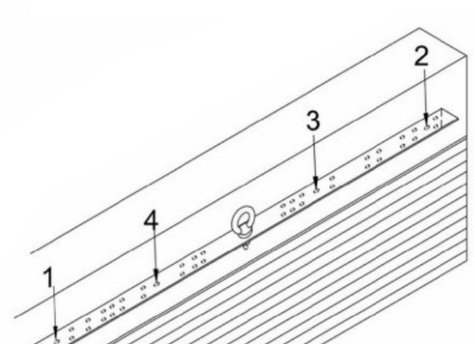
Trim-Deck /
Steel-Clad /
Mono Clad



Custom Orb /
Corrugated



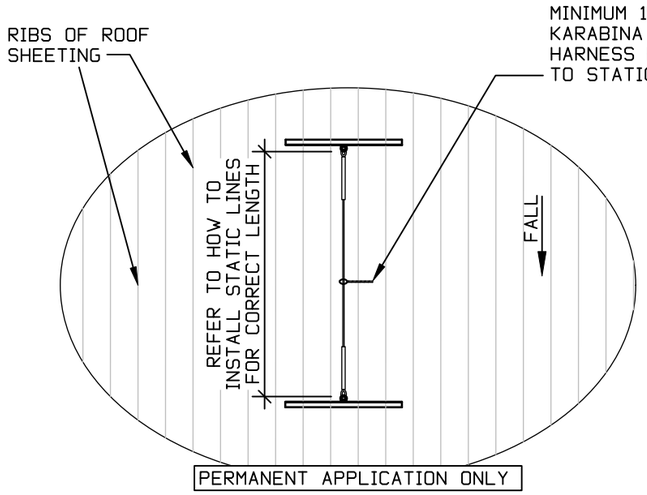
Single roof anchor can be used in direction of eye bolt only , as shown in above diagram Temporary & Permanent application (240 degree use)



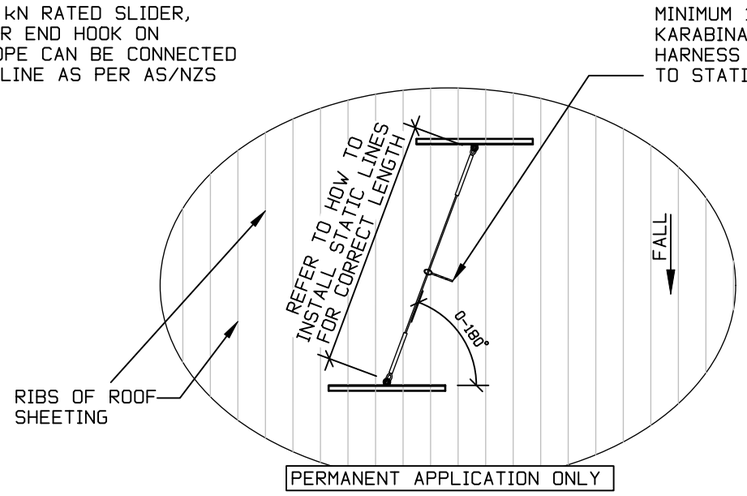
Zinc plated M10 x 60mm Anchor Screw
or zinc plated M10 x 75mm True Bolt
fix into 32 mPa concrete in positions indicated

ANKAme STATIC LINE CORRECT INSTALLATION USER MANUAL

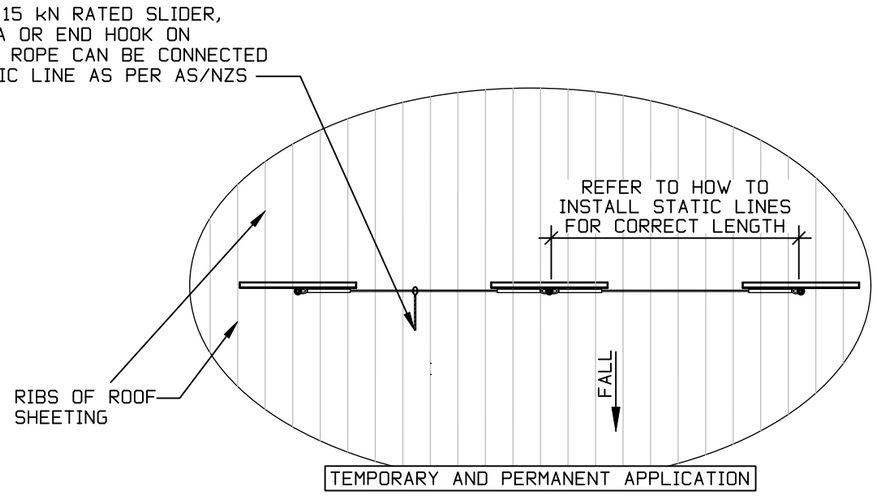
(TEMPORARY / PERMANENT APPLICATION 360 DEGREE USE)



TYPE 1 LINE CONFIGURATION
SINGLE LINE PERMANENT APPLICATION ONLY
END ANCHORAGE WITH TWO (2) ANKAme ANCHORS
LINE INITIALLY PARALLEL TO RIBS OF ROOF SHEETING
ONE PERSON PER SYSTEM (ROOF PITCH UPTO 15°)



TYPE 2 LINE CONFIGURATION
SINGLE LINE PERMANENT APPLICATION ONLY
END ANCHORAGE WITH TWO (2) ANKAme ANCHORS
LINE INITIALLY DIAGONAL TO RIBS OF ROOF SHEETING
ONE PERSON PER SYSTEM (ROOF PITCH UPTO 15°)



TYPE 3 LINE CONFIGURATION
MULTIPLE LINES UPTO 300 METERS
TEMPORARY AND PERMANENT APPLICATION
CUSTOM ORB/SPANDEK TEMPORARY FIX FOR TIMBER FIX ONLY
LINE INITIALLY NORMAL TO RIBS OF ROOF SHEETING
ONE PERSON EVERY SECOND SPAN (ROOF PITCH UPTO 40°)

NOTES:

1. FOR GENERAL REQUIREMENTS OF SAFETY LINES INCLUDING MATERIALS, WHERE AND HOW THEY ARE TO BE USED, REFER TO AS/NZS AS LISTED AT THE BOTTOM OF THIS DOCUMENT.
2. THE END ANCHORAGES ARE DESIGNED FOR SPECIFIC SAFETY LINE MATERIALS. OTHER STATIC LINE SYSTEMS ARE **NOT** TO BE USED WITH THE ANKAme END ANCHORS. ANKAme STATIC LINES ARE TO BE INSTALLED AND USED **ONLY** AS SPECIFIED IN THIS DOCUMENT.
3. END ANCHORS WITH STATIC LINES FIXED ON ROOF SHEETING TO BE INSTALLED AS PER TYPE 1 TO TYPE 3 CONFIGURATION. REFER TO HOW TO INSATALL STATIC LINES FOR SUITABILITY OF PERMANENT AND TEMPORARY APPLICATION FOR EACH TYPE OF ROOF SHEETING.
4. PERMANENT ROOF ANCHOR SYSTEM TO BE CHECKED EVERY 12 MONTHS BY A COMPETENT PERSON AS PER AS/NZS AND ANKAme USER MANUAL.

HOW TO INSTALL STATIC LINES:

1. STATIC LINES CAN **ONLY** BE INSTALLED BY A COMPETENT PERSON AS PER AS/NZS AND ANKAme USER MANUAL.
2. POSITION END ROOF ANCHORS INTO DESIRED WORKING LOCATION AND CONNECT STATIC LINE TO END EYE BOLTS BEFORE FASTENING ANCHORS TO ROOF, AS PER ANKAme USER MANUAL.
3. SET STATIC LINE LENGTHS FROM INSIDE EDGE OF EYE BOLTS FOR EACH TYPE OF ROOF SHEETING AS BELOW:
   CUSTOM ORB – 7.575 METERS (PERMANENT & TEMPORARY APPLICATION FOR TIMBER FIX ONLY)
   TRIMDEK – 7.540 METERS (PERMANENT & TEMPORARY APPLICATION)
   SPANDEK – 7.685 METERS (PERMANENT & TEMPORARY APPLICATION FOR TIMBER FIX ONLY)
   KLIP-LOK 700 – 7.725 METERS (PERMANENT APPLICATION ONLY)
4. WHEN TIGHTENING STATIC LINE:
   a) ENSURE THERE IS A MINIMUM THREAD OF 7 MM ON EACH ADJUSTER
   b) TIGHTEN THE ADJUSTER ON THE OPPOSITE END TO THE LOAD INDICATOR ADJUSTER
   c) WHEN THE LOAD INDICATOR IS RELEASED AND SPINS FREELY THEN THE STATIC LINE IS SET AT CORRECT TOQUE
   d) WARNING: DO NOT OVER TIGHTEN STATIC LINE LOAD INDICATOR. IF LOAD INDICATOR IS OVER TIGHTENED, IT MAY NOT WORK CORRECTLY UPON REUSING FOR TEMPORARY APPLICATION AND THE STATIC LINE WILL NEED TO BE REMOVED FROM SERVICE AND REPLACED WITH A NEW STATIC LINE
4. TEMPORARY ANCHORS CAN BE UNDONE AND REMOVED FOLLOWING REVERSED ABOVE-MENTIONED INSTALLATION SEQUENCE. HOWEVER, PERMANENT ANCHORS CAN **NOT** BE REMOVED.

NOTE:
IF SITE CONDITIONS VARY, OR IF ROOF STRUCTURE IN DOUBT, CONSULT ENGINEER

ANKAme ROOF ANCHORS FIXED TO ROOF SHEETING IN ACCORDANCE WITH OWNERS MANUAL CORRECT INSTALLATION ON PAGE 2 OF THIS DOCUMENT, PREPARED BY ANKAme PTY LTD – TYPICAL

IMPORTANT NOTE:
THE EXISTING ROOF SHEETING AND ITS IMMEDIATE SUPPORTS ARE TO BE CHECKED BY A COMPETENT PERSON FOR STURCTURAL INTEGRITY AND FOR INSTALLATION COMPLIANCE WITH ITS MANUFACTURAERS SPECIFICATIONS, PRIOR TO ANKAme ROOF ANCHORS BEING INSTALLED.

TABLE : ROOF SHEET AND FIXING TYPE

TYPE OF ROOF SHEETING	TYPE OF APPLICATION	SUITABLE TYPE OF LINE CONFIGURATOIN	SET STATIC LINE LENGTHS (METERS)
CUSTOM ORB	PERMANENT	TYPE 1 & 2 & 3	7.575
	TEMPORARY	TYPE 3 (TIMBER FIX ONLY)	
TRIMDEK	PERMANENT	TYPE 1 & 2 & 3	7.540
	TEMPORARY	TYPE 3	
SPANDEK	PERMANENT	TYPE 1 & 2 & 3	7.685
	TEMPORARY	TYPE 3 (TIMBER FIX ONLY)	
KLIP-LOK 700	PERMANENT	TYPE 1 & 2 & 3	7.725
	TEMPORARY	NOT TO USE	

STRUCTURAL CERTIFICATION

ROSS ENGINEERS CAN CERTIFY THAT THE WORK PROPOSED IN THIS STRUCTURAL DRAWING, AS UNDERTAKEN IN ACCORDANCE WITH ALL CONSTRUCTION NOTES IN THIS DRAWING IS IN ACCORDANCE WITH THE FOLLOWING CODES

AS/NZS 1170.0: 2002 – "STRUCTURAL DESIGN ACTIONS – GENERAL PRINCIPLES"
AS/NZS 1891.2:2001 – SUPPLEMENT 1: 2001 "INDUSTRIAL FALL-ARREST SYSTEMS AND DEVICES" PART 2: HORIZONTAL LIFELINE AND RAIL SYSTEMS
AS/NZS 1891.4:2009 – "INDUSTRIAL FALL-ARREST SYSTEMS AND DEVICES" PART 4: SELECTION, USE AND MAINTENANCE

SIGNATURE J Kantouros

DATE: 22/04/2022

JOHN KANTOUROS (CIVIL/STRUCTURAL ENGINEER)
B.Eng (CIVIL) HONOURS, MIEAust CPEng NER-768626

NOTE: IF REFERENCED STANDARDS BECOME SUPERSEDED CERTIFICATION IS NOT TO BE RELIED UPON

DRAWING LIST	
PAGE 1 OF 2	ANKAme STATIC LINE CORRECT INSTALLATION USER MANUAL
PAGE 2 OF 2	ANKAme OWNERS MANUAL CORRECT INSTALLTION

ISSUE	REVISION DESCRIPTION	DATE
1	CC	2022.04.22

ROSS ENGINEERS
CONSULTING STRUCTURAL ENGINEERS
357 GLEBE POINT ROAD GLEBE NSW 2037
PHONE (02) 9518 9373
EMAIL info@rossengineers.com.au
WEB www.rossengineers.com.au

CLIENT: ANKAme PTY LTD

TITLE: STATIC LINE CONFIGURATIONS TYPE 1 TO TYPE 3

PROJECT: ANKAme ROOF ANCHOR ANCHORAGE USING STATIC LINE CONFIGURATIONS

Sheet No.	Drawn:	Designed:	Approved:
1 OF 2	JL	JL	JK

Drawing No:	Size:	Scale:
22-0261-ST	A3	NOT TO SCALE

WorkCover
NEW SOUTH WALES

File No: 2010/011507
Job No: M14691

28 July 2010

ANKAme Pty Ltd
PO Box 232
ROSNY PARK 7018 TASMANIA

Attention: Johnathon Newitt

Dear Johnathon,

RE: RESULTS OF TESTING

As per your request, the following is a summary of the results from testing performed at your site from the 28/06/2010 to 01/07/2010 on your ANKAme Multi-function Anchors:

Strength Requirement Test Method:
The ANKAme Roof Anchor was installed into roof sheeting and concrete, and proof loaded to 15kN as per AS/NZS 1891.4:2009 Clause 3.1, Table 3.1 (a) use for free fall arrest, single point anchorage for one person. Please refer to the table and the directional loading diagram attached to this letter for the result of each test.

For further details refer to our test report No. 32470.

Yours Faithfully,

Jana Zeman
Engineer, Testing Services Branch
Test Safe Australia

WorkCover NEW SOUTH WALES

Results of Testing to AS1891.4: 2009:

Installed on to:	Fixtures Used:	Direction A Load kN	Direction B Load kN	Direction C Load kN	Comments	Results
Klip-Lok 700 0.42mm thickness	7.7 mm Bulb-tite RV6605-9-6W	15	15	15	Load held for 2 min 30 sec	Complies
Klip-Lok 700 0.42mm thickness	Fab-Lok EZJ120	15	15	15	Load held for 2 min 30 sec	Complies
Klip-Lok 500 0.42mm thickness	7.7 mm Bulb-tite RV6605-9-6W	15	15	15	Load held for 2 min 30 sec	Complies
Klip-Lok 500 0.42mm thickness	Fab-Lok EZJ120	15	15	Not Tested	Load held for 2 min 30 sec	Complies
Spandek/Timber Grade F8 Timber	Bremick Screws 14-20 x 65	15	15	15	Load held for 2 min 30 sec	Complies
Spandek 0.42mm thickness	7.7 mm Bulb-tite RV6605-9-6W	15	15	15	Load held for 2 min 30 sec	Complies
Spandek 0.42mm thickness	Fab-Lok EZJ120	15	15	15	Load held for 2 min 30 sec	Complies
Custom Orb/Timber Grade F8 Timber	Bremick Screws 14-20 x 65	15	15	15	Load held for 2 min 30 sec	Complies
Custom Orb/ Steel Purlin Grade G450 Purlin	Bremick Screws 14-20 x 65	Not Tested	15	15	Load held for 2 min 30 sec	Complies
Custom Orb 0.42mm thickness	7.7 mm Bulb-tite RV6605-9-6W	15	15	15	Load held for 2 min 30 sec	Complies
Custom Orb 0.42mm thickness	Fab-Lok EZJ120	15	15	15	Load held for 2 min 30 sec	Complies
Steel-Clad/Timber Grade F8 Timber	Bremick Screws 14-20 x 65	15	15	15	Load held for 2 min 30 sec	Complies
Steel-Clad/ Steel Purlin Grade G450 Purlin	Bremick Screws 14-20 x 65	15	15	15	Load held for 2 min 30 sec	Complies
Steel-Clad 0.42mm thickness	7.7 mm Bulb-tite RV6605-9-6W	15	15	15	Load held for 2 min 30 sec	Complies
Steel-Clad 0.42mm thickness	Fab-Lok EZJ120	15	15	15	Load held for 2 min 30 sec	Complies
Concrete	M10 Trubolt	15	Not Tested	Not Tested	Load held for 2 min 30 sec	Complies
Concrete	M10 Anchor Screw	15	Not Tested	Not Tested	Load held for 2 min 30 sec	Complies

Directional Loading Diagram: