

GENERATION

Spandeck User Guide

LW/05.19



GENERATION
HIRE & SALE
SCAFFOLDING
ACCESS
GROUNDWORKS

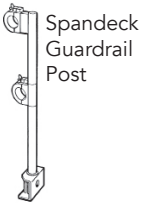
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Spandeck Components

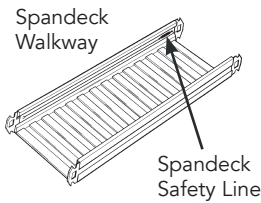
Generation Spandeck is a lightweight aluminium walkway bridge, work platform and staging system in one versatile unit for indoor and outdoor locations.

High strength aluminium alloy construction ensures that Spandeck is lightweight and maintenance free whilst integral toeboards enable it to be used safely as a walkway. Guardrail posts and guardrails are fitted to provide a safe working environment.

Before using the below Safe Working Load's, check that the support structure can safely carry these loads.

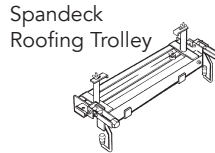


Spandeck Guardrail Post

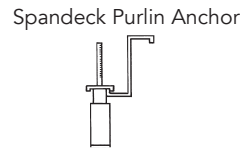


Spandeck Walkway

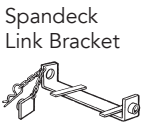
Spandeck Safety Line



Spandeck Roofing Trolley



Spandeck Purlin Anchor



Spandeck Link Bracket



Spandeck Trailing Edge Bracket

Spandeck Handrail



Guardrail In Line Connector



Code	Description	Deck Length	Width	Weight	Safe Working Load
307515	12' Spandeck Walkway	3.7m(12')	600mm	30kg	900kg Distributed
307516	16' Spandeck Walkway	5.0m(16')	600mm	39kg	675kg Distributed
307526	18' Spandeck Walkway	5.5m(18')	600mm	43kg	600kg Distributed
307520	20' Spandeck Walkway	6.1m(20')	600mm	47kg	640kg Distributed
307524	24' Spandeck Walkway	7.3m(24')	600mm	55kg	450kg Distributed
307500	Handrail	-	-	5.0kg	-
307510	Guardrail	-	-	5.0kg	-
307511	Link Bracket	-	-	5.0kg	-
307512	Purlin Anchor	-	-	2.0kg	-
307513	Roofing Trolley	-	-	8.6kg	-
307514	Trailing Edge Bracket	-	-	7.0kg	-
307612	12' Horizontal Safety Line Sale Only	-	-	2.0kg	-
307616	16' Horizontal Safety Line Sale Only	-	-	2.5kg	-
307620	20' Horizontal Safety Line Sale Only	-	-	3.0kg	-
307624	24' Horizontal Safety Line Sale Only	-	-	3.5kg	-

RECOMMENDED PROCEDURE FOR INSTALLATION OF SPANDECK ROOFING TROLLEY & GUARDRAILS

Spandeck roofing trolleys have been designed to suit different types of applications. It is important to check that the units supplied are suitable for the use and situation for which they are intended.

Each Spandeck to be supported by two trolleys as near to the end of the Spandeck as possible.

1. Holding the roofing trolley at an angle of 30 degrees, allow the locator tabs (1), to fit beneath the upper lip of the purlin. Once in position, lower the assembly to allow the top roller assembly (2) to rest on the top face of the purlin.
2. Swing down the locking hooks (3) so that they grip the underside of the top of the purlin, and tighten them to prevent movement of the roof roller assembly or apply brake if type B.
3. Position Spandecks between the locking clamps (4) with the toeboard sides uppermost, and secure. Attach lanyard to horizontal safety line if fitted.
4. Fit Spandeck guardrail posts as handrails as illustrated. Horizontal guardrails must be fitted on the inside of the guardrail post.
- 4a. Ensure securing pin is fully engaged.
5. To move the Spandeck roofing trolley to the next location, slacken the locking hooks (3) whilst standing on the Spandeck staging.

Then with one foot on the staging and both hands holding handrail tube, push assembly along the purlins using other foot. If trailing edge system is fitted remove brakes and pushed assembly to the desired location.

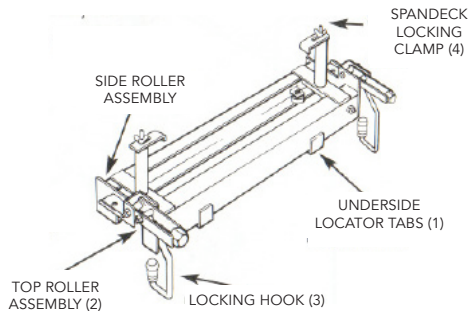
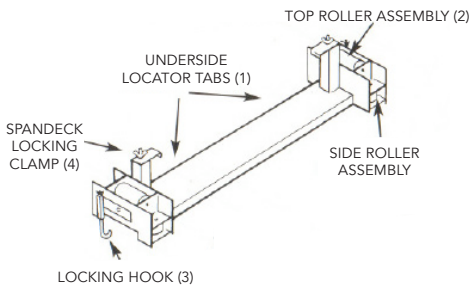
Where possible, it is advisable for two operatives to push the assembly, one at each end of the Spandeck run. In the case of multiple lengths of Spandeck, three operatives with one pushing in the centre is recommended.

6. Re-tighten locking hooks or apply brakes when desired location is reached.
7. The use of a safety harness is recommended at all times. The lanyard of the harness should be attached to the horizontal safety line in the base of the Spandeck if fitted. (Safety Lines are a **sale only** item and do not come fitted as standard.)

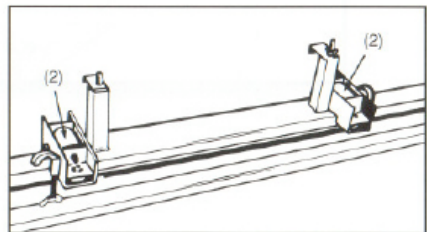
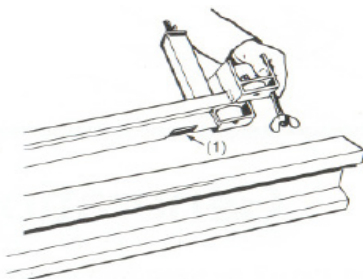
MULTIPLE LENGTHS

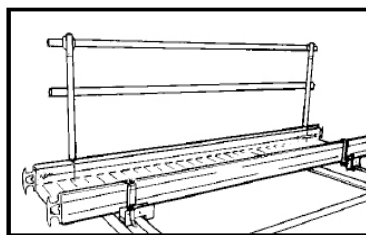
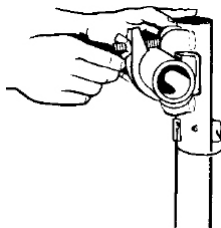
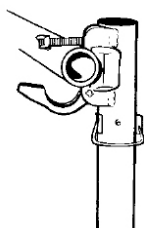
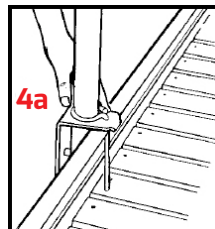
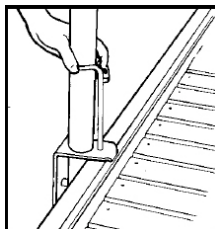
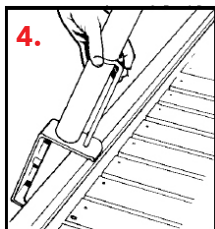
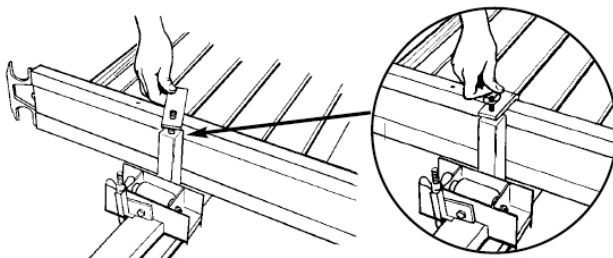
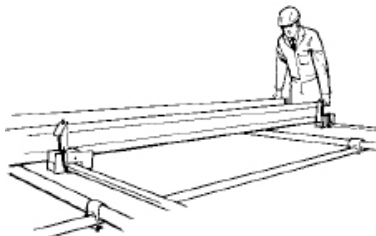
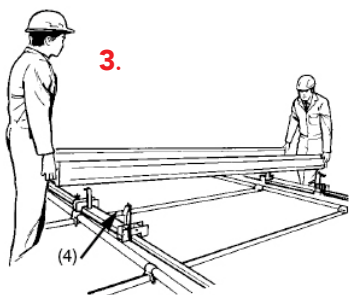
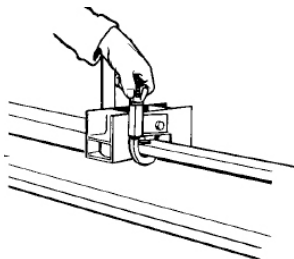
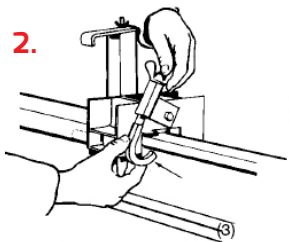
8a. When joining Spandeck staging to create a run, only use a Spandeck Link Bracket. Remove pin (*) from link brackets and remove locking mechanism (+). Insert link bracket between Spandecks and re-insert locking mechanism and pin.

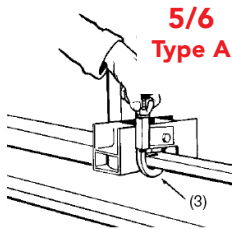
8b. Where a Spandeck link bracket is fitted, the roof roller should be fitted as near as possible to the joint.



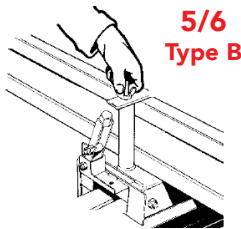
1.



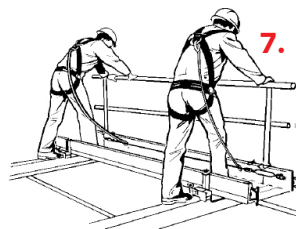




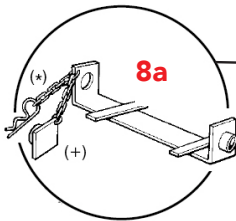
5/6
Type A



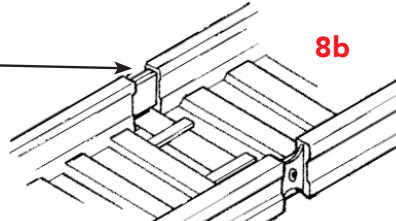
5/6
Type B



7. **Note:**
Safety
Lines are
a sale
only item.



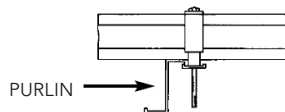
8a



8b

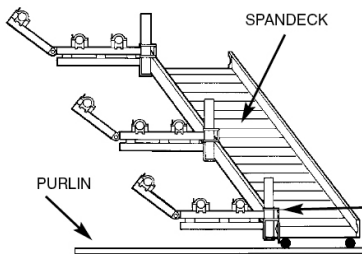
USE OF SPANDECK WITH PURLIN ANCHORS

Four purlin anchors per Spandek to be used as near to the end of Spandek as possible.



TRAILING EDGE PROTECTION

IF TRAILING EDGE PROTECTION IS USED OBSERVE THE FOLLOWING.
Note: Do not use Spandek for roof work without roofing trolleys or purlin anchors. Guardrails removed from illustration for clarity.

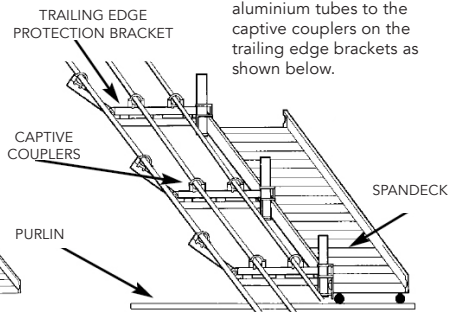


STAGE 1

Attach 3 x brackets to Spandek as shown below. Using three captive locking pins.

STAGE 2

Now connect three time aluminium tubes to the captive couplers on the trailing edge brackets as shown below.



STAGE 3

For continous rungs of Spandek use aluminium inline connectors between 2" aluminium tubes.



INLINE CONNECTOR

GENERAL SAFETY RULES

Various designs of roofing trolley exist. It is important to check that the units to be used are suitable for the use and situation for which they are intended.

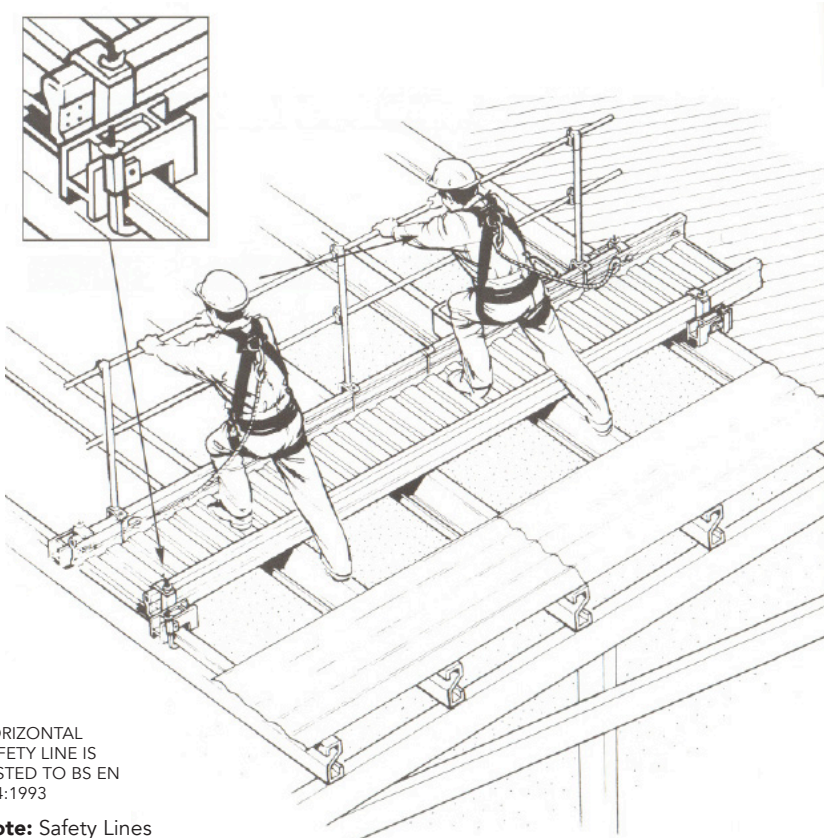
Prior to use the operator must satisfy himself that the working platform complies with all statutory regulations.

Spandek stagings have SW.L. of 800lbs (360kg) distributed. If used for work - safety harnesses must be used, maximum safe working load of Spandek is 2 people. It is important to ensure that the structure of the roof can support this applied load, otherwise a lower load capacity should be specified.

Personnel involved with the erection and dismantling should do so in accordance with the Span deck roofing trolley instruction manual.

The use of a safety harness is recommended at all times. The lanyard of the harness should be attached to the horizontal safety line in the base of the Spandek, if fitted.

Provision must be made with regard to safety of others, as is recommended practice with overhead working, e.g. coned off areas below roof works with signs stating men working overhead.



HORIZONTAL
SAFETY LINE IS
TESTED TO BS EN
364:1993

Note: Safety Lines
are a **sale only** item.

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 GROUNDWORKS



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