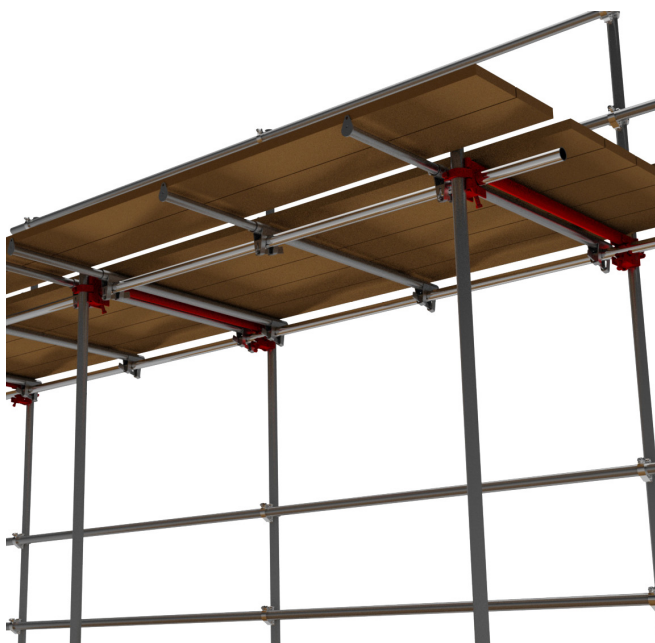


GENERATION

Readylok & Extendable Transoms User Guide

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Introduction

Readylok prefabricated transom units and associated intermediate extendable transoms allow users to take advantage of system scaffold efficiency (fast erection, reduced components) within their tube & fitting scaffold erection.

Advantages:

Fixed length end connections facilitate efficient setting out and self-alignment.

Reduced number of components due to coupler's ability to join 3 tubes instead of 2.

Elimination of ledger bracing (compliance criteria within TG20:13).



Simplifies
erection
and striking

Cuts labour
costs

Uses existing
stocks of tubes
and fittings

Reduces site
losses

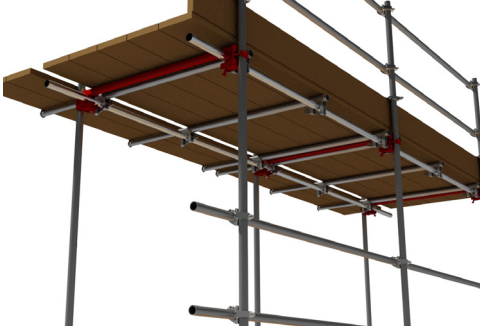
Board Spans

Products described in this user guide are intended for use with standard scaffold boards as specified in BS2482:2009 and NASC TG5:10. Maximum spans are assumed as 1.2m/1.5m accordingly.

Component Identification

The illustrations below show the components in use:

Readylok Transom



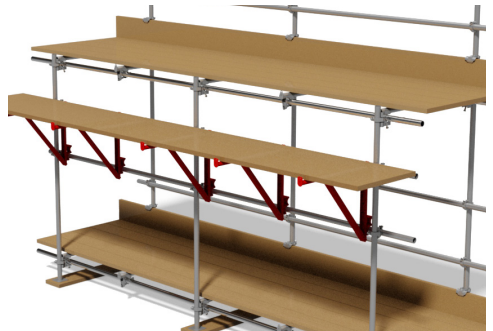
Extendable Transom



Universal Extendable Transom



Extendable Hop-Up Bracket



Compliance with criteria within TG:20:13 should be checked by a competent person.

Readylok Transoms

Used at standards at every lift to join the standard/ ledger/ transom. Typically at 2m CTS. These facilitate setting out to pre-determined bay widths (3/4/5 board). The fixings allow the transom and standard to occur at the same node point, reducing parts and adding to structural rigidity. The added rigidity, used in accordance with NASC TG20 compliance sheets can eliminate ledger bracing for clear walkways and increased build efficiency.



Code	Description	Weight (kg)
046531	3 Board Readylok Transom	8.32
046536	4 Board Readylok Transom	8.66
046515	5 Board Readylok Transom	9.00

Safe Working Load with Ledger Bracing Omitted

Debris netted independent with Readylok Transoms, in accordance with NASC TG20:13 compliance sheet, can be erected up to 16m to the top lift with up to 1 inside board; 14m (load class 3) or 12m (load class 4) with 2 inside boards.

Load Class (BS EN12811)	Duty	Maximum Loading*
3	General Purpose	2.0 kN/m ²
3	Heavy Duty	3.0 kN/m ²

* One lift loaded, with one lift 50% loaded.

Inside boards loaded to 0.75 kN/m² at working lift.

Foundation design leg load (for the client): 13.9kN

**For requirements outside of the above compliant parameters, scaffold must be designed for site specific conditions by a competent engineer. See 'Certificates of Conformity' section.

Extendable Transoms

Used within bays to reduce board spans between Readylok and/or main transoms, with a telescopic extension designed to support inside boards.

There are two types, the fixed width extendable and the Universal extendable transom.

The fixed width extendable transom (FET) is suited to ledgers at fixed, pre-determined distances, the FET is secured by steel wedges set by hammer blows at the front and rear. Different versions are required to suit 4 board or 5 board wide scaffolds and an additional 3 inside boards are offered by the extendable insert.

The universal extendable transom (UET) suits tube and fittings scaffolds, system scaffolds and Readylok scaffolds. It can be used on 4 or 5 board wide main platforms. For 4 board wide scaffolds a fixed inside board exists and an additional 3 inside boards are offered by the extendable transom insert. For 5 board wide scaffolds there are no fixed inside boards and up to 3 inside boards are offered by the extendable transom insert. The rear of the UET is a modified Readylok bracket and is secured using a standard scaffold spanner, the front is secured using a single coupler.

for both transom types it is essential that the insert is fixed in position during transportation and storage, this is achieved by tightening the front bolt.



Code	Description	Weight (kg)
278326	866mm (4+3), Use with 4 board Readylok	9.00
278328	1098mm (5+3), Use with 5 board Readylok	9.90
278334	1300mm (5+3) Genlok with Stub	7.00
278336	Extendable Tube Transom (5+3)	8.60
278330	Universal Extendable Transom (5+3)	7.25

Extendable Transoms Continued

Safe working loads based on bending only

2 Inside Boards

No. of transoms per 13' board	Nominal CTS. (M) - (inches)	Allowable load (kN/m ²)	Load Class (BS EN12811)
4	(1.2m) - (48')	5.6	5
5	(0.9m) - (39')	7.5	6
6	(0.72m) - (36')	9.4	6
7	(0.6m) - (24')	11.3	6

3 Inside Boards

No. of transoms per 13' board	Nominal CTS. (M) - (inches)	Allowable load (kN/m ²)	Load Class (BS EN12811)
4	(1.2m) - (48')	2.5	3
5	(0.9m) - (39')	3.4	4
6	(0.72m) - (36')	4.3	4
7	(0.6m) - (24')	5.1	5

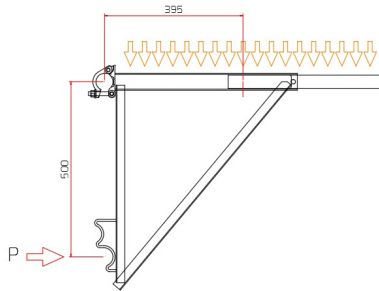
Extendable Hop-Up Brackets

These brackets provide an alternative for inside board support. Extension piece allows for up to 3 boards. Design enables inside platform to move up/down without effecting main platforms. Ensure extension piece is retracted and secured with the bolt during storage and transportation.



Code	Description	Weight (kg)
278337	Extendable Hop-Up Bracket (2+1)	6.55

Designed to be used on independant scaffolds or birdcages. the scaffold design should clarify that the inside platforms supported by hop-up brackets should be limited to 0.75kN/ m² (see table below). Intended for light access, not for storage of materials



Load (kN/m ²)	Bracket CTS (m)	Load P (kN)	Load Class (BS EN12811)
0.75	1.2	0.6	1
1.5	1.2	1.2	2

Load P is the horizontal reaction at the lower bracket and occurs at 1.2m CTS. The scaffold designer should check the support ledger can resist this load.

General Safety and Maintenance

All operatives erecting scaffold have a duty of safety to themselves, others working on or near the scaffold and all persons who may be nearby.

Operatives should work within the requirements of the Health and Safety at Work Act 1974, Construction Regulations Safe Place of Work Act 1996 and the Work at Height Regulations 2005.

All components shown in this guide should be inspected before and during erection as well as after dismantle for damage and/or corrosion. Bolt threads should be free to turn, telescopic parts of extendable transoms should be free to move as designed.

When storing/transporting extendable items, they should be secured and locked off to prevent damage.

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