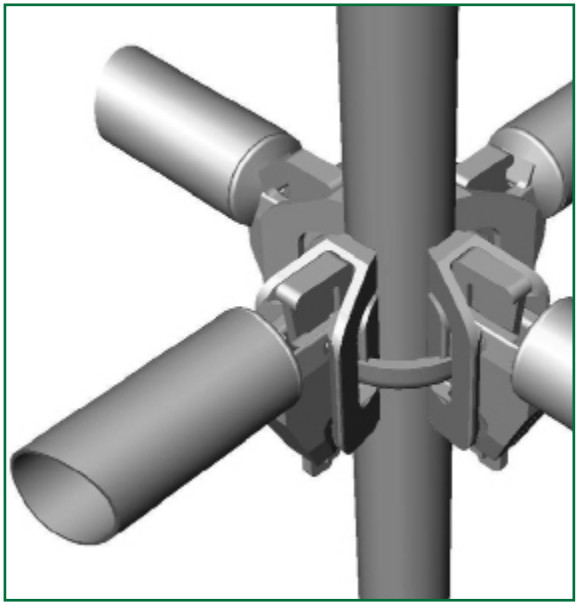
Component Loading Guide

North American Version



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CONTENTS

3.1 INTRODUCTION

This section of the Turner OCTO® Product Manual is subject to periodic revision and updating without further notice. Before designing scaffolds with OCTO® system components, refer to Turner Fabrication to be sure you are using the most current version.

Always refer to appropriate scaffold assembly guide before using any component and always adhere to local, national standards and regulations.

This document is intended for use by experienced scaffold engineers.

Use by unqualified persons may result in death, serious personal injury or property damage.

All components in this booklet have a 4:1 factor of safety; either by being tested to destruction or calculated analysis to ultimate load.

Loading information contained in this document is based upon the load-carrying capacity of the individual components. The total loads (component weight, deck weight, live load, material load, wind load etc) to be imposed on the complete assembly must be considered.

All loads on individual members are transmitted to other components and, ultimately, to the ground. Compensation for these cumulative vertical and horizontal loads must be provided for each individual scaffold application.

All drawings in this document are for illustrative purposes only and are intended for general information purposes only.

The Turner OCTO® System is designed and manufactured by Turner Fabrication Ltd, Glasgow. Steel OCTO® joints and components have been tested at Oxford Brooks University, in compliance with BS-EN12811-1 to 3, to determine their elastic and elasto-plastic properties.

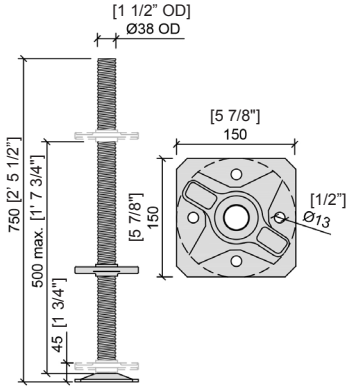
The result from these tests were incorporated in a series of analyses of the main structural components and assemblies to ensure compliance with the requirements of BS EN12811-1, BS EN12811-2, BS EN12810-1 and BS EN12810-2 to obtain working capacity ratings for the main structural components and assemblies.

Turner OCTO® System Scaffolding is interchangeable with previous system scaffolding manufactured by Turner Access Ltd. In case of these mixed structures, the lower load bearing capacities of the previous Turner System are applicable.

3.2 ALLOWABLE WORKING LOAD FOR STANDARD COMPONENTS

3.2.1 Adjustable Base Jack and Castor Wheel with Adjustable Base Jack

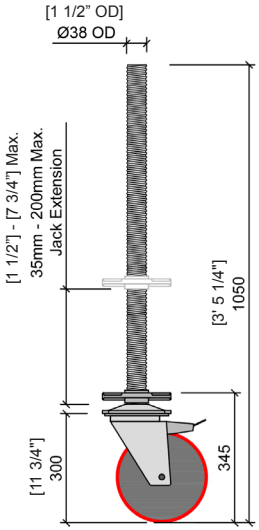
Code	Component Description	Overall Length		Weight	
		(m)	(ft, in)	(kg)	(lbs)
TO ABJ	Adjustable Base Jack	0.75	2' 5 1/2"	4.8	10.58

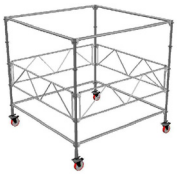


NOTE;
OCTO System Universal Jack & Universal Jack with Swivel Base Plate for TYPICAL use is restricted to the maximum leg load allowed for the OCTO System Standard in the wall scaffold configuration (see Standard in Typical Wall Scaffold Configuration).

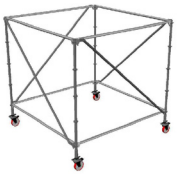
Load restricted to Max. Leg load of OCTO Standard in Wall Scaffold Configuration = **5268lbs**

Code	Component Description	Overall Length		Weight	
		(m)	(ft, in)	(kg)	(lbs)
TO CWABJ	Castor Wheel with Adjustable Base Jack	1.05	3' 5 1/4"	11.9	26.23





Condition 1
Horizontal in first cup followed by OCTO bracing Guardrail.



Condition 2
Horizontal in first cup with diagonal face brace.

Allowable Compressive Load Tables

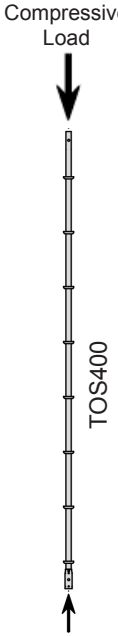
Condition 1			Condition 2	
Jack Ext. (', ")	Load (lbs)		Jack Ext. (', ")	Load (lbs)
0	4124.0		0	3187.0
3 15/16"	3625.0		3 15/16"	2881.0
7 7/8"	3234.0		7 7/8"	2629.0

3.2.2 Standards in Typical Wall Scaffolding Configuration

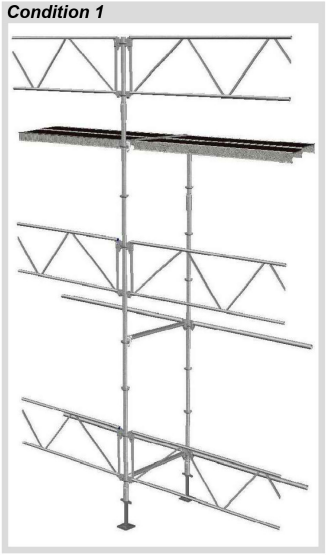
The allowable leg load for the OCTO standards restrained in each direction at 2.0m centers is as follows:-

Restraint	Condition 1	Condition 2
Outer Standard	Guardrail @ Max. 6' 6 3/4" (2.0m) crs	Guardrail @ Max. 6' 6 3/4" (2.0m) crs
Inner Standard	Horizontals @ Max. 6' 6 3/4" (2.0m) crs	OCTO locked platform @ 6' 6 3/4" 2.0m crs
Transverse	Horizontals @ Max. 6' 6 3/4" (2.0m) crs	Horizontals @ Max. 6' 6 3/4" (2.0m) crs
Max. Allowable Load (lbs)	5268	4338

Pure compressive loads any inclination of base jack may reduce the above load yield at Fy/1.1 and F.O.S of 2.0 on critical stresses.



Condition 1

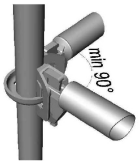


Condition 2

Cups

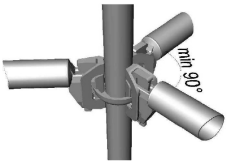
Max. Load into 1 Cup with 1 Component

= 2023 lbs



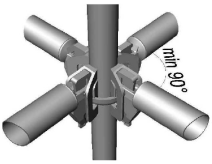
Max. Load into 1 Cup with 2 Components at a minimum of 90° is 1686 lbs each

= 2922 lbs



Max. Load into 1 Cup with 3 Components at a minimum of 90° is 966 lbs each

= 2922 lbs



Max. Load into 1 Cup with 4 Components at a minimum of 90° is 730 lbs each

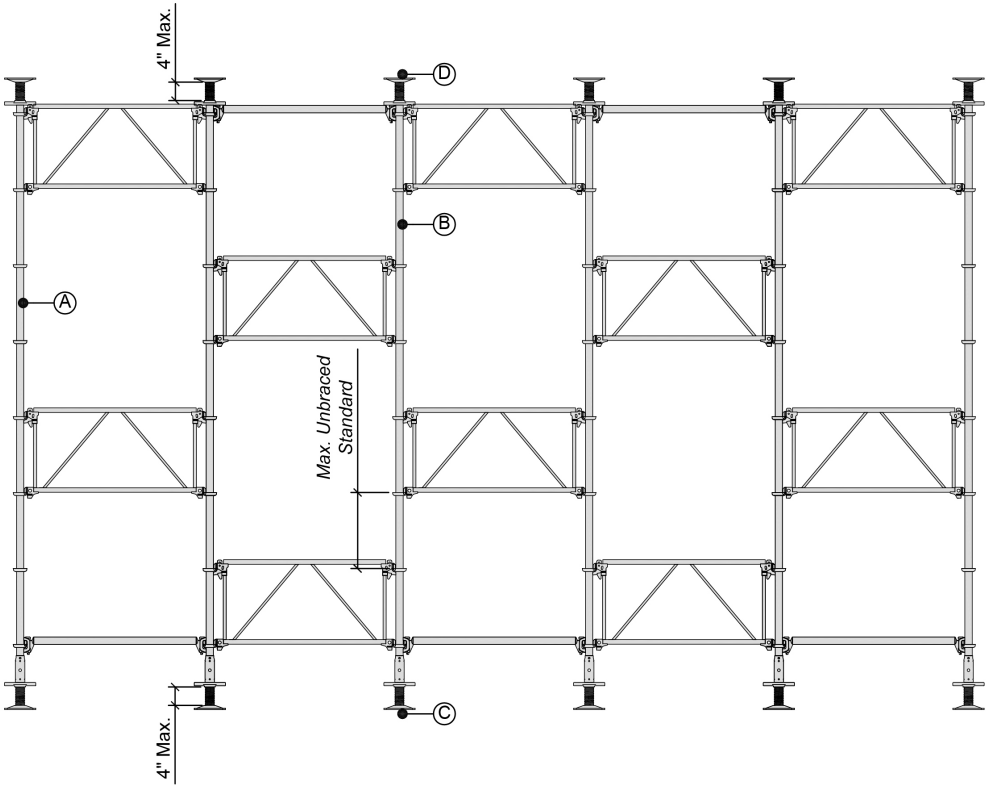
= 2922 lbs

3.2.3 Standards in Falsework Configuration

Falsework arrangement is based on the scaffold being loaded uniformly at the top & fixed against sway at top cup level.

Max. Unbraced Standard Length		**Max. Allowable Compressive Load (lbs)**			
(m)	*(‘ , “)*	*A*	*B*	*C*	*D**
0.5	1’ 8”	6630	8653	8878	7754

*Omit ‘D’ Top Jack to utilise other values for birdcage design.



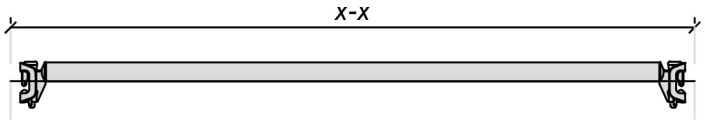
Higher values can be achieved using different configurations. If higher values are required please refer to Turner Fabrication Design Department.

3.2.4 Horizontals and Horizontal Beams

Horizontals

Code	x - x (m)/ (‘,”)	Description	UDL (lbs)	P1 (lbs)	P2 (lbs)	Weight (lbs)
				= ↓ =	= ↓ = ↓ =	
TO H350	3.50 / 11’ 5 3/4”	Horizontal 3.50m Ø48.3mm tube	472.0	269.7	179.8 x 2	28.4
TO H300	3.00 / 9’ 10”	Horizontal 3.00m Ø48.3mm tube	629.4	359.6	247.2 x 2	21.2
TO H250	2.50 / 8’ 2 1/2”	Horizontal 2.50m Ø48.3mm tube	989.0	517.0	359.6 x 2	15.9
TO H200	2.00 / 6’ 6 3/4”	Horizontal 2.00m Ø48.3mm tube	539.4	292.2	202.3 x 2	25.4
TO H175	1.75 / 5’ 9”	Horizontal 1.75m Ø48.3mm tube	831.7	449.5	314.7 x 2	17.6
TO H150	1.50 / 4’ 11”	Horizontal 1.50m Ø48.3mm tube	1191.3	561.9	449.5 x 2	13.2
TO H125	1.25 / 4’ 1 1/4”	Horizontal 1.25m Ø48.3mm tube	1550.9	651.8	561.9 x 2	12.1
TO H100	1.00 / 3’ 3 1/4”	Horizontal 1.00m Ø48.3mm tube	1888.1	809.2	719.3 x 2	10.4
TO H070	0.70 / 2’ 3 1/2”	Horizontal 0.70m Ø48.3mm tube	2450.0	1011.5	966.5 x 2	7.9
TO H050	0.50 / 1’ 7 3/4”	Horizontal 0.50m Ø48.3mm tube	3034.4	1303.7	1213.8 x 2	6.2

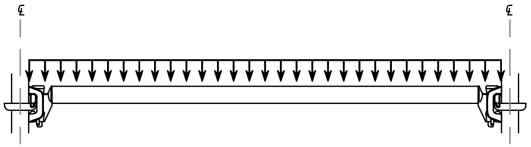
⚠ Ensure cup capacity is not exceeded



Load Conditions on Horizontals

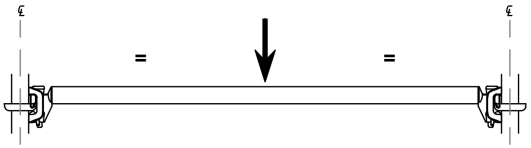
UDL = Uniform Load (lbs)

In this condition both horizontals and beams are rigidly held laterally by the OCTO platforms or similar



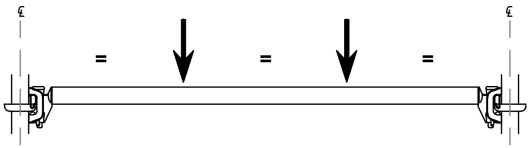
P1 = Point Load on Centre (lbs)

In this condition the horizontals / beams are held at the end points only(No lateral restraint)



P2 = Point Load on Third Points (lbs)

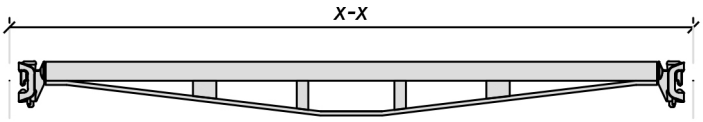
In this condition the horizontals / beams are held at the end points only (No lateral restraint)



Horizontal Beams

Code	x - x (m)/ (‘,”)	Description	UDL (lbs)	P1 (lbs)	P2 (lbs)	Weight (lbs)
				= ↓ =	= ↓ = ↓ =	
TO HB350	3.50 / 11’ 5 3/4”	Horizontal Beam 3.50m Ø48.3mm tube	1281.1	404.6	359.6 x 2	43.9
TO HB300	3.00 / 9’ 10”	Horizontal Beam 3.00m Ø48.3mm tube	1798.2	651.8	472.0 x 2	31.1
TO HB250	2.50 / 8’ 2 1/2”	Horizontal Beam 2.50m Ø48.3mm tube	2495.0	1011.5	719.3 x 2	22.1
TO HB200	2.00 / 6’ 6 3/4”	Horizontal Beam 2.00m Ø48.3mm tube	1506.0	472.0	404.6 x 2	37.5
TO HB175	1.75 / 5’ 9”	Horizontal Beam 1.75m Ø48.3mm tube	2315.1	876.6	629.4 x 2	25.1
TO HB125	1.50 / 4’ 11”	Horizontal Beam 1.25m Ø48.3mm tube	3798.6	1528.4	1236.2 x 2	17.9
TO HB100	1.25 / 4’ 1 1/4”	Horizontal Beam 1.00m Ø48.3mm tube	4720.2	1843.1	1393.6 x 2	14.9

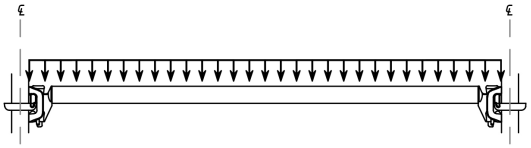
⚠ Ensure cup capacity is not exceeded



Load Conditions on Horizontals

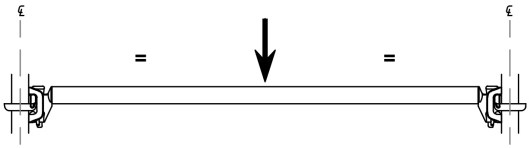
UDL = Uniform Load (lbs)

In this condition both horizontals and beams are rigidly held laterally by the OCTO platforms or similar



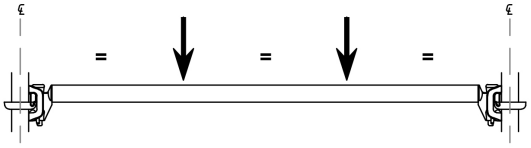
P1 = Point Load on Centre (lbs)

In this condition the horizontals / beams are held at the end points only(No lateral restraint)



P2 = Point Load on Third Points (lbs)

In this condition the horizontals / beams are held at the end points only (No lateral restraint)

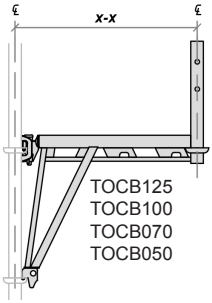


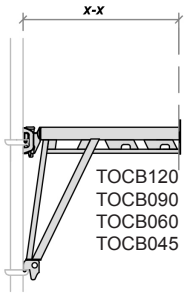
3.2.5 Cantilever Brackets

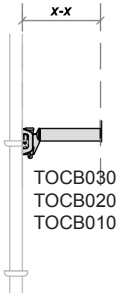
Code		x - x (m)/ (‘,”)	Description	UDL (lbs)	P1 (lbs)	Weight (lbs)
TO	CB120	1.20 / 3’ 11 1/4”	Cantilever Bracket 1.20m	1146.3	449.5	21.6
TO	CB090	0.90 / 2’ 11 1/2”	Cantilever Bracket 0.90m	1348.6	539.4	19.2
TO	CB060	0.60 / 1’ 11 1/2”	Cantilever Bracket 0.60m	2450.0	1146.3	16.3
TO	CB045	0.45 / 1’ 5 3/4”	Cantilever Bracket 0.45m	*5776.6	1618.3	14.3
TO	CB030	0.30 / 11 3/4”	Cantilever Bracket 0.30m	696.8	359.6	7.3
TO	CB020	0.20 / 7 3/4“	Cantilever Bracket 0.20m	1101.4	561.9	4.0
TO	CB010	0.10 / 4”	Cantilever Bracket 0.10m	1933.0	1281.2	2.9
TO	CB125	1.25 / 4’ 1 1/4”	Cantilever Bracket 1.25m with cup	876.6	359.6	21.6
TO	CB100	1.00 / 3’ 3 1/4”	Cantilever Bracket 1.00m with cup	1191.3	472.0	19.2
TO	CB070	0.70 / 2’ 3 1/2”	Cantilever Bracket 0.70m with cup	2225.2	876.6	16.3
TO	CB050	0.50 / 1’ 7 3/4”	Cantilever Bracket 0.50m with cup	*4203.2	1393.6	14.3

⚠ Ensure cup capacity is not exceeded

Cantilever Identification



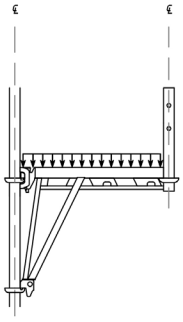




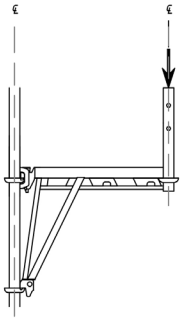
Load Conditions

In each load case the outer ends of the cantilever brackets are considered to be held laterally by either a horizontal or at least by OCTO locked platforms.

UDL = Uniform Load (lbs)

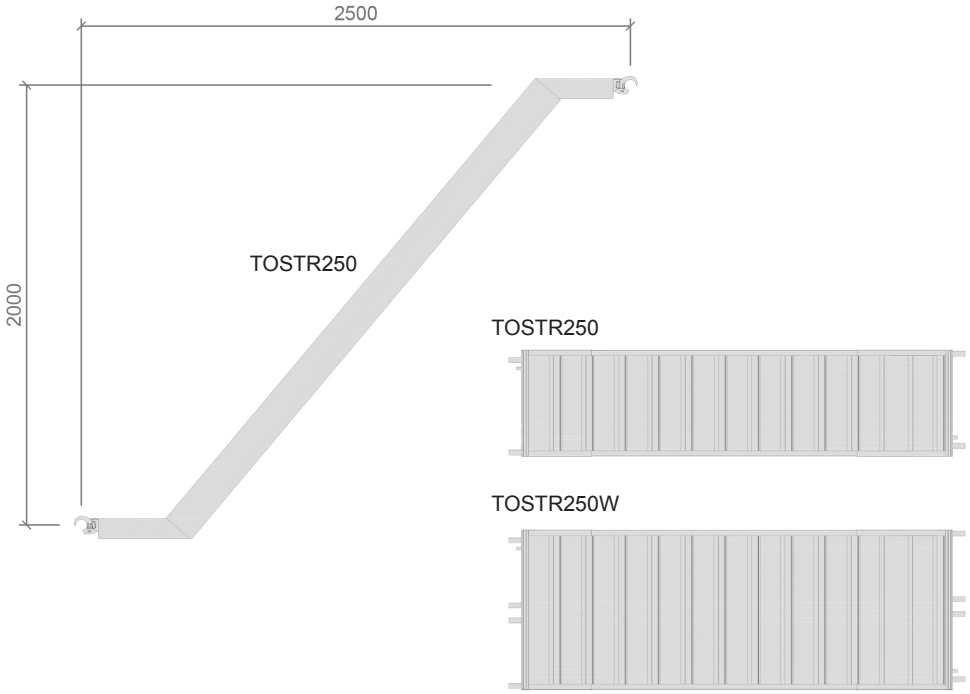


P1 = Point Load at End (lbs)



3.2.6 Aluminum Stair

Code	Description	Weight (lbs)
TO STR250	Stair Alloy 2.50m x 2.0m	66.14
TO STR250W	Stair Alloy 2.50m x 2.00m x 0.90m Wide	83.80



Load Conditions

Independent tower (anchored) or tower integrated into a scaffolding:-

- Permissible live load for the TOSTR250: **= 75 lbs/ft**
- Permissible live load for the TOSTR250W: **= 50 lbs/ft**

3.2.7 Aluminum Decks with Plywood

Code	Description	Stile Type	Designated North American Class	Weight (lbs)
TO D350	Deck 3.50m W=0.45m (Alloy Plywood)	C	HEAVY	48.3
TO D300	Deck 3.00m W=0.45m (Alloy Plywood)	B	HEAVY	42.6
TO D250	Deck 2.50m W=0.45m (Alloy Plywood)	A	HEAVY	36.8
TO D200	Deck 2.00m W=0.45m (Alloy Plywood)	A	HEAVY	30.9
TO D175	Deck 1.75m W=0.45m (Alloy Plywood)	A	HEAVY	27.6
TO D150	Deck 1.50m W=0.45m (Alloy Plywood)	A	HEAVY	24.7
TO D125	Deck 1.25m W=0.45m (Alloy Plywood)	A	HEAVY	22.1
TO D100	Deck 1.00m W=0.45m (Alloy Plywood)	A	HEAVY	18.3
TO D070	Deck 0.70m W=0.45m (Alloy Plywood)	A	HEAVY	16.1
TO D050	Deck 0.50m W=0.45m (Alloy Plywood)	A	HEAVY	8.2

NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT

TOD350

Aluminum Decks with Plywood - Narrow

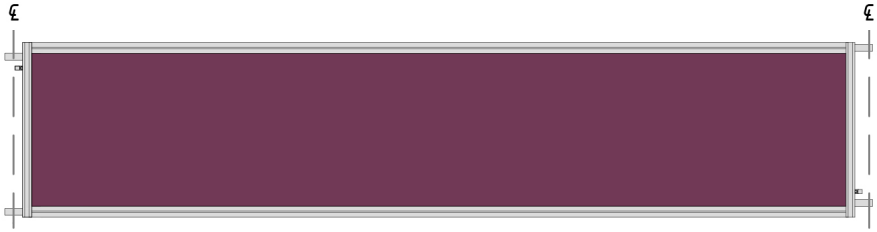
Code	Description	Stile Type	Designated North American Class	Weight (lbs)
TO D350N	Deck 3.50m Narrow W=0.30m (Alloy Plywood)	C	HEAVY	41.2
TO D300N	Deck 3.00m Narrow W=0.30m (Alloy Plywood)	B	HEAVY	36.4
TO D250N	Deck 2.50m Narrow W=0.30m (Alloy Plywood)	A	HEAVY	31.5
TO D200N	Deck 2.00m Narrow W=0.30m (Alloy Plywood)	A	HEAVY	26.5
TO D175N	Deck 1.75m Narrow W=0.30m (Alloy Plywood)	A	HEAVY	23.6
TO D150N	Deck 1.50m Narrow W=0.30m (Alloy Plywood)	A	HEAVY	21.2
TO D125N	Deck 1.25m Narrow W=0.30m (Alloy Plywood)	A	HEAVY	18.7
TO D100N	Deck 1.00m Narrow W=0.30m (Alloy Plywood)	A	HEAVY	15.7
TO D070N	Deck 0.70m Narrow W=0.30m (Alloy Plywood)	A	HEAVY	13.9
TO D050N	Deck 0.50m Narrow W=0.30m (Alloy Plywood)	A	HEAVY	13.7

NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT

Aluminum Decks with Plywood - Wide

Code	Description	Stile Type	Designated North American Class	Weight (lbs)
TO D350W	Deck 3.50m Wide W=0.60m (Alloy Plywood)	C	LIGHT	56.2
TO D300W	Deck 3.00m Wide W=0.60m (Alloy Plywood)	B	MEDIUM	46.1
TO D250W	Deck 2.50m Wide W=0.60m (Alloy Plywood)	A	MEDIUM	37.5
TO D200W	Deck 2.00m Wide W=0.60m (Alloy Plywood)	A	MEDIUM	30.9
TO D175W	Deck 1.75m Wide W=0.60m (Alloy Plywood)	A	MEDIUM	27.6
TO D150W	Deck 1.50m Wide W=0.60m (Alloy Plywood)	A	MEDIUM	24.2
TO D125W	Deck 1.25m Wide W=0.60m (Alloy Plywood)	A	MEDIUM	20.9
TO D100W	Deck 1.00m Wide W=0.60m (Alloy Plywood)	A	MEDIUM	17.6
TO D070W	Deck 0.70m Wide W=0.60m (Alloy Plywood)	A	MEDIUM	13.9
TO D050W	Deck 0.50m Wide W=0.60m (Alloy Plywood)	A	MEDIUM	11.0

NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT



TOD350W

3.2.8 Ladder Access Decks

Ladder Access (Ladder incorporated)

Code	Description	Stile Type	Designated North American Class	Weight (lbs)
TO DAL350	Deck Access Ladder 3.50m W=0.60m	C	LIGHT	66.2
TO DAL300	Deck Access Ladder 3.00m W=0.60m	B	MEDIUM	51.4
TO DAL250	Deck Access Ladder 2.50m W=0.60m	B	MEDIUM	44.8

NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT

TODAL350

Deck with Hatch (To be used with loose ladder)

Code	Description	Stile Type	Designated North American Class	Weight (lbs)
TO DH350	Deck Hatch 3.50m W=0.60m	B	LIGHT	56.9
TO DH300	Deck Hatch 3.00m W=0.60m	B	MEDIUM	46.8
TO DH250	Deck Hatch 2.50m W=0.60m	B	MEDIUM	42.2
TO DH200	Deck Hatch 2.00m W=0.60m	B	MEDIUM	31.6
TO DH175	Deck Hatch 1.75m W=0.60m	B	MEDIUM	28.3
TO DH150	Deck Hatch 1.50m W=0.60m	B	MEDIUM	24.9
TO DH125	Deck Hatch 1.25m W=0.60m	B	MEDIUM	21.6

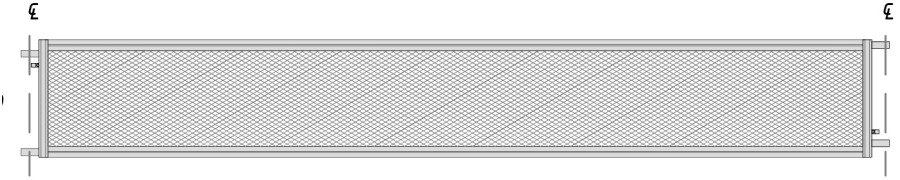
NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT

TODH350

3.2.9 Aluminum Decks with Steel Mesh

Code	Description	Stile Type	Designated North American Class	Weight (lbs)
TO DM350	Deck 3.50m W=0.45m (Alloy Steel Mesh)	C	HEAVY	70.6
TO DM300	Deck 3.00m W=0.45m (Alloy Steel Mesh)	B	HEAVY	57.8
TO DM250	Deck 2.50m W=0.45m (Alloy Steel Mesh)	A	HEAVY	47.4
TO DM200	Deck 2.00m W=0.45m (Alloy Steel Mesh)	A	HEAVY	40.8
TO DM175	Deck 1.75m W=0.45m (Alloy Steel Mesh)	A	HEAVY	34.2
TO DM150	Deck 1.50m W=0.45m (Alloy Steel Mesh)	A	HEAVY	30.0
TO DM125	Deck 1.25m W=0.45m (Alloy Steel Mesh)	A	HEAVY	25.4
TO DM100	Deck 1.00m W=0.45m (Alloy Steel Mesh)	A	HEAVY	20.7
TO DM070	Deck 0.70m W=0.45m (Alloy Steel Mesh)	A	HEAVY	15.4
TO DM050	Deck 0.50m W=0.45m (Alloy Steel Mesh)	A	HEAVY	11.7

NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT



TODM350

Aluminum Decks with Steel Mesh - Narrow

Code		Description	Stile Type	Designated North American Class	Weight (lbs)
TO	DM350N	Deck 3.50m Narrow W=0.30m (Alloy Steel Mesh)	C	HEAVY	54.5
TO	DM300N	Deck 3.00m Narrow W=0.30m (Alloy Steel Mesh)	B	HEAVY	43.9
TO	DM250N	Deck 2.50m Narrow W=0.30m (Alloy Steel Mesh)	A	HEAVY	35.9
TO	DM200N	Deck 2.00m Narrow W=0.30m (Alloy Steel Mesh)	A	HEAVY	31.1
TO	DM175N	Deck 1.75m Narrow W=0.30m (Alloy Steel Mesh)	A	HEAVY	26.0
TO	DM150N	Deck 1.50m Narrow W=0.30m (Alloy Steel Mesh)	A	HEAVY	22.7
TO	DM125N	Deck 1.25m Narrow W=0.30m (Alloy Steel Mesh)	A	HEAVY	19.4
TO	DM100N	Deck 1.00m Narrow W=0.30m (Alloy Steel Mesh)	A	HEAVY	16.1
TO	DM070N	Deck 0.70m Narrow W=0.30m (Alloy Steel Mesh)	A	HEAVY	12.3
TO	DM050N	Deck 0.50m Narrow W=0.30m (Alloy Steel Mesh)	A	HEAVY	9.5

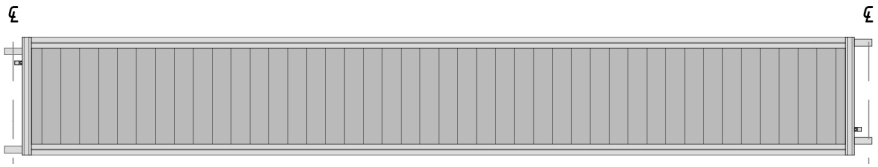
NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT

TODM350N

3.2.10 Aluminum Decks

Code	Description	Stile Type	Designated North American Class	Weight (lbs)
TO DA350	Deck 3.50m W=0.45m (Alloy Alloy)	C	MEDIUM	56.7
TO DA300	Deck 3.00m W=0.45m (Alloy Alloy)	B	MEDIUM	46.7
TO DA250	Deck 2.50m W=0.45m (Alloy Alloy)	A	HEAVY	37.9
TO DA200	Deck 2.00m W=0.45m (Alloy Alloy)	A	HEAVY	31.1
TO DA175	Deck 1.75m W=0.45m (Alloy Alloy)	A	HEAVY	27.6
TO DA150	Deck 1.50m W=0.45m (Alloy Alloy)	A	HEAVY	24.5
TO DA125	Deck 1.25m W=0.45m (Alloy Alloy)	A	HEAVY	20.9
TO DA100	Deck 1.00m W=0.45m (Alloy Alloy)	A	HEAVY	17.6
TO DA070	Deck 0.70m W=0.45m (Alloy Alloy)	A	HEAVY	13.7
TO DA050	Deck 0.50m W=0.45m (Alloy Alloy)	A	HEAVY	10.8

NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT

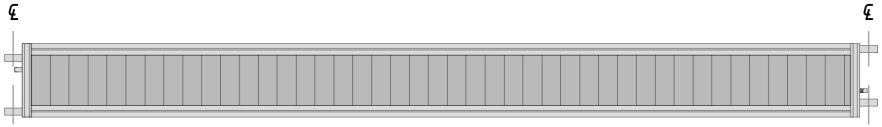


TODA350

Aluminum Decks - Narrow

Code	Description	Stile Type	Designated North American Class	Weight (lbs)
TO DA350N	Deck 3.50m Narrow W=0.30m (Alloy Alloy)	C	HEAVY	46.2
TO DA300N	Deck 3.00m Narrow W=0.30m (Alloy Alloy)	B	HEAVY	37.9
TO DA250N	Deck 2.50m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	30.4
TO DA200N	Deck 2.00m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	25.1
TO DA175N	Deck 1.75m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	22.5
TO DA150N	Deck 1.50m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	19.9
TO DA125N	Deck 1.25m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	17.2
TO DA100N	Deck 1.00m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	14.6
TO DA070N	Deck 0.70m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	11.2
TO DA050N	Deck 0.50m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	9.0

NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT

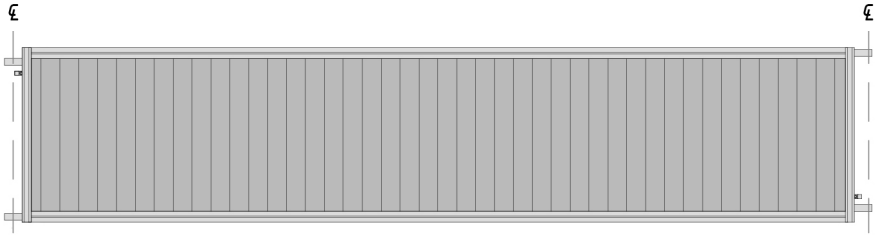


TODA350N

Aluminum Decks - Wide

Code	Description	Stile Type	Designated North American Class	Weight (lbs)
TO DA350N	Deck 3.50m Narrow W=0.30m (Alloy Alloy)	C	HEAVY	66.7
TO DA300N	Deck 3.00m Narrow W=0.30m (Alloy Alloy)	B	HEAVY	55.8
TO DA250N	Deck 2.50m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	45.2
TO DA200N	Deck 2.00m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	37.0
TO DA175N	Deck 1.75m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	33.5
TO DA150N	Deck 1.50m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	29.1
TO DA125N	Deck 1.25m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	24.9
TO DA100N	Deck 1.00m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	20.7
TO DA070N	Deck 0.70m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	16.1
TO DA050N	Deck 0.50m Narrow W=0.30m (Alloy Alloy)	A	HEAVY	12.6

NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT

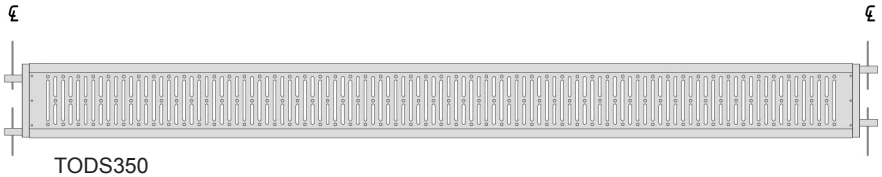


DA350W

3.2.11 Steel Decks

Code	Description	Designated North American Class	Weight (lbs)
TO DS350	Deck 3.50m W=0.30m (Steel)	MEDIUM	51.7
TO DS300	Deck 3.00m W=0.30m (Steel)	MEDIUM	42.4
TO DS250	Deck 2.50m W=0.30m (Steel)	HEAVY	34.0
TO DS200	Deck 2.00m W=0.30m (Steel)	HEAVY	27.5
TO DS175	Deck 1.75m W=0.30m (Steel)	HEAVY	24.9
TO DS150	Deck 1.50m W=0.30m (Steel)	HEAVY	22.2
TO DS125	Deck 1.25m W=0.30m (Steel)	HEAVY	19.5
TO DS100	Deck 1.00m W=0.30m (Steel)	HEAVY	16.9
TO DS070	Deck 0.70m W=0.30m (Steel)	HEAVY	13.5
TO DS050	Deck 0.50m W=0.30m (Steel)	HEAVY	11.6

NORTH AMERICAN LOAD RATINGS - i) 75lbs/sq.ft - HEAVY. ii) 50lbs/sq.ft - MEDIUM. iii) 25lbs/sq.ft - LIGHT



TODS350

3.3 CONVERSION TABLE

Metric		Imperial
Length (m)		Length (Ft, Inches)
4.00		13' 1 1/2"
3.50		11' 5 3/4"
3.00		9' 10"
2.50		8' 2 1/2"
2.00		6' 6 3/4"
1.75		5' 9"
1.50		4' 11"
1.25		4' 1 1/4"
1.00		3' 3 1/4"
0.70		2' 3 1/2"
0.50		1' 7 3/4"
0.35		1' 1 3/4"
0.30		11 3/4"
0.25		7 3/4"

3.4 REFERENCES

- BRITISH STANDARD BS EN 12811 (2003): *Parts 1 & 2 Temporary Works Equipment*
- BRITISH STANDARD BS EN 12810 (2003): *Parts 1, 2 and 3 Façade Scaffolds made of Prefabricated Components*

NOTES: