

R·M·D KWIKFORM

Middle East Head Office PO Box 5801, Sharjah, UAE. T: +971 6 553 4173 F: +971 6 553 4327 E: rmd.me@rmdkwikform.com



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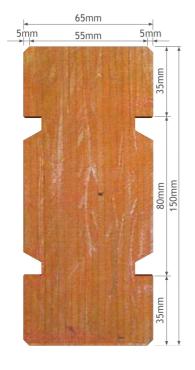


COMPONENTS REFERENCE GUIDE

SHEE	WEIGHT (kg)	DESCRIPTION	CODE
	0.58	GTX TO SOLDIER CLAMP - EYE BOLT	GTX10001
	6.6	GTX BEAM - 1200mm	GTM11200
	9.9	GTX BEAM - 1800mm	GTX11800
	11.55	GTX BEAM - 2100mm	GTM12100
	13.2	GTX BEAM - 2400mm	GTX12400
	14.85	GTX BEAM - 2700mm	GTM12700
	16.5	GTX BEAM - 3000mm	GTX13000
	18.15	GTX BEAM - 3300mm	GTM13300
	19.8	GTX BEAM - 3600mm	GTX13600
	23.1	GTX BEAM - 4200mm	GTX14200
	26.4	GTX BEAM - 4800mm	GTX14800
	29.7	GTX BEAM - 5400mm	GTX15400
	33.0	GTX BEAM - 6000mm (Actual length = 5950mm)	GTX16000
	0.57	GTX CLAMP HOLDER	GTM20001
	0.35	GTX SPANNER	GTM20002
	0.45	GTX RESTRAINT STRAP	GTX10007
	0.013	TURBO COACH SCREW	BNX00008
	0.2	GTX CLEAT	GTM00005
	0.5	GTX TO ALBEAM CONNECTION	GTM00007
	0.013	GTX CLEAT D/H NAIL 3x35mm (1KG = 350no. approx.)	GTM00010
	6.18	ALFORM CORNER STRAP	AFX20010
	0.67	GTX RESTRAINT UNIT ASSEMBLY	GTX10006
ı	2.4	GTX CORNER SOLDIER CLAMP	GTM00009
	14.26	GTX OUTSIDE CORNER 1200mm	GTM00008
	8.5	GTX BEAM GUARDRAIL POST	GTM00004
	1.9	GTX LIFTING UNIT	GTM00011
	9.9	ALFORM BEAM HANDRAIL POST	AFA10025
	0.36	RAPIDTIE KNOCK ON WING NUT (15mm)	BTX10001
	1.76	RAPIDTIE HD WALER PLATE	BTX10004
	0.16	RAPIDTIE HEXAGON NUT	BTX10017
-	0.41	RAPID BAR TIE CONNECTOR	BTX10015
1	16.5	SUPERSLIM STRIPPING CORNER 900mm	SSM20900
1	33.0	SUPERSLIM STRIPPING CORNER 1800mm	SSM21800
1	49.0	SUPERSLIM STRIPPING CORNER 2700mm	SSM22700
1	65.0	SUPERSLIM STRIPPING CORNER 3600mm	SSM23600
1	21.5	SUPERSLIM CORNER SOLDIER 900mm	SSM10900
1	43.0	SUPERSLIM CORNER SOLDIER 1800mm	SSM11800
1	64.0	SUPERSLIM CORNER SOLDIER 2700mm	SSM12700
1	85.0	SUPERSLIM CORNER SOLDIER 3600mm	SSM13600



GTX BEAM TECHNICAL DATA



INTRODUCTION

The GTX beam is a structural laminated veneer timber beam for use as a primary or secondary bearer in a wide range of formwork and shoring applications. The GTX beam is manufactured using 3mm Radiata Pine veneer, individually graded for stiffness, arranged in a predetermined pattern and phenolically bonded for consistent and predictable engineered performance.

BEAM PROPERTIES	
Gross Area	94cm ²
Flexural Rigidity EI	186kNm²
Maximum Bending Moment xx	6.14kNm
Max Shear Load	25.8kN
Self Weight	5.50kg/m
Overall Depth of Section	150mm
Overall Width of Section	65mm
Minimum Factor of Safety	2
Shear Stiffness, GA	3932kN

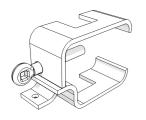
Note:

Bearing on the top or bottom faces 6.6N/mm². See sheet 14 for allowable end reactions.

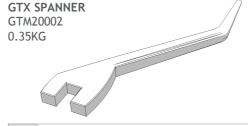
ACCESSORIES

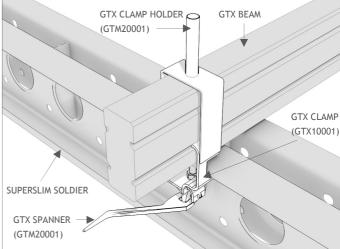
A range of accessories to complement the GTX beam is also available, including clamps for fixing stop ends, external corners of wall shutters and handrail attachments for soffit applications.

GTX TO SOLDER CLAMP - EYE BOLT GTX10001 0.58KG



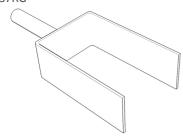
AWL TENSION = 2.0KN AWL SLIP ALONG GTX = 1.0KN AWL SLIP ALONG S/SLIM = 0.8kN





GTX CLAMP HOLDER

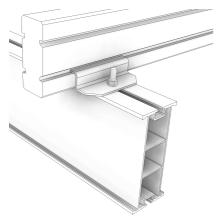




Used to hold clamp in position while tightening.



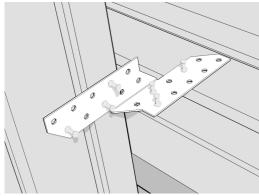
GTX TO ALBEAM CONNECTION GTM00007 0.5KG



This assembly requires:

- 1 x GTX to Albeam Connection(GTM00007)
- 1 x M12 Hex Nut(BNM00012)
- 1 x M12 Unifix Bolt (AFX20022)





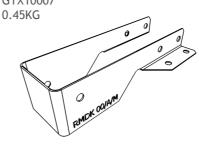
This assembly requires:

1 x GTX Cleat (GTM00005), Note each box supplied contains 50% left and 50% right handed versions.

6 x GTX Cleat DH Nail per Cleat

GTX Cleat DH Nail - 1KG (GTM00010) 350no. per KG

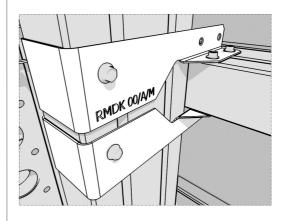
GTX RESTRAINT STRAP GTX10007



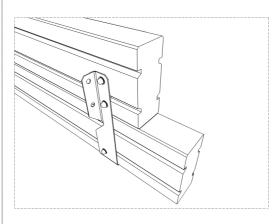
12.5kN AWL in tension per pair as in detail below. Used to secure vertical GTX members in position. Fixed using Turbo Coach Screw.



M8 x 50 TURBO COACH SCREW BNX00008 0.013KG



This assembly requires: 2 x Restraint Strap (GTX10007) 12 x Turbo Coach Screw (BNX00008)



The Restraint Strap can also be used to join two GTX Beams together as shown.

MIDDLE EAST DATA

ME-TD-GT-001

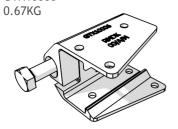
DATE OF ISSUE: 20.05.2018

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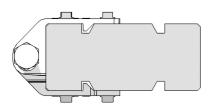
SHEET 5

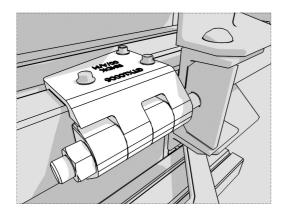


GTX RESTRAINT UNIT ASSEMBLY GTX10006



Used in pairs to provide a secure fixing for straight joints and corner applications. Position 150mm minimum from beam end. Fixed using Turbo Coach Screws (BNX00008) 6 No. AWL through bolt is 20kN.

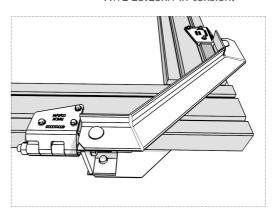




This assembly requires: 2 x Restraint Unit (GTX10006) 6 x Turbo Coach Screw (BNX00008)

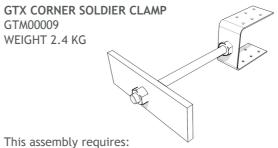
ALFORM CORNER STRAP AFX20010 6.18KG

AWL 28.28kN in tension.

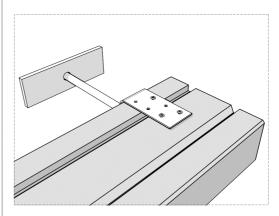


This assembly requires:

- 4 X Restraint Units (GTX10006)
- 1 x Alform Corner Strap (AFX20010)
- 2 x M16 x 150 Gr 8.8 Set Pin (BNM21615)
- 2 x M16 Hex Nut (BNM00016)
- 12 x Turbo Coach Screw (BNX00008)

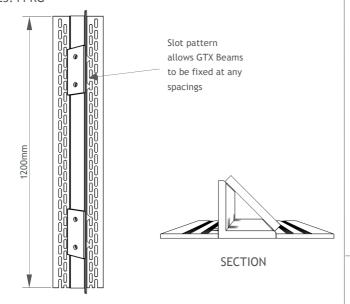


- 1 X GTX Corner Soldier Clamp (GTM00009)
- 6 x 4mm x 40mm Countersunk Screw





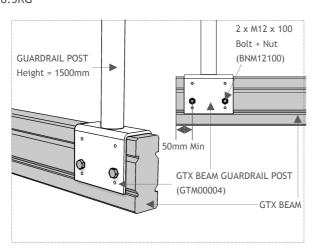
GTX OUTSIDE CORNER 1200 GTM00008 23.44 KG



This assembly requires:

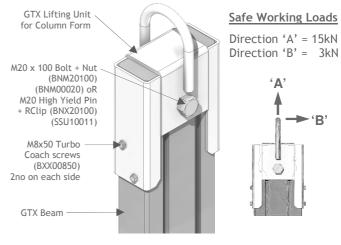
- 2 x GTX Outside Corners (GTM00008)
- 2 X Turbo Coach Screw (BNX00008) Per Beam
- 2 X M10 Washer (BNU10002) Per Beam
- > Minimises the number of corner ties.
- > Eliminates grout leakage in the corner.
- > Able to be fixed for various spacing of GTX beams.
- > Corner ties always placed between the GTX beam.
- > Tie is installed @ 45° to corner.
- > Normal ties to be kept as close to corner as possible.

GTX BEAM GUARDRAIL POST GTM00004 8.5KG

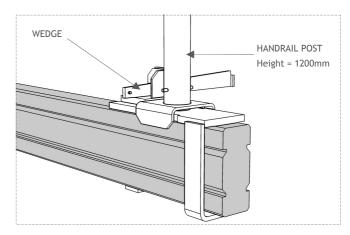


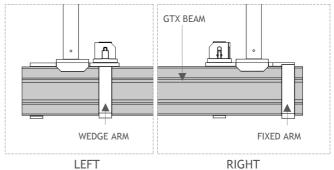
GTX LIFTING UNIT - MKII GTM00013

3.4KG



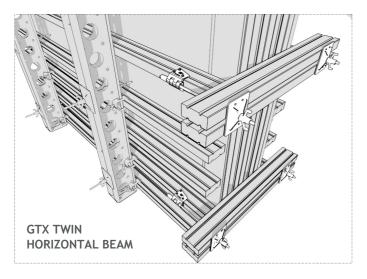
ALFORM BEAM HANDRAIL POST AFA10025 (Painted) or AFM90025 (Galvanized) 9.9KG

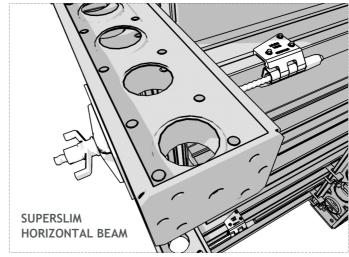






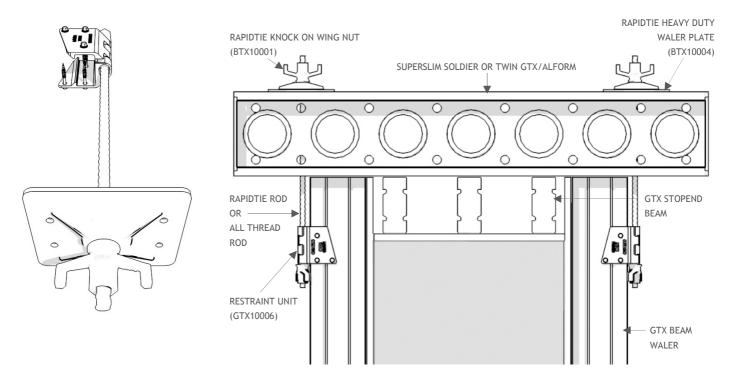
FIXING DETAILS 1: STOP END DETAILS





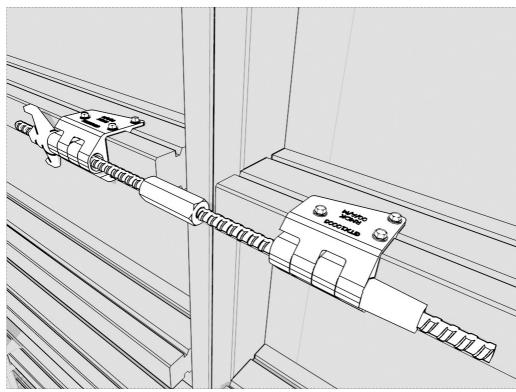
AWL CLAMP = 20KN



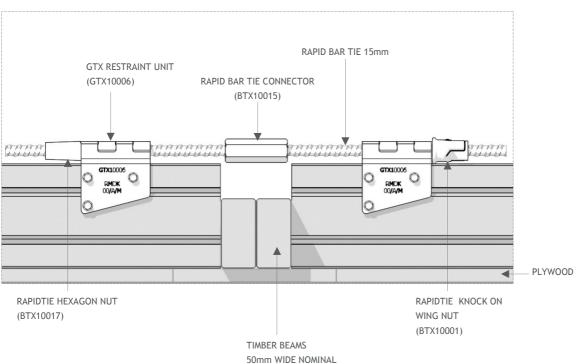




FIXING DETAILS 2: METHOD OF HOLDING TWO SHUTTERS TOGETHER (each shutter crane handled separately)



STRAIGHT CONNECTIONWing Nut used to prevent rotation





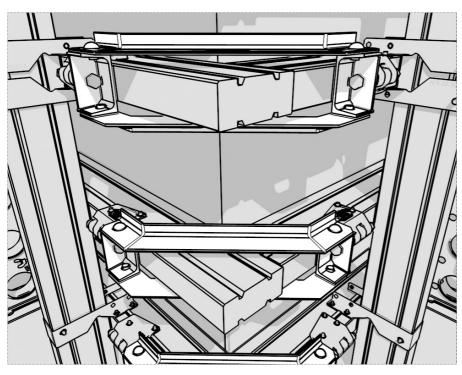


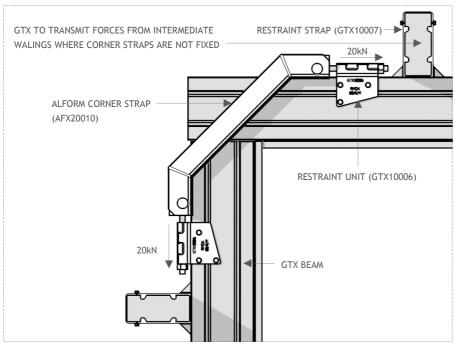
FIXING DETAILS 3: LIGHT DUTY EXTERNAL CORNER

Spacing depends on soldier positions.

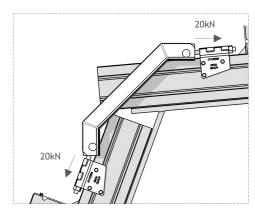
Spacings may be increased as concrete pressure reduces towards top of shutter.

Please note it is recommended that straps are always fitted to the bottom 3 walings.





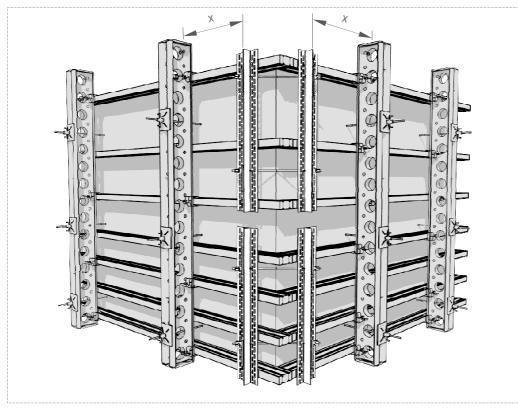
Where external corners are not rectangular, maximum load dependant upon maximum Lok-Clamp load of 20kN.



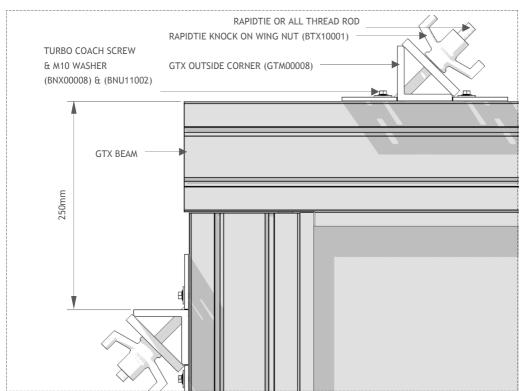




FIXING DETAILS 4: GTX OUTSIDE CORNER

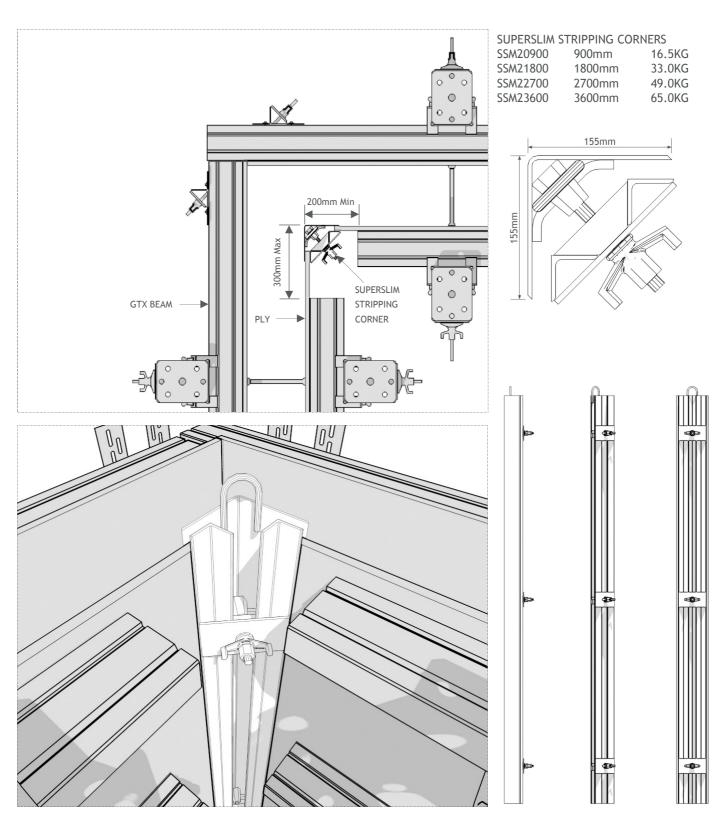


SPACING X	ALLOWABLE CONCRETE PRESSURE
600mm	80 KN/m ²
900mm	55 KN/m²
1200mm	40 KN/m²
1500mm	30 KN/m ²



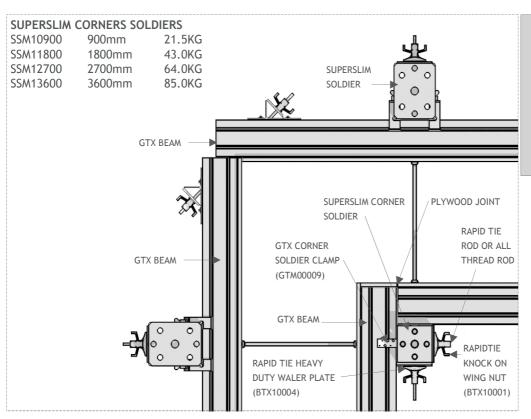


FIXING DETAILS 5: INTERNAL STRIPPING CORNERS





FIXING DETAILS 6: CORNER SOLDIERS



SPECIFICATIONS & PROPERTIES

Allowable Tie Load

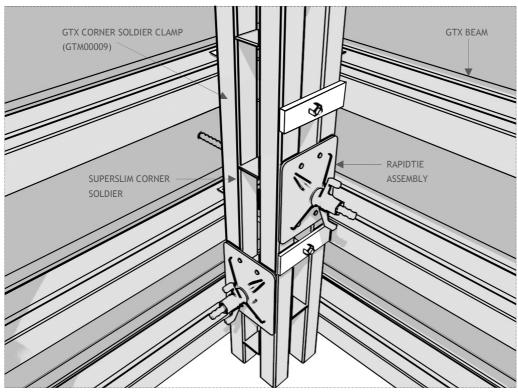
= 50 KN

Allowable Bending Moment

= 9.3 KNm

Flexural Rigidity EI

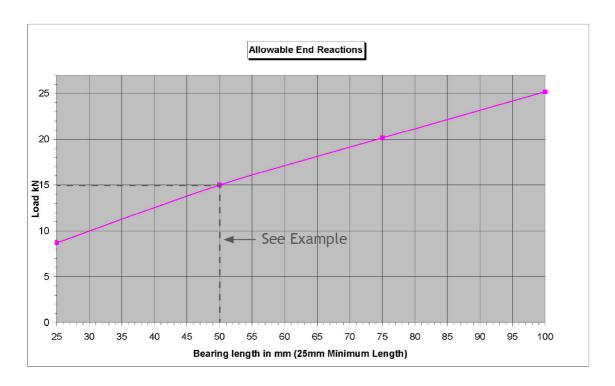
= 962 KN/m²







ALLOWABLE END REACTIONS



Example: Explanation of 50 bearing length is 15kN per GTX.

