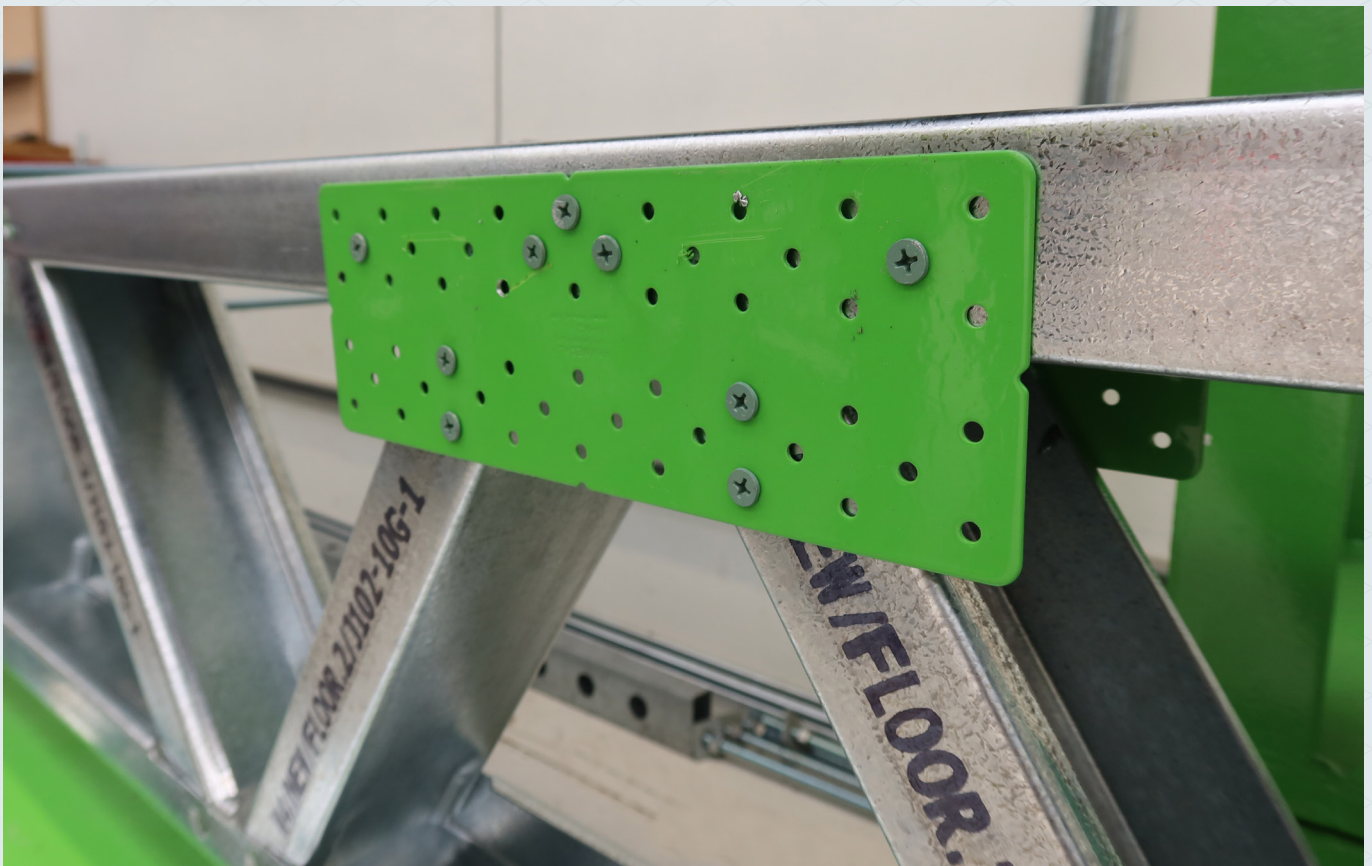




FRAMECAD Building Components

# Connectors for Steel Framed Construction



For more information, details or a quote, please contact us at: [framecad.com/contact-us](https://framecad.com/contact-us)

FRAMECAD Connectors are designed for speed, suitability, and performance.

Each one is a key component in delivering the most advanced and complete end-to-end steel frame building solution in the world.

The range includes connectors for steel truss, wall and joist assembly required for construction. FRAMECAD connectors are designed with 4 main objectives - Design, Speed, Suitability, and Performance.

**DESIGN:**

Ease of design with correct information specified in FRAMECAD Software to deliver robust and reliable structures.

**SPEED:**

All connectors have been selected to optimise the speed and efficiency of the FRAMECAD building system. Using FRAMECAD screws reduces labour costs by making it quicker and easier to fix screws consistently, helping business reach optimum production rates, both in the factory and on-site.

**SUITABILITY:**

As the world leader in Cold Formed Steel construction technology FRAMECAD has developed FRAMECAD Connectors to further improve and advance this construction system.

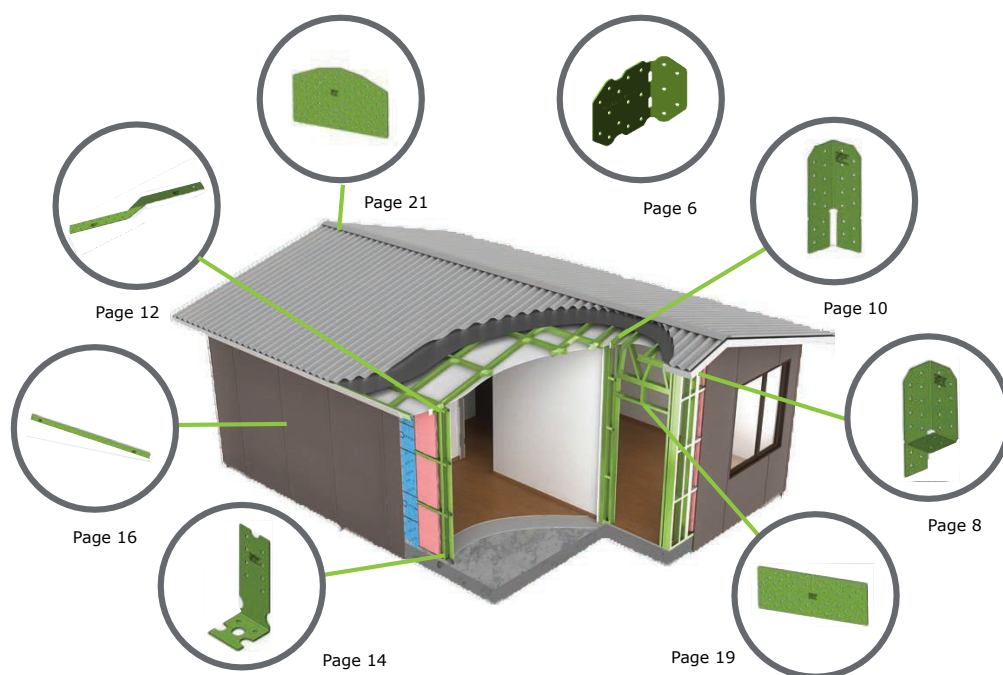
The protective green powder coating makes identification of FRAMECAD connectors easy during construction to ensure correct location and installation.

The specified FRAMECAD Fasteners form a critical part of the connector's tested performance and substitution with noncompliant screws or components may compromise the integrity of the structure.

**PERFORMANCE:**

The design capacity of the connector range has been calculated in accordance with AS/NZ 4600:2018 and AISI S100:2020. FRAMECAD Fasteners have been tested according to the AS/NZS 4600:2018 and AISI S100:2020 to ensure they perform effectively with the FRAMECAD Building System as well as complying to all relevant manufacturing standards.

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## Compliance

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### FRAMECAD Certified



FRAMECAD Connectors are manufactured from steel complying with AS/NZ 1397 G350 & ASTM A653M HSLAS Type A Grade 340 with a galvanized coating of Z275 and further protected with a FRAMECAD long life green protection coating for further corrosion protection.

The design capacity of the connector range has been calculated in accordance with AS/NZ 4600:2018 and AISI S100:2020.

FRAMECAD fasteners have been tested in accordance with AS/NZ 4600:2018 and AISI S100:2020 and are manufactured in ISO 9001 certified facilities.

Constructions using FRAMECAD products must be built in accordance with local, national or international building regulations.

FRAMECAD products are FRAMECAD Certified and with the ratings published in this guide provided they are designed, installed and used in accordance with this guide and signed off by a locally registered engineer.

### Substitution



The performance of FRAMECAD connection solutions is sensitive to design detailing, products used and construction practices. All FRAMECAD connection solutions have been developed specifically for use with the FRAMECAD cold formed steel framing system and tested and assessed to ensure the required level of performance.

It is important to use only FRAMECAD branded components where specified and closely follow the design details and construction practices, so you can be confident that the required level of structural performance is achieved on site.

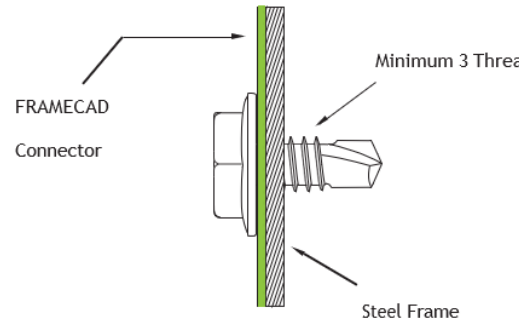
## Installation

### FRAMECAD Erection Fasteners

FRAMECAD Erection Fasteners have a Drill Point capable of drilling into medium to heavy gauge steel.

For successful connection the screw must be of sufficient length to ensure at least 3 threads are protruding through the fastened material.

The Drill Point length must be greater than the total thickness of both fixture and substrate (including any spaces or gaps) being fixed.

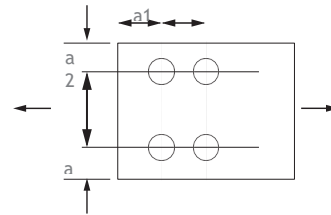


### Where to Screw, Fasteners Spacing, End and Edge Distance Requirement

Min edge distance ( $a_2$ ) =  $1.5d_f$  (approximately 8mm for 10g screws) Min Spacing ( $b_1$  or  $b_2$ ) =  $3.0d_f$  (approximately 15mm for 10g screws) Where  $d_f$  = Nominal screw diameter (mm)

#### Notes:

- The end distance is the distance to the edge of the steel measured in the direction of the applied force.
- To avoid tearing, the minimal end distance,  $a_1$ , for our connector range is 8mm, unless otherwise specified.
- Use only the specified FRAMECAD connectors and specified FRAMECAD fastener type and quantity.
- Do not over load the joints or connectors.
- Any gaps in joints between steel members must not exceed 1.5mm.
- Do not weld connectors or drill additional fastener holes.
- Do not overtighten screws. Screws must be of sufficient length to ensure at least 3 threads protrude through the fastened material.



### FRAMECAD Cold Formed Steel Specification

Cold formed steel frame material design yield ( $F_y$ ) and tensile ( $F_u$ ) strengths are defined in the table below.

		<b><math>F_y</math> (MPa)</b>					<b><math>F_u</math> (MPa)</b>				
		Frame Material Thickness BMT (mm)					Frame material thickness BMT (mm)				
AS 1397	ASTM A653	0.55	0.75	0.95	1.15	1.55	0.55	0.75	0.95	1.15	1.55
G350	50	N/A	350	350	350	350	N/A	420	420	420	420
G500	70	N/A	500	500	500	N/A	N/A	520	520	520	N/A
G550	80	410	495	550	N/A	N/A	410	495	550	N/A	N/A

## Multi Plate Connector MP-A1

### Application:

Connector bracket suitable for a wide range of Frame to Frame connections. Ideal for erection of hip and valley roof trusses. Supplied with 45 degree pre bend, adjustable from 0 to 135 degrees (bend once only).

Patent Protected.

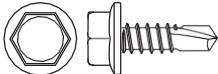
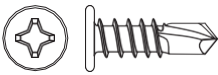
<b>Code</b>	116975
<b>Profile</b>	
<b>Steel Grade</b>	G300: t = 1.5mm BMT*
<b>Application</b>	Steel Frame: t = 0.75 to 1.15mm BMT*
<b>Finish</b>	Galvanized Z275 with Green Corrosion Protection
<b>Packaging</b>	50 units per carton

\* BMT = Base Material Thickness

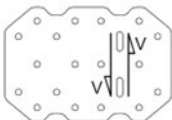
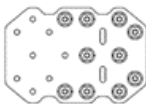
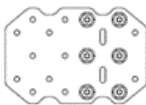
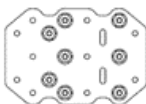
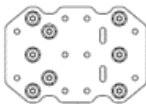
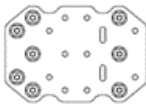
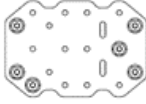
### Installation:

Use FRAMECAD Certified HEX Head or for applications that require a flush finish use FRAMECAD Flat Head Screws.

For Screw numbers please refer to engineers' specifications.

Product	Order Code	Size	Description	Carton Qty
<b>HWH FrameFix DP</b>	Ideal for panel to panel fixing during frame erection and for fixing connectors.			
	307387	10g x 19mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
	002409	12g x 25mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
<b>FRAMECAD Flathead</b>	Ideal for connecting metal strapping or bracing and adding additional strength to connectors.			
	001539	10g x 16mm	FRAMECAD Flathead DP, 1000hrs, Loose	10,000

## Multi Plate Connector Design Capacity

				Shear Force (kN): AS/NZS 4600		
Fixing Method			Framing Material			
10gx19 mm HWH FrameFix DP			AS - 1397: 2021			
				Steel Thickness		
Screw Pattern	Screw Location	Total No. Screws	Steel Grade	0.75mm BMT	0.95mm BMT	1.15mm BMT
JFA		10	G500	4.9	6.8	7.5
			G550	4.6	6.8	-
			G350	3.9	5.6	7.3
JFB		6	G500	3.8	5.4	6.8
			G550	3.6	5.4	-
			G350	3.1	4.4	5.8
JFC		8	G500	3.2	4.5	5.7
			G550	3.0	4.5	-
			G350	2.6	3.7	4.8
JFD		8	G500	2.7	3.7	4.8
			G550	2.5	3.7	-
			G350	2.1	3.1	4.0
JFE		8	G500	2.0	2.9	3.6
			G550	1.9	2.9	-
			G350	1.6	2.3	3.1
JFF		6	G500	1.0	1.4	1.8
			G550	0.9	1.4	-
			G350	0.8	1.2	1.5

## Ordering and Packaging

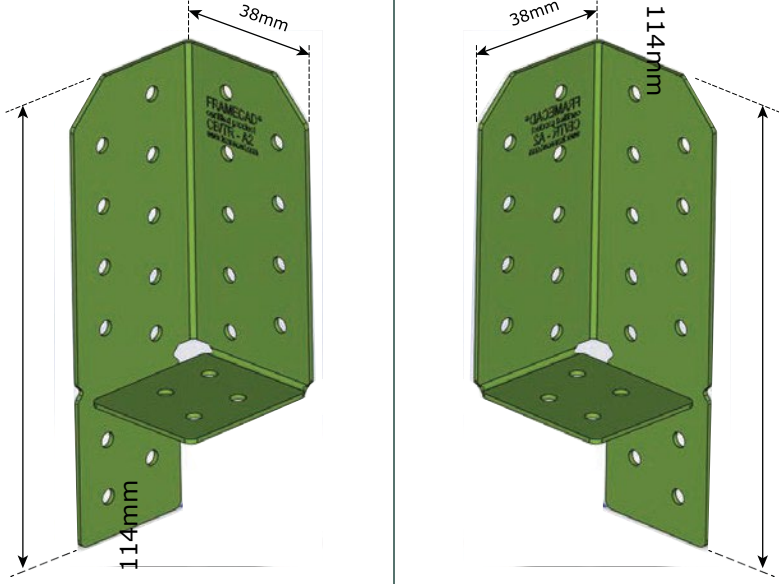
Code	Description	Qty
<b>116975</b>	MP-A1 – Multi Plate Connector 1.5mm	50



## Tri Fix Tie-down TF/R-A2 | TF/L-A2

### Application:

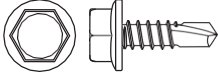
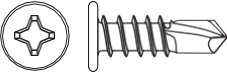
Used to tie-down roof trusses, joists or rafters to the wall frame. Can also be used in cyclonic environments when fixed on both sides of the wall plate, with appropriate plate to stud fixing.

Code	009808 (Left)	009806 (Right)
Profile		
Steel Grade	G350 t = 1.15mm BMT*	
Application	Steel Frame: 0.75 to 1.55mm BMT*	
Finish	Galvanized Z275 with Green Corrosion Protection	
Packaging	50 units total, 25 each of Left and Right	

\* BMT = Base Material Thickness

### Installation:

Use FRAMECAD Certified Hex Head screws or, for applications that require a flush finish, use FRAMECAD Flathead screws. For quantity of screws refer to the Design Capacities Tables.

Product	Order Code	Size	Description	Carton Qty
<b>HWH FrameFix DP</b>	Ideal for panel to panel fixing during frame erection and for fixing connectors.			
	307387	10g x 19mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
<b>FRAMECAD Flathead</b>	Ideal for connecting metal strapping or bracing and adding additional strength to connectors.			
	001539	10g x 16mm	FRAMECAD Flathead DP, 1000hrs, Loose	10,000



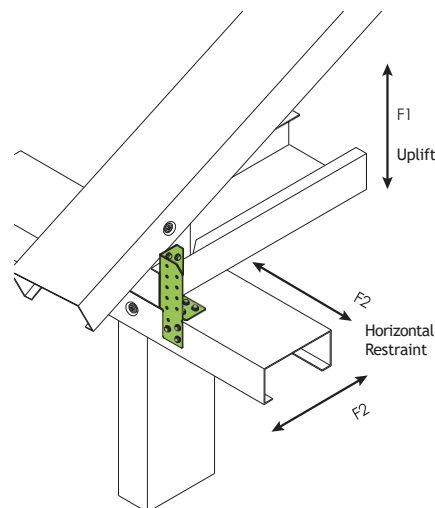
## Tri Fix Design Capacities

Design Capacity - LRFD Force (kN)				AS/NZS 4600 / AISI S100								
Code	Bracket Gauge	Steel Grade (Framing)	Number of screws required (Uplift Restraint)	Steel Thickness Framing (BMT)								Total Screws
				0.75mm		0.95mm		1.15mm		1.55mm		
				F1	F2	F1	F2	F1	F2	F1	F2	
009806 & 009808	1.15mm	G350	2 – 10g	2.5	2.5	3.6	3.6	4.8	4.8	6.1	5.1*	6
			3 – 10g	3.8	2.5	5.4	3.6	7.1	4.8	9.1	5.1*	8
		G500	2 – 10g	3.1	3.1	4.4	4.4	5.9	5.1*	N/A	N/A	6
			3 – 10g	4.7	3.1	6.6	4.4	8.9	5.1*	N/A	N/A	8
		G550	2 – 10g	3.0	3.0	4.4	4.4	N/A	N/A	N/A	N/A	6
			3 – 10g	4.5	3.0	6.6	4.4	N/A	N/A	N/A	N/A	8

1. Not all fastener holes need to be filled, additional fastener holes are provided to give options for screw location.
2. LRFD Force is the LRFD Design capacity according to AISI S100 and equal to the Ultimate Limit State (ULS) design capacity according to AS/NZS 4600.
3. The nominal shear strength of the connection is limited by tearing when critical, with a minimum edge distance of 8mm.
4. A minimum of 2 screws must be used for horizontal restraint.
5. \*Connection capacity is limited by the steel strength of the Bracket.

## Ordering and Packaging

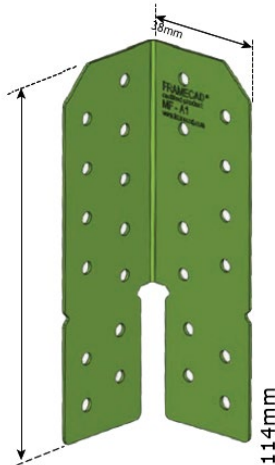
Code	Description	Qty
<b>009806</b>	TF/R-A2 - Tri Fix Right - 1.15mm	25
	TF/L-A2 - Tri Fix Left - 1.15mm	25



## Multi Fix Connector MF-A2

### Application:

Can be used as a 90 degree angle or either leg can be bent to be adapted to a type of 'Tri Fix'. This allows maximum flexibility in installation and application. This connector is typically used to tie down roof trusses, rafters and/or to connect trusses together.

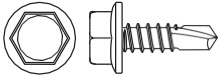
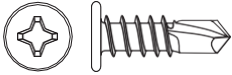
<b>Code</b>	313459
<b>Profile</b>	
<b>Steel Grade</b>	G350 t = 1.15mm BMT *
<b>Application</b>	Steel Frame: 0.75 to 1.55mm BMT *
<b>Finish</b>	Galvanized Z275 with Green Corrosion Protection
<b>Packaging</b>	50 units of each type

\* BMT = Base Material Thickness

### Installation:

The bending slot allows easy and accurate bending on site. The Multi Fix may be bent into position only once along bending slot.

Use FRAMECAD Certified Hex Head screws or, for applications that require a flush finish, use FRAMECAD Flathead screws.

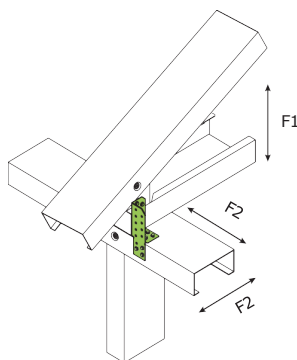
Product	Order Code	Size	Description	Carton Qty
<b>HWH FrameFix DP</b>	Ideal for panel to panel fixing during frame erection and for fixing connectors.			
	307387	10g x 19mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
<b>FRAMECAD Flathead</b>	Ideal for connecting metal strapping or bracing and adding additional strength to connectors.			
	001539	10g x 16mm	FRAMECAD Flathead DP, 1000hrs, Loose	10,000

## Multi Fix Design Capacities

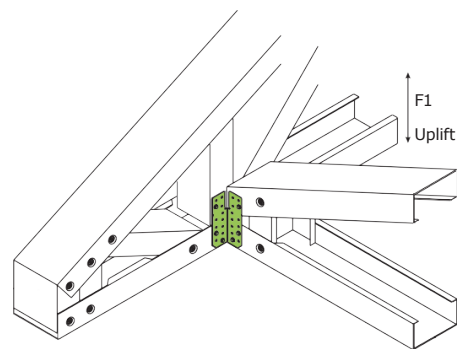
Installation Type A				Design Capacity - LRFD Force (kN)								AS/NZS 4600 / AISI S100	
Code	Bracket Gauge	Steel Grade (Framing)	Number of screws required (Uplift Restraint)	Steel Thickness Framing (BMT)									
				0.75mm		0.95mm		1.15mm		1.55mm		Total Screws	
				F1	F2	F1	F2	F1	F2	F1	F2		
311010	1.15mm	G350	2 – 10g	2.5	2.5	3.6	3.6	4.8	4.8	6.1	5.1*	6	
			3 – 10g	3.8	2.5	5.4	3.6	7.1	4.8	9.1	5.1*	8	
		G500	2 – 10g	3.1	3.1	4.4	4.4	5.9	5.1*	N/A	N/A	6	
			3 – 10g	4.7	3.1	6.6	4.4	8.9	5.1*	N/A	N/A	8	
		G550	2 – 10g	3.0	3.0	4.4	4.4	N/A	N/A	N/A	N/A	6	
			3 – 10g	4.5	3.0	6.6	4.4	N/A	N/A	N/A	N/A	8	
Installation Type B				Design Capacity - LRFD Force (kN)								AS/NZS 4600 / AISI S100	
Code	Bracket Gauge	Steel Grade (Framing)	Number of screws required (Uplift Restraint)	Steel Thickness Framing (BMT)									
				0.75mm		0.95mm		1.15mm		1.55mm		Total Screws	
				F1	F2	F1	F2	F1	F2	F1	F2		
311010	1.15mm	G350	3 – 10g	3.8	2.5	5.4	3.6	7.1	4.8	9.1	5.1*	8	
		G500	3 – 10g	4.7	3.1	6.6	4.4	8.9	5.1*	N/A	N/A	8	
		G550	3 – 10g	4.5	3.0	6.6	4.4	N/A	N/A	N/A	N/A	8	

1. Not all fastener holes need to be filled, additional fastener holes are provided to give options for screw location.
2. LRFD Force is the LRFD design capacity to AISI S100 and the Ultimate Limit State (ULS) design capacity to AS/NZS 4600.
3. The nominal shear strength of the connection is limited by tearing when critical, with a minimum edge distance of 8mm.
4. A minimum of 2 screws must be used for the F2 horizontal restraint.
5. The Multi Fix may only be bent into position once along the bending slots.
6. \*Connection capacity is limited by the steel strength of the Bracket.

**MF-A2**  
Installation  
Type A



**MF-A2**  
Installation  
Type B



## Ordering and Packaging

Code	Description	Qty
<b>311010</b>	MF-A2 - Multi Fix Connector 1.15mm	50

## Twist Fix Strap TFS/R-A2 | TFS/L-A2

### Application:

Used as a heavy duty tie down for roof trusses, joists or rafters for high wind zones or where high strength connections are required. The connector geometry allows a high number of fasteners to be used and allows the fixing of the tie directly along the length of the stud.

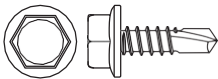
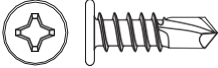
Code	009812 (Left)	009810 (Right)
Profile		
Steel Grade	G350 t = 1.15mm BMT*	
Application	Steel Frame: 0.75 to 1.55mm BMT*	Steel Frame: 0.75 to 1.55mm BMT*
Finish	Galvanized Z275 with Green Corrosion Protection	
Packaging	50 units of each type	

\* BMT = Base Material Thickness

### Installation:

The Twist Fix Strap may be bent over the truss during installation. The Twist Fix Strap must form a direct connection between the truss, joist, or rafter to the wall stud.

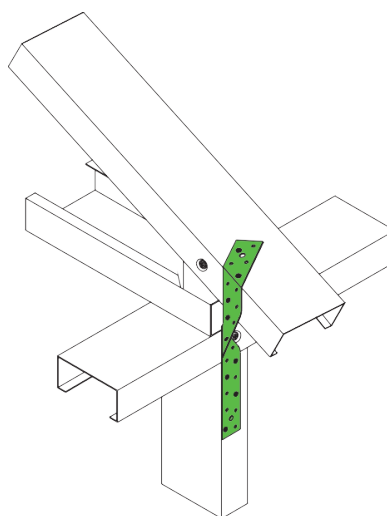
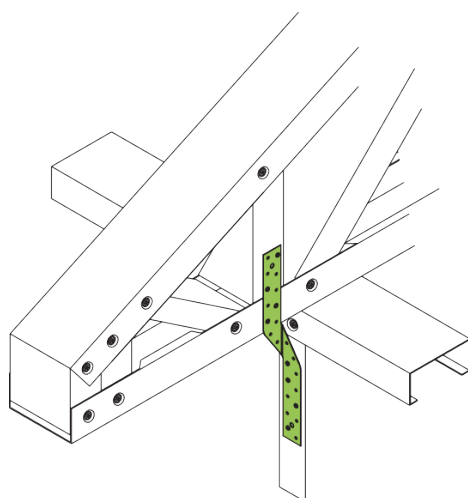
Use the specified number of FRAMECAD 10g Hex Head screw, or for applications that require a flush finish use FRAMECAD 10g Flathead screw. For the quantity of screws at each end of the Twist Fix Strap refer to the Design Capacities Table.

Product	Order Code	Size	Description	Carton Qty
<b>HWH FrameFix DP</b>	Ideal for panel to panel fixing during frame erection and for fixing connectors.			
	307387	10g x 19mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
	002409	12g x 25mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
<b>FRAMECAD Flathead</b>	Ideal for connecting metal strapping or bracing and adding additional strength to connectors.			
	001539	10g x 16mm	FRAMECAD Flathead DP, 1000hrs, Loose	10,000

## Twist Fix Strap Design Capacities

Design Capacity - LRFD Force (kN)				AS/NZS 4600 / AISI S100				
Code	Bracket Gauge	Steel Grade (Framing)	Number of screws required (Uplift Restraint)	Steel Thickness Framing (BMT)				
				0.75mm	0.95mm	1.15mm	1.55mm	Total Screws
009810 & 009812	1.15mm	G350	4 - 10g	5.0	7.2	8.8	8.8	8
			6 - 10g	7.5	8.8	8.8	8.8	12
		G500	4 - 10g	6.2	8.8	8.8	N/A	8
			6 - 10g	8.8	8.8	8.8	N/A	12
		G550	4 - 10g	6.0	8.8	N/A	N/A	8
			6 - 10g	8.8	8.8	N/A	N/A	12

1. Not all fastener holes need to be filled, additional fastener holes are provided to give options for screw location. Install fasteners symmetrically.
2. Install half of the total fasteners on each end of the strap to achieve full listed load capacity
3. LRFD Force is the LRFD Design capacity according to AISI S100 and equal to the Ultimate Limit State (ULS) design capacity according to AS/NZS 4600.
4. The nominal shear strength of the connection is limited by tearing when critical, with a minimum edge distance of 8mm.



The Twist Fix Strap can be bent over the truss to allow for additional screw placement.

## Ordering and Packaging

Code	Description	Qty
<b>009810</b>	TFS/R-A2 - Twist Fix Strap (Right) 1.15mm	50
<b>009812</b>	TFS/L-A2 - Twist Fix Strap (Left) 1.15mm	50


## Holdown Fix & Washer HDF-A1

### Application:

Anchoring system to fix steel frame structures to concrete, steel or timber foundations and floors.

The special geometry of the bracket and the washer allows the bracket to be fixed close to one side of the stud increasing the concrete slab edge distance to maximize the capacity of the Anchor System.

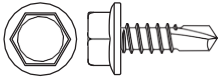
The FRAMECAD Holdown Fix & Washer combined with the FRAMECAD Screw Bolt provides a high strength anchoring system to resist uplift forces typical in light framed single and two storey dwellings.

<b>Code</b>	009815	
<b>Profile</b>		
<b>Steel Grade</b>	Bracket: G350 - 1.15mm	Washer (009688): G350 - 6mm
<b>Application</b>	Steel Frame 0.55 to 1.55mm BMT*	
<b>Finish</b>	Galvanized Z275 with Green Corrosion Protection	
<b>Packaging</b>	25 units per carton (washer included)	

\* BMT = Base Material Thickness

### Installation:

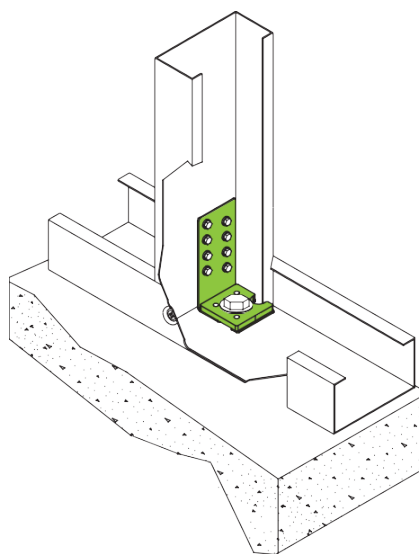
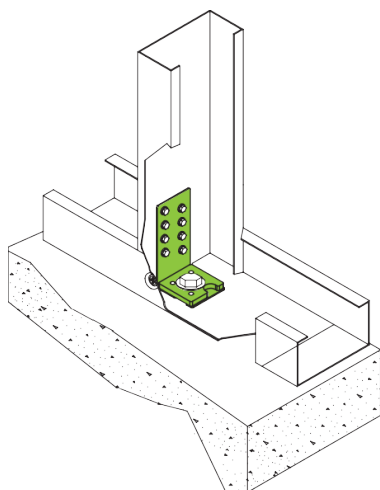
The Holdown Fix must be installed with the included washer, the specified number of FRAMECAD 12g Hex Head Screws, and an Anchor Bolt or Screws with a Design Tension Strength that meets the required Design Capacities.

Product	Item Code		Description	Carton Qty
<b>HWH FrameFix DP</b>	Ideal for panel to panel fixing during frame erection and for fixing connectors.			
	307387	10g x 19mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
	002409	12g x 25mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000

## Holddown Fix & Washer Design Capacities

Design Capacity - LRFD Force (kN)			AS/NZS 4600 / AISI S100		
Code	Steel Grade (Framing)	Number & Size of screws	Steel Thickness Framing (BMT)		
			0.55mm	0.75mm	≥0.95mm
009815	G350	6 - 12g	-	8.1	12*
		8 - 12g	-	10.7	12*
	G500	6 - 12g	-	10.0	12*
		8 - 12g	-	12*	12*
	G550	6 - 12g	4.9	9.6	12*
		8 - 12g	6.6	12*	12*

1. LRFD Force is the LRFD Design capacity according to AISI S100 and equal to the Ultimate Limit State (ULS) design capacity according to AS/NZS 4600.
2. Use the specified number of FRAMECAD certified Hex Head 12g screws.
3. Fix to Base with Anchors with a Design Tension Strength that meets the Design Capacity.
4. \*Capacity limited by the design strength of the Holddown Bracket determined by testing.



The design of the Bracket and Washer allows fixing close to one side of the framing to increase slab edge distance and maximise capacity of the anchor system.

## Ordering and Packaging

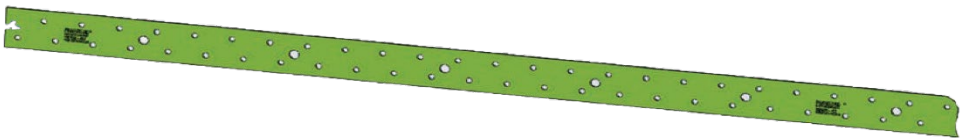
Code	Description	Qty
<b>009815</b>	HDF-A1 Holddown Anchor 1.15mm & 6mm Flat Washer	25



## Strap Fix Bracing SF/32-A2

### Application:

Used to brace roof, wall and ceiling panels. Available in long coils with an optimized number of screw holes, they are easy to use on site. Strap Fix can also be used as a tie down for wall frame or trusses.

<b>Code</b>	009814
<b>Profile</b>	
<b>Description</b>	SF/32-A2 32mm Strap Fix
<b>Steel Grade</b>	009815: G350 - 1.15mm BMT*
<b>Application</b>	Steel Frame 0.75 to 1.55mm BMT*
<b>Finish</b>	Galvanized Z275
<b>Packaging</b>	1 x 50mtr coil per carton

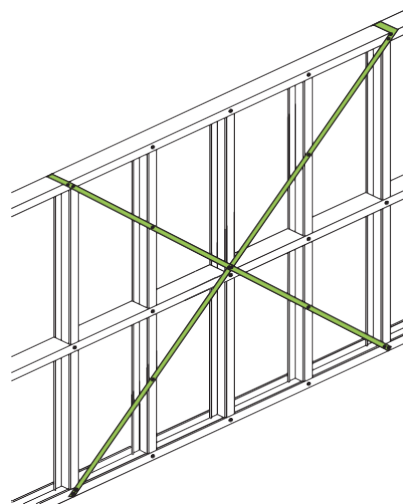
\* BMT = Base Material Thickness

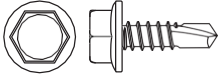
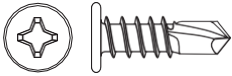
### Installation:

To act as a structural bracing system the bracing straps must be tensioned with the FRAMECAD Strap Fix Tensioner PT32.

After tensioning, the strapping must be screwed to each stud it crosses. Ensure each length of the strap has a tensioner properly tightened before fixing it to the stud.

For quantity of screws refer to the Design Capacities table.



Product	Order Code	Size	Description	Carton Qty
<b>HWH FrameFix DP</b>	Ideal for panel to panel fixing during frame erection and for fixing connectors.			
	307387	10g x 19mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
<b>FRAMECAD Flathead</b>	Ideal for connecting metal strapping or bracing and adding additional strength to connectors.			
	001539	10g x 16mm	FRAMECAD Flathead DP, 1000hrs, Loose	10,000

## Strap Fix Bracing Design Capacities

Design Capacity - LRFD Force (kN)			AS/NZS 4600 / AISI S100			
	Number of screws each end – Screw Gauge					
Code	Frame Steel Grade	Frame Material Thickness BMT (mm)				Allowable Loads
		0.75mm	0.95mm	1.15mm	1.55mm	
009814 SF/32-A2	G350	7 – 10g	5 – 10g	4 – 10g	4 – 10g	8.8
	G500	6 – 10g	5 – 10g	4 – 10g	N/A	
	G550	6 – 10g	5 – 10g	N/A	N/A	

1. Not all fastener holes need to be filled, additional fastener holes are provided. Install fastener symmetrically.
2. LRFD Strength is the LRFD Design capacity according to AISI S100 and is the Ultimate Limit State (ULS) design capacity according to AS/NZS 4600.
3. Nominal shear strength of the connection is limited by tearing when critical with an 8mm minimum edge distance.
4. The tables values are the quantity of fastener at each end of the Strap Fix Brace.

## Ordering and Packaging:

Code	Description	Qty
<b>009814</b>	SF/32-A2 Strap Fix 1.15mm 32mm x 50 meters	1 x 50 mtr Coil

## Strap Fix Tensioner PT-32

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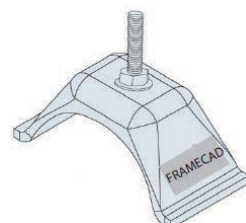
### Application:

Used in conjunction with FRAMECAD Strap Fix to brace roof, wall and ceiling panels. The Strap Tensioner is easily installed on strap bracing to apply load to bracing systems to effectively resist deflection.

Designed for steel frames up to 1.55mm (BMT).

### Features & Benefits:

- Galvanized Z275
- Manufactured to Steel grade AS/NZ 1397 G450 - Hi Tensile Steel
- Max Extension attributable to the unit 4.0mm
- Compliant with: AS 4440 clause 4.3.2 steel brace



### Installation:

The Strap Fix Tensioner can easily and quickly tension the Strap Fix simply by driving the Hex head screw. FRAMECAD Strap Fix takes the load in tension only and should be used in pairs; one Strap fix Tensioner on each Strap Fix.


### Ordering and Packaging:

Code	Description	Qty
<b>308321</b>	PT-32 Strap brace tensioner Hi tensile Steel	100

## Fix Plate Connector FP-A2

### Application:

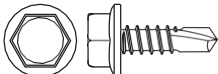
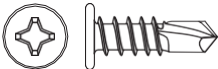
Used to locally reinforce connection strength and connect together cold formed steel panels.

<b>Code</b>	009801
<b>Profile</b>	 <p>FRAMECAD certified product FP A1</p>
<b>Steel Grade</b>	FP-A2: G350 - 1.15mm BMT*
<b>Application</b>	Steel Frame 0.95 to 1.55mm BMT*
<b>Finish</b>	Galvanized Z275 with Green Corrosion Protection
<b>Packaging</b>	50 units per carton

\* BMT = Base Material Thickness

### Installation:

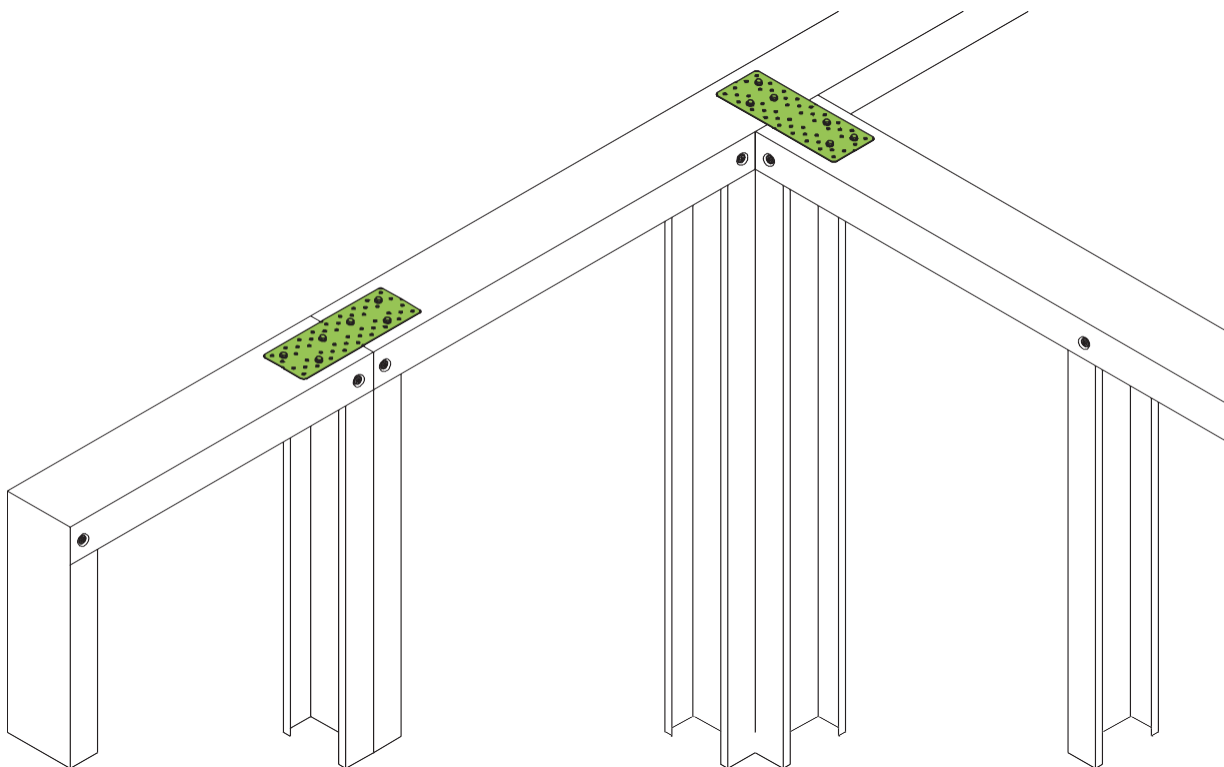
Use FRAMECAD Certified HEX Head or for applications that require a flush finish use FRAMECAD Flathead Screws.

Product	Order Code	Size	Description	Carton Qty
<b>HWH FrameFix DP</b>	Ideal for panel to panel fixing during frame erection and for fixing connectors.			
	307387	10g x 19mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
	002409	12g x 25mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
<b>FRAMECAD Flathead</b>	Ideal for connecting metal strapping or bracing and adding additional strength to connectors.			
	001539	10g x 16mm	FRAMECAD Flathead DP, 1000hrs, Loose	10,000

## Fix Plate Design Capacities

Design Capacity - LRFD Force (kN)		AS/NZS 4600 / AISI S100	
Code	Plate Thickness (mm)	F1 Tension Capacity (kN)	F2 Shear Capacity (kN)
009801	1.15mm	32.2	18

1. Not all fastener holes need to be filled, additional fastener holes are provided.
2. For screw numbers refer to engineers' specifications.



## Ordering and Packaging:

Code	Description	Qty
<b>009801</b>	FP-A2 Fix Plate Connector 1.15mm	50

## Apex / Heel Connector Plate AHCP-A2

### Application:

Suitable to locally reinforce connection strength of Heel and Apex of any Truss with a pitch of 80 to 320. Patent Protected.

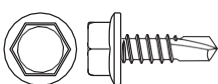
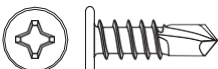
<b>Code</b>	009803
<b>Profile</b>	
<b>Steel Grade</b>	AHCP-A2: G350 - 1.15mm BMT*
<b>Application</b>	Steel Frame 0.95 to 1.55mm BMT*
<b>Finish</b>	Galvanized Z275 with Green Corrosion Protection
<b>Packaging</b>	50 units per carton

\* BMT = Base Material Thickness

### Installation:

Use FRAMECAD Certified HEX Head or for applications that require a flush finish use FRAMECAD Flat Head Screws.

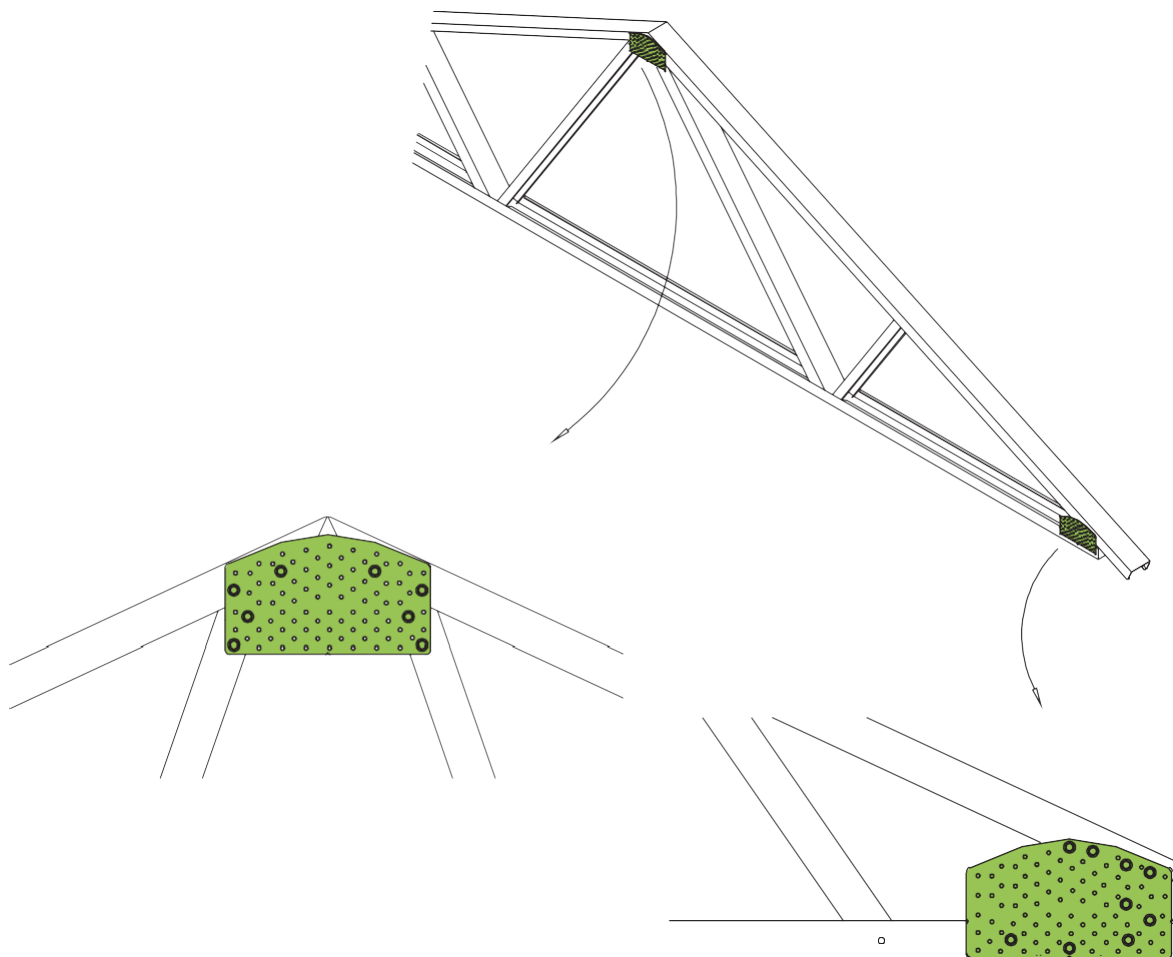
For Screw numbers please refer to engineers' specifications.

Product	Order Code	Size	Description	Carton Qty
<b>HWH FrameFix DP</b>	Ideal for panel to panel fixing during frame erection and for fixing connectors.			
	307387	10g x 19mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
	002409	12g x 25mm	Hex Head FrameFix DP, 1000hrs, Loose	5,000
<b>FRAMECAD Flathead</b>	Ideal for connecting metal strapping or bracing and adding additional strength to connectors.			
	001539	10g x 16mm	FRAMECAD Flathead DP, 1000hrs, Loose	10,000

## Typical Installation

FRAMECAD Connector Plates are specifically designed and engineered to make them easy and efficient to use with the practical geometry of steel trusses and framing.

For Screw numbers please refer to the engineers' specification.



## Ordering and Packaging:

Code	Description	Qty
<b>009803</b>	AHCP-A2 Apex Heel 1.15mm	50



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