

New products & downloads: www.mbracket.com

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ABOUT US

mBracket is a well-established Chinese manufacturer of structural connectors and fasteners for timber and light-gauge steel construction. We are a member of the China Wood Protection Industry Association and a council member of the China Modern Timber Construction Technology Industry Alliance.

Our mBracket connectors are used in a wide range of indoor and outdoor steel and timber structures, including light-gauge steel homes, prefabricated buildings, log cabins, gazebos, pergolas, boardwalks, North American wood-frame construction, timber trusses and landscape features. With hot-dip galvanized or Dacromet coating, they are widely used with treated lumber such as SPF, Southern Yellow Pine, Finnish pine and Mongolian Scots pine.

Known for high quality, long service life, easy installation and a clean appearance, mBracket products have earned a strong reputation in the market.

Our facility is equipped with large-format laser cutting machines, Japanese robotic welding cells, shearing machines, press brakes, stamping presses from light to heavy tonnage, CNC cutting equipment, drilling machines, MIG and TIG welders, surface treatment lines and sherardizing equipment. This allows us to produce both standard connectors and heavy-duty custom connectors. Standard items are stocked; non-standard parts can be made to order.

Main Products

We manufacture connectors and metal hardware for light-gauge steel homes, prefabricated buildings, log cabins and timber-frame houses and villas. Our range includes angle brackets, joist hangers, truss plates, hurricane ties, wind ties, embedded anchors, post bases, wind and seismic straps, connector nails and heavy-duty timber connectors, as well as outdoor hardware, fittings for treated lumber, fasteners, wood screws, common and stainless-steel nails, stainless-steel connectors, spiral nails, expansion anchors, hex lag screws, self-tapping screws and ring-shank nails. Products are finished by hot-dip galvanizing or Dacromet coating.

Laser Cutting

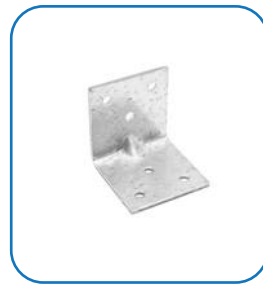
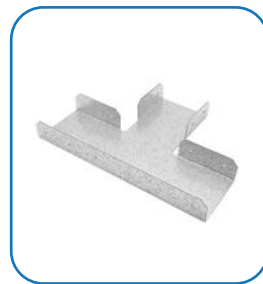
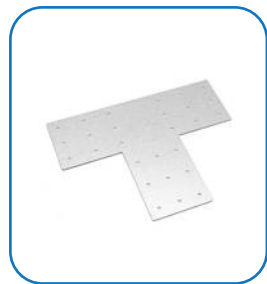
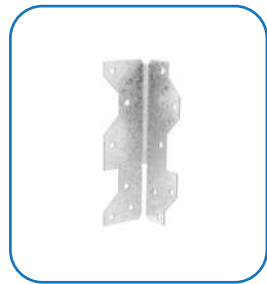
Robotic Welding

HDG & Dacromet

Stock & Custom Parts

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1
Heavy-Duty
Hold-Down



2
Hold-Down
Connector



3
Twist Hurricane
Tie



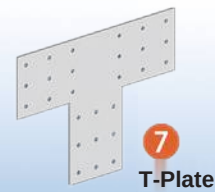
4
Diamond
Hurricane Tie



5
Light-Gauge
Hold-Down, Type A



6
Light-Gauge
Hold-Down, Type B



7
T-Plate



8
L-Plate
(Corner Plate)



9
Joist Hanger



10
Strap Tensioner



11
OSB Panel Clip



12
Angle Bracket, Type A



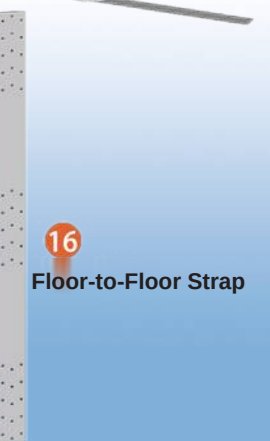
13
Angle Bracket, Type B



14
Flat Plate

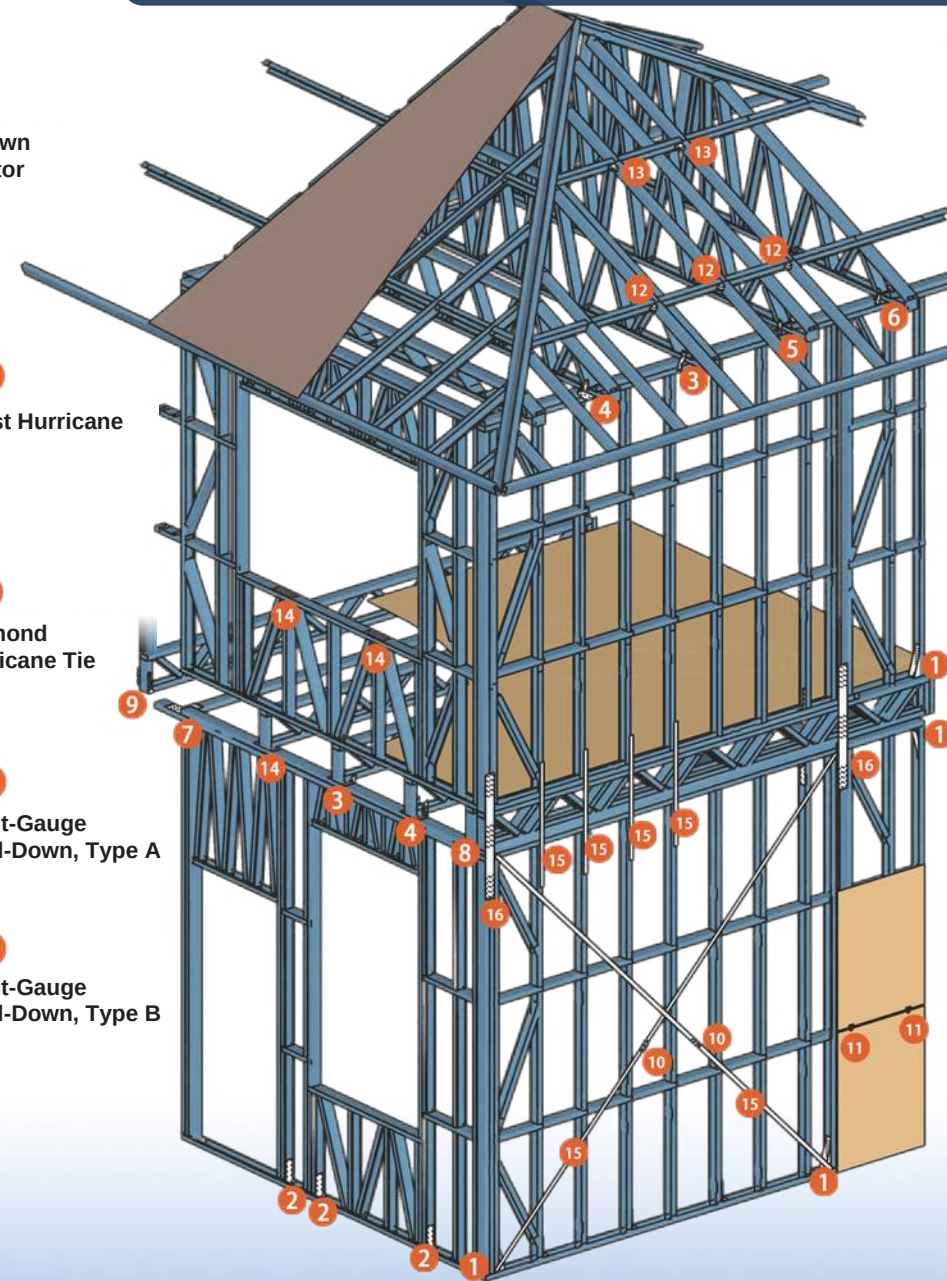


15
Coil Strap



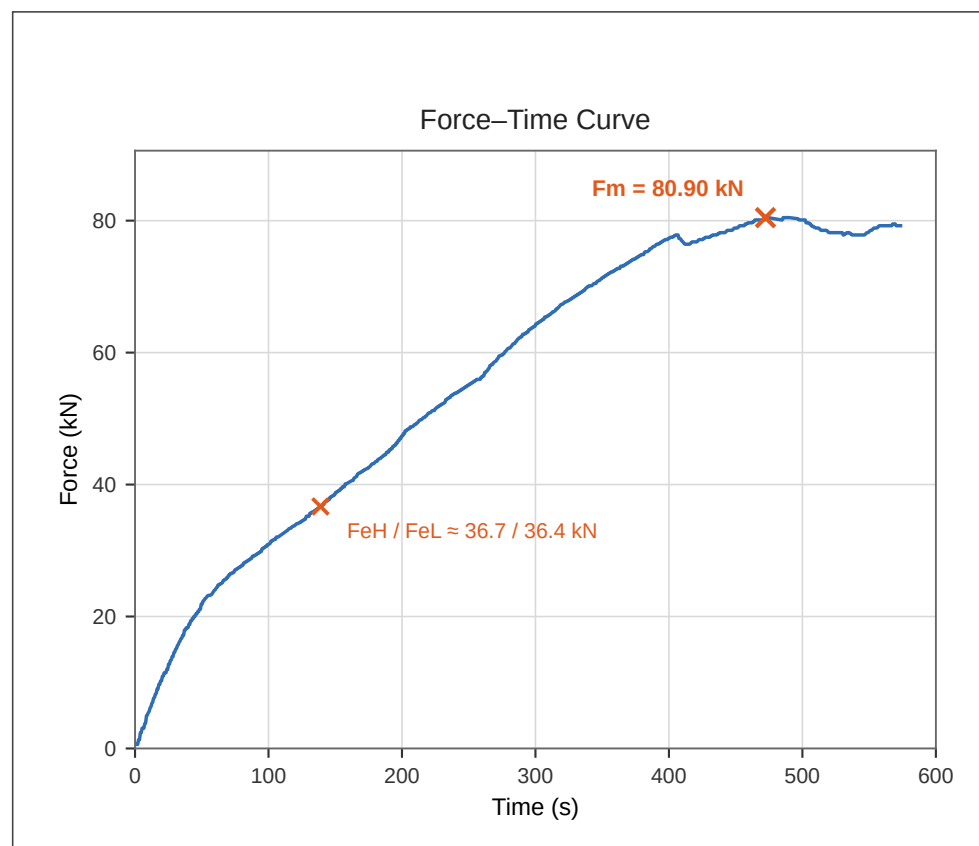
16
Floor-to-Floor Strap

mBracket Light-Gauge Steel Connector Application Guide



Tensile Load Test Report

Test	mBracket Hold-Down PF-3625		
Sample No.	3	Test Date	2019-05-09
Tested by	QC-01	Temperature	22 °C
Material	—	Sample Size	150 × 75 mm
Test Data			
No.	Maximum Force Fm (kN)	Upper Yield Force FeH (kN)	Lower Yield Force FeL (kN)
1	80.90	36.66	36.39



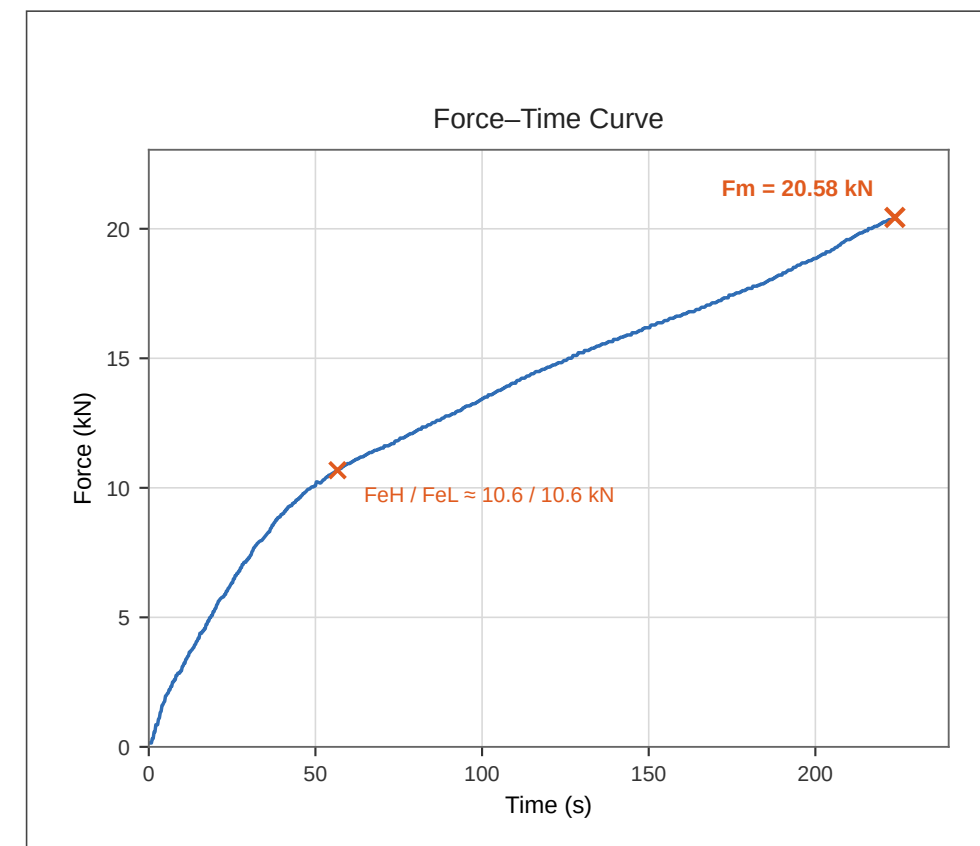
Tested by:

Reviewed by:

Approved by:

Tensile Load Test Report

Test	mBracket Hold-Down Connector BCS-26517		
Sample No.	3	Test Date	2019-05-18
Tested by	QC-01	Temperature	28 °C
Material	—	Sample Size	—
Test Data			
No.	Maximum Force Fm (kN)	Upper Yield Force FeH (kN)	Lower Yield Force FeL (kN)
1	20.58	10.59	10.59



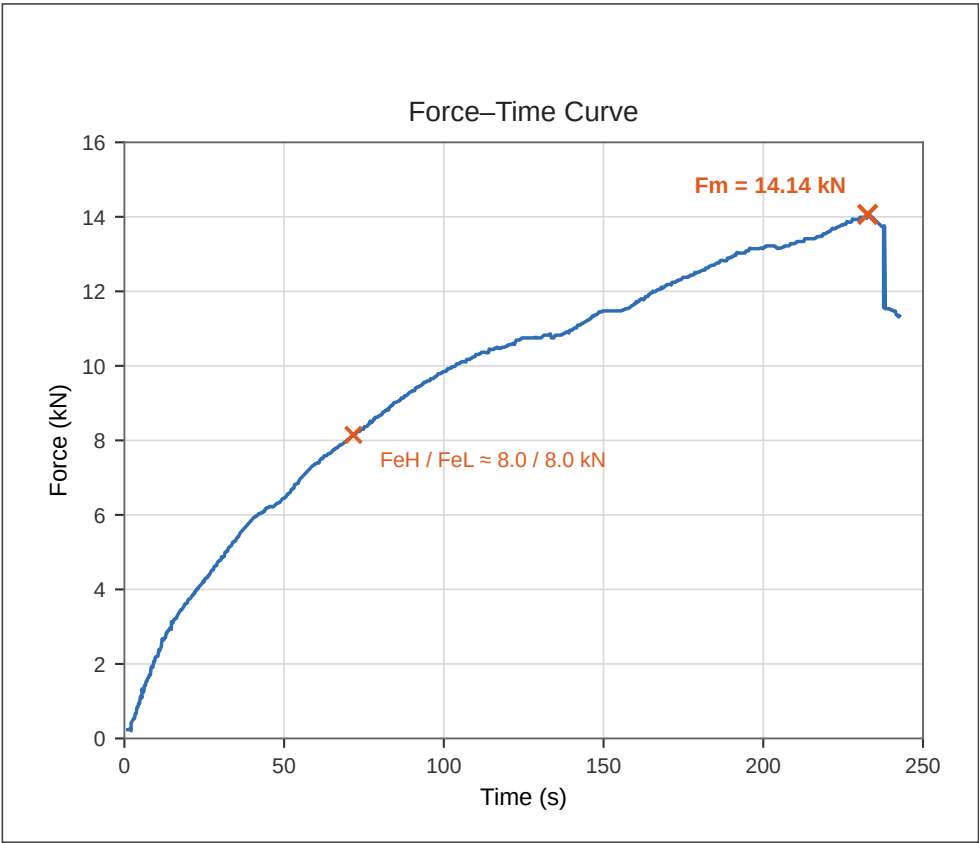
Tested by:

Reviewed by:

Approved by:

Tensile Load Test Report

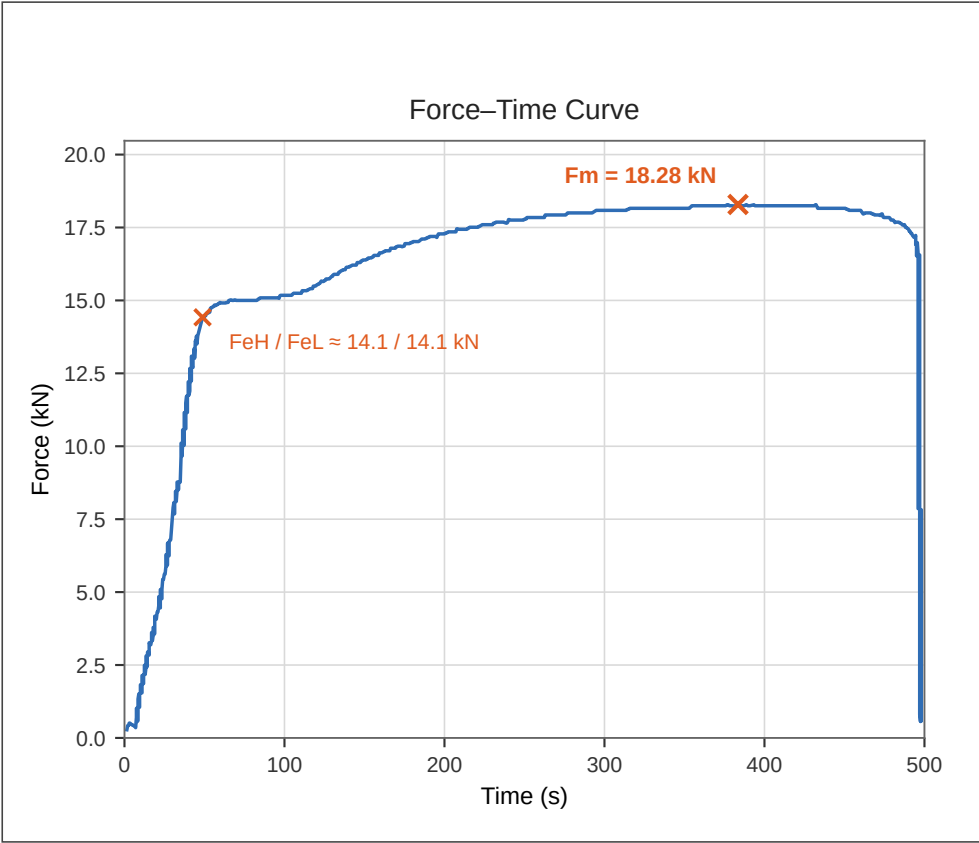
Test	mBracket Angle Bracket BW-26331 (2.0 mm, with stiffening rib)		
Sample No.	2	Test Date	2019-05-21
Tested by	QC-002	Temperature	23 °C
Material	SGC340	Sample Size	—
Test Data			
No.	Maximum Force Fm (kN)	Upper Yield Force FeH (kN)	Lower Yield Force FeL (kN)
1	14.14	8.04	8.04



Tested by: Reviewed by: Approved by:

Tensile Load Test Report

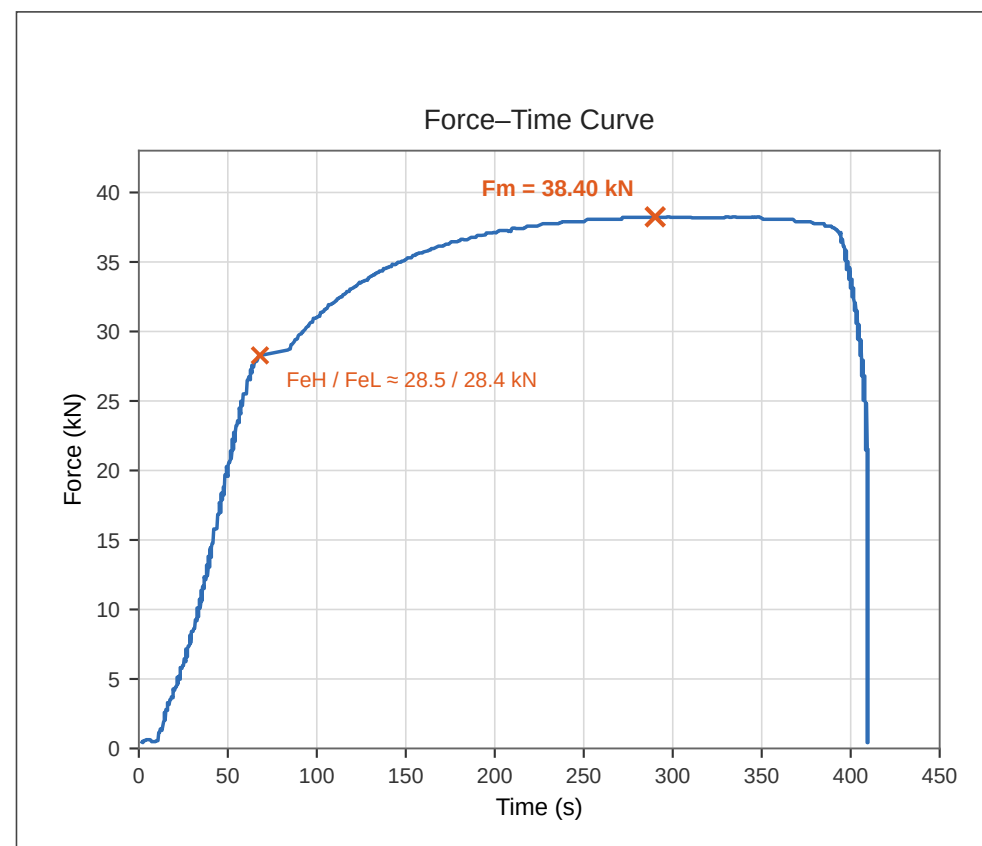
Test	mBracket Coil Strap LD-13C		
Sample No.	2	Test Date	2020-05-08
Tested by	QC-002	Temperature	27 °C
Material	SGC440	Sample Size	—
Test Data			
No.	Maximum Force Fm (kN)	Upper Yield Force FeH (kN)	Lower Yield Force FeL (kN)
1	18.28	14.10	14.10



Tested by: Reviewed by: Approved by:

Tensile Load Test Report

Test	Steel strip 2 × 40 × 150 mm – mBracket SGC440		
Sample No.	2	Test Date	2020-05-08
Tested by	QC-002	Temperature	25 °C
Material	SGC440	Sample Size	2 × 40 × 150 mm
Test Data			
No.	Maximum Force Fm (kN)	Upper Yield Force FeH (kN)	Lower Yield Force FeL (kN)
1	38.40	28.46	28.36



Tested by:

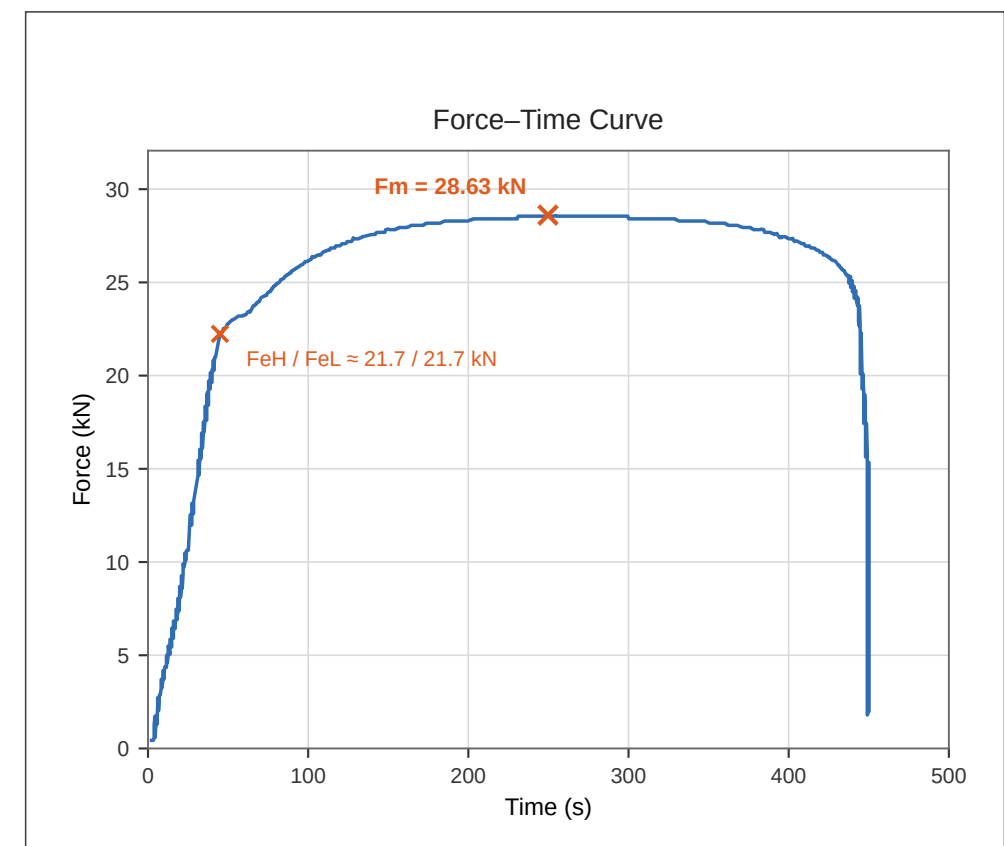
Reviewed by:

Approved by:

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Tensile Load Test Report

Test	Steel strip 2 × 40 × 150 mm – standard galvanized		
Sample No.	1	Test Date	2020-05-08
Tested by	QC-002	Temperature	25 °C
Material	Standard galvanized steel	Sample Size	2 × 40 × 150 mm
Test Data			
No.	Maximum Force Fm (kN)	Upper Yield Force FeH (kN)	Lower Yield Force FeL (kN)
1	28.63	21.74	21.74



Tested by:

Reviewed by:

Approved by:

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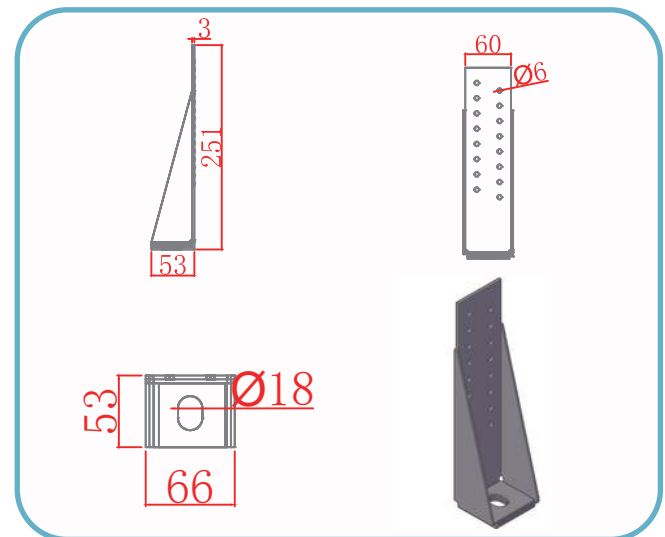
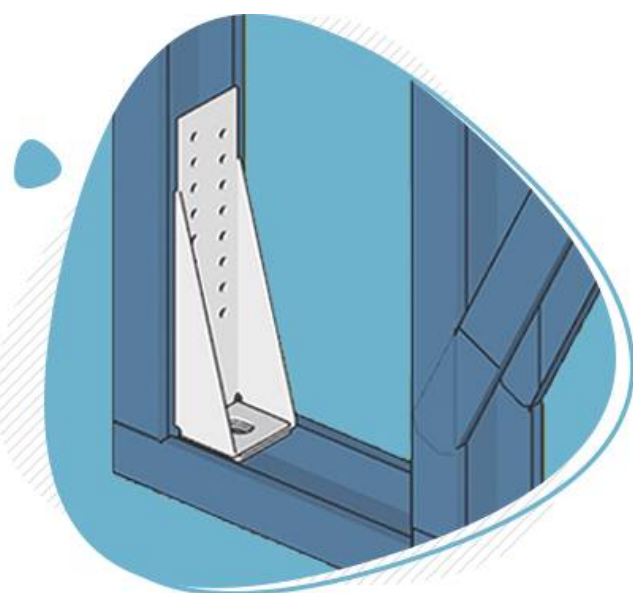
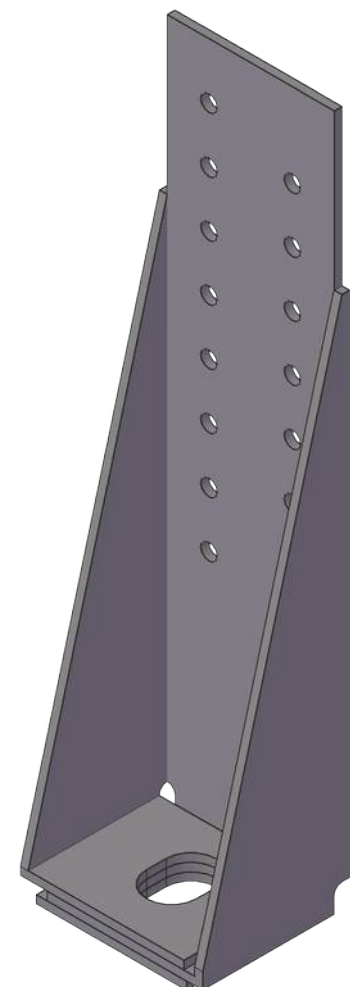
1 PF-3625

SPECIFICATIONS

Model	PF-3625
Name	Heavy-Duty Hold-Down
Size	3 × 66 × 251 mm 0.12" × 2.6" × 9.9"
Material	SGC440 galvanized steel
Ult. load	82 kN (18,434 lbf)

APPLICATION

Heavy-duty hold-down for anchoring ground-floor walls to the foundation, and for floor-to-floor uplift connections. Loads transfer directly from wall to wall without passing through the floor trusses, improving the building's overall resistance to wind uplift.



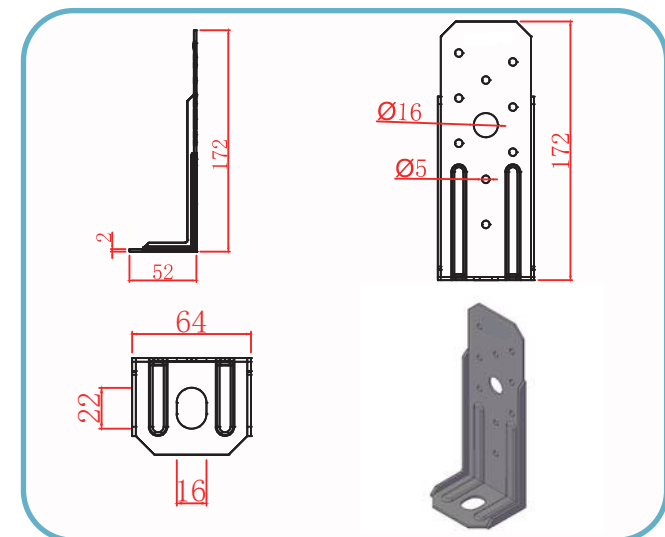
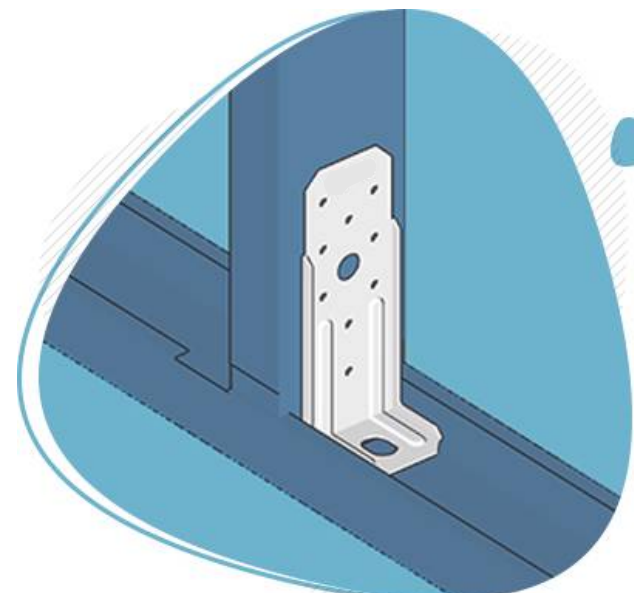
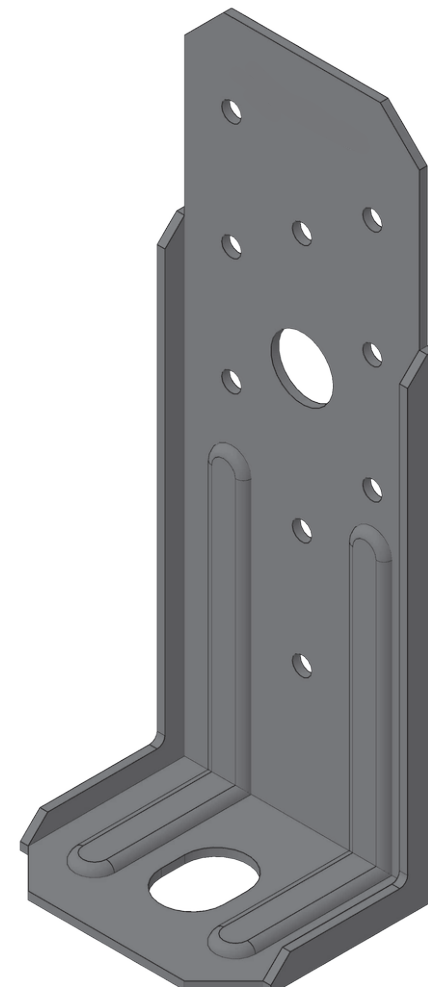
2 BCS-26517

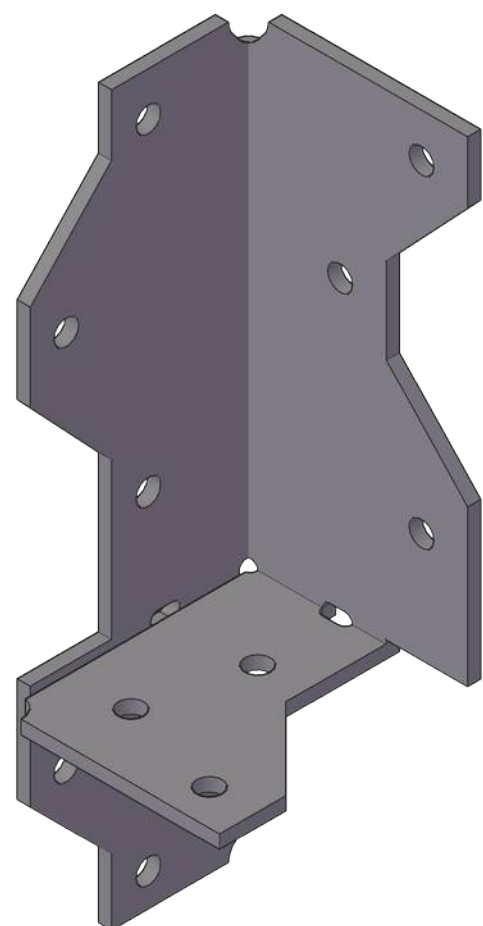
SPECIFICATIONS

Model	BCS-26517
Name	Hold-Down Connector
Size	2 × 64 × 52 × 172 mm 0.08" × 2.5" × 2.0" × 6.8"
Material	SGC440 galvanized steel
Ult. load	20.58 kN (4,627 lbf)

APPLICATION

Light-duty hold-down. Like the heavy-duty version, it anchors ground-floor walls to the foundation and transfers loads directly from wall to wall without passing through the floor trusses, improving overall resistance to wind uplift.





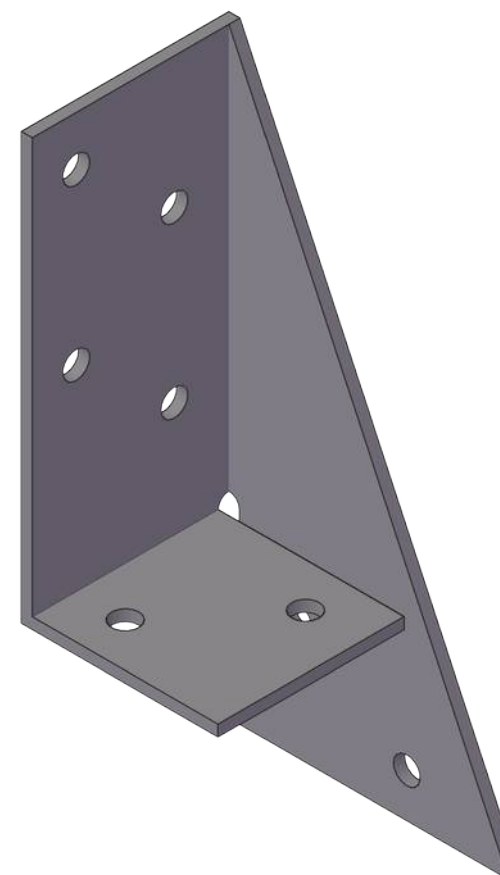
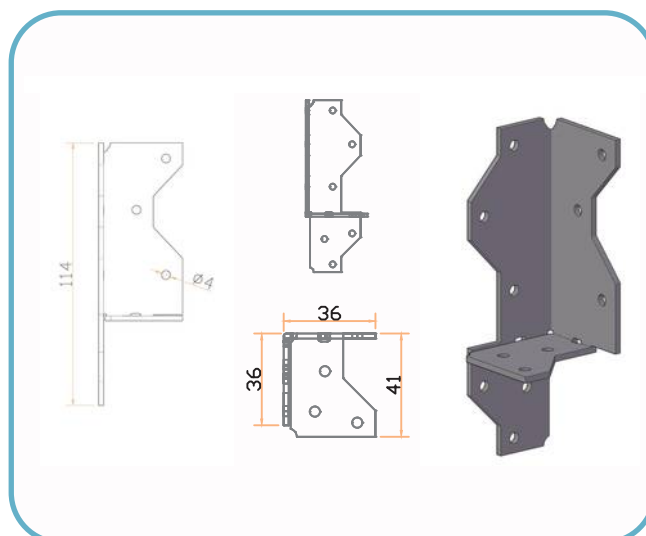
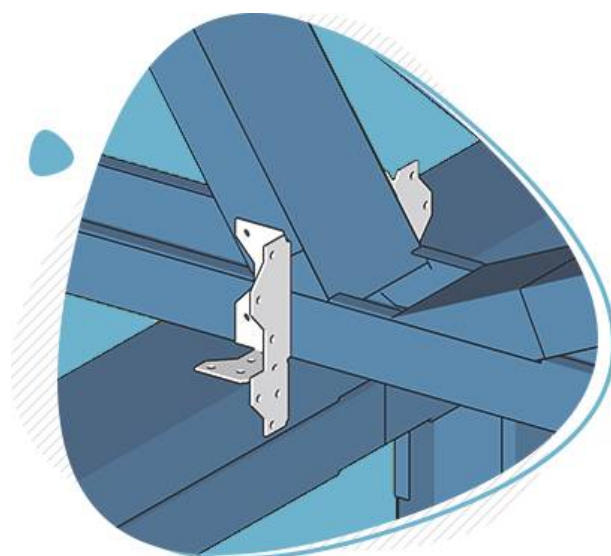
3 AC-IL

SPECIFICATIONS

Model	AC-IL
Name	Light-Gauge Hold-Down, Type A
Size	2 × 35 × 114 mm 0.08" × 1.4" × 4.5"
Material	SGC440 galvanized steel
Ult. load	11 kN (2,473 lbf)

APPLICATION

Connects trusses to walls, or walls to bottom tracks, increasing the uplift and shear resistance of the joint.



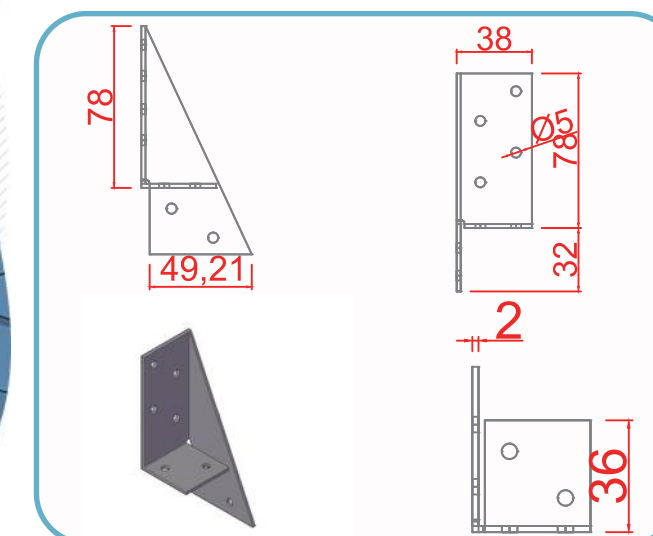
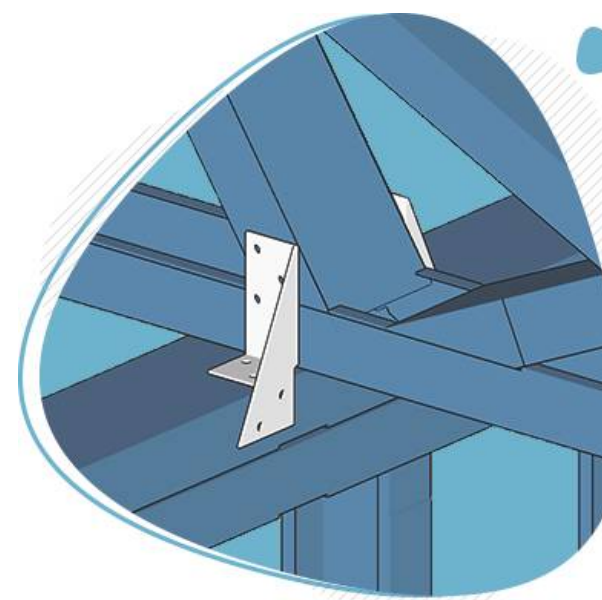
4 AF-211R

SPECIFICATIONS

Model	AF-211R
Name	Light-Gauge Hold-Down, Type B
Size	2 × 38 × 110 mm 0.08" × 1.5" × 4.3"
Material	SGC440 galvanized steel
Ult. load	9 kN (2,023 lbf)

APPLICATION

Connects trusses to walls, or walls to bottom tracks, increasing the uplift and shear resistance of the joint.



5

RT7A

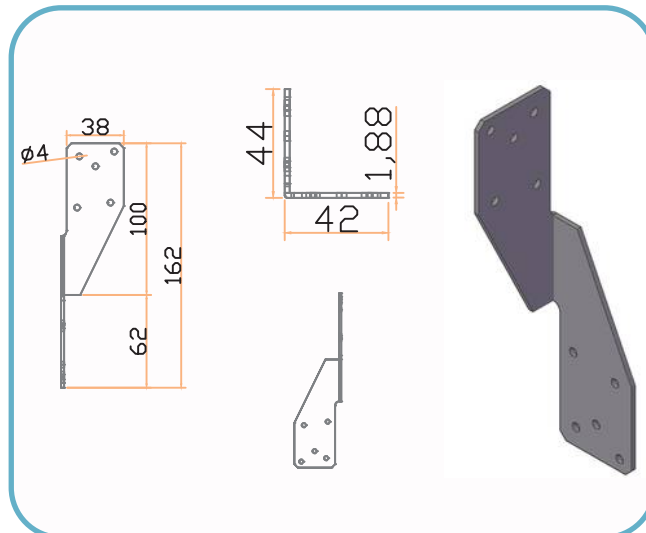
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SPECIFICATIONS

Model	RT7A
Name	Twist Hurricane Tie
Size	2 × 40 × 164 mm 0.08" × 1.6" × 6.5"
Material	SGC440 galvanized steel
Ult. load	9.5 kN (2,136 lbf)

APPLICATION

Left-hand twist tie for wind reinforcement of light-gauge steel and similar structures. Connects studs to beams, or trusses to walls, of any size, effectively improving the structure's wind resistance. Can be used alone or paired with RT7B.



6

RT15A-90

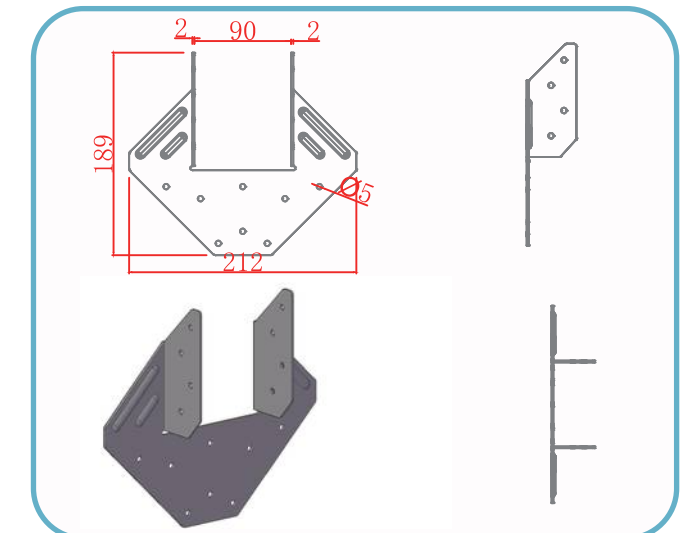
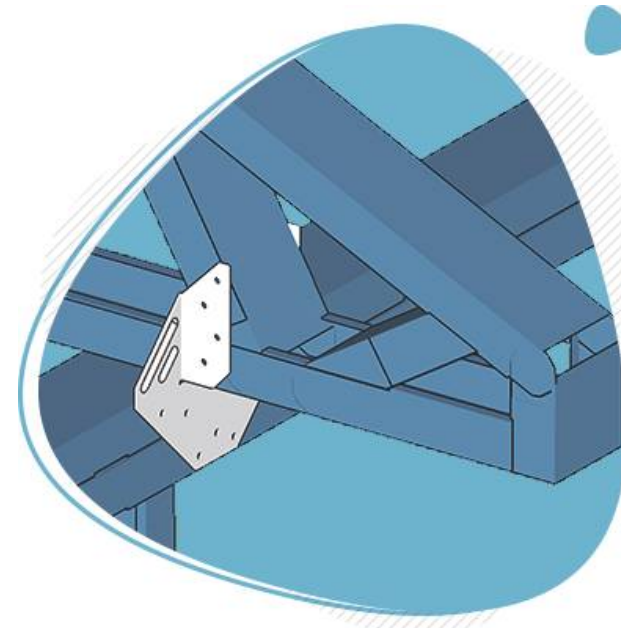
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SPECIFICATIONS

Model	RT15A-90
Name	Diamond Hurricane Tie
Size	2 × 90 × 189 × 212 mm 0.08" × 3.5" × 7.4" × 8.3"
Material	SGC440 galvanized steel
Ult. load	28 kN (6,295 lbf)

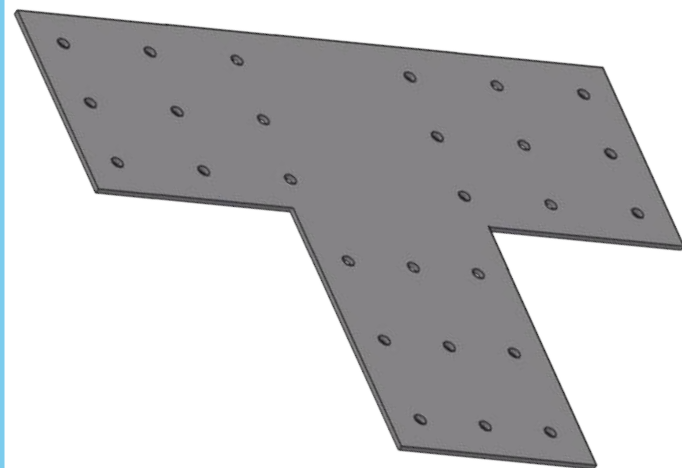
APPLICATION

Diamond-shaped hurricane tie for light-gauge steel framing. Connects 90 mm wide trusses or studs to walls.



7

7 TP-22721

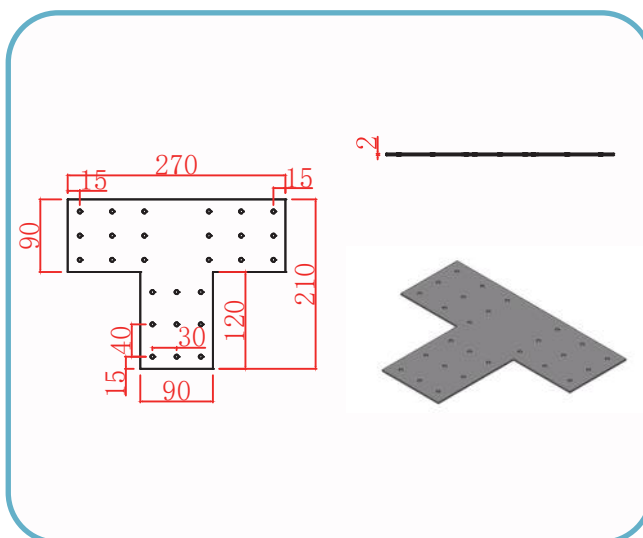
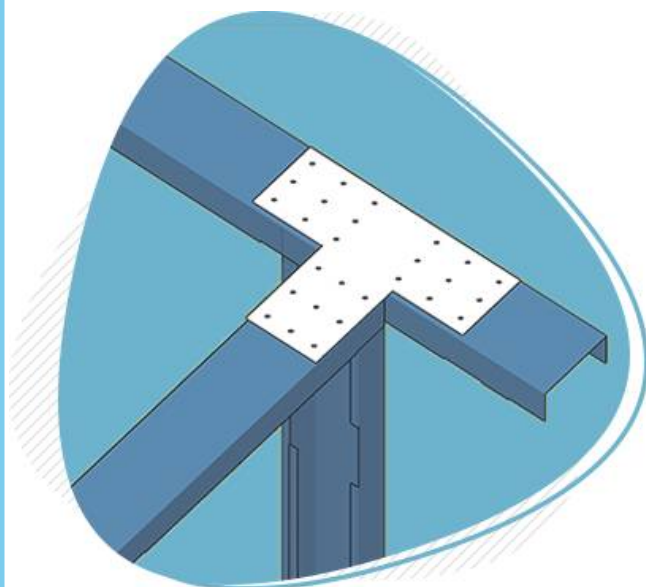


SPECIFICATIONS

Model	TP-22721
Name	T-Plate
Size	2 × 90 × 270 × 210 mm 0.08" × 3.5" × 10.6" × 8.3"
Material	SGC440 galvanized steel
Ult. load	26 kN (5,845 lbf)

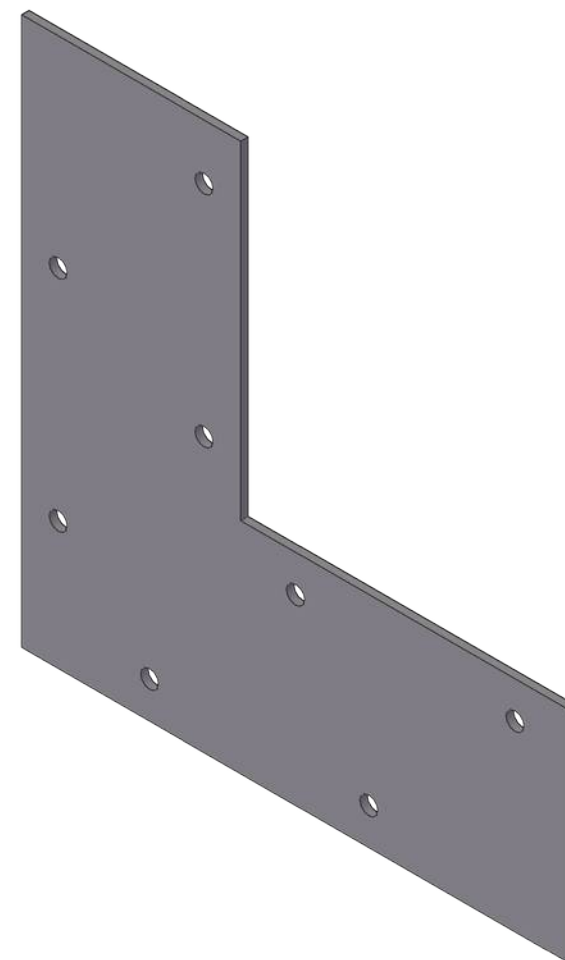
APPLICATION

Perpendicular (T-junction) connection between walls in light-gauge steel buildings.



8

8 PL-21515

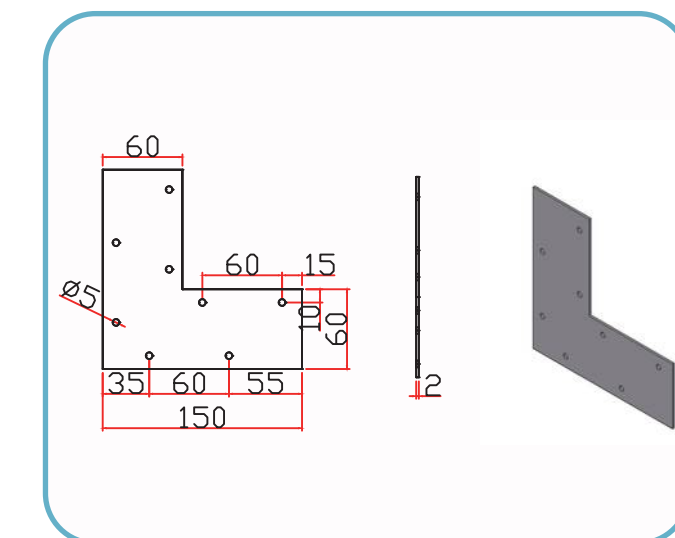
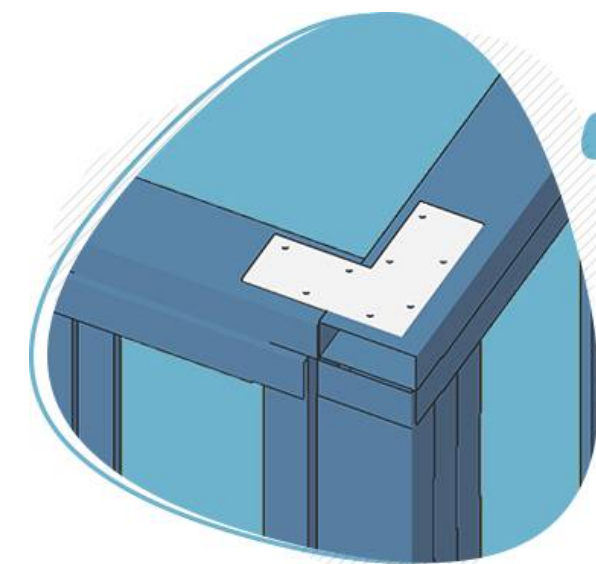


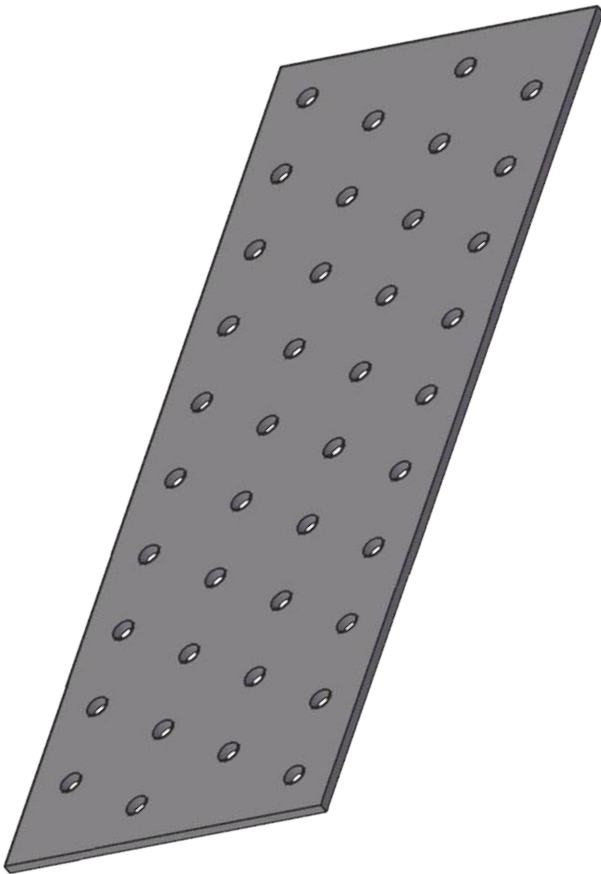
SPECIFICATIONS

Model	PL-21515
Name	L-Plate (Corner Plate)
Size	2 × 150 × 150 mm 0.08" × 5.9" × 5.9"
Material	SGC440 galvanized steel

APPLICATION

L-shaped corner connection between walls in light-gauge steel buildings.





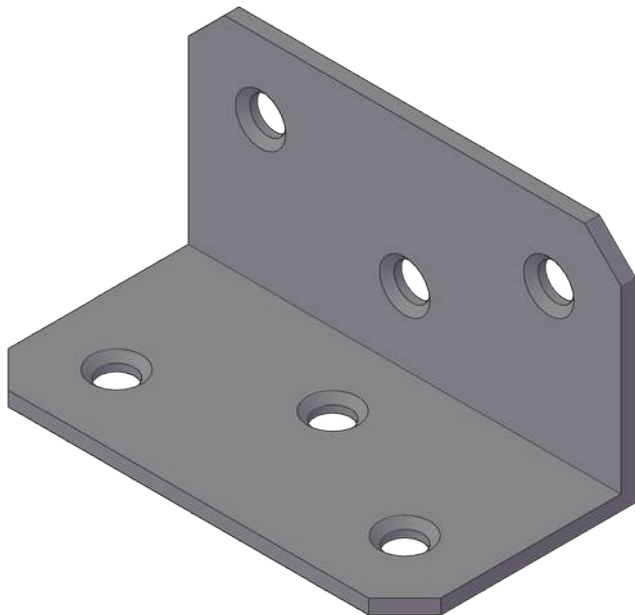
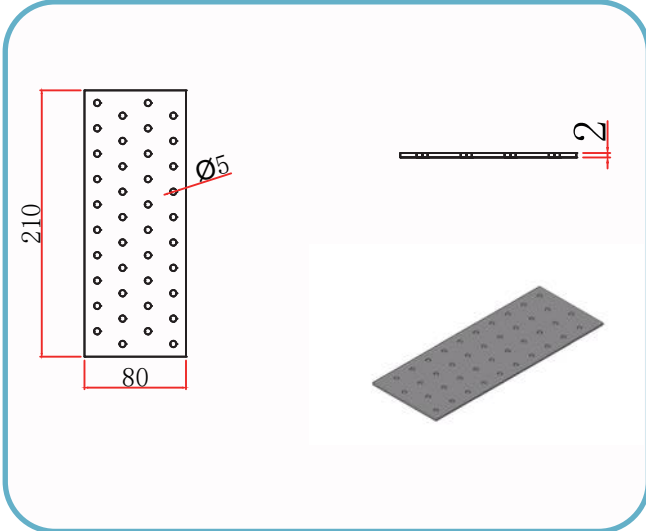
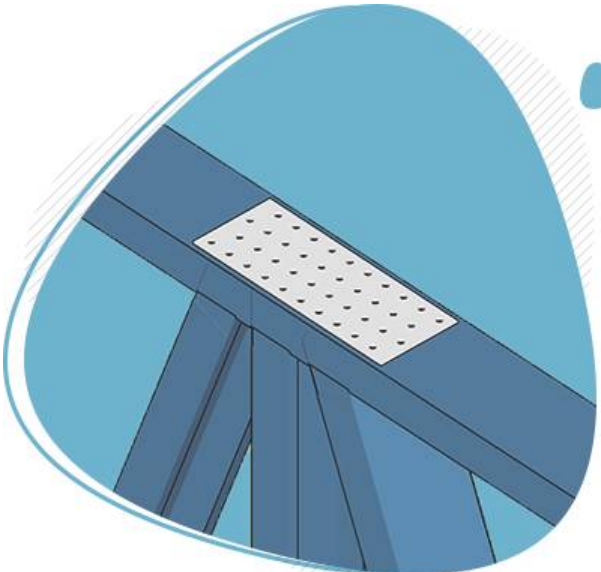
9

PL-2821

SPECIFICATIONS	
Model	PL-2821
Name	Flat Plate (Mending Plate)
Size	2 × 80 × 210 mm 0.08" × 3.1" × 8.3"
Material	SGC440 galvanized steel
Ult. load	18 kN (4,047 lbf)

APPLICATION

Flat plate for splicing light-gauge steel studs, or for in-line connections between walls. Also used to reinforce multi-directional joints and transfer loads.



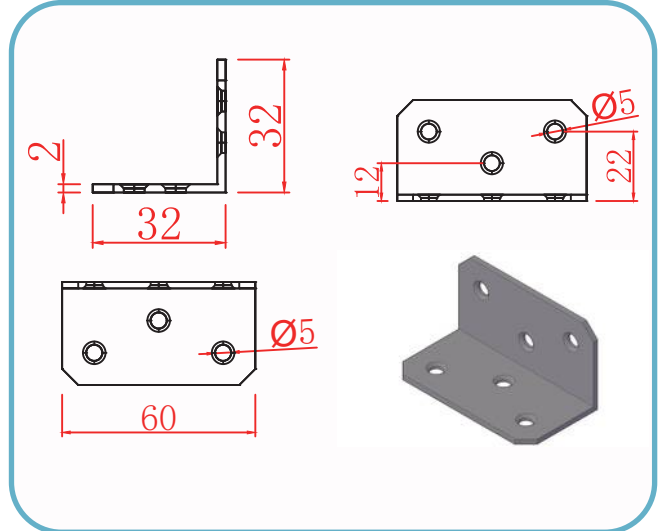
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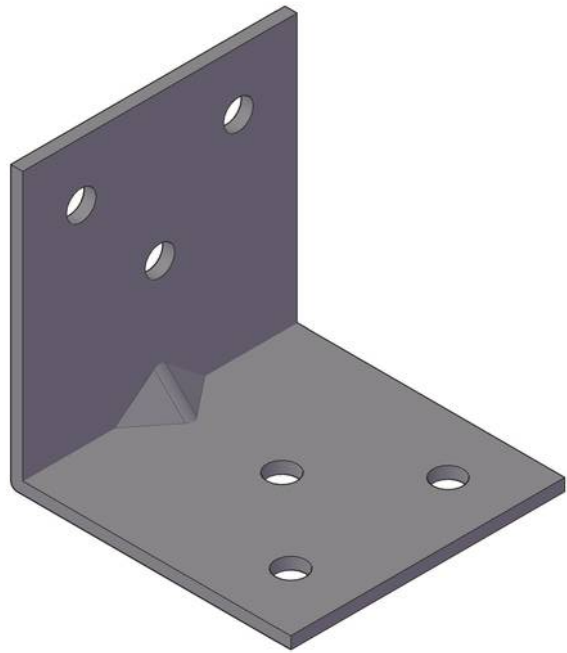
BW-26331

SPECIFICATIONS	
Model	BW-26331
Name	Angle Bracket, Type A
Size	2 × 60 × 32 × 32 mm 0.08" × 2.4" × 1.3" × 1.3"
Material	SGC440 galvanized steel
Ult. load	14.14 kN (3,179 lbf)

APPLICATION

Right-angle connection between light-gauge steel studs; also used for wall-to-wall corner connections.





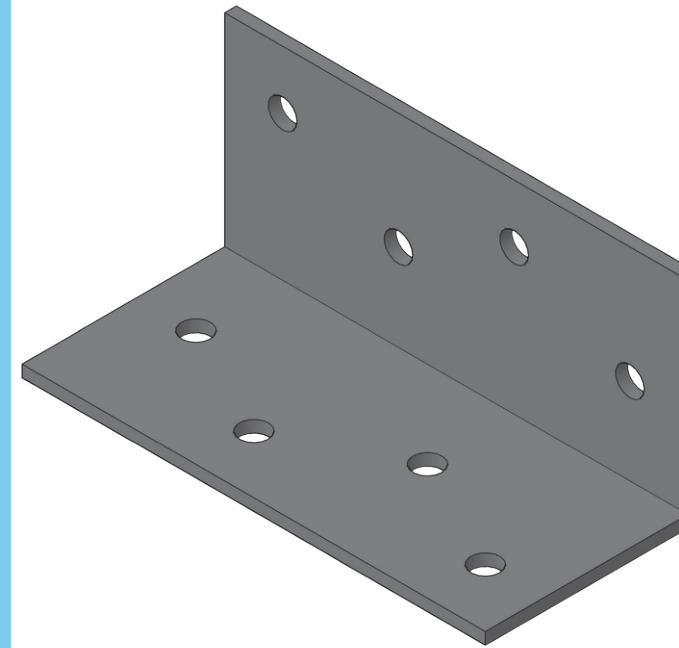
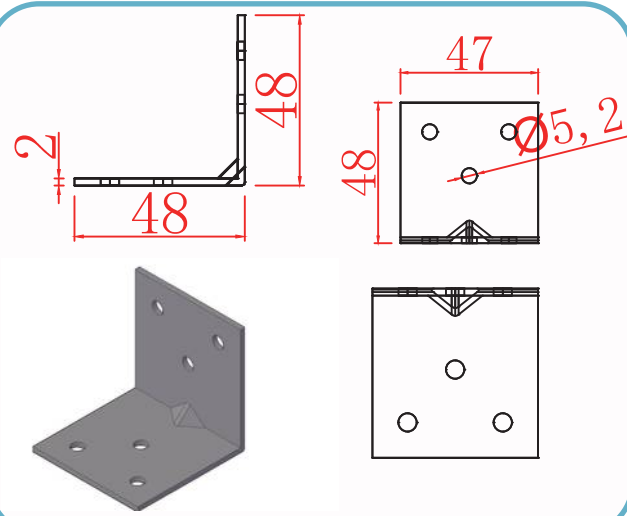
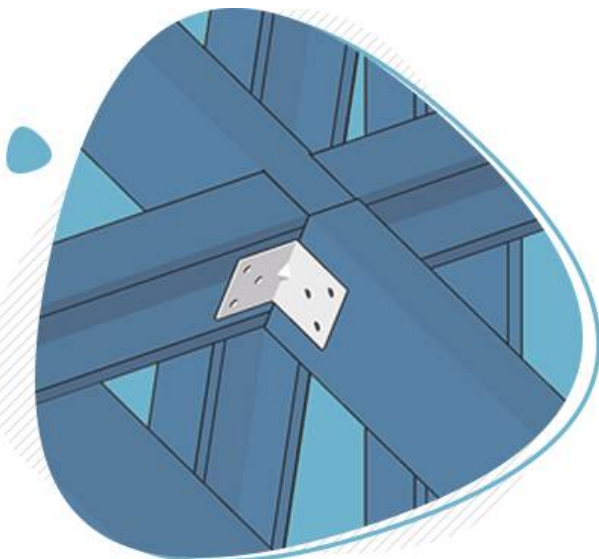
11 TJ-11

SPECIFICATIONS

Model	TJ-11
Name	Angle Bracket, Type B
Size	2 × 50 × 50 × 50 mm 0.08" × 2.0" × 2.0" × 2.0"
Material	SGC440 galvanized steel

APPLICATION

Right-angle connection between light-gauge steel studs; also used for wall-to-wall corner connections.



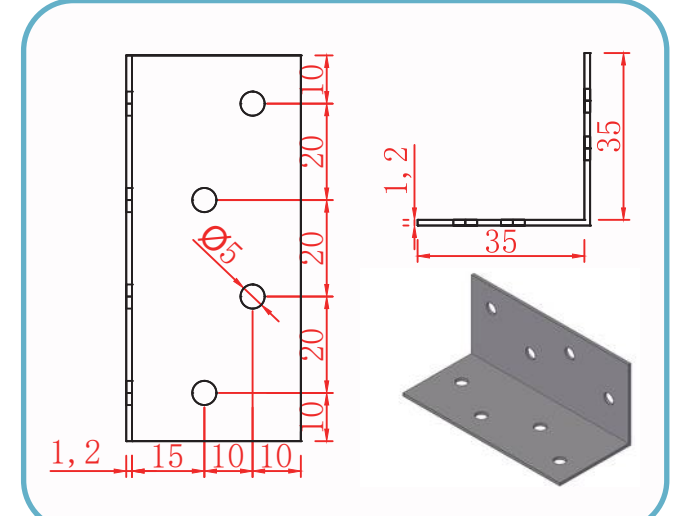
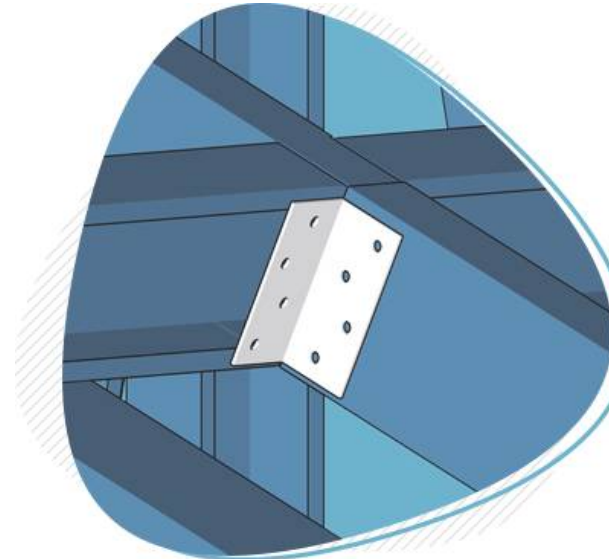
12 BW-1844

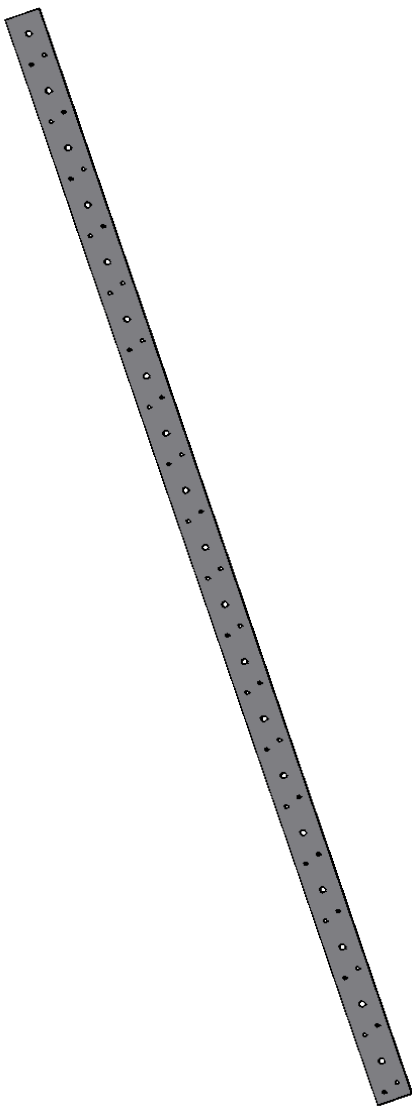
SPECIFICATIONS

Model	BW-1844
Name	Angle Bracket
Size	1.2 × 80 × 35 × 35 mm 0.05" × 3.1" × 1.4" × 1.4"
Material	SGC440 galvanized steel

APPLICATION

Right-angle connection between light-gauge steel studs; also used for wall-to-wall corner connections.



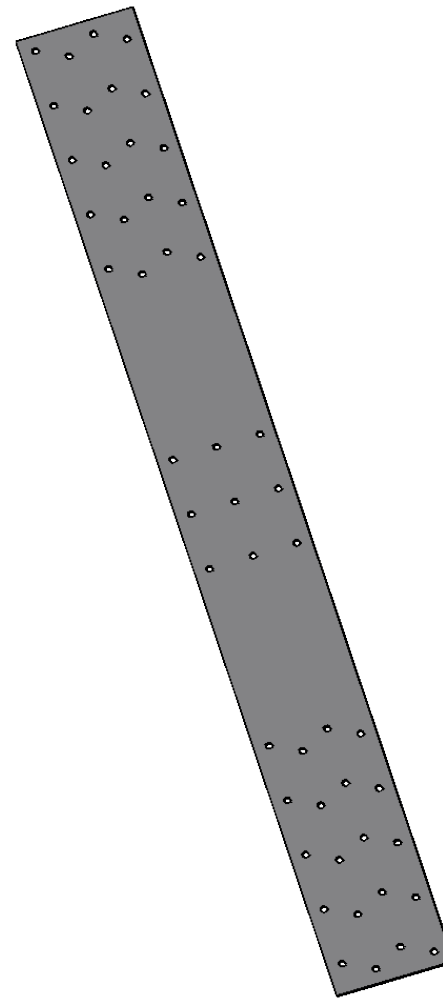
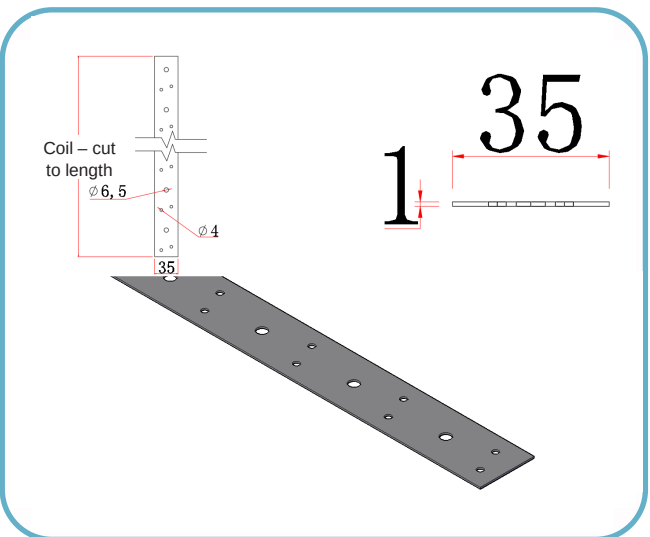
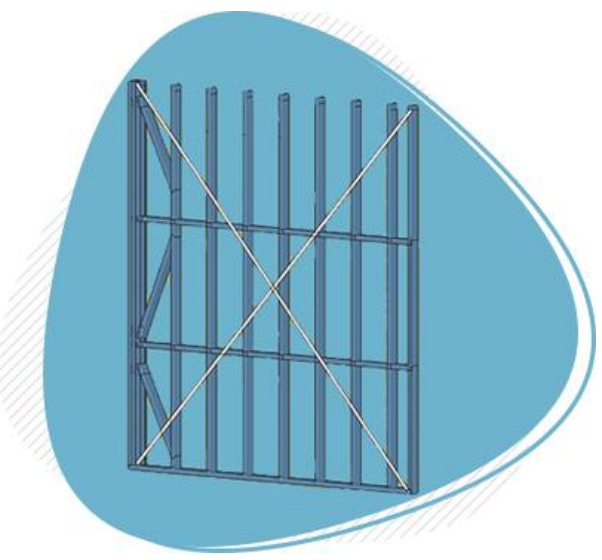


13 LD-13C

SPECIFICATIONS	
Model	LD-13C
Name	Coil Strap
Size	1 × 35 mm, coil 0.04" × 1.4"
Material	SGC440 galvanized steel
Ult. load	18.28 kN (4,110 lbf)

APPLICATION

A versatile strap for wall shear bracing, floor-to-floor tension reinforcement, truss-to-wall reinforcement and more. Supplied in coils so it can be cut to any length on site.

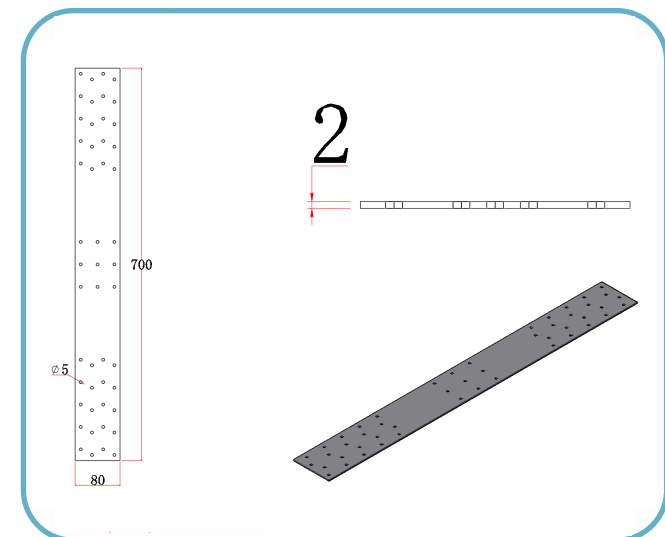
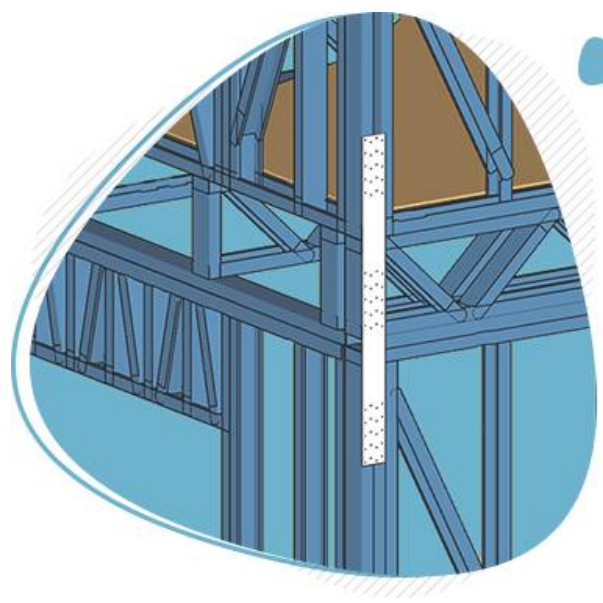


14 LD-2870

SPECIFICATIONS	
Model	LD-2870
Name	Floor-to-Floor Strap
Size	2 × 80 × 700 mm 0.08" × 3.1" × 27.6"
Material	SGC440 galvanized steel

APPLICATION

Connects double studs between upper and lower floors, tying the upper studs, floor truss and lower studs into one unit and greatly increasing the building's structural integrity.



15

Straps

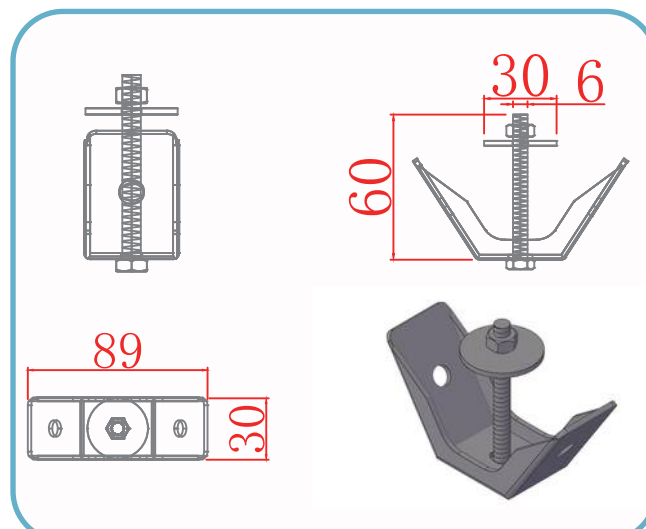
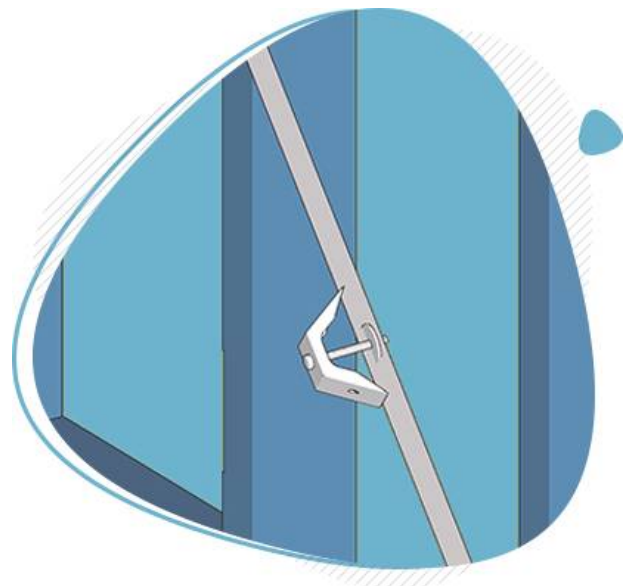
15 TG-249

SPECIFICATIONS

Model	TG-249
Name	Strap Tensioner
Size	2 × 40 × 90 mm 0.08" × 1.6" × 3.5"
Material	SGC440 galvanized steel

APPLICATION

Heavy-duty 2.0 mm tensioner for adjusting the tension of wall shear straps.



16

Joist Hangers

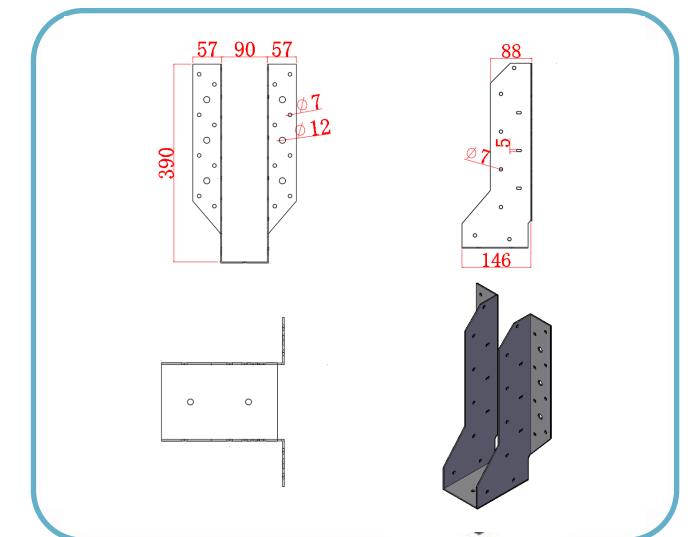
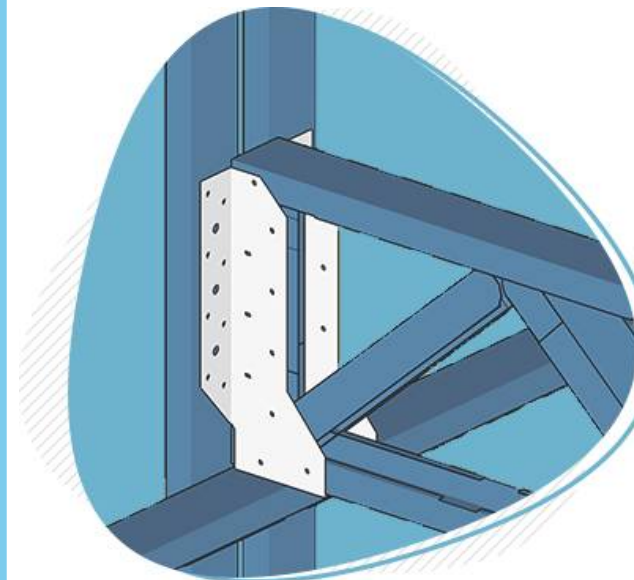
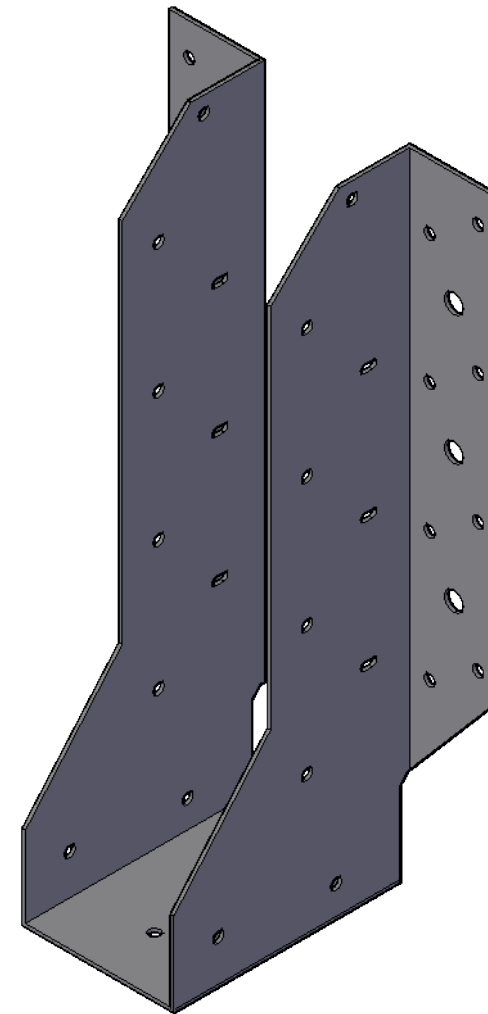
16 JUS-29040

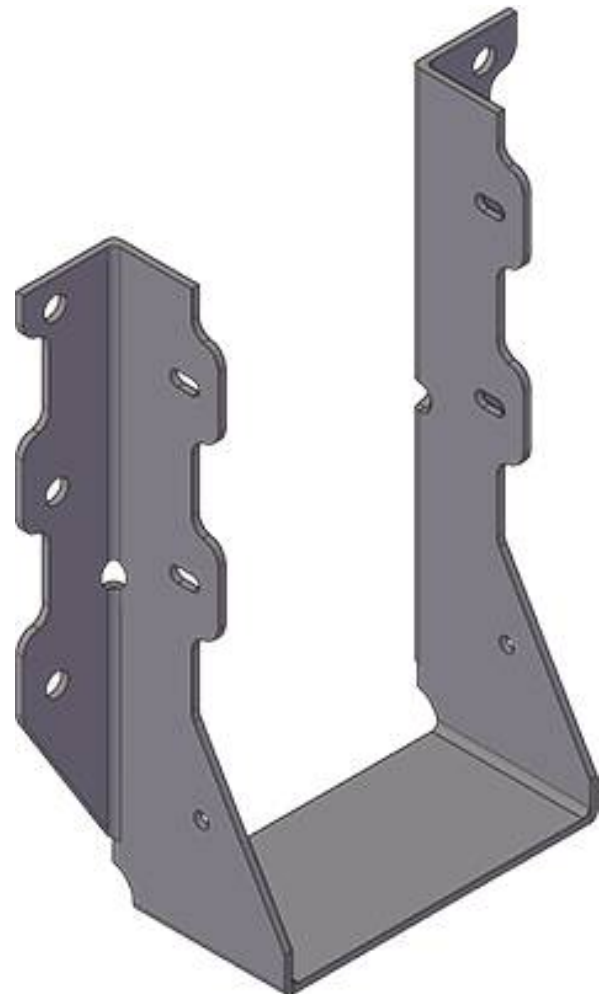
SPECIFICATIONS

Model	JUS-29040
Name	Joist Hanger
Size	2 × 90 × 390 mm 0.08" × 3.5" × 15.4"
Material	SGC440 galvanized steel

APPLICATION

For built-up beams and parallel-chord trusses in light-gauge steel structures. Fits beam sizes 89 × 400 and 90 × 400 mm.





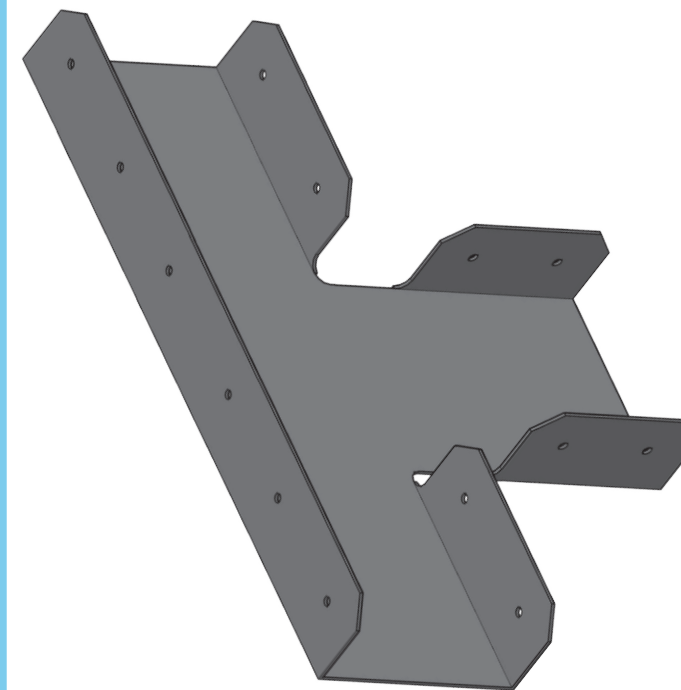
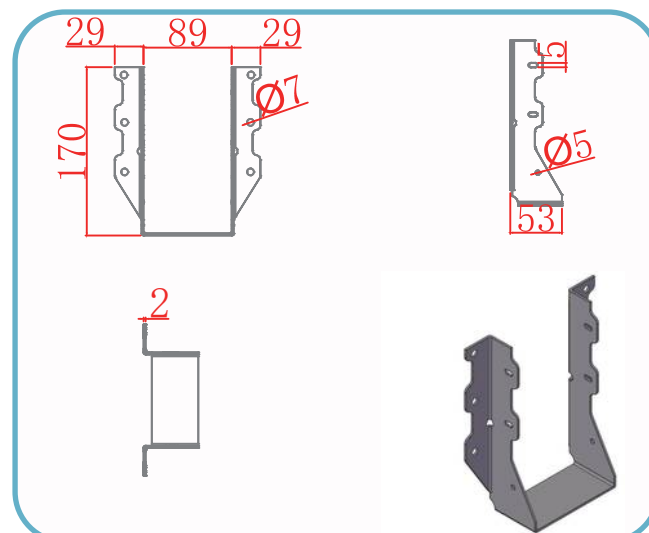
17 JUS-89A

SPECIFICATIONS

Model	JUS-89A
Name	Joist Hanger
Size	2 × 89 × 170 mm 0.08" × 3.5" × 6.7"
Material	SGC440 galvanized steel
Ult. load	28 kN (6,295 lbf)

APPLICATION

Connects 90 mm parallel-chord trusses to walls in light-gauge steel buildings. Recommended for trusses up to 300 mm deep; for deeper trusses, use mBracket medium or large joist hangers.



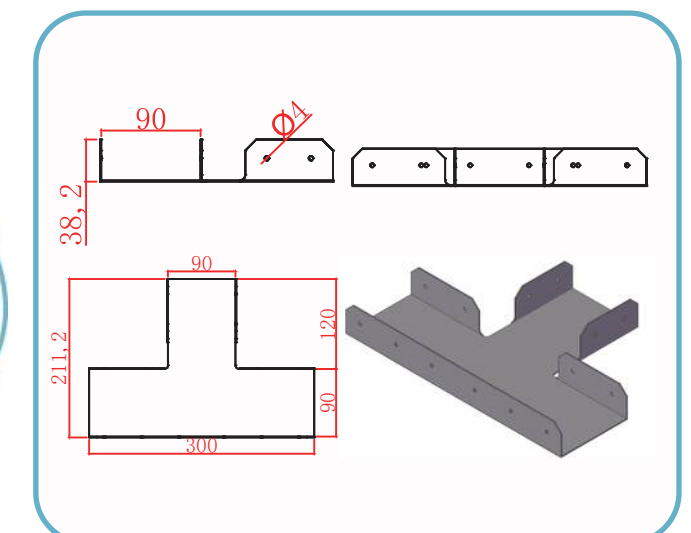
18 TU-12130

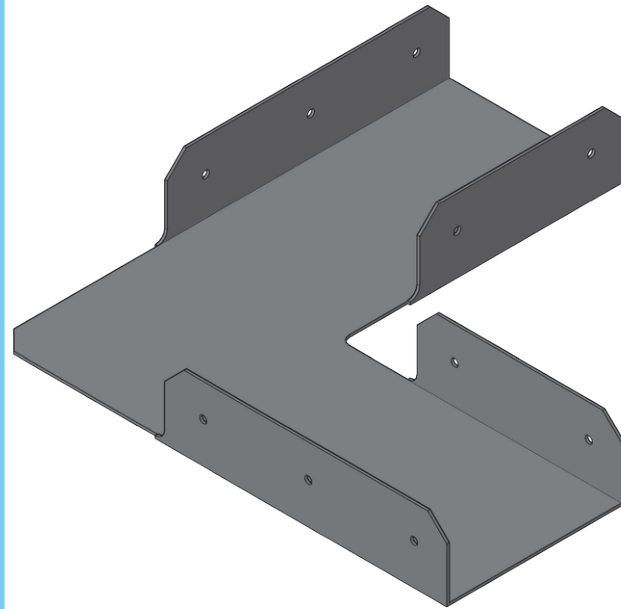
SPECIFICATIONS

Model	TU-12130
Name	TU Connector
Size	1.2 × 210 × 300 mm 0.05" × 8.3" × 11.8"
Material	SGC440 galvanized steel

APPLICATION

Perpendicular (T-junction) connection between walls in light-gauge steel buildings.





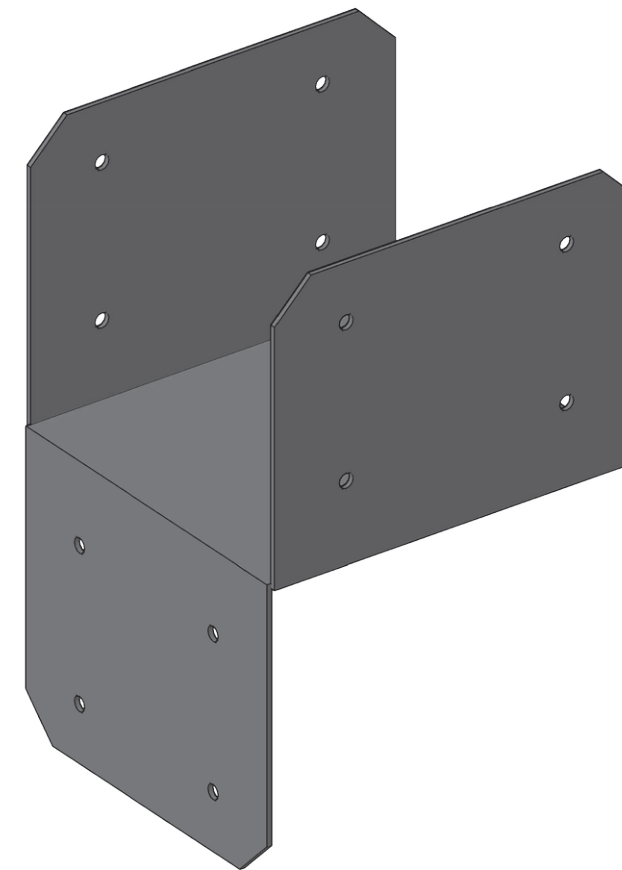
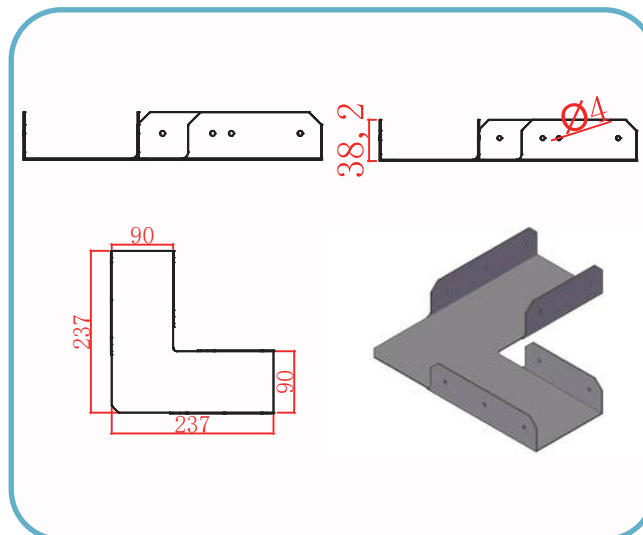
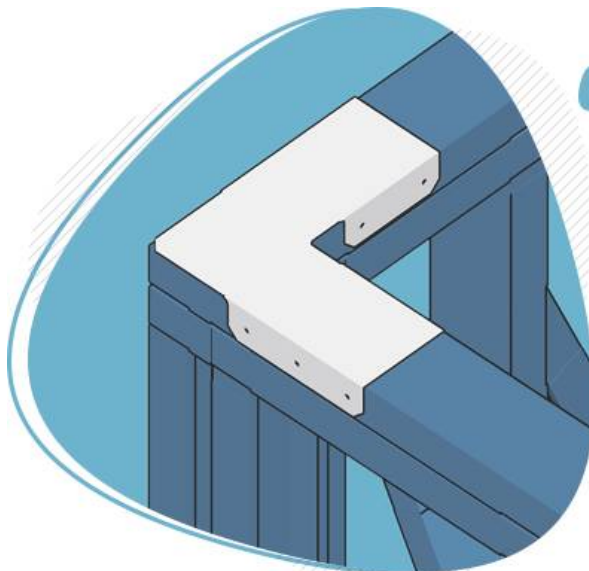
19 LU-12424

SPECIFICATIONS

Model	LU-12424
Name	LU Connector
Size	1.2 × 240 × 240 mm 0.05" × 9.4" × 9.4"
Material	SGC440 galvanized steel

APPLICATION

L-shaped corner connection between walls in light-gauge steel buildings.



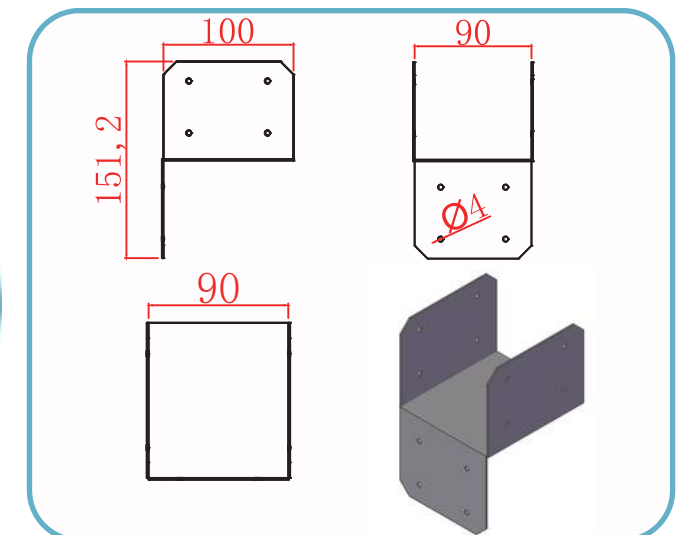
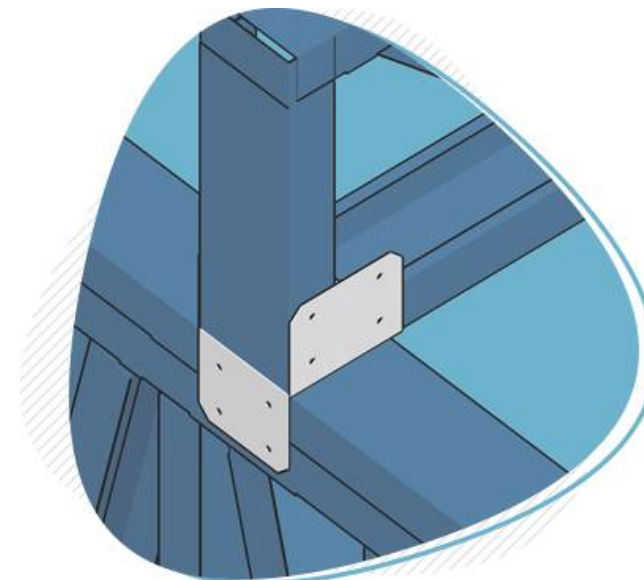
20 HU-11510

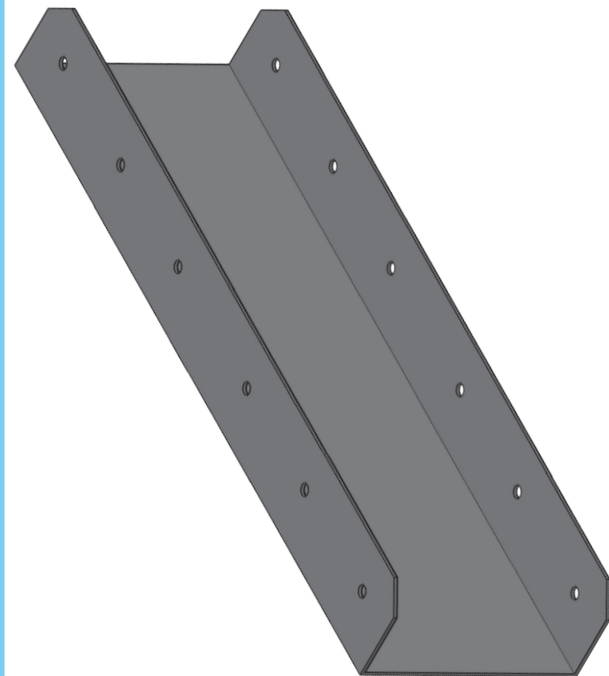
SPECIFICATIONS

Model	HU-11510
Name	HU Connector
Size	1.2 × 150 × 100 mm 0.05" × 5.9" × 3.9"
Material	SGC440 galvanized steel

APPLICATION

Light-gauge steel connector for wall-to-truss connections.





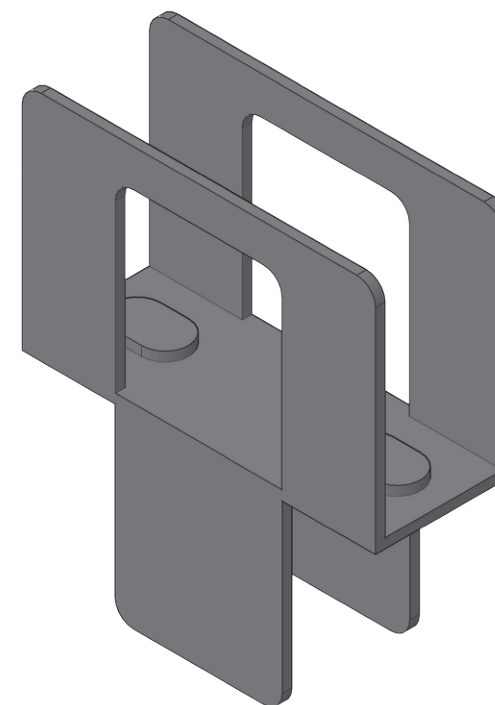
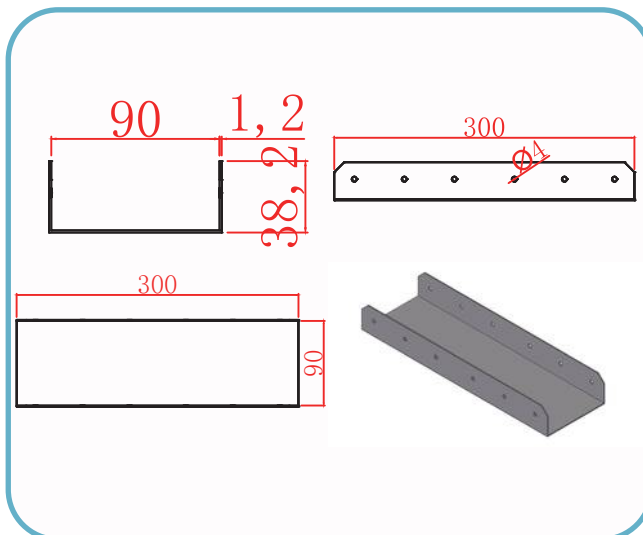
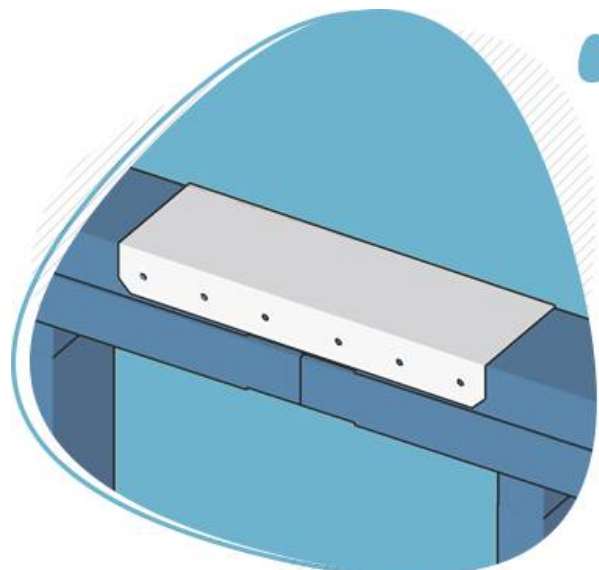
21 IU-1930

SPECIFICATIONS

Model	IU-1930
Name	IU Connector
Size	1.2 × 90 × 300 mm 0.05" × 3.5" × 11.8"
Material	SGC440 galvanized steel

APPLICATION

Light-gauge steel connector for straight, in-line wall connections.



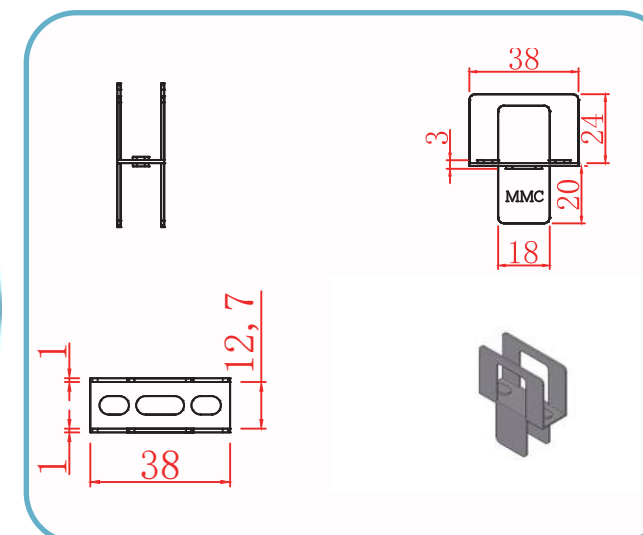
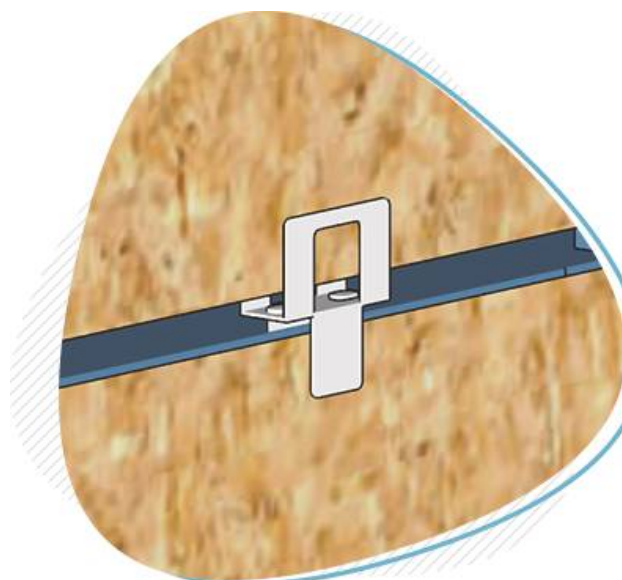
22 HC-1238

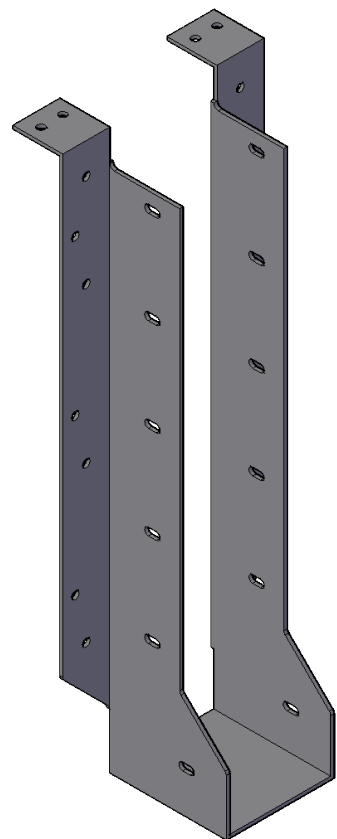
SPECIFICATIONS

Model	HC-1238
Name	OSB Panel Clip (H-Clip)
Size	1 × 12.7 × 38 mm 0.04" × 0.50" × 1.5"
Material	SGC440 galvanized steel

APPLICATION

Maintains the correct gap between exterior OSB sheathing panels, preventing buckling when panels swell with moisture. Small part, big difference.





23 JUS-6536L

SPECIFICATIONS

Model	JUS-6536L
Name	I-Joist Hanger
Size	2 × 65 × 356 mm 0.08" × 2.6" × 14.0"
Material	SGC440 galvanized steel

APPLICATION

Hanger and support for I-joists.

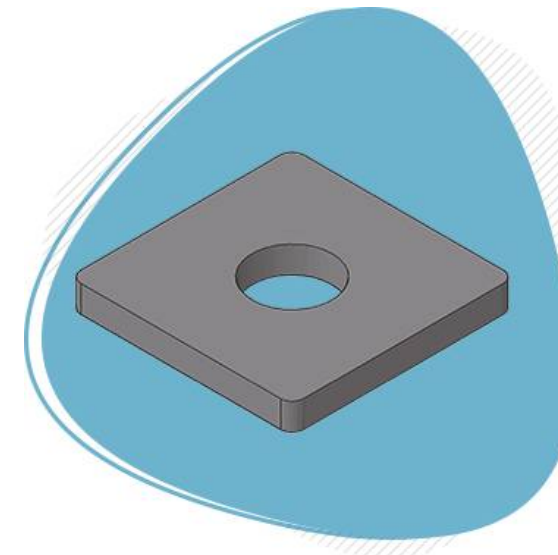
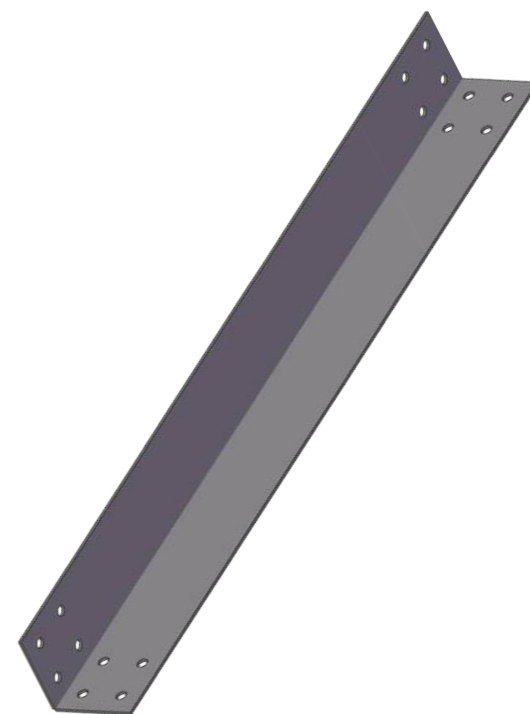
24 BW-1439

SPECIFICATIONS

Model	BW-1439
Name	Truss Reinforcing Angle
Size	1.2 × 40 × 40 × 390 mm 0.05" × 1.6" × 1.6" × 15.4"
Material	SGC440 galvanized steel

APPLICATION

Reinforcing angle for parallel-chord trusses; also used as a corner connector.



25 PL-655

SPECIFICATIONS

Model	PL-655
Name	Square Plate Washer
Size	6 × 50 × 50 mm 0.24" × 2.0" × 2.0"
Material	Electro-galvanized steel Custom sizes available

APPLICATION

Heavy-duty plate washer. Used with mBracket hold-downs to significantly increase uplift capacity, or with threaded rods for floor-to-floor connections.

26 TG-368

SPECIFICATIONS

Model	TG-368
Name	Strap Tensioner
Size	3 × 63 × 78 mm 0.12" × 2.5" × 3.1"
Material	SGC440 galvanized steel

APPLICATION

Adjusts the tension of wall shear straps up to 50 mm wide.

