AUSTek.

Zero Weld

Innovating the way you join steel

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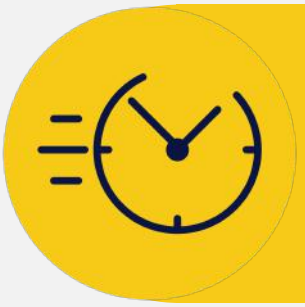
About ZeroWeld

Introducing the innovative ZeroWeld bracket range, a revolutionary solution that eliminates the need for welding in various applications. These cutting-edge brackets are designed to securely hold and connect components without the time-consuming and complex welding process. With their unique design and functionality, Zero Weld Brackets open a new realm of possibilities for professionals in various industries.

Crafted with a minimum of 1.5mm thick galvanised steel, AUSTeks Zero Weld brackets feature a robust and durable construction, ensuring exceptional strength and reliability. They are engineered comply with Australian standards. They will withstand heavy loads, vibrations, and other demanding conditions, making it ideal for applications where traditional welding may pose challenges.

One of the key advantages of Zero Weld brackets are their simplicity of installation. Unlike welding, which requires specialized equipment, training, and safety measures, Zero Weld brackets offer a hassle-free installation process. Simply align the components and secure them using Zero Weld Brackets, reducing both the time and effort required to complete a project..



The versatility of Zero Weld brackets is another remarkable aspect. They can be employed in numerous industries, including construction and even DIY projects. Whether you need to connect metal frames, support structures, or intricate assemblies, Zero Weld brackets provide a reliable and efficient solution.

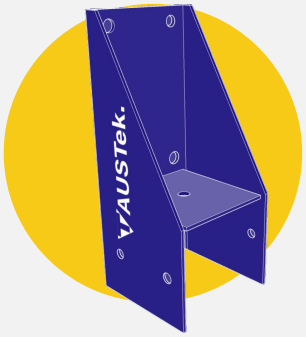
Our Range

ZW - (ZeroWeld) Page 04-05

For joining RHS (Regtangular Hollow Section), SHS (Square Hollow Section) or C-Section on a 0 to 5 degree pitch

PZW - (PitchedZeroWeld) Page 06-07

For joining RHS (Regtangular Hollow Section), or C-Section on a 22 or 15 degree pitch



JZW - (JoistZeroWeld) Page 08-09

For joining RHS (Rectangular Hollow Section) Bearers to RHS Joist.

ZW (Zero Weld)

Zero Weld brackets are joining RHS (Regtangular Hollow Section), SHS (Square Hollow Section) or C-Section on a 0 to 5 degree pitch

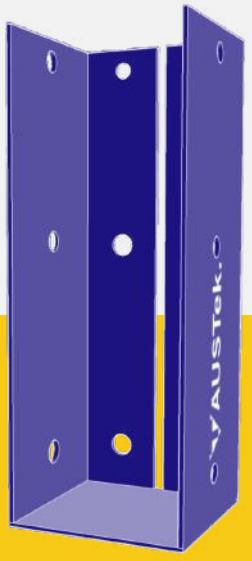
Sizes

(In millimetres)

ZW50
50x50

ZW75
50x75

ZW100
50x100



ZW150
50x150

Australian Standards

BRACKET NO.	SIZE	MAX. WORKING LOAD FOR BRACKET
	mmxmm	Kn (Kilonewtons)
ZW50	50x50	9.00
ZW75	50x75	9.75
ZW100	50x100	9.72
ZW150	50x150	10.42

AS1770.0 General Principles

AS1770.1 Dead and Live Loads

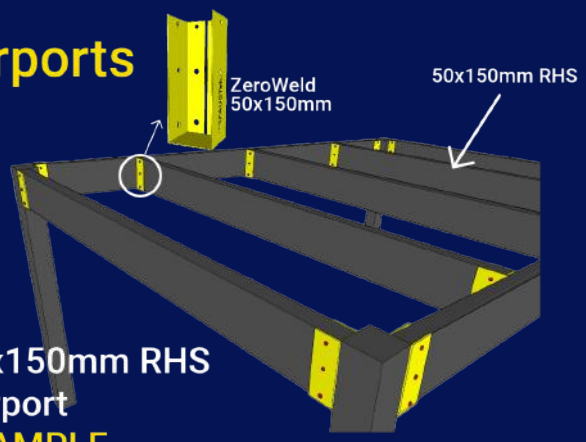
AS4600 Cold-formed Steel Structures

AUSTek.

ZW (ZeroWeld)

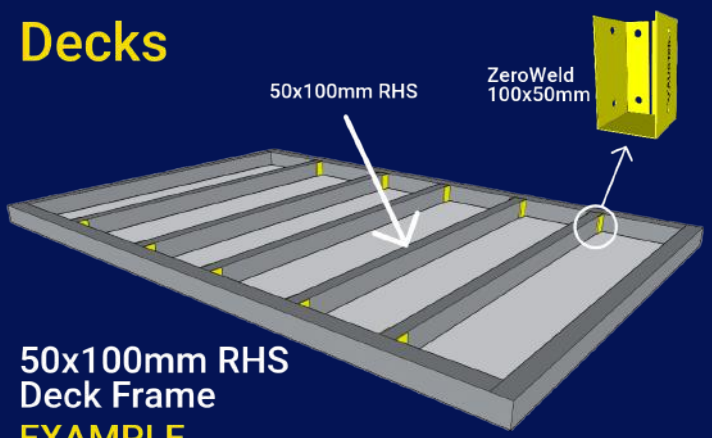
Examples

Carports

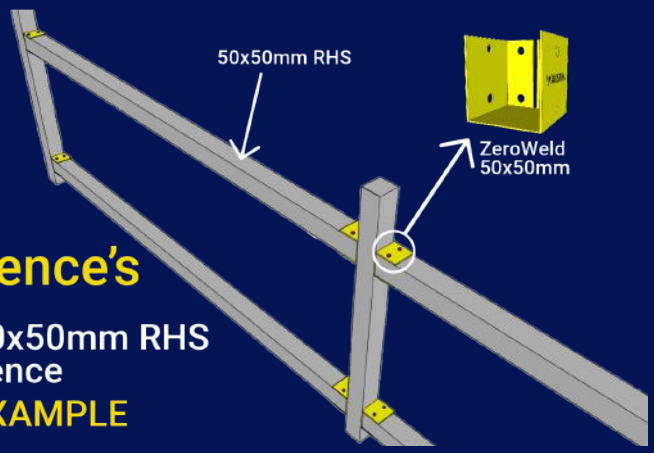


50x150mm RHS
Carport
EXAMPLE

Decks



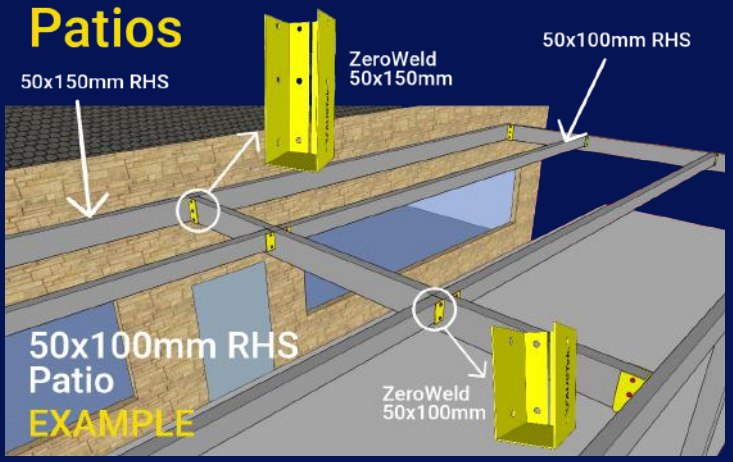
50x100mm RHS
Deck Frame
EXAMPLE



Fence's

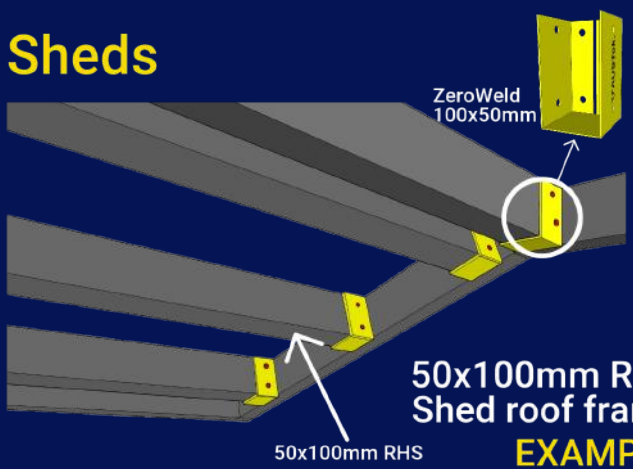
50x50mm RHS
Fence
EXAMPLE

Patios



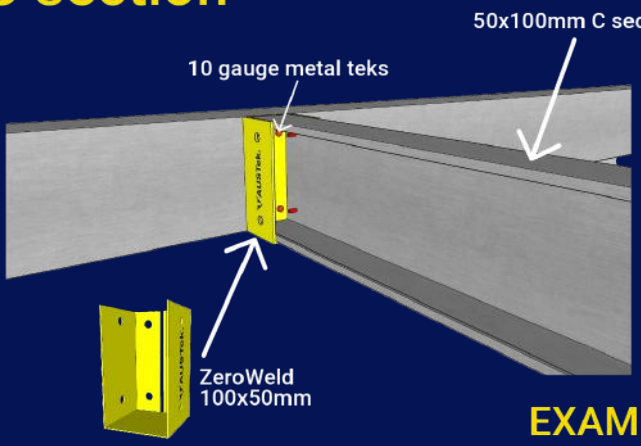
50x100mm RHS
Patio
EXAMPLE

Sheds



50x100mm RHS
Shed roof frame
EXAMPLE

C section



EXAMPLE

PZW
(Pitched Zero Weld)

For joining RHS (Regtangular Hollow Section), or C-Section on a 22 or 15 degree pitch

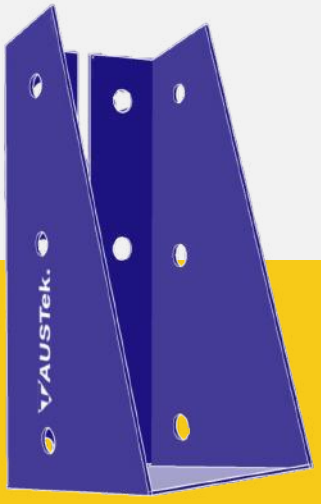
Sizes

(In millimetres)

PZW15100
50x100
15 Degrees

PZW22100
50x100
22 Degrees

PZW15150
50x150
15 Degrees



PZW22150
50x150
22 Degrees

Australian Standards

BRACKET NO.	SIZE	PITCH	MAX. WORKING LOAD FOR BRACKET
	mmxmm	Degrees	Kn (Kilonewtons)
PZW15100	50x100	15	9.7
PZW22100	50x100	22	9.7
PZW15150	50x100	15	14.58
PZW22150	50x150	22	14.58

AS1770.0 General Principles

AS1770.1 Dead and Live Loads

AS4600 Cold-formed Steel Structures

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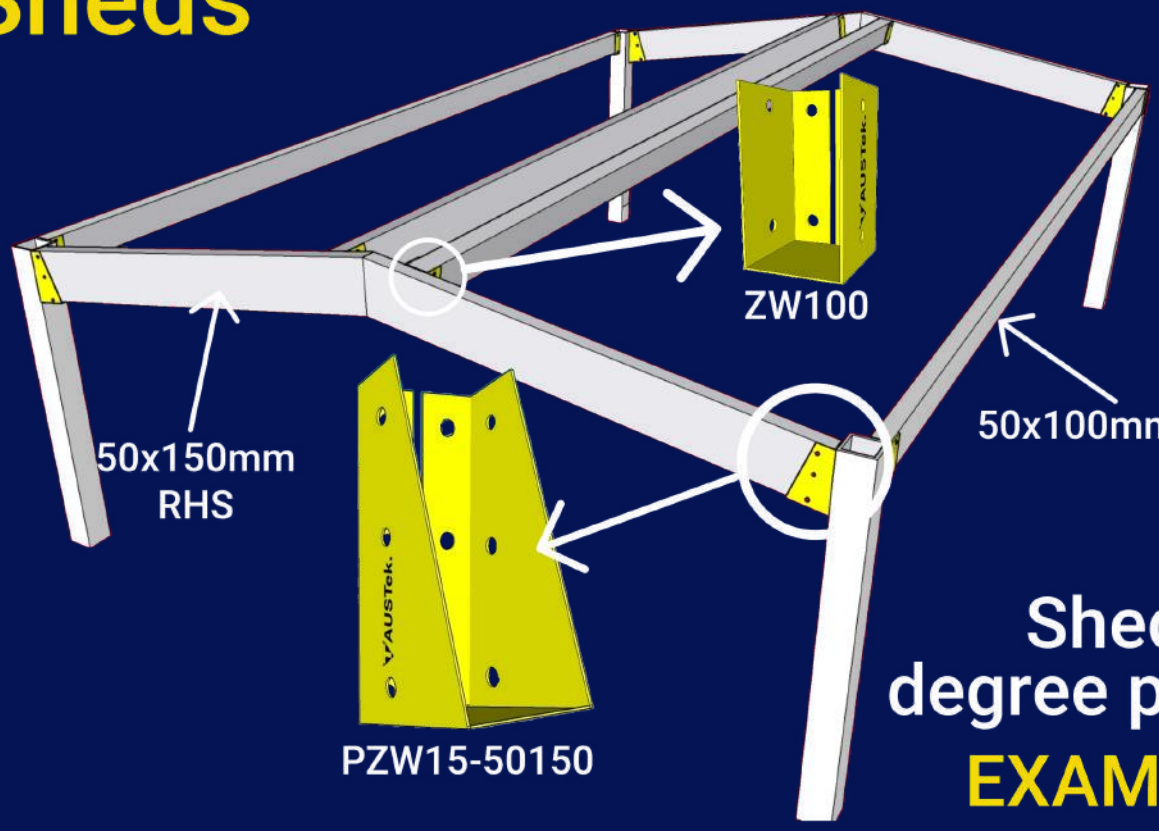
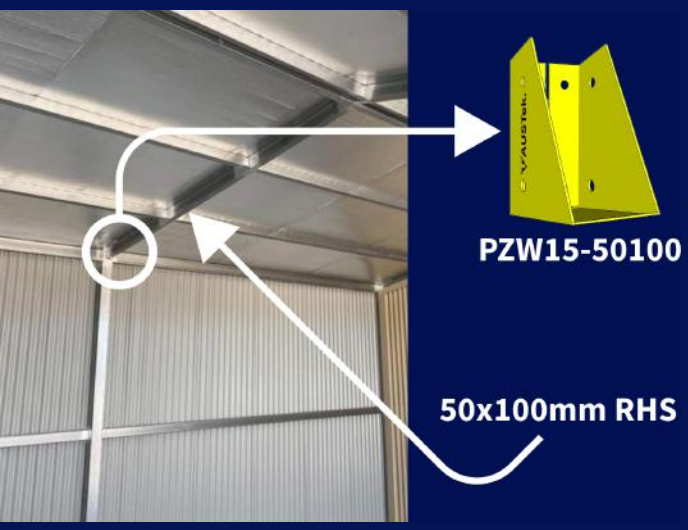
PZW (PitchedZeroWeld)

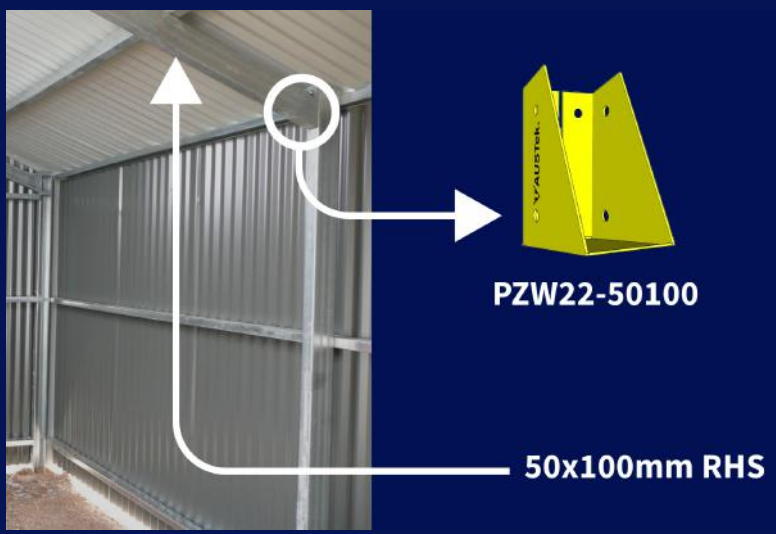
Examples

Sheds



Shed 15 degree pitch EXAMPLE





JZW
(Joist Zero Weld)

For joining RHS (Rectangular Hollow Section) Bearers to RHS Joist

Size
(In millimetres)

JZW

50x150mm/ Suits 50x100mm and 50x150mm RHS.

Australian Standards

BRACKET NO.	SIZE	MAX. WORKING LOAD FOR BRACKET
	mmxmm	Kn (Kilonewtons)
JZW	50x150	17.38

AS1770.0 General Principles

AS1770.1 Dead and Live Loads

AS4600 Cold-formed Steel Structures

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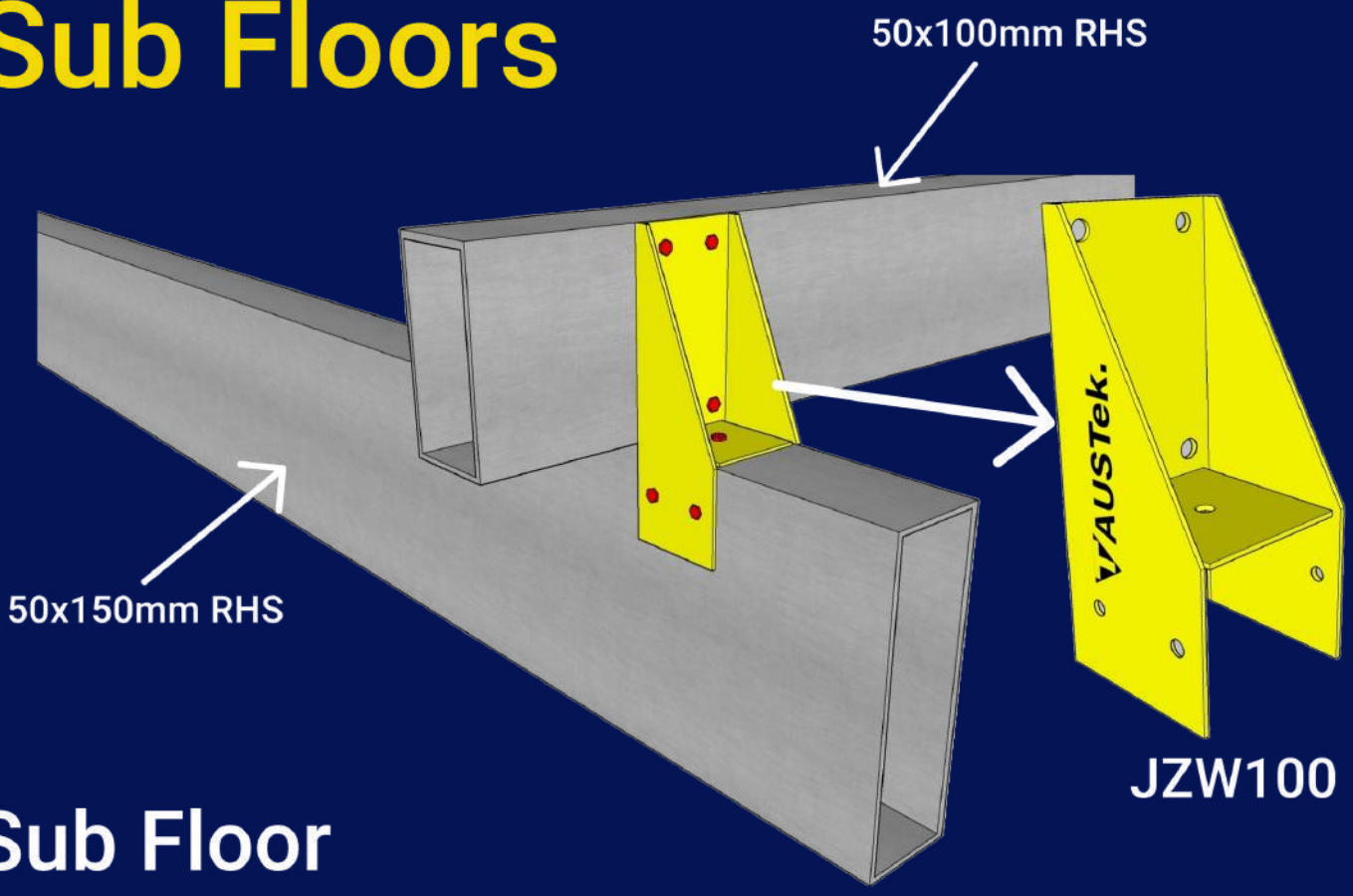
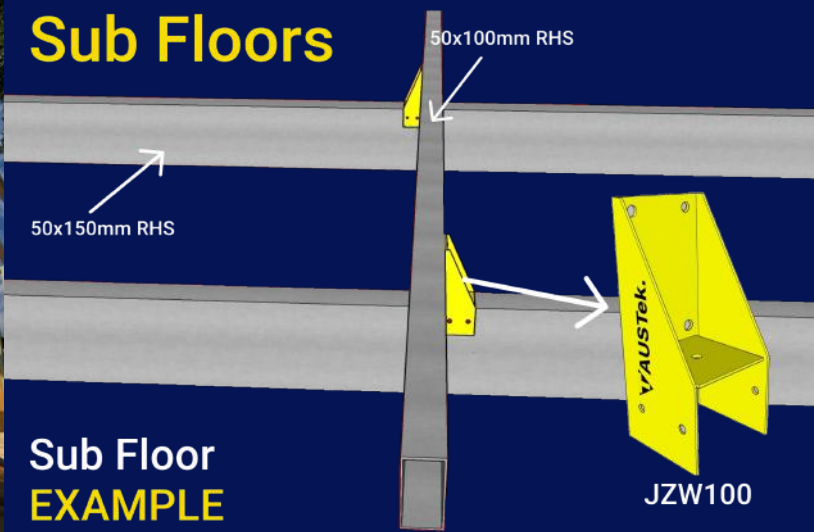
JZW (JoistZeroWeld)

Examples

Sub Floors



Sub Floor EXAMPLE



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Installing ZW & PZW

Step: 1

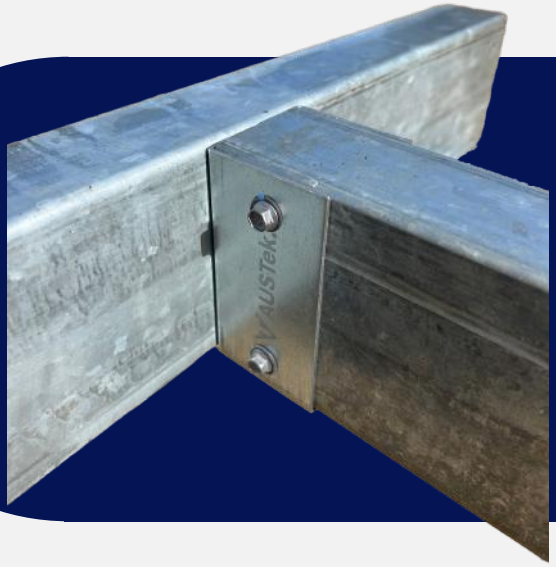
Screw ZW or PZW bracket into place

Step: 2

Insert RHS beam into ZW or PZW bracket

Step: 3

Screw ZW or PZW bracket to RHS beam



Recommended Fasteners

Minimum 10 gauge metal teks

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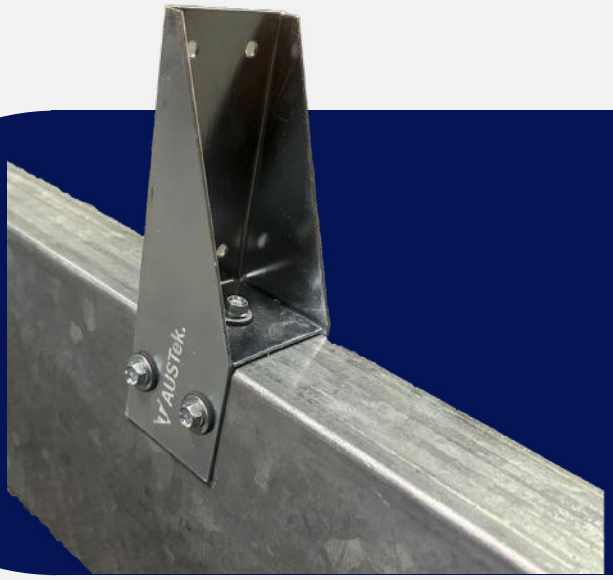
Installing JZW

Step: 1

Screw JZW bracket into place



Step: 2

Place RHS joist in front of JZW bracket

Step: 3

Screw JZW bracket to RHS joist

Recommended Fasteners

Minimum 10 gauge metal teks

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About AUSTek.

Welcome to Austek Brackets, where innovation meets excellence in the world of steel construction brackets. We are a pioneering business dedicated to transforming the construction industry by providing state-of-the-art solutions that eliminate the need for welding. Our mission is to make construction safer, faster, and more cost-effective, one bracket at a time.

our ambition is to embark on a journey to develop groundbreaking alternatives. Through relentless research, development, and innovation, we have successfully created a range of steel construction brackets that are changing the game.

Founded in 2022, Austek Brackets was born out of a vision to revolutionize the way steel structures are built.

What Do We do?

At Austek Brackets, our vision is clear: to be at the forefront of innovation in the construction industry. We design and manufacture steel brackets removing the need to weld empowering builders, engineers, and architects with the tools they need to construct safer, more reliable, and more sustainable structures, all while reducing the overall cost and time involved.

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