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Zero Weld

Innovating the way you join steel

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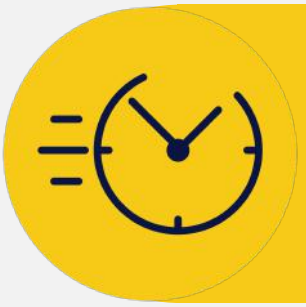
About ZeroWeld

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 using a minimum of 1.5mm thick galvanised steel, AUSTek Zero Weld brackets feature a robust and durable construction, ensuring exceptional strength and reliability. All AUSTek products are engineered to comply with Australian standards and will withstand heavy loads, vibrations, and other demanding conditions, making them 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 4-5

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

PZW - (PitchedZeroWeld) Page 6-7

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

JZW - (JoistZeroWeld) Page 9-10

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

ZW (Zero Weld)

Zero Weld brackets are for joining RHS (Rectangular 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

AS 1770.0 General Principles

AS 1770.1 Dead and Live Loads

AS 4600 Cold-formed Steel Structures

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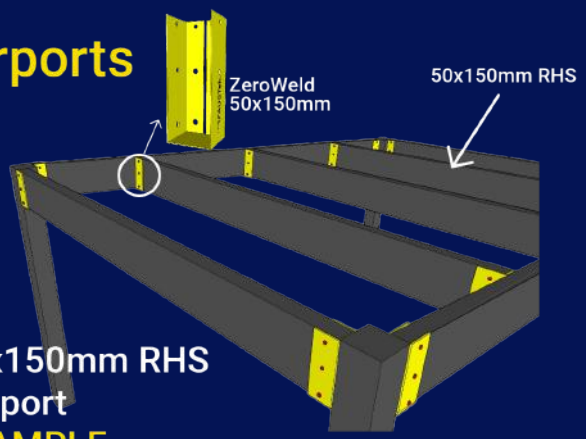
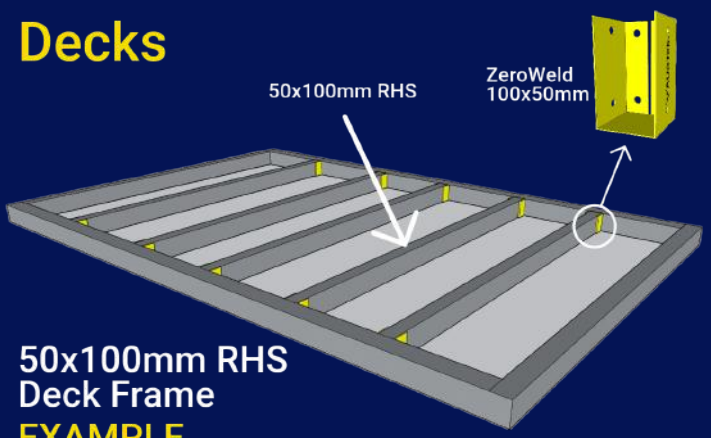
ZW (ZeroWeld)
Examples

Carports

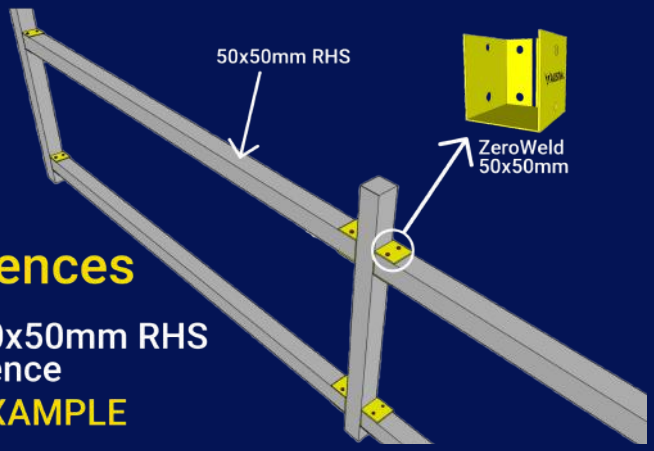


50x150mm RHS
Carport
EXAMPLE

Decks



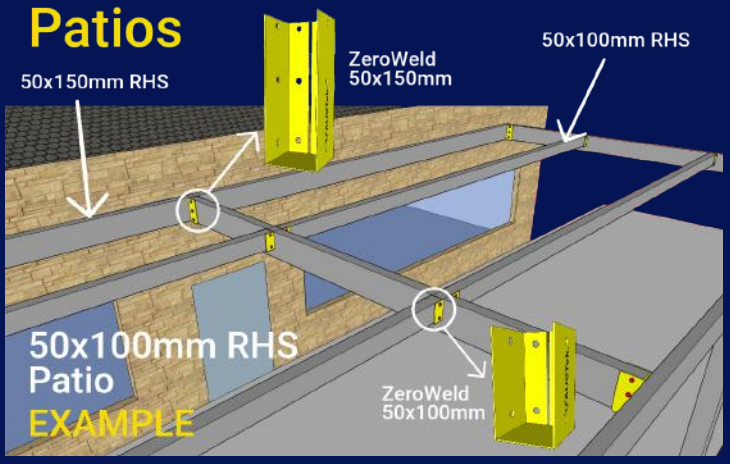
50x100mm RHS
Deck Frame
EXAMPLE



Fences

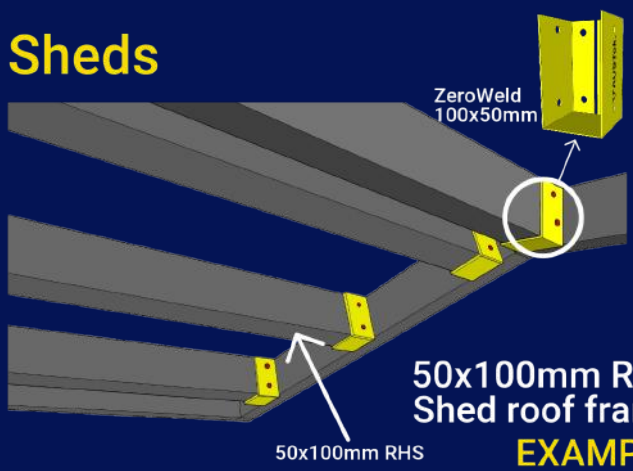
50x50mm RHS
Fence
EXAMPLE

Patios



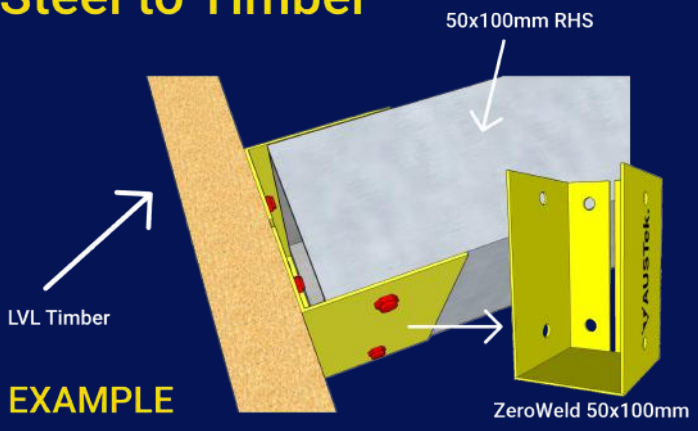
50x100mm RHS
Patio
EXAMPLE

Sheds



50x100mm RHS
Shed roof frame
EXAMPLE

Steel to Timber



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

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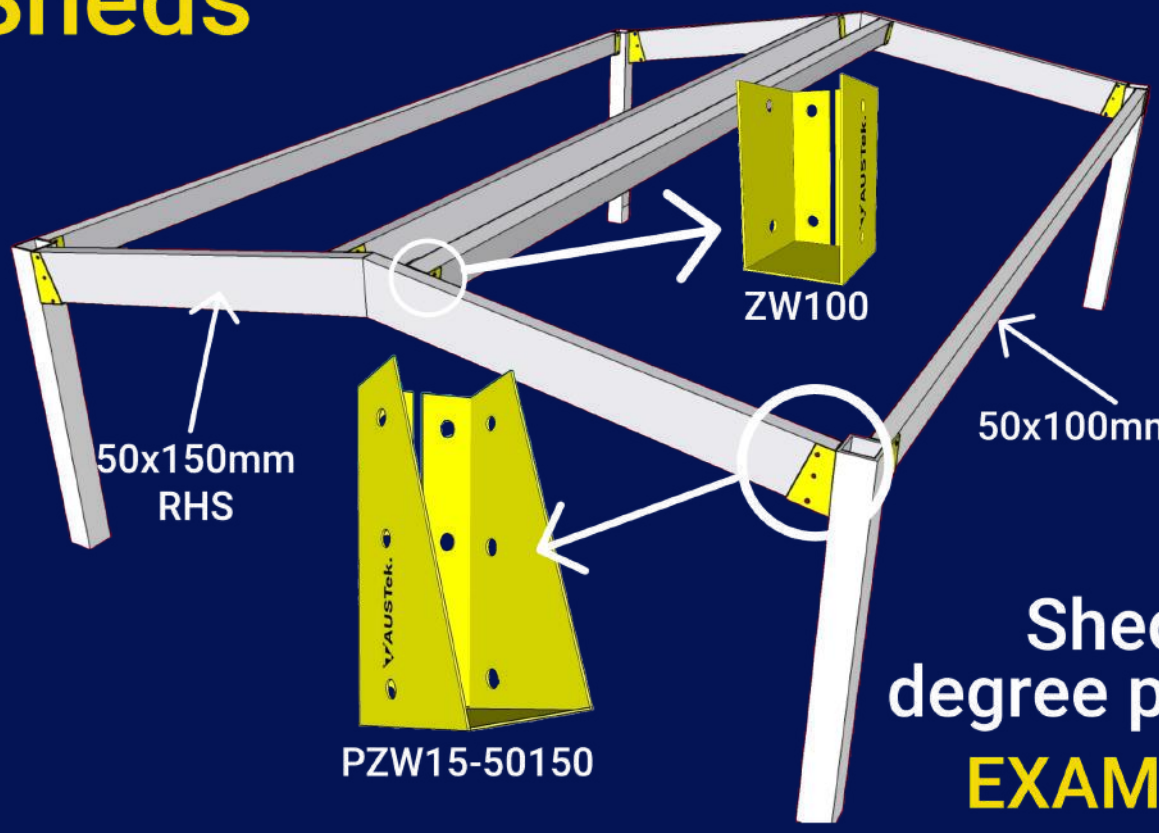
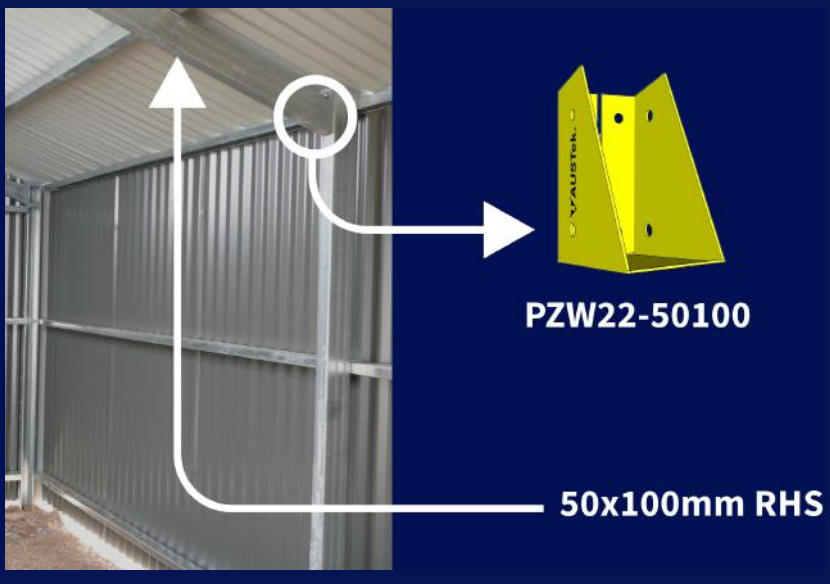
PZW (PitchedZeroWeld)

Examples

Sheds





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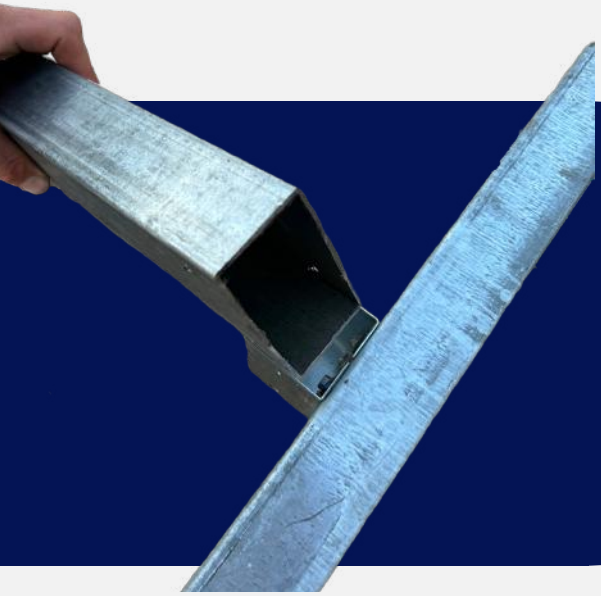
Installing ZW & PZW

Step 1:

Screw ZW or PZW bracket into place

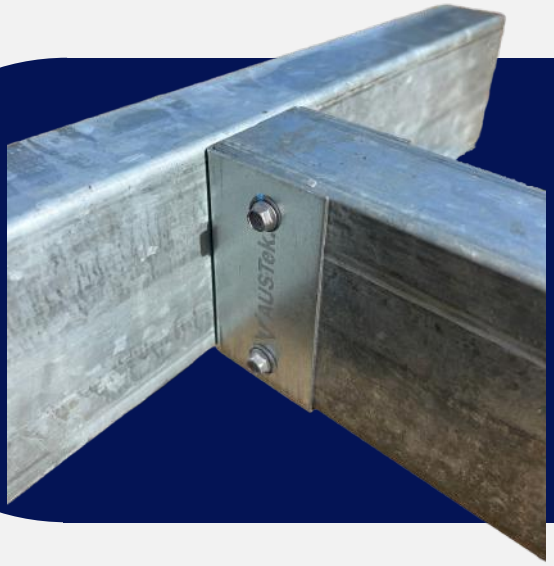


Step 2:

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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JZW (Joist Zero Weld)

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

Size

(In millimetres)

JZW75

50x125

To suit 50x75mm bearer or any joist size

JZW100

50x150

To suit 50x100mm bearer or any joist size

Australian Standards

BRACKET NO.	SIZE	MAX. WORKING LOAD FOR BRACKET
	mmxmm	kN (Kilonewtons)
JZW75	50x125	16.2
JZW100	50X150	17.38

AS 1770.0 General Principles

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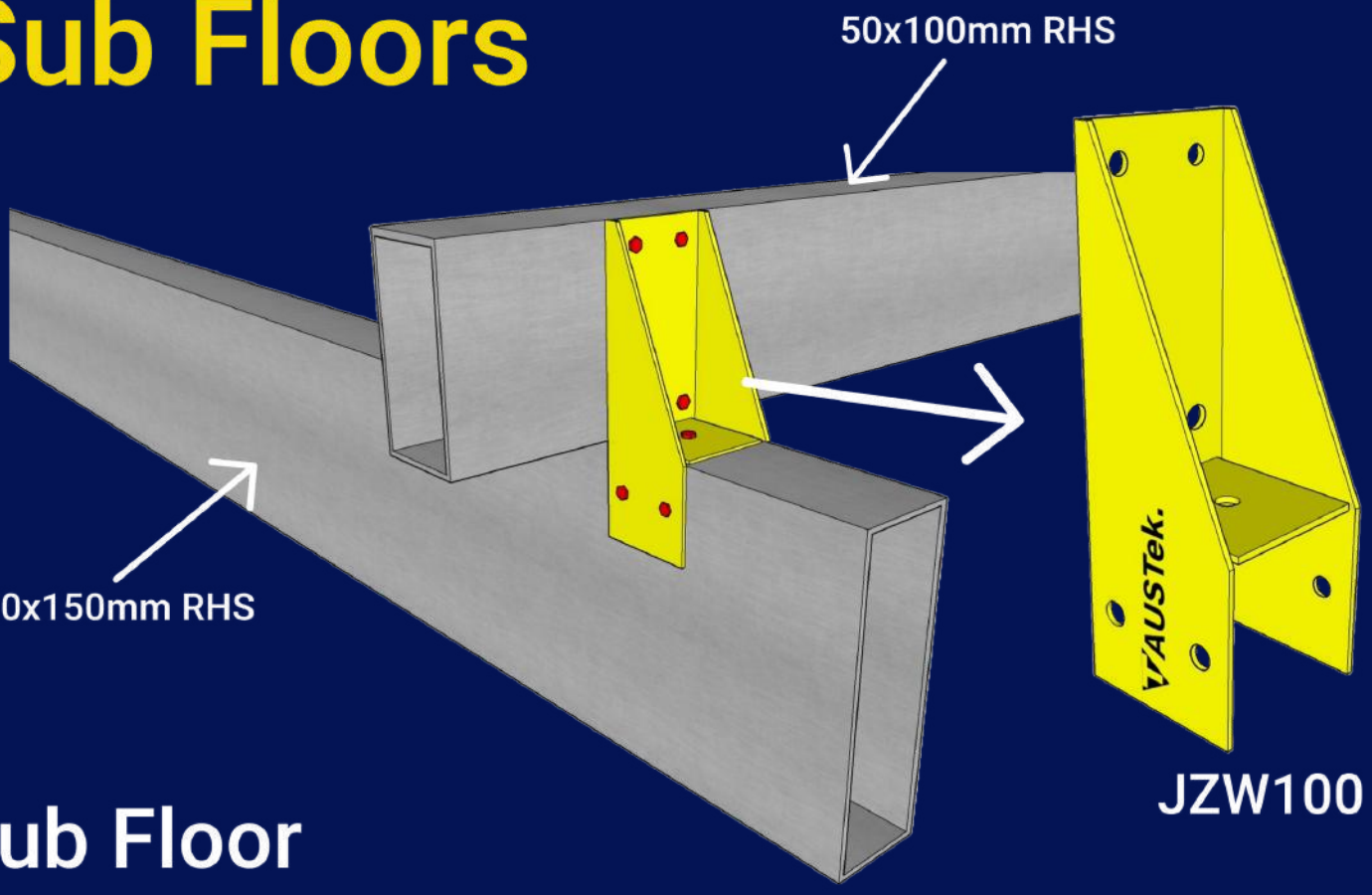
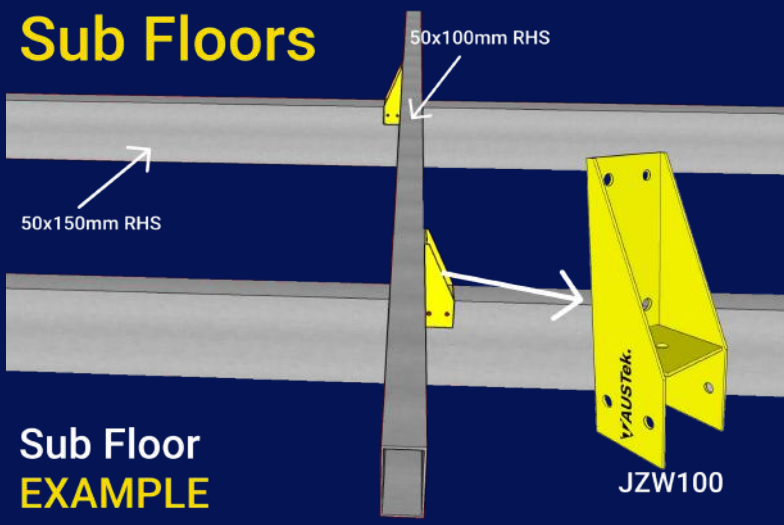
JZW (JoistZeroWeld)

Examples

Sub Floors



Sub Floor EXAMPLE



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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.
0ur 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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