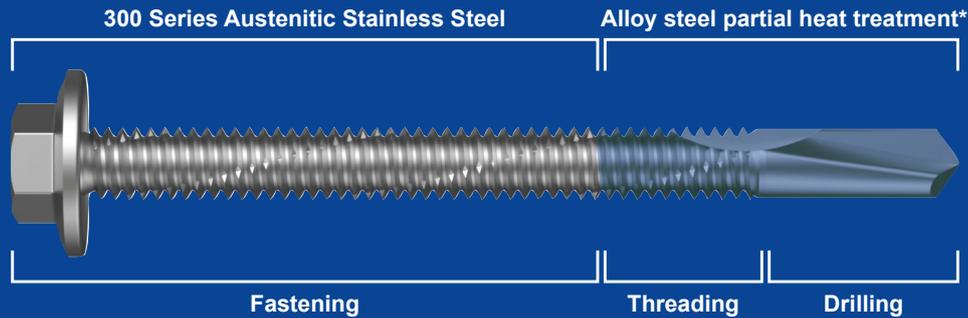


# Bi-FIX™



<p>Metal SS 304 BI-Metal</p> <p>HEX HEAD</p> <p>T4MXHH</p>	<p>Metal SS 304 BI-Metal</p> <p>HEX HEAD WITH ALUM SEAL</p> <p>T4MXAH</p>	<p>Metal SS 304 BI-Metal</p> <p>PAN HEAD PHILLIPS</p> <p>T4MXPP</p>	<p>Metal SS 304 BI-Metal</p> <p>WAFER HEAD PHILLIPS</p> <p>T4MXWP</p>	<p>Metal SS 316 BI-Metal</p> <p>WAFER HEAD SQUARE DR</p> <p>T6MXWQ</p>
<p>Metal SS 304 BI-Metal</p> <p>PAN HEAD SQUARE DR</p> <p>T4MXPQ</p>	<p>s500 SS 304 BI-Metal</p> <p>HEX HEAD FLANGE</p> <p>T4X5FH</p>	<p>Metal SS 304 BI-Metal</p> <p>CSK HEAD WITH WINGS SQUARE DR</p> <p>T4XGXRQ</p>	<p>s500 SS 304 BI-Metal</p> <p>CSK HEAD WITH WINGS SQUARE DR</p> <p>T4XHXRQ</p>	

A Bi-Metallic screw, is comprised of two metal types. The point is manufactured from high carbon steel that is heat treated to give it the ability to self-drill. The head section is manufactured from a corrosion resistant stainless steel (304 or 316). The two metals are “fused together” to form a screw that offers excellent self-drilling properties, combined with exceptional corrosion resistance.

## Protective Coating

Hobson Bi-metallic screws are all coated with a metallic zinc layer and then a second baked top coat that provides an extra layer of corrosion protection and lubrication. This protective coating offers an added benefit of reducing the electrolytic corrosion potential. Our 304 range is coated with a 1000hr protection coating and our 316 range is coated with a 1500hr protection coating.

\*Colour for illustrative purposes only.

Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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1905101D



## Stainless Steel Bi-Metallic Screws

### Applications

#### 304 Bi-Metallic Screws:

- › Stainless sheeting or cladding
- › Aluminium sheeting or cladding
- › General purpose with good corrosion resistance

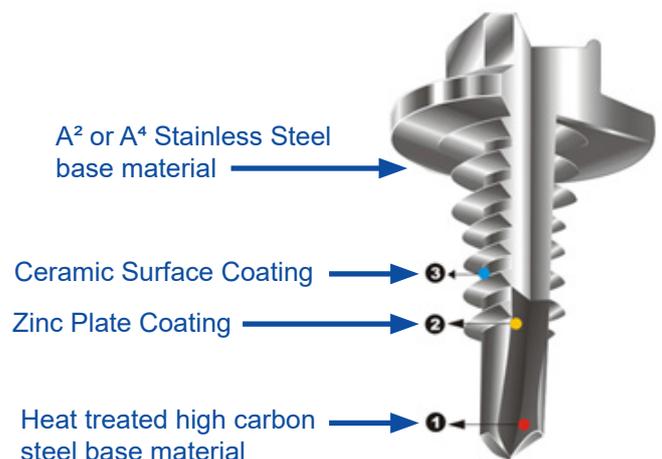
#### 316 Bi-Metallic Screws:

- › Stainless sheeting or cladding
- › Aluminium sheeting or cladding
- › Fibreglass sheeting or cladding
- › Used where a higher corrosion resistance is required
- › Severe marine environments
- › Fertiliser facilities
- › Chemical and Petrochemical Industries

### Features of Hobson Bi-Metallic Screws:

#### Protective Coating:

Hobson Bi-Metallic screws are coated with a metallic zinc layer and then a second baked top coat that provides an extra layer of corrosion protection and lubrication. This protective coating offers an added benefit of reducing the electrolytic corrosion potential. Our 304 range is coated with a 1000hr protection coating and our 316 range is coated with a 1500hr protection coating.



### Where not to use a Bi-Metallic:

A Bi-Metallic screw should never be used on steel pre-painted roof sheeting or cladding. This results in an area of corrosion approximately 40mm in diameter on the roof sheeting around the screw head.



# Bi-FIX™



## Stainless Steel Bi-Metallic Screws

### Chemical Composition:

Steel	C max	Si max	Mn max	P max	S max	Ni	Cr	Mo	Cu
SUS 304	0.08	1.00	2.00	0.045	0.030	8.00-10.00	18.00-20.00	-	-
SUS 316	0.03	1.00	2.00	0.045	0.030	10.00-14.00	16.00-18.00	2.00-3.00	3.00-4.00

Note: According to DIN ISO 3506, stainless steel chemical composition requirement of Cu contain can accept 4% and below.



### Bi-Metallic Roofing Screws:

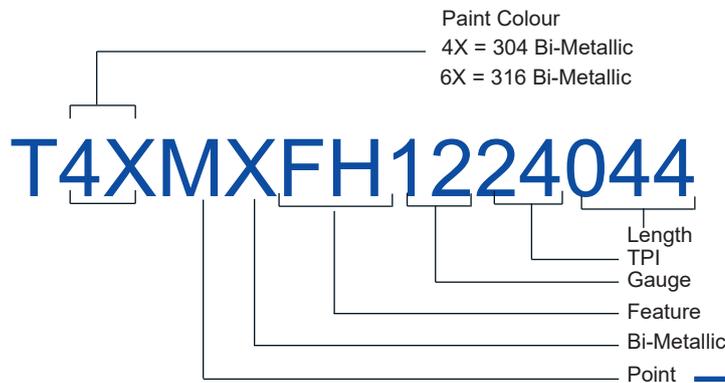
Our range includes Bi-Metallic screws with an EPDM bonded 19mm OD Aluminium washer.

### Hobson Part Number System:

Hobson Bi-Metallic screw part numbers follow our standard logical part number system.

**T4X** : 304 Bi-Metallic part number prefix

**T6X** : 316 Bi-Metallic part number prefix



POINT TYPE	
Code	Description
5	Series 500
G	Metal with Wings
H	S500 with Wings
M	Metal Point

### Hobson Specials:

In addition to our stocking range, we are able to source and supply any Bi-Metallic screw to customers requirements.





# TECHNICAL

## Stainless Steel Bi-Metallic Screws Range

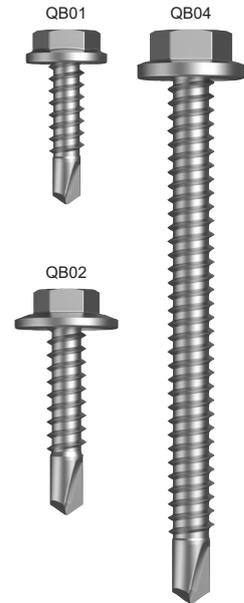
### WASHER HEX HEAD



**Applications:** Fixing stainless and aluminium sheeting.

- » Marine and corrosive environments
- » General purpose with good corrosion resistance
- » 304 Bi-Metallic

Part	Qfind	Gauge	TPI	Length (mm)	Thread Length (mm)	Base Material	Pack	Drilling Capacity	Driver Bit Size (inch)
T4XMXHH1016019	QB01	10	16	19	13	304	500	3	5/16"
T4XMXHH1016045	QB18	10	16	45	37	304	500	3	5/16"
T4XMXHH1214025	QB02	12	14	25	16	304	500	6	5/16"
T4XMXHH1414025	Q904	14	14	25	16	304	500	6	3/8"
T4XMXHH1414035	QB03	14	14	35	26	304	500	6	3/8"
T4XMXHH1414052	Q906	14	14	52	43	304	500	6	3/8"
T4XMXHH1414070	QB04	14	14	70	61	304	500	6	3/8"
T4XMXHH1414095	QB05	14	14	95	57	304	250	6	3/8"



### WASHER HEAD / ALUMINIUM SEAL HEX HEAD



**Applications:** Sealed fixing of stainless and aluminium sheeting.

- » Aluminium and stainless roofing and cladding
- » Water tight with good corrosion resistance
- » 304 Bi-Metallic

Part	Qfind	Gauge	TPI	Length (mm)	Thread Length (mm)	Base Material	Pack	Drilling Capacity	Driver Bit Size (inch)
T4XMXAH1214025	QB06	12	14	25	16	304	500	6	5/16"
T4XMXAH1414025	Q914	14	14	25	16	304	500	6	3/8"
T4XMXAH1414035	QB07	14	14	35	26	304	500	6	3/8"
T4XMXAH1414052	QB08	14	14	52	43	304	250	6	3/8"
T4XMXAH1414070	QB09	14	14	70	61	304	250	6	3/8"
T4XMXAH1414095	QB10	14	14	95	86	304	250	6	3/8"



Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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## Stainless Steel Bi-Metallic Screws Range

### PAN HEAD PHILLIPS DRIVE



**Applications:** Fixing stainless and aluminium sheeting.

- » Marine and corrosive environments
- » General purpose with good corrosion resistance
- » 304 Bi-Metallic

Part	Qfind	Gauge	TPI	Length (mm)	Thread Length (mm)	Base Material	Pack	Drilling Capacity	Driver Bit Size
T4XMXPP0818016	Q926	8	18	16	12	304	500	3	#2
T4XMXPP0818019	Q927	8	18	19	12	304	500	3	#2

Q927



### WAFER HEAD PHILLIPS DRIVE



**Applications:** Fixing stainless and aluminium sheeting.

- » Marine and corrosive environments
- » General purpose with good corrosion resistance
- » 304 Bi-Metallic

Part	Qfind	Gauge	TPI	Length (mm)	Thread Length (mm)	Base Material	Pack	Drilling Capacity	Driver Bit Size
T4XMXWP1016025	Q920	10	16	25	19	304	500	3	#2

Q920



### WAFER HEAD SQUARE DRIVE



**Applications:** Fixing stainless and aluminium sheeting.

- » Highly corrosive environments
- » General purpose with good corrosion resistance
- » 316 Bi-Metallic

Part	Qfind	Gauge	TPI	Length (mm)	Thread Length (mm)	Base Material	Pack	Drilling Capacity	Driver Bit Size
T6XMXWQ1016016	QB13	10	16	16	9	316	500	3	#2
T6XMXWQ1016025	QB14	10	16	25	18	316	500	3	#2
T6XMXWQ1016030	QB15	10	16	30	23	316	500	3	#2

QB15





# TECHNICAL

## Stainless Steel Bi-Metallic Screws Range

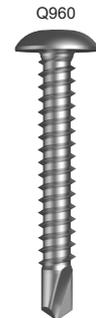
### PAN HEAD SQUARE DRIVE



**Applications:** Fixing stainless and aluminium sheeting.

- » Highly corrosive environments
- » General purpose with good corrosion resistance
- » 304 Bi-Metallic

Part	Qfind	Gauge	TPI	Length (mm)	Thread Length (mm)	Base Material	Pack	Drilling Capacity	Driver Bit Size
T4XMPQ1214038	Q960	12	14	38		304	500	3	#2



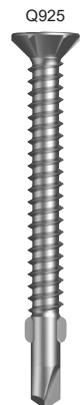
### COUNTERSUNK HEAD / RIBBED / WINGS SQUARE DRIVE



**Applications:** Fixing pre-drilled boards to fibre cement.

- » Marine and corrosive environments
- » Timber decking to steel joints
- » 304 Bi-Metallic

Part	Qfind	Gauge	TPI	Length (mm)	Thread Length (mm)	Base Material	Pack	Drilling Capacity	Driver Bit Size
T4XGXRQ0818032	QB17	8	18	32	12.0	304	500	3	#2
T4XGXRQ1016050	Q925	10	16	50	32.5	304	500	6	#2



### S500 / COUNTERSUNK HEAD / RIBBED / WINGS SQUARE DRIVE



**Applications:** Fixing timber.

- » Marine and corrosive environments
- » Fixing to thick steel sections
- » 304 Bi-Metallic

Part	Qfind	Gauge	TPI	Length (mm)	Thread Length (mm)	Base Material	Pack	Drilling Capacity	Driver Bit Size
T4XHXRQ1224060	QB16	12	24	60	42.5	304	500	12.5	#3



Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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