

Protected by



# TZ SOLAR

RANGE OF PROFILES FOR  
SOLAR INSTALLATIONS



CE



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# About Kingspan | Teczone

## SERVICE, QUALITY AND INNOVATION

KINGSPAN | TECZONE IS THE LEADING COMPANY IN THE STEEL TRANSFORMATION SECTOR FOR THE CONSTRUCTION AND INDUSTRIAL SECTOR; A COMPANY THAT SINCE THE 1980S DESIGNS, MANUFACTURES AND MARKETS EFFICIENT, INNOVATIVE, PROFITABLE AND ABSOLUTE QUALITY CONSTRUCTION SYSTEMS.

### Service and customer commitment

Kingspan | Teczone's priority objective is to provide its customers with the best technical and commercial service and assistance in the market. Kingspan | Teczone has a professional, experienced, responsible and proactive human team, focused on providing personalized customer service.

Kingspan | Teczone's business policy is based on establishing lasting, long-term, high value-added business relationships for its customers. Customer loyalty and absolute respect for distribution policies and sales channels are two of its hallmarks.

Kingspan | Teczone has a production center in Burgos (Spain), which covers the national market and North Africa, and a logistics center in Pamiers (France), from where it provides service to central Europe.

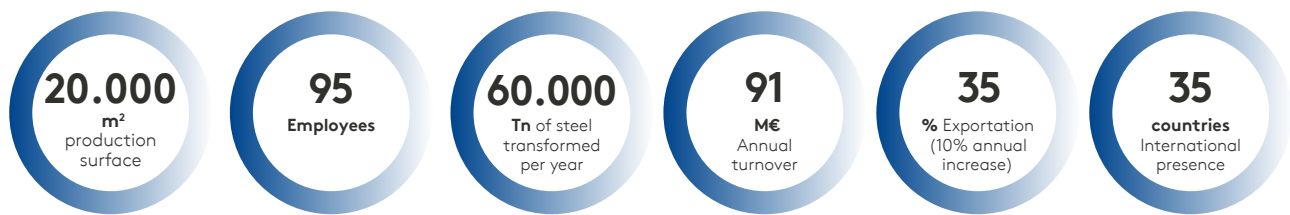
Currently, Kingspan | Teczone has 18 state-of-the-art flexible manufacturing lines, which provide it with a high production capacity, above that of its competitors.

This increased production capacity, added to the efficient management of its logistics processes, allows Kingspan | Teczone to meet the most demanding challenges posed by its customers.





## KINGSPAN | TECZONE IN FIGURES



### Absolute quality commitment

The commitment to absolute quality is an essential part of the Kingspan | Teczone philosophy and is deeply rooted, at all levels, in the company. Kingspan's Comprehensive Quality Management System is audited and certified by AENOR and IQNet, in accordance with the ISO 9001 standard.

Kingspan | Teczone uses only certified quality structural steel sheet for the manufacture of its products, rolled by the leading European steel company in the sector, and implements strict quality control over the raw material, its production processes and its finished products.

### Innovative solutions

With a strong vocation for innovation, Kingspan | Teczone's mission is to develop efficient, sustainable and profitable systems. It has a wide catalog of construction systems for the industrial, solar, industrial, residential, agricultural, and civil engineering sectors, providing a wide range of technologically advanced solutions to construction professionals. Kingspan | Teczone, as a multi-product manufacturer, can effectively optimize its production costs and logistics processes, providing its customers with extremely tight delivery times and the most competitive prices in the industry.





# TZ Solar



## TZ SOLAR range

THE TZ SOLAR STRUCTURAL PROFILE SYSTEM HAS BEEN SPECIALLY DESIGNED FOR PHOTOVOLTAIC SOLAR INSTALLATIONS AND THERMAL SOLAR INSTALLATIONS; A WIDE RANGE OF PROFILES, WITH HIGH STRUCTURAL PERFORMANCE AND HIGH DURABILITY, CUSTOMIZABLE ACCORDING TO THE REQUIREMENTS OF EACH INSTALLATION.

### The advantage of the TZ SOLAR range:



High durability, thanks to the Granite HDX® and Magnelis® anti-corrosion coatings, designed for applications in outdoor or corrosive environments and guaranteed by the manufacturer for 25 years.



High structural performance profiles, manufactured by cold forming of high quality and certified structural steel sheet S280GD Z275 or S350GD ZM310, with a guaranteed minimum yield strength.



Wide and versatile range of structural profiles, with edges of up to 350 mm and thicknesses of up to 3 mm, and the possibility of customizing each profile, according to the technical requirements of each installation.

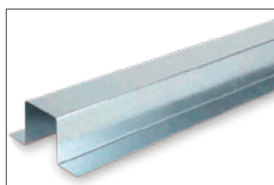
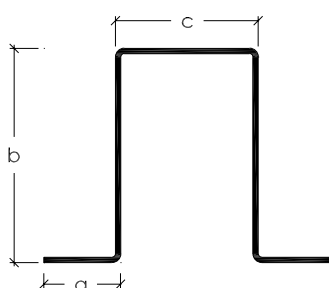


Total compatibility with the accessories and complements of habitual use in the structures for supports of solar installations (connectors, anchors, flanges, supports, fasteners, etc.)



# Range of profiles

## STRUCTURAL OMEGAS TZ



Standard length: 6 m.

Other thicknesses and lengths on request.

### Applications:

Structural support for photovoltaic or thermal solar installations on roofs of residential or industrial buildings.

Crossbars and uprights for panel support in ground-based solar parks.

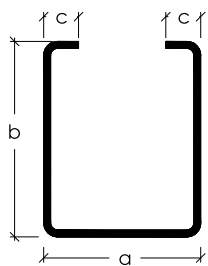
Structural support for solar installations located on facades.

PROFILE	THICKNESS	MEASURES		
		a	b	c
OM 20x20x20	0.6   0.7	20	20	20
OM 20x20x40	0.6   0.7	20	20	40
OM 18x30x20	0.6   0.7   0.8 1.0   1.2   1.5	18	30	20
OM 18x30x30	0.6   0.7   0.8 1.0   1.2   1.5	18	30	30
OM 20x40x20	0.6   0.7   0.8 1.0   1.2   1.5	20	40	20
OM 20x40x40	0.6   0.7   0.8 1.0   1.2   1.5	20	40	40
OM 20x30x40	0.6   0.7   0.8 1.0   1.2   1.5	20	30	40
OM 20x60x40	0.6   0.7   0.8 1.0   1.2   1.5	20	60	40





## GUÍAS TZ PERFORATED STRUTS



Standard lenght: 6 m.

Other thicknesses, measures and lengths on request.  
Possibility of punching of various diameters, slots of various dimensions and different punching patterns.

PROFILE	THICKNESS	MEASURES		
		a	b	c
41x21	1.5   2.0   2.5   3.0	41	21	Var.
41x41	1.5   2.0   2.5   3.0	41	41	Var.
41x62	1.5   2.0   2.5   3.0	41	62	Var.
41x82	1.5   2.0   2.5   3.0	41	82	Var.
28x30	1.5   2.0   2.5   3.0	28	30	Var.
48x40	1.5   2.0   2.5   3.0	48	40	Var.
37x37	1.5   2.0	37	37	10
47x47	1.5   2.0	47	47	10

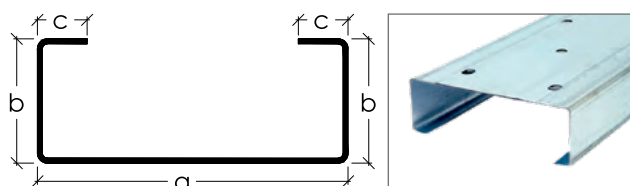
### Applications:

Sistemas de bastidores estructurales para soporte de placas fotovoltaicas en parques solares en tierra.

Estructuras secundarias para fijación de placas fotovoltaicas o colectores térmicos para instalaciones solares en cubiertas.



## TZ-EC PURLINS C-SECTION



Maximum length: 18 m.

Other thicknesses, measures and lengths on request.  
Possibility of punching of various diameters, slots of various dimensions and different punching patterns.

PROFILE	THICKNESS	MEASURES		
		a	b	c
C 20/50/100/50/20	1.5   2.0   2.5   3.0	100	50	20
C 20/50/125/50/20	1.5   2.0   2.5   3.0	125	50	20
C 20/50/150/50/20	1.5   2.0   2.5   3.0	150	50	20
C 20/50/175/50/20	1.5   2.0   2.5   3.0	175	50	20
C 23/75/200/75/23	1.5   2.0   2.5   3.0	200	75	23
C 23/75/225/75/23	1.5   2.0   2.5   3.0	225	75	23
C 23/75/250/75/23	1.5   2.0   2.5   3.0	250	75	23
C 23/75/275/75/23	1.5   2.0   2.5   3.0	275	75	23
C 23/75/300/75/23	1.5   2.0   2.5   3.0	300	75	23
C 23/75/325/75/23	1.5   2.0   2.5   3.0	325	75	23
C 23/75/350/75/23	1.5   2.0   2.5   3.0	350	75	23

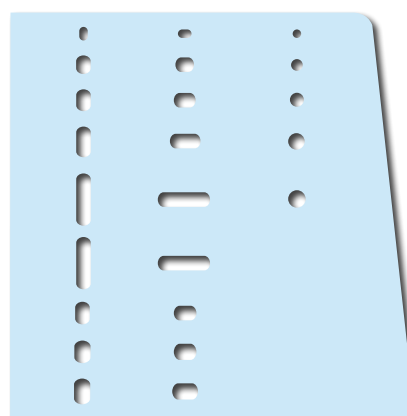
### Applications:

Support structure for enclosures and solar installations on roofs or facades of industrial buildings.

Supporting structure to support photovoltaic panels in solar parks.

### Purlins punching options:

<b>Round</b>	4, 7, 9, 12, 14, 16, 18, 19, 22, 25, 50 mm
<b>Slotted (horizontal and vertical)</b>	8x14, 8x50, 9x18, 12x30, 14x18, 14x20 14x30, 14x50, 16x23, 16x35, 17x23, 18x24 18x30, 21x28, 22x45, 25x50, 38x85 mm

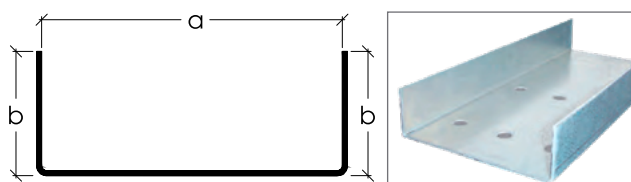


Customisation of the punch templates at any point along the purlin for execution of the points with flashing, strut securing and sag rods, etc.





## TZ-EU PURLINS U-SECTION



Maximum length: 18 m.

Other thicknesses, measures and lengths on request.  
Possibility of punching of various diameters, slots of various dimensions and different punching patterns.

### Applications:

Fixing element in support of solar installations on roofs or facades of industrial buildings.

Supporting structure to support photovoltaic sed solar parks.

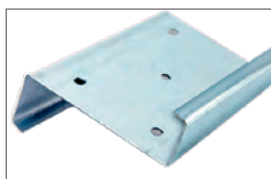
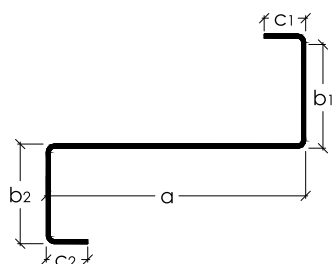
Purlin connections (sleeves).

PROFILE	THICKNESS	MEASURES		
		a	b	c
U 50/103/50	1.5   2.0   2.5   3.0	103	50	-
U 50/128/50	1.5   2.0   2.5   3.0	128	50	-
U 50/153/50	1.5   2.0   2.5   3.0	153	50	-
U 50/178/50	1.5   2.0   2.5   3.0	178	50	-
U 75/203/75	1.5   2.0   2.5   3.0	203	75	-
U 75/228/75	1.5   2.0   2.5   3.0	228	75	-
U 75/253/75	1.5   2.0   2.5   3.0	253	75	-
U 75/278/75	1.5   2.0   2.5   3.0	278	75	-
U 75/303/75	1.5   2.0   2.5   3.0	303	75	-
U 75/328/75	1.5   2.0   2.5   3.0	328	75	-
U 75/353/75	1.5   2.0   2.5   3.0	353	75	-





## TZ-EZ PURLINS Z-SECTION



### Applications:

Support structure for enclosures and solar installations on roofs or facades of industrial buildings.

Supporting structure to support photovoltaic panels in solar parks.

Maximum length: 18 m. Other thicknesses, measures and lengths on request. Possibility of punching of various diameters, slots of various dimensions and different punching patterns.

PROFILE	THICKNESS	MEASURES				
		a	b1	b2	c1	c2
Z 19/48/100/55/23	1.5 a 3.0	100	55	48	19	23
Z 19/48/125/55/23	1.5 a 3.0	125	55	48	19	23
Z 19/48/150/55/23	1.5 a 3.0	150	55	48	19	23
Z 19/48/175/55/23	1.5 a 3.0	175	55	48	19	23
Z 23/70/200/80/23	1.5 a 3.0	200	80	70	23	23
Z 23/70/225/80/23	1.5 a 3.0	225	80	70	23	23
Z 23/70/250/80/23	1.5 a 3.0	250	80	70	23	23
Z 23/70/275/80/23	1.5 a 3.0	275	80	70	23	23
Z 23/70/300/80/23	1.5 a 3.0	300	80	70	23	23
Z 23/70/325/80/23	1.5 a 3.0	325	80	70	23	23
Z 23/70/350/80/23	1.5 a 3.0	350	80	70	23	23



# Calidad Kingspan-Teczone

## Quality management system ISO 9001



# Health and Safety Management System ISO 45001





## Environmental management system ISO 14001







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