

domax



30 YEARS  
of EXPERIENCE

ELEMENTS for ASSEMBLING  
**GARDEN  
ARCHITECTURE**

# ABOUT US

**Domax Sp. z o. o.** was founded in 1994 as a family company focused on the production and distribution of wood connectors in Poland and later in Europe. A wide range, high quality of products and the involvement of qualified professionals have made Domax one of the market leaders in the region, and CE certification guarantees compliance of construction products with European guidelines. Today, we are consistently expanding our international sales network in Europe. Customer trust is confirmed by successfully operating branches in the Czech Republic, Slovakia, Romania, Bulgaria, Croatia, Serbia and Germany, as well as constant distribution in most European countries (including the Baltic States, Spain, Moldova, Denmark, Belgium, France, Italy, Austria, Slovenia, Ukraine).



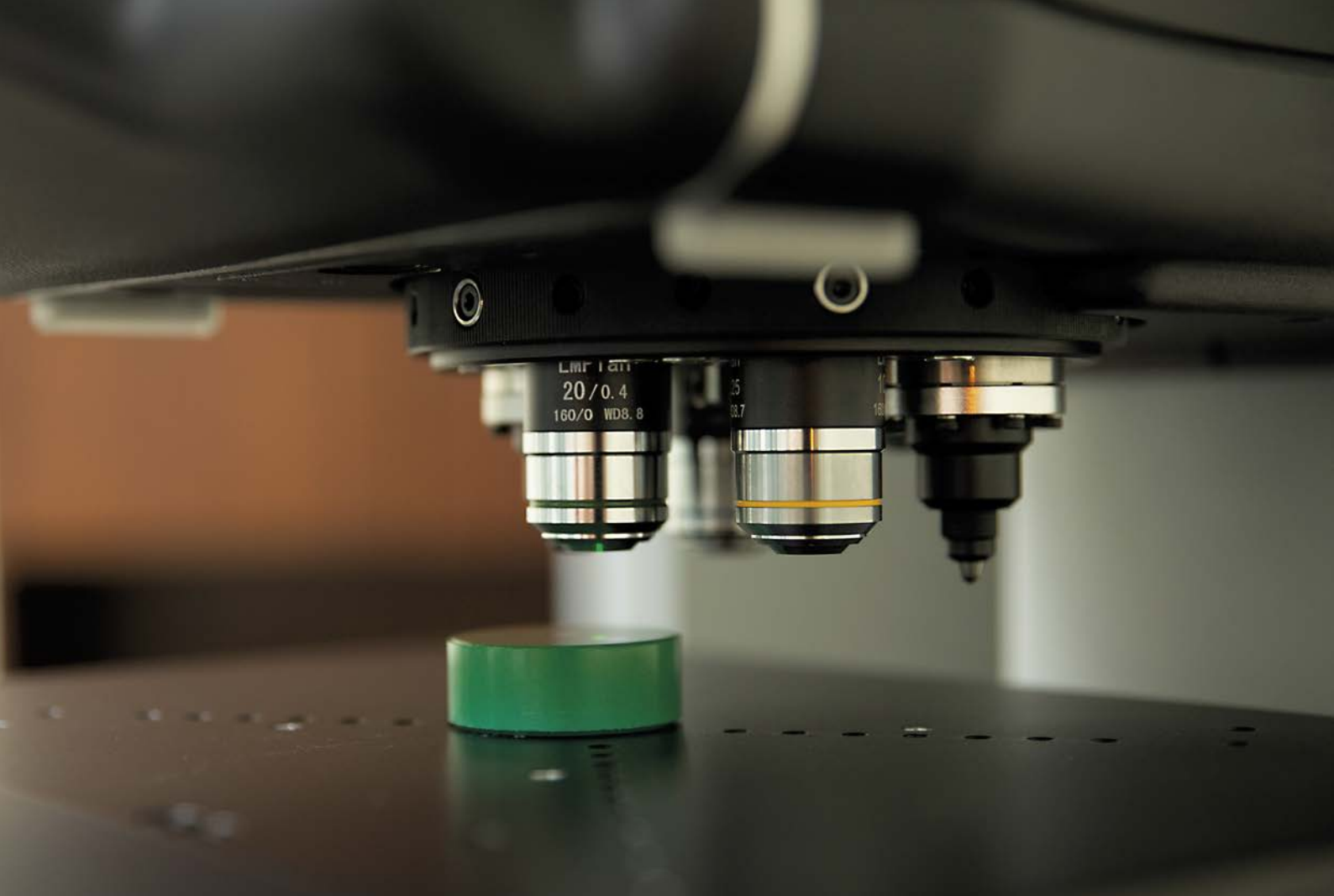


### Logistics

We implement system solutions aimed at optimizing communication with the external and internal environment of the company. We improve forwarding processes aimed at ensuring our customers with delivery of goods even within 24 hours of placing an order. We offer effective and proven tools, programs and strategies.

- ▶ machine park with an area of 7,000 m<sup>2</sup>
- ▶ a modern warehouse with a capacity of 14,500 pallet spaces
- ▶ products with the CE mark that meet European standards
- ▶ own professional research and development laboratory
- ▶ branches and distribution in several European countries





## CERTIFICATION AND QUALITY CONTROL

The Domax company has a modern laboratory that guarantees the highest standard of manufactured building materials. The production process is preceded by a series of technical tests, and the products undergo regular quality control tests.

Before a DOMAX® article is distributed, it undergoes a series of tests. We check compliance with generally applicable standards, such as PN-EN14545 and with our internal quality standards.



 European Technical Approvals

The test results of the Domax laboratory are confirmed by certification centers - the Czech TZUS, the Polish Building Research Institute ITB and the Gdańsk University of Technology. Because our internal standards often exceed generally accepted standards, quality verification performed in Polish and European centers is actually a formality.

The CE symbol on DOMAX® products confirms that the marked construction product is compliant with the harmonized European standard (hEN) or with ETA (a system intended primarily for new and innovative products) and that the assessment and verification of the product's constancy of performance has been carried out - certification. The European directives regulating the certification specify the parameters concerning the safety of use, health protection and environmental protection, and define the hazards that the manufacturer of a construction product should detect and eliminate.

Construction products must meet a number of quality requirements. To ensure this, at every stage of production, we test the properties of products, and our experienced specialists watch over the professionalism of the entire process using technically advanced control and measurement equipment. We are constantly improving the control process, verifying every stage of production - from the technical design, through the delivery and use of the highest quality materials, strict standards of manufacturing technology, to the final packaging of the products.

We believe that the basis for quality development is systematically acquired and documented knowledge. Each product has its own technological card, manufacturing drawings and history of test reports. Thanks to this, we are able not only to quickly implement new products that meet the requirements of European standards, but also to optimize the solutions present on the market.

## PROTECTIVE COATINGS

### DUPLEX ■

Double protection for a particularly high level of security. Cold-rolled sheet metal with a zinc coating applied on both sides, weight not less than 275 g/m<sup>2</sup> and thickness of about 20 µm. Additionally, DUPLEX products are powder coated, which ensures high tightness of the coating and increased corrosion resistance. Details protected in this way can be used in places periodically exposed to rain or snowfall.

### ELECTROGALVANIZING ●

Fe/Zn 12 electroplating zinc coating > 12 µm thick, applied in accordance with PNEN ISO 2081.  
 Yellow passivation – yellow galvanic zinc is characterized by significant protection against corrosion, shows twice the resistance to external conditions than blue (silver) passivation. Recommended for outdoor applications exposed to precipitation and other unfavorable factors.  
 Blue (silver) passivation – silver galvanic zinc has a lower corrosion resistance. Products covered with such a coating are intended for use in dry rooms with the possibility of only temporary exposure to moisture (second class of use according to PNEN 199511: 2010).

### HOT-DIP GALVANIZING ●

The coating is applied by immersing an object in molten zinc at a temperature of approx. 450 °C. The obtained coating thickness is approximately 80–90 µm. Thick-layer protection is recommended for products exposed to long-term exposure to moisture, especially for elements used in the garden. Decorative paints intended for galvanized surfaces can be applied over this coating.

### ZINC FLAKE (LAMELLAR) ●

The use of the Magni 565 coating, which covers the steel surface with a mixture of zinc and aluminum flakes and binding and hardening components. This is currently the highest level of corrosion protection. It has a salt spray corrosion resistance (VDA235104 / DIN EN ISO 9227) of more than 240 hours to white corrosion and over 1,000 hours to red corrosion. Magni coatings are Cr-free and meet the requirements of the following standards: RoHS, REACH, ELVD, GADSL and WEEE. Zinc flake is used wherever the highest level of protection and durability of products is required.

### CATAPHORESIS ●

Modern technology of applying a protective anti-corrosion coating on metal surfaces. It consists in immersion painting with the simultaneous flow of electricity through a bath of water-soluble paint. Electrically charged paint particles, moving along the lines of the electric field, settle on the surface of the entire article, also in places inaccessible when using other painting techniques. Cataphoresis guarantees the possibility of obtaining a wide range of coating thicknesses (from 15 to 40 µm) and excellent anti-corrosion resistance (up to 1,000 h in a salt spray chamber).

### PRE-GALVANIZED STEEL Z275 ●

Cold-rolled sheet metal with a molten zinc coating applied on both sides, weight not less than 275 g/m<sup>2</sup> and thickness of about 20 µm. Most often it is additionally covered with a thin layer of oil film increasing the protection of the zinc layer against oxidation. Products made of galvanized sheet Z275 are characterized by high resistance to external factors, thanks to which they are perfect wherever high corrosion resistance is required, especially in open-air structures.

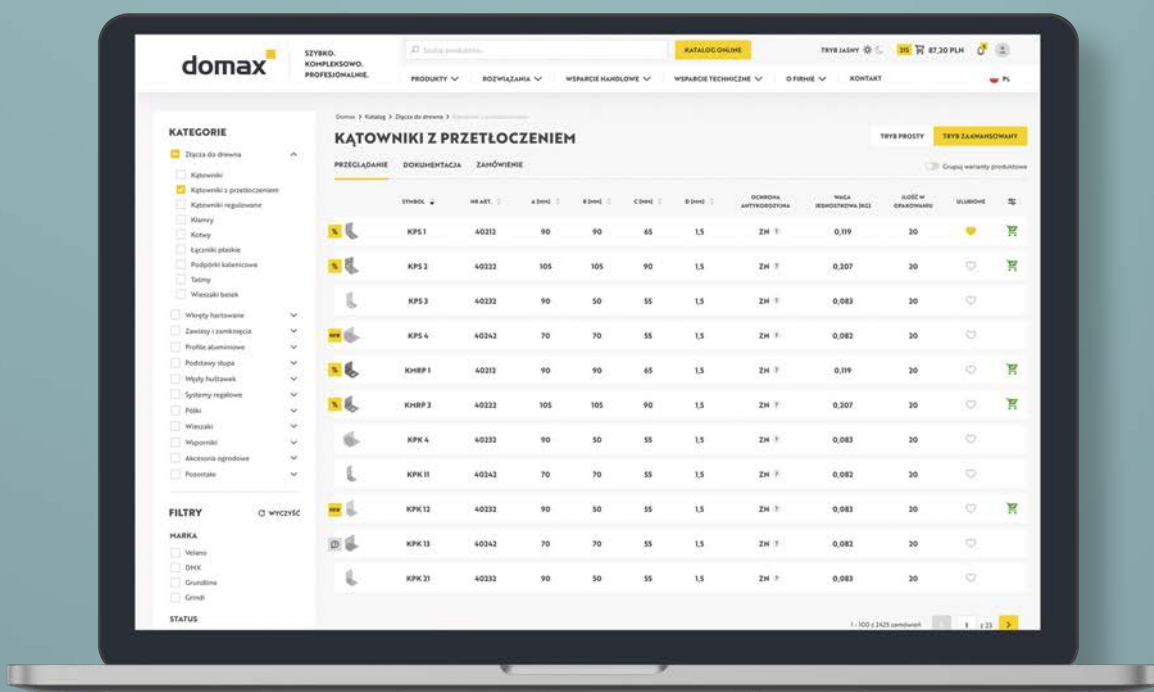
### POWDER PAINTING ●◆

Powder coated products are protected by applying electrified particles (20,100 µm) of powder paint. The deposited powder layer remains on the surface of the painted detail due to electrostatic forces. Powder coating ensures high tightness of the coating and increased corrosion resistance. The thickness of the painting layer is 60 µm.

## B2B PLATFORM

The friendly and functional DOMAX B2B platform ensures easy and convenient cooperation with our business partners::

- ▶ two ways of browsing the product offer: basic view of the product gallery and advanced view of the list
- ▶ product filters displayed as multiple-choice lists
- ▶ easy access to order history and renewing them
- ▶ preview of all invoices
- ▶ shortened complaint process
- ▶ extensive personalization options: adding and editing shipping addresses, checking the progress in the discount program or creating your own search paths
- ▶ dark mode - a great alternative for people using the Domax B2B service in the evening
- ▶ fully responsive - the platform is fully adapted to mobile devices (smartphones and tablets), thanks to which access to the basket, orders or invoices is always at hand
- ▶ additional functionalities: a tutorial available at any time of using the platform, active notifications that allow you to stay up to date with all promotions and important messages regarding the website



## COMMERCIAL SUPPORT

Our partners receive support commercial and marketing in the form of:

- ▶ assistance with the first and subsequent restockings
- ▶ assistance in preparing a sales display of products
- ▶ cooperation in handling complaints and returns
- ▶ organized promotions and sales
- ▶ product and marketing training
- ▶ permanent trade discounts



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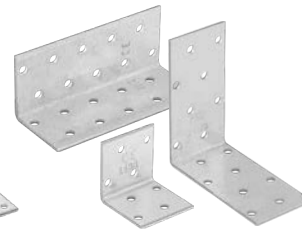
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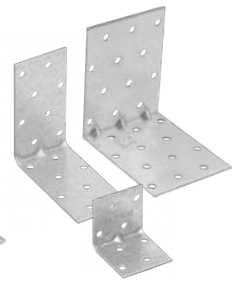
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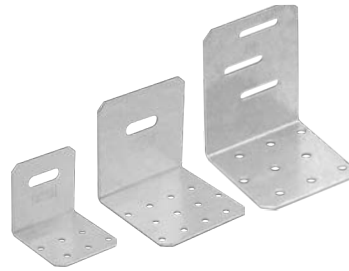
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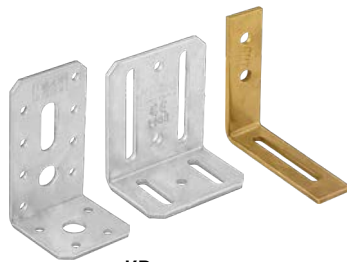
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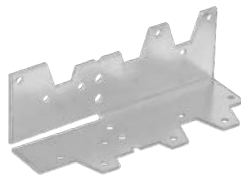
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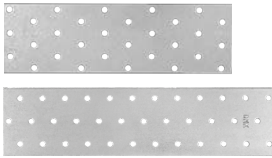


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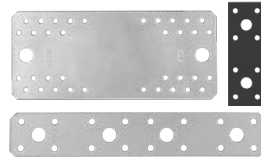


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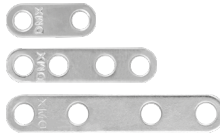
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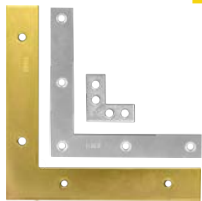
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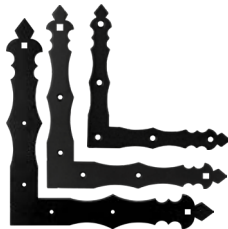
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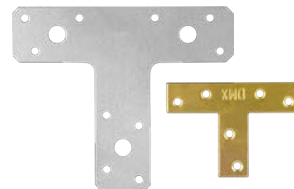
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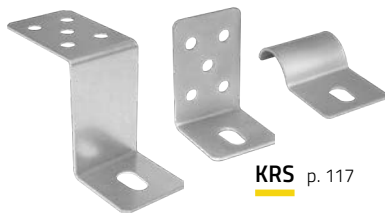
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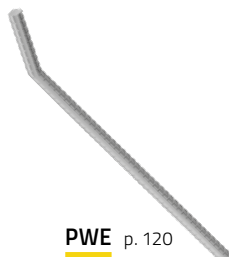
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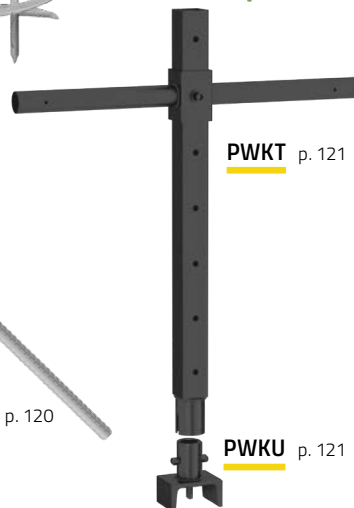
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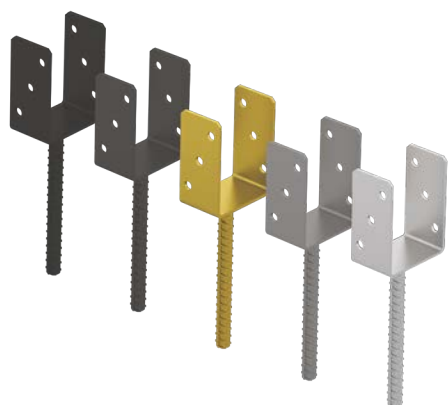
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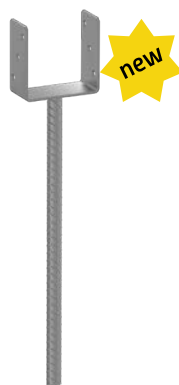


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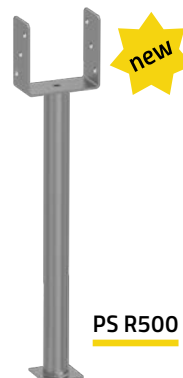
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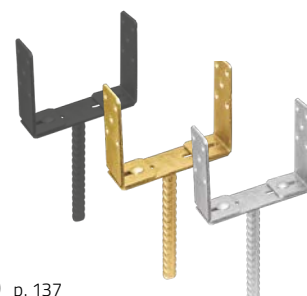
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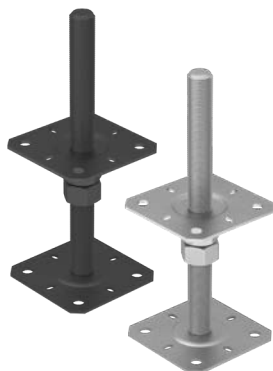


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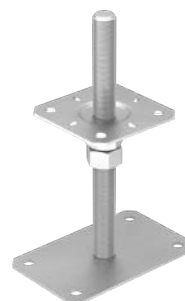
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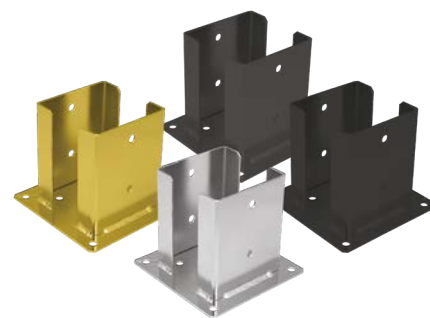
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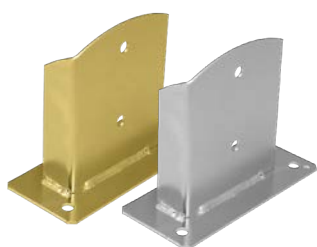
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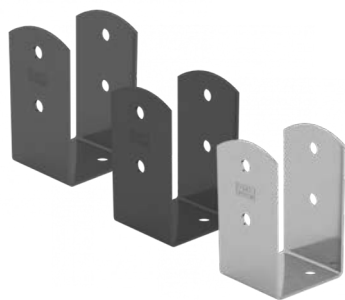
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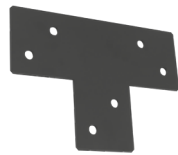
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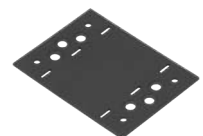
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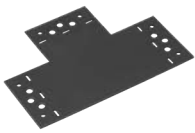
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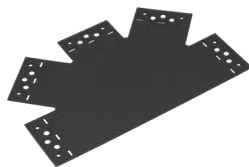
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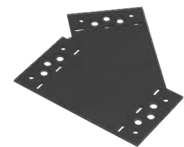
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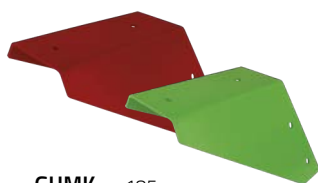


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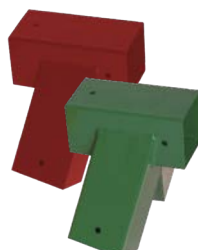
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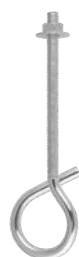
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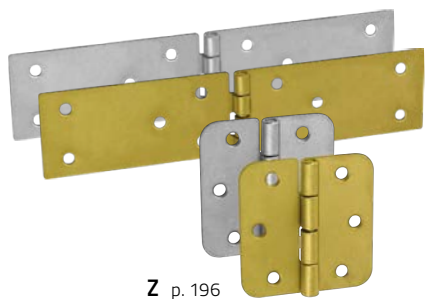


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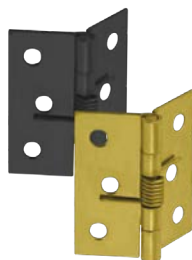
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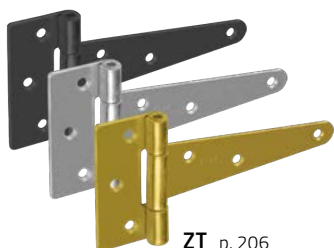


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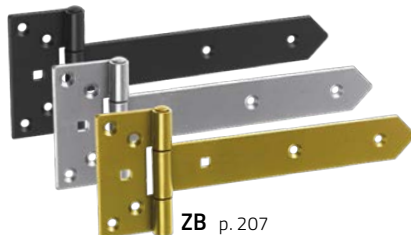


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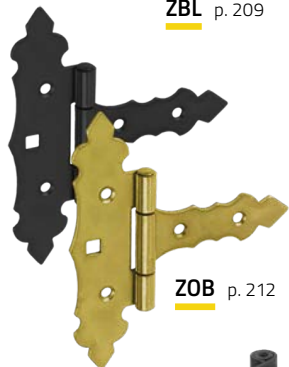
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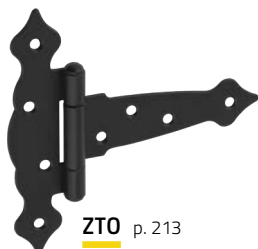
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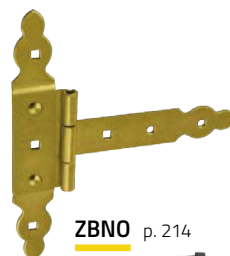
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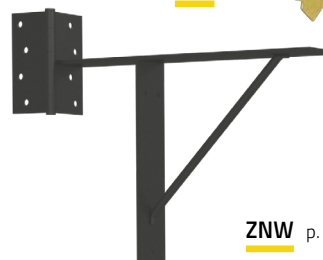
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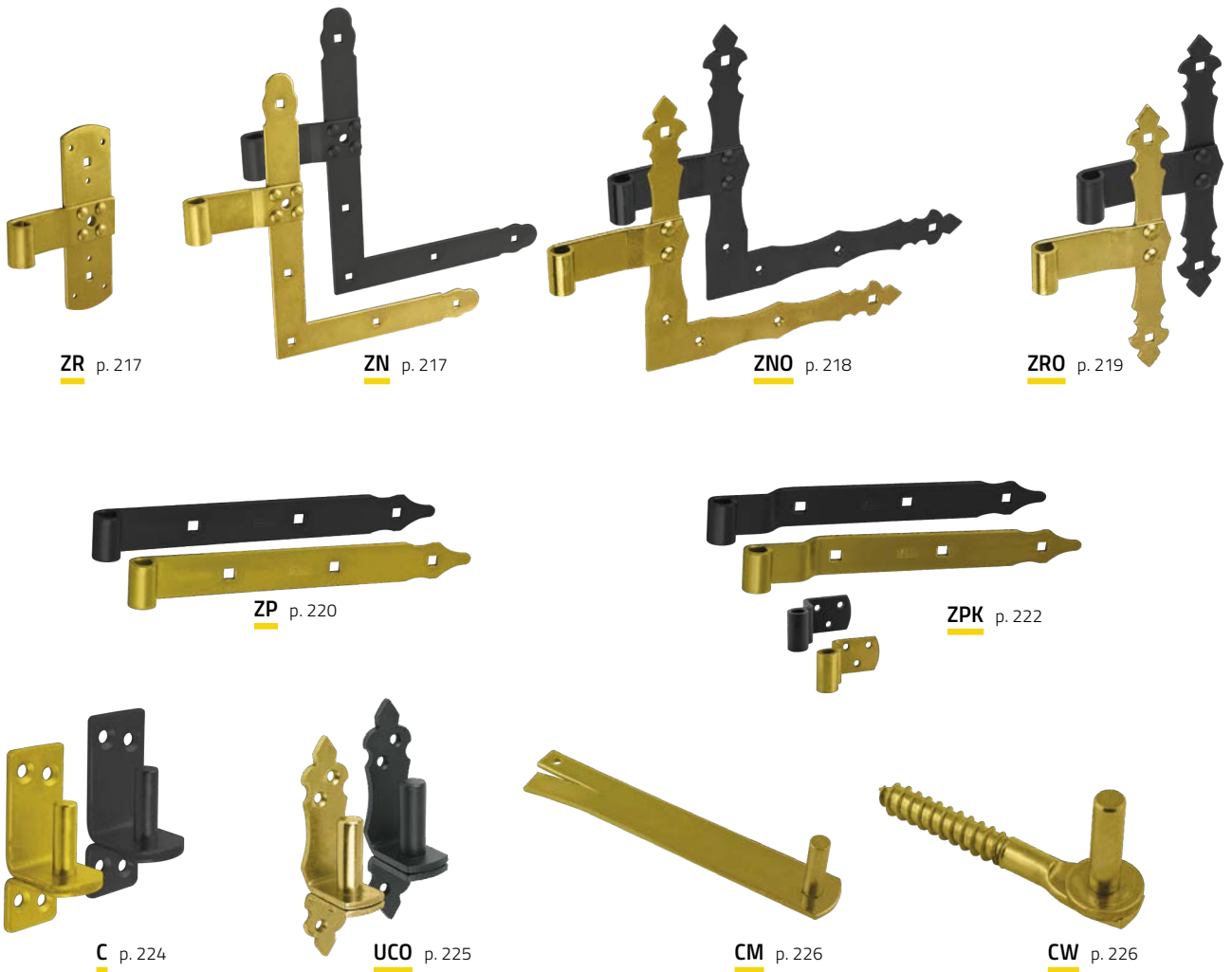


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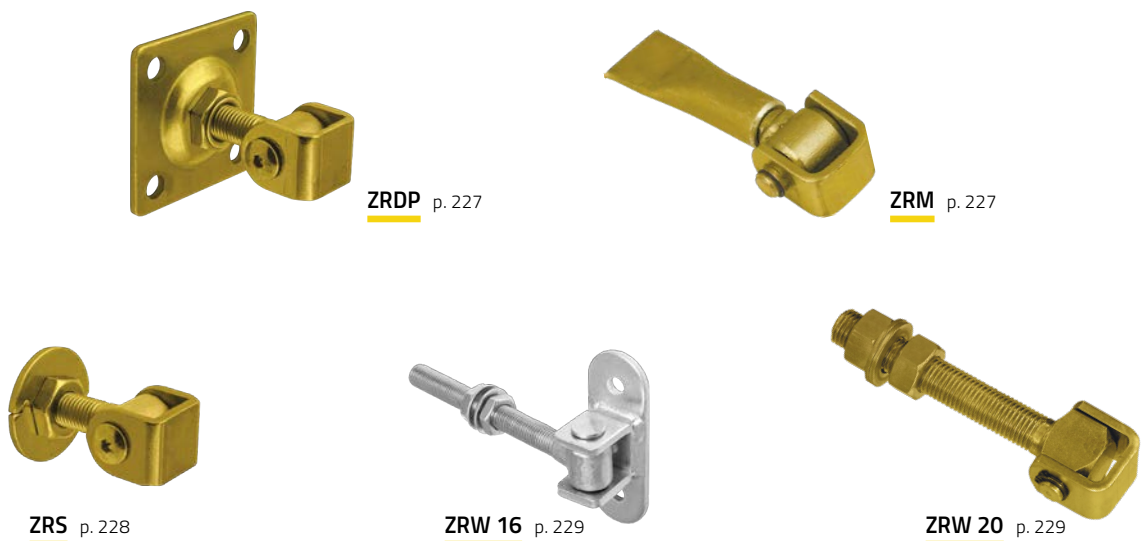


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## ADJUSTABLE HINGES



WELDING HINGES



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**ZMP** p. 231



**ZMD** p. 231

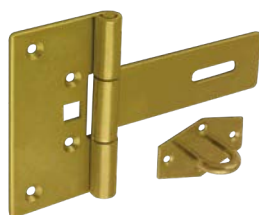


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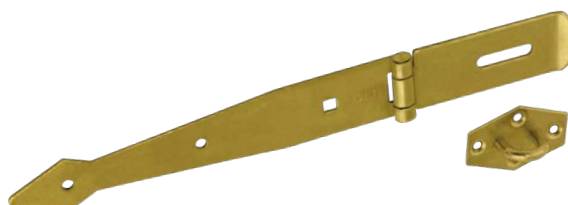


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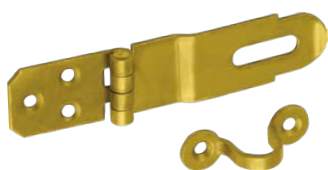
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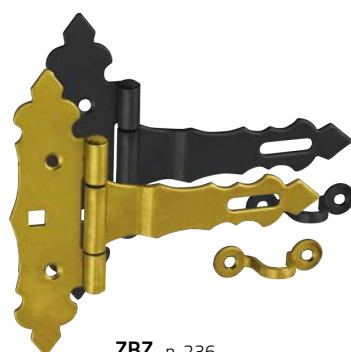
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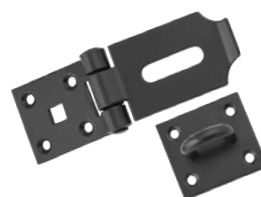
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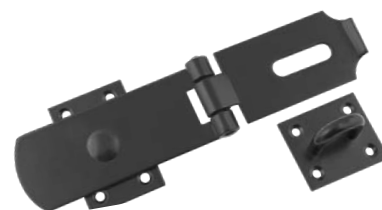
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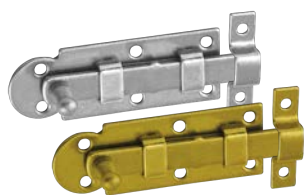


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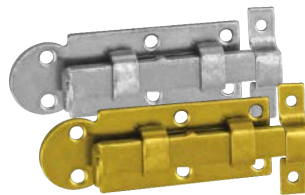
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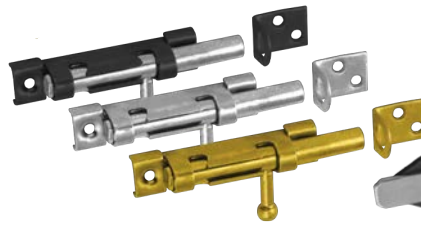
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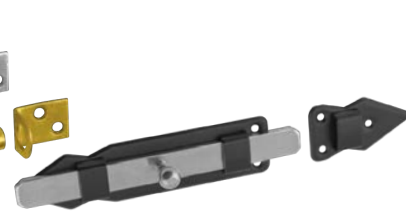
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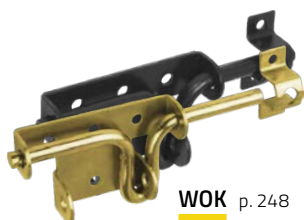
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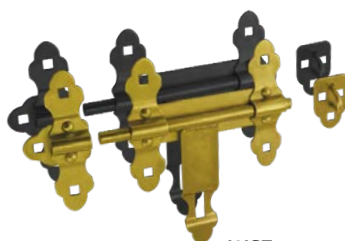


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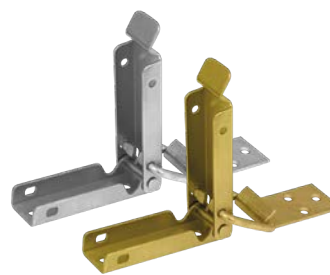
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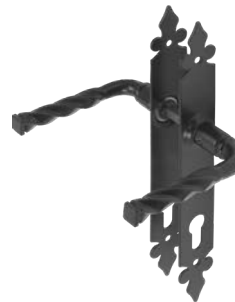
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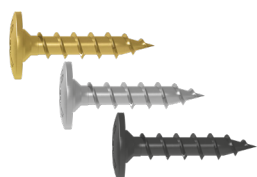


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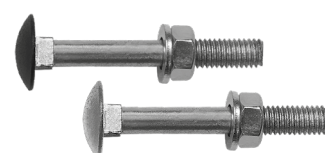


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FLW	p.73	LW	p.74	PSPA	p.162
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GHLS	p.185	MHA	p.190	PSPD	p.150
GHMK	p.185	MHB	p.190	PSPN	p.165
GHS	p.135	MHC	p.190	PSPO	p.163
GHSK	p.186	MHD	p.190	PSPOD	p.164
GHSO	p.186	MHK	p.191	PSPW	p.156
GHVK	p.187	MHM	p.192	PS R500	p.129
GHVO	p.187	MHO	p.191	PSR	p.144
GHZ	p.188	MHUM	p.191	PSRP	p.146
GPLN	p.180	MHUW	p.192	PSRT	p.147
GPLP	p.180	MHW	p.192	PSRU	p.138
GPPS	p.181	NA	p.76	PSRU 500	p.139
GS	p.304	NAD	p.79	PSRU R500	p.139
GT	p.306	NAO	p.77	PSS	p.132
KB	p.59	NAS	p.78	PSSOZ	p.171
KG	p.64	NS	p.80	PSS R500	p.133
KK	p.48	OP	p.178	PSSZ	p.134
KL	p.42	OSK	p.64	PST	p.173
KLM	p.94	PBK	p.312	PSW	p.136
KLR	p.41	PBW	p.310	PSW R500	p.137
KM	p.44	PD	p.93	PSZ	p.130
KMP	p.46	PDP	p.165	PTS	p.289
KMRP	p.53	PMF	p.167	PUW	p.166
KP	p.33	PMFU	p.168	PWA	p.119
KP	p.33	PNP	p.319	PWB	p.109

PWC	p. 111	WDS	p. 302	ZBS	p. 215
PWD	p. 318	WHA	p. 274	ZBW	p. 208
PWE	p. 120	WHB	p. 274	ZBZ	p. 236
PWF	p. 110	WHD	p. 257	ZD	p. 205
PWG	p. 102	WHF	p. 257	ZF	p. 202
PWH	p. 107	WHG	p. 254	ZHK	p. 262
PWKT	p. 121	WHK	p. 252	ZHP	p. 263
PWKU	p. 121	WHO	p. 278	ZMC	p. 232
PWM	p. 108	WHS	p. 249	ZMD	p. 231
PWO	p. 106	WHU	p. 276	ZMP	p. 231
PWOM	p. 104	WHUP	p. 276	ZMS	p. 200
PWP	p. 118	WHW	p. 278	ZN	p. 217
PWPP	p. 120	WHZ	p. 277	ZNO	p. 218
PWT	p. 116	WKT	p. 298	ZNW	p. 216
PWTU	p. 117	WKW	p. 300	ZO	p. 201
PWU	p. 101	WL	p. 91	ZOB	p. 212
SB 90	p. 268	WOG	p. 255	ZOF	p. 203
SB 160	p. 269	WOGO	p. 255	ZOK	p. 214
SBK	p. 267	WOK	p. 248	ZOZ	p. 237
SBO	p. 268	WOS	p. 246	ZP	p. 220
SBR	p. 266	WOT	p. 258	ZPK	p. 222
SD	p. 182	WPS	p. 247	ZR	p. 217
SDCS	p. 322	WRB	p. 260	ZRB	p. 232
SEK	p. 179	WRG	p. 258	ZRDP	p. 227
SK	p. 92	WRO	p. 244	ZRM	p. 227
SP	p. 264	WRU	p. 260	ZRO	p. 219
ST	p. 266	WRZ	p. 260	ZRS	p. 228
SW	p. 299	WSP	p. 259	ZRW 16	p. 229
TM	p. 70	WZD	p. 245	ZRW 20	p. 229
UCO	p. 225	WZF	p. 249	ZS	p. 198
UF	p. 270	WZK	p. 252	ZSK	p. 264
UN	p. 271	WZO	p. 256	ZSS	p. 199
UNB	p. 271	WZP	p. 242	ZT	p. 206
UNR	p. 272	WZTW	p. 241	ZTK	p. 230
US	p. 270	WZW	p. 243	ZTO	p. 213
UZD	p. 272	Z	p. 196	ZTS	p. 204
UZR	p. 273	ZACB	p. 320	ZWD	p. 238
W	p. 240	ZAS	p. 321	ZWK	p. 238
WB	p. 84	ZASK	p. 230	ZWP	p. 239
WBD	p. 90	ZB	p. 207	ZWPO	p. 239
WBR	p. 256	ZBC	p. 215	ZZB	p. 233
WBZ	p. 88	ZBL	p. 209	ZZBR	p. 233
WCW	p. 250	ZBNO	p. 214	ZZK	p. 234
WCZ	p. 251	ZBO	p. 211	ZZP	p. 235
WD	p. 121	ZBP	p. 210		



# POST SUPPORTS



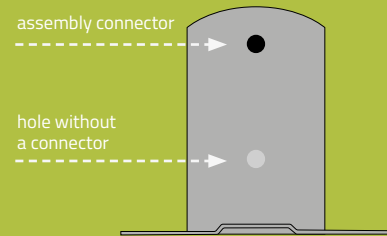
see the  
presentation  
video



ELEMENTS for ASSEMBLING  
**GARDEN**  
**ARCHITECTURE**

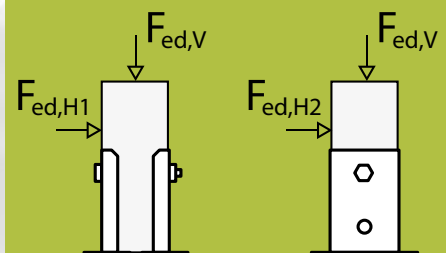
## NAILING SCHEMES

The tables in this catalogue contain a DOMAX® support-to-post connection diagram complying with the requirements of EN 1995 – Eurocode 5. This standard specifies the parameters for the positioning of the connectors, such as the distances between the connectors or their minimum distance from the edge of the beam. Adherence to these standards made it possible to carry out the necessary calculations and strength tests to determine the load-bearing capacity of the DOMAX® supports.



## LOADING CAPACITY SCHEMES

Zgodnie z zalecaniami EAD 130186-00-0603 przeprowadzone badania i obliczenia powinny odzwierciedlać zachowanie złącza występujące w praktycznym zastosowaniu. W związku z dużą różnorodnością typów wyrobów opracowaliśmy (w oparciu o EAD) różne schematy obciążeń, symulujące zachowanie danego złącza w praktyce. Do przygotowania testowych schematów obciążeń wybraliśmy połączenia pozwalające na weryfikację zachowań złącz w optymalnym i najbardziej reprezentatywnym zastosowaniu danego produktu.





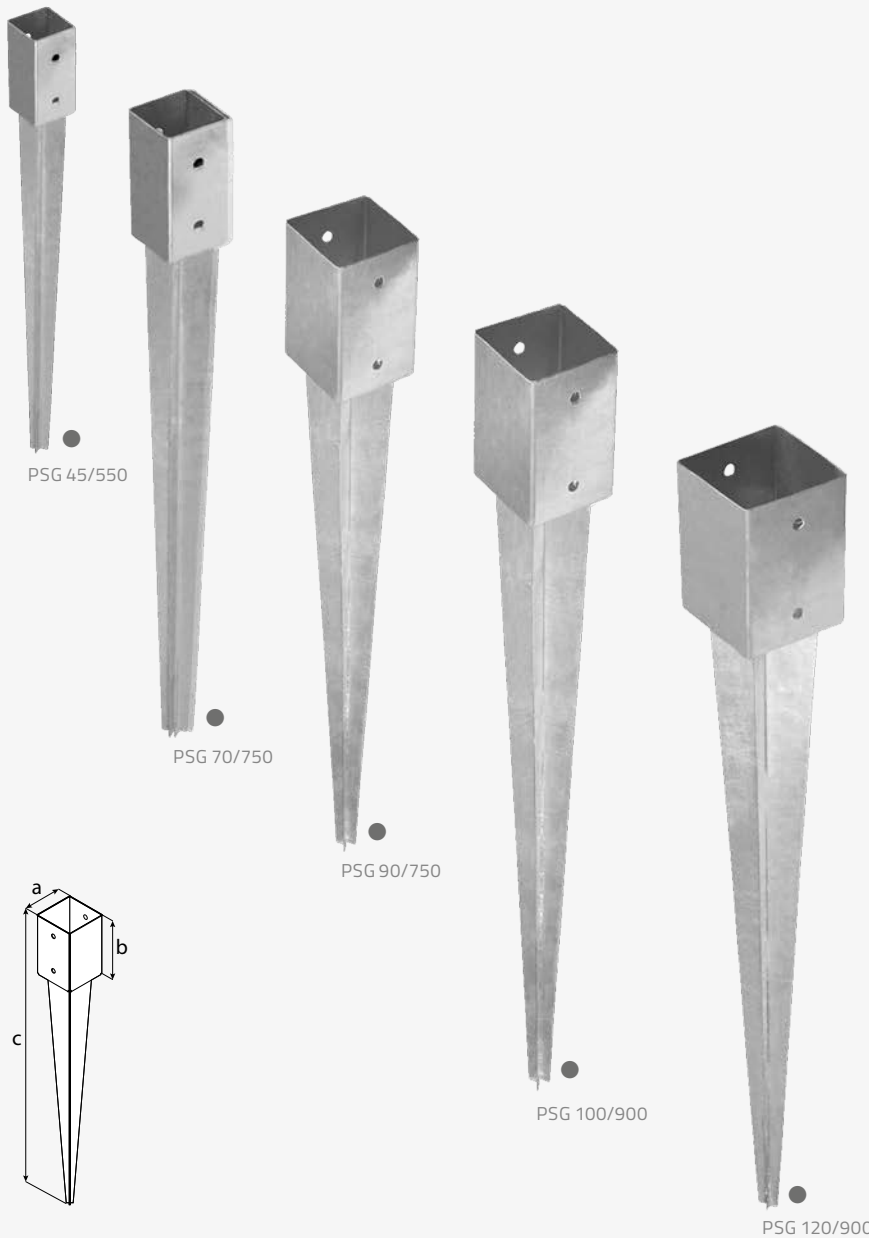
**Application** The PSG post support allows the installation of timber elements in the ground. It ensures adequate dilatation of the wood from the substrate.

**Material** S235 + hot dip zinc.

**Mounting** Wood: wood screws – CTO  $\varnothing 8$ ,  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ .

## PSG

### Drive-in post support



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	≠	$\varnothing 9$	$\varnothing 11$		
PSG 45/550	●	4816	46	100	550	1,5	4	–	640	20
PSG 70/750	●	4821	71	150	750	1,8	–	4	1420	20
PSG 90/750	●	4822	91	150	750	1,8	–	4	1783	16
PSG 100/900	●	4824	101	150	900	1,8	–	4	2050	12
PSG 120/900	●	4827	121	150	900	1,8	–	4	2800	1

**coating:**  
● hot dip zinc

# PSGR

Adjustable drive-in post support



**Application**

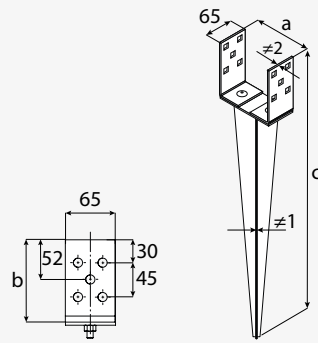
The post support for installing timber elements in the ground. It has an adjustable width from 0 to 120 mm. Thanks to its design, it allows using beams with custom dimensions.

**Material**

S235 + hot dip zinc.

**Mounting**

Wood: wood screws - CTO  $\phi 10$ ; wood screws - PWD  $\phi 10$ ; M10 metric screw.



PSGR 0-120/700

name	coat.	art no.	dimensions [mm]					holes [mm]	weight [g]	pack. [pcs]
			a	b	c	$\neq 1$	$\neq 2$	$\phi 12$		
PSGR 0-120/700	●	4817	0-120	108	812	2,0	4,0	10	1930	8

coating:  
● hot dip zinc



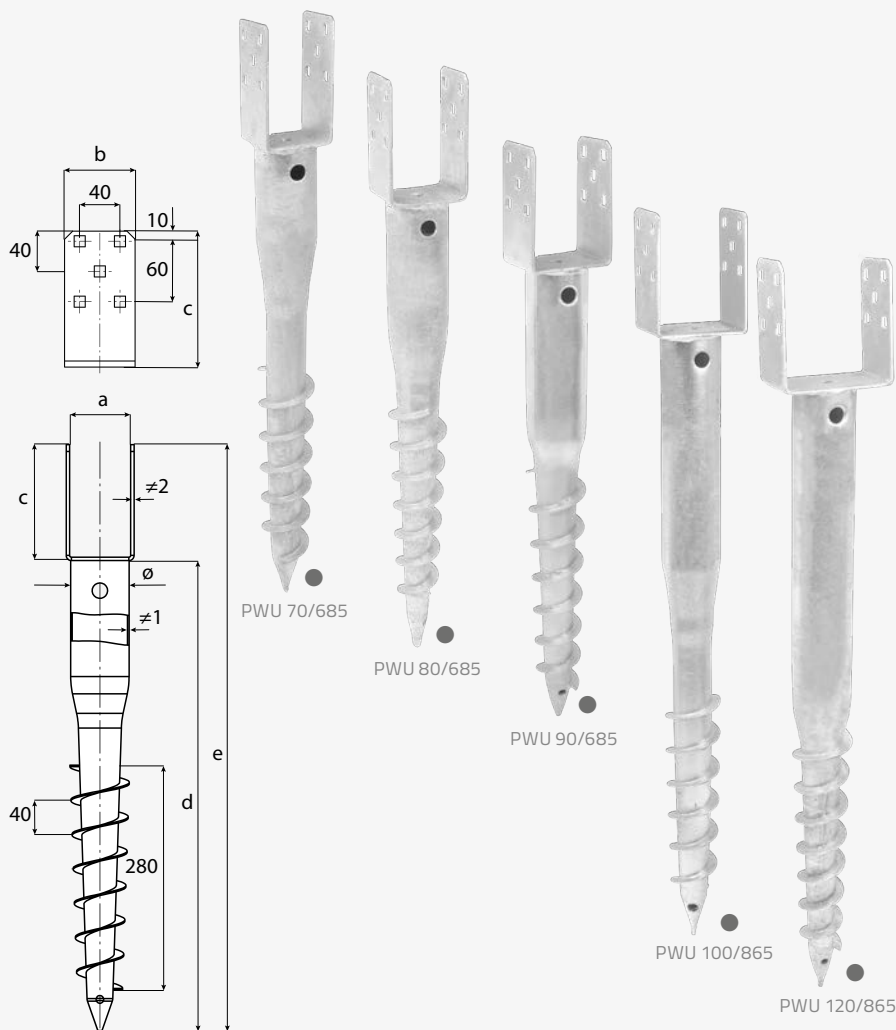
**PWU**  
application



**Application** Post support for installing timber elements in the ground, for use in a wide variety of timber structures without the need for concrete foundations.

**Material** S235 + hot dip zinc.

**Mounting** Wood: wood screws - CTO  $\phi 10$ ; wood screws - PWD  $\phi 10$ ; steel: M10 metric screws.



name	coat.	art no.	dimensions [mm]								holes [mm]	weight [g]	pack. [pcs]
			a	b	c	d	e	$\phi$	$\neq 1$	$\neq 2$	$\square 11$		
PWU 70/685	●	48291	71	70	135	550	685	68	1,8	4,0	10	2050	6
PWU 80/685	●	48292	81	70	135	550	685	68	1,8	4,0	10	2130	6
PWU 90/685	●	48293	91	70	135	550	685	68	1,8	4,0	10	2200	6
PWU 100/865	●	48294	101	70	135	730	865	68	1,8	4,0	10	2750	6
PWU 120/865	●	48295	121	70	135	730	865	68	1,8	4,0	10	2970	6

**coating:**  
● hot dip zinc

load data*	clay			gravel			sand		
	$\downarrow$ kN	$\uparrow$ kN	$\leftrightarrow$ kN	$\downarrow$ kN	$\uparrow$ kN	$\leftrightarrow$ kN	$\downarrow$ kN	$\uparrow$ kN	$\leftrightarrow$ kN
PWU 70/685	5,7	3,7	2,2	8,9	6,0	1,1	10,0	5,6	1,1
PWU 80/685	5,7	3,7	2,2	8,9	6,0	1,1	10,0	5,6	1,1
PWU 90/685	5,7	3,7	2,2	8,9	6,0	1,1	10,0	5,6	1,1
PWU 100/865	7,7	5,0	3,0	11,9	8,0	1,5	13,3	7,5	1,5
PWU 120/865	7,7	5,0	3,0	11,9	8,0	1,5	13,3	7,5	1,5

$\downarrow$  kN vertical thrust       $\uparrow$  kN vertical pull-out force       $\leftrightarrow$  kN horizontal displacement force

\* The values given are indicative. Before fixing the structure, it is advisable to carry out a test under local conditions and/or carry out relevant strength calculations.

## PWU

Screw-in post support



see the instructional video



assembly  
**PWU**  
see page 122

# PWG

Screw-in post support  
(with no accessories)



**Application**

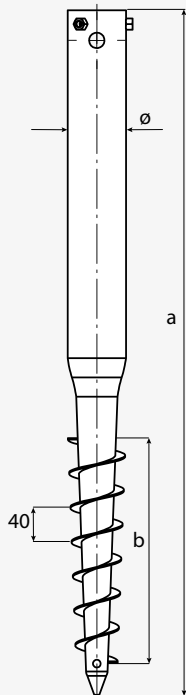
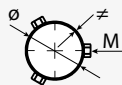
Basic model of lightweight post support. It has a circular base. It can be screwed in with a metal rod, without the use of special tools, and can also be dismantled and reused.

**Material**

S235 + hot dip zinc.

**Mounting**

Steel: M5, M8 metric screws.



assembly  
**PWG**  
see page 104, 114–115, 122–123

name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	ø	≠	M			
PWG 60/550	●	482821	550	200	60	1,7	M5	1 120	6	
PWG 68/650	●	482831	650	280	68	1,8	M8	1 620	6	
PWG 68/800	●	482832	800	280	68	1,8	3×M8	2 200	1	

coating:  
● hot dip zinc

load data*	clay			gravel			sand		
	↓ kN	↑ kN	↔ kN	↓ kN	↑ kN	↔ kN	↓ kN	↑ kN	↔ kN
PWG 60/550	2,6	1,8	0,7	4,3	2,8	0,5	4,7	2,8	0,4
PWG 68/650	3,2	2,2	0,9	5,4	3,5	0,7	5,9	3,5	0,5
PWG 68/800	8,4	5,5	3,3	13,1	8,8	1,7	14,6	8,3	1,7

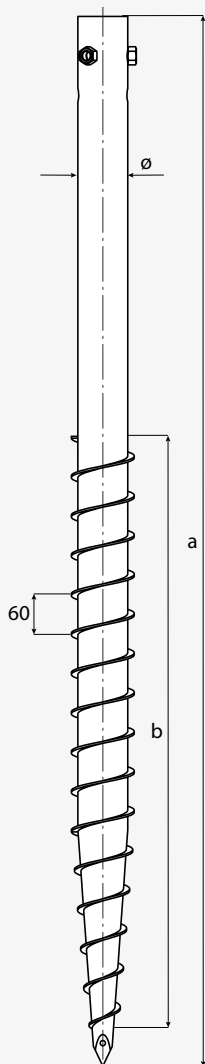
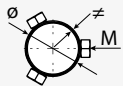
↓ kN vertical thrust      ↑ kN vertical pull-out force      ↔ kN horizontal displacement force

\* The values given are indicative. Before fixing the structure, it is advisable to carry out a test under local conditions and/or carry out relevant strength calculations.

**Application** A heavy screw base with a circular cross-section designed for heavy loads. Thanks to its large size, it allows to mount the constructions on sloping terrain. It is used to assemble structures based on round poles, such as lamps, photovoltaic panels or basketball backboards.

**Material** S235 + hot dip zinc.

**Mounting** Stal: M12, M16 metric screws.



PWG 89/1000

PWG 76/1600

name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	ø	ø	M			
PWG 76/1600	●	482833	1600	900	76	3,0	3 × M16	10080	1	
PWG 89/1000	●	482834	1000	480	89	3,0	4 × M12	12420	1	

**coating:**  
● hot dip zinc

load data*	clay			gravel			sand		
	↓ kN	↑ kN	↔ kN	↓ kN	↑ kN	↔ kN	↓ kN	↑ kN	↔ kN
PWG 76/1600	30,8	19,6	8,4	30,3	20,8	6,4	32,9	20,2	5,9
PWG 89/1000	17,6	11	5,8	18,7	13,6	2,5	21	12,9	2,1

↓ kN vertical thrust      ↑ kN vertical pull-out force      ↔ kN horizontal displacement force

\* The values given are indicative. Before fixing the structure, it is advisable to carry out a test under local conditions and/or carry out relevant strength calculations.

## PWG

Screw-in post support  
(with no accessories)



see the  
instructional  
video



# PWOM

Horizontal beam mounting lid



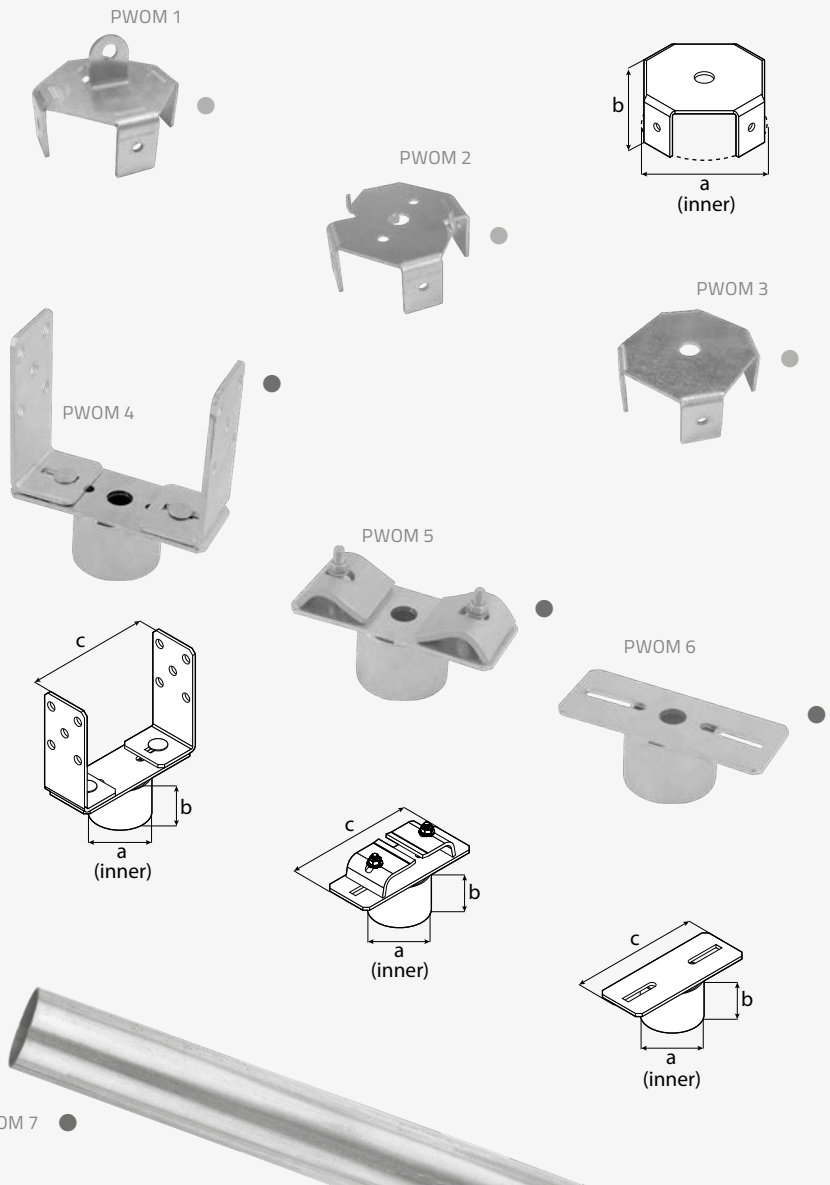
see the instructional video



**Application** Mounting lids for  $\phi 68$  screw bases, e.g. PWG 68/650, PWG 68/800. The available accessories extend the usability of the standard screw bases so that they can be used in even more constructions. There are adaptors for attaching fence stays, trampolines or trusses.

**Material** DX51D + Z275; S235 + hot dip zinc.

**Mounting** Wood:  $\phi 5$  wood screws; steel: M8, M10 metric screws;  $\phi 4.8$  metal self-drilling screws.

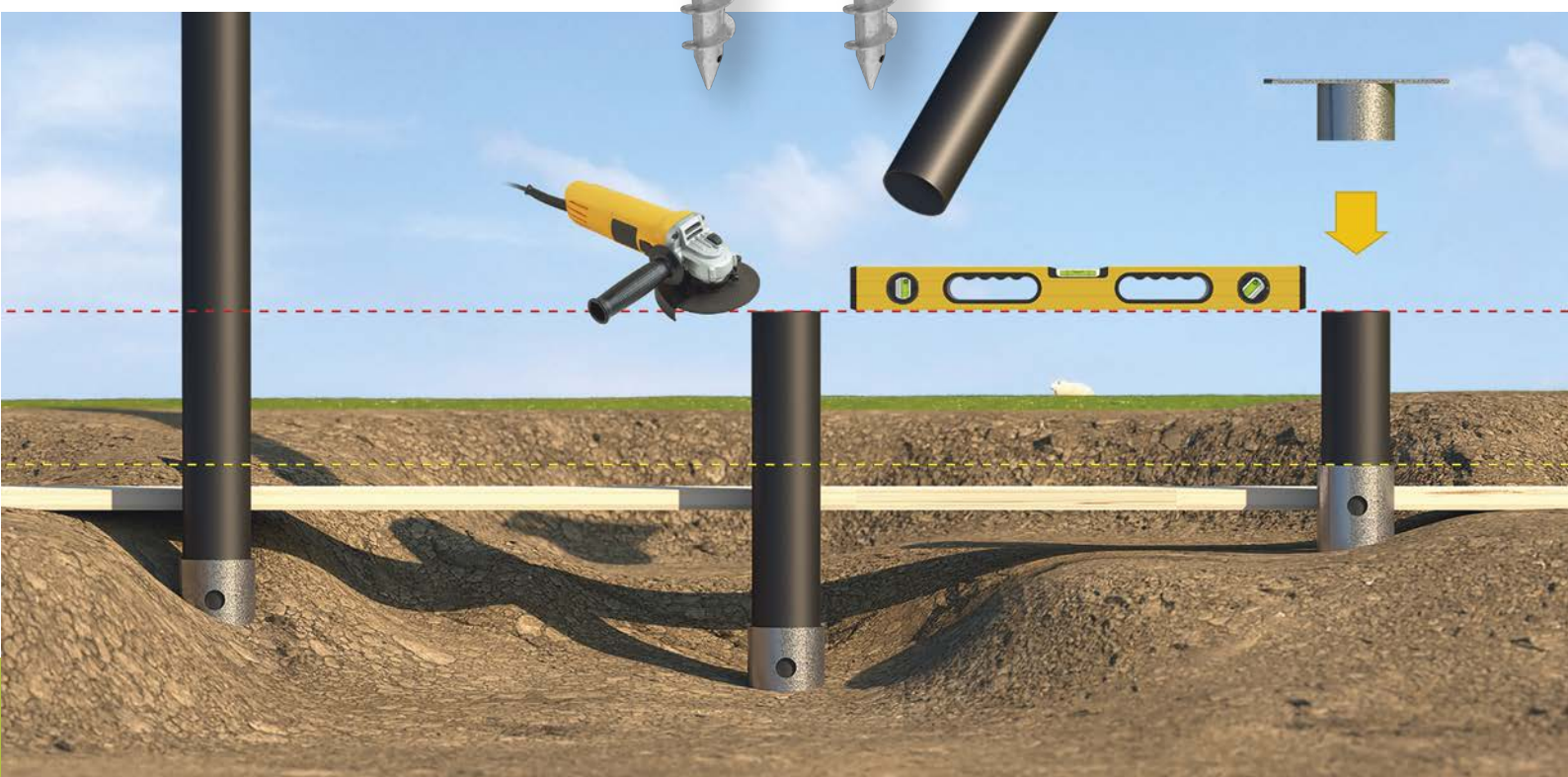
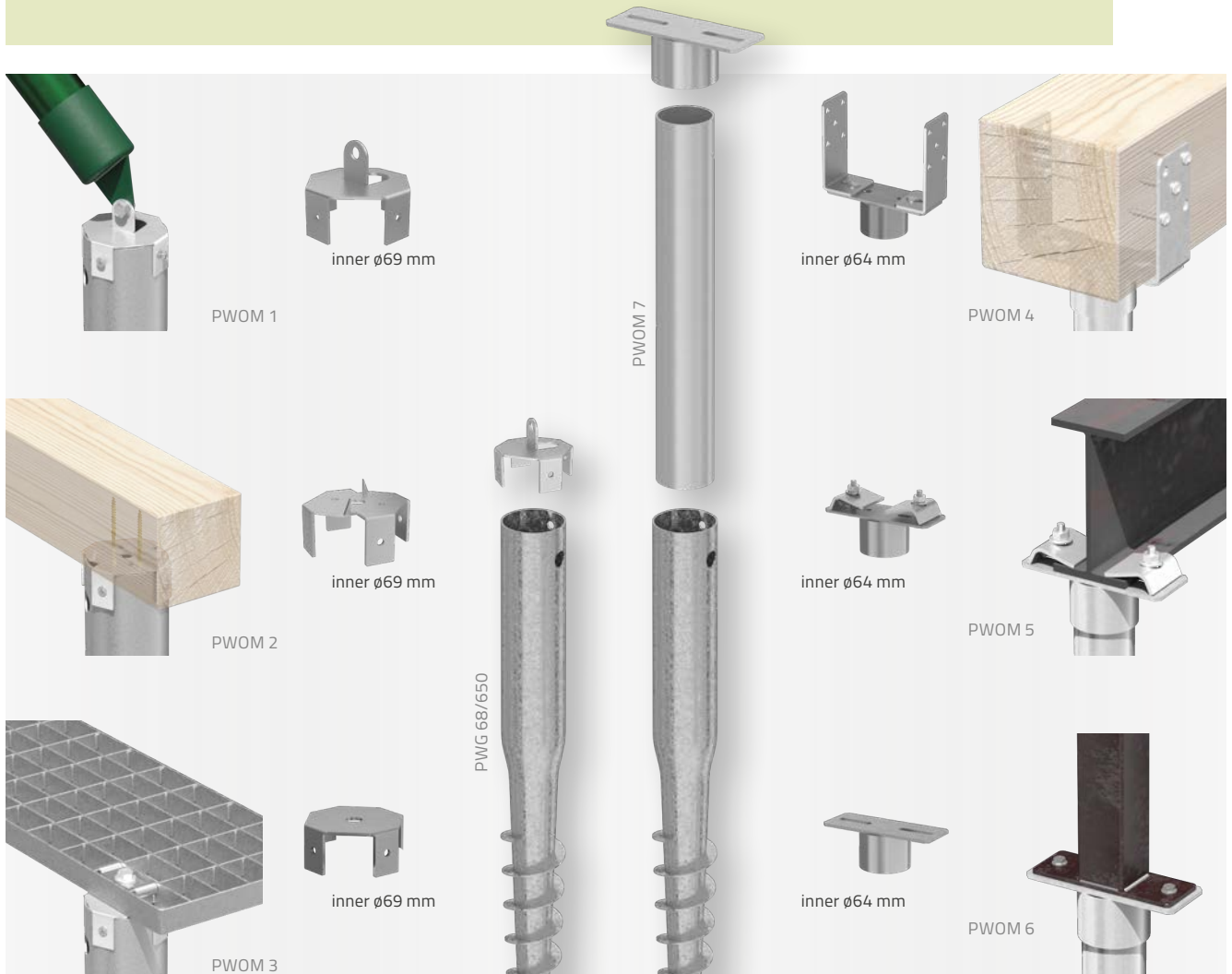


name	coat.	art no.	dimensions [mm]				holes [mm]					weight [g]	pack. [pcs]
			a	b	c	≠	$\phi 5$	$\phi 6$	$\phi 8$	$\phi 11$	9/4,5		
PWOM 1	●	482993	$\phi 69$	30	–	2,0	4	–	1	–	–	89	6
PWOM 2	●	482994	$\phi 69$	30	–	2,0	4	2	–	1	–	87	6
PWOM 3	●	482995	$\phi 69$	30	–	2,0	4	–	–	1	–	91	6
PWOM 4	●	4829961	$\phi 64$	50	60–200	4,0	–	–	–	10	–	1030	1
PWOM 5	●	4829962	$\phi 64$	50	160	4,0	–	–	–	–	–	660	1
PWOM 6	●	4829963	$\phi 64$	50	160	4,0	–	–	–	–	1	440	1
PWOM 7	●	4829964	$\phi 60$	1200	–	2,0	–	–	–	–	–	3430	1

**coating:**  
 ● DX51D + Z275MAC  
 ● hot dip zinc

## ASSEMBLY PWG+PWOM

The available accessories extend the usability of the standard screw bases so that they can be used in even more constructions. The range includes adapters for attaching fence stays, trampolines, trusses and also for connecting an anchor to an I-beam or timber beam.



# PWO

Screw-in  
post support  
with spacer



**Application**

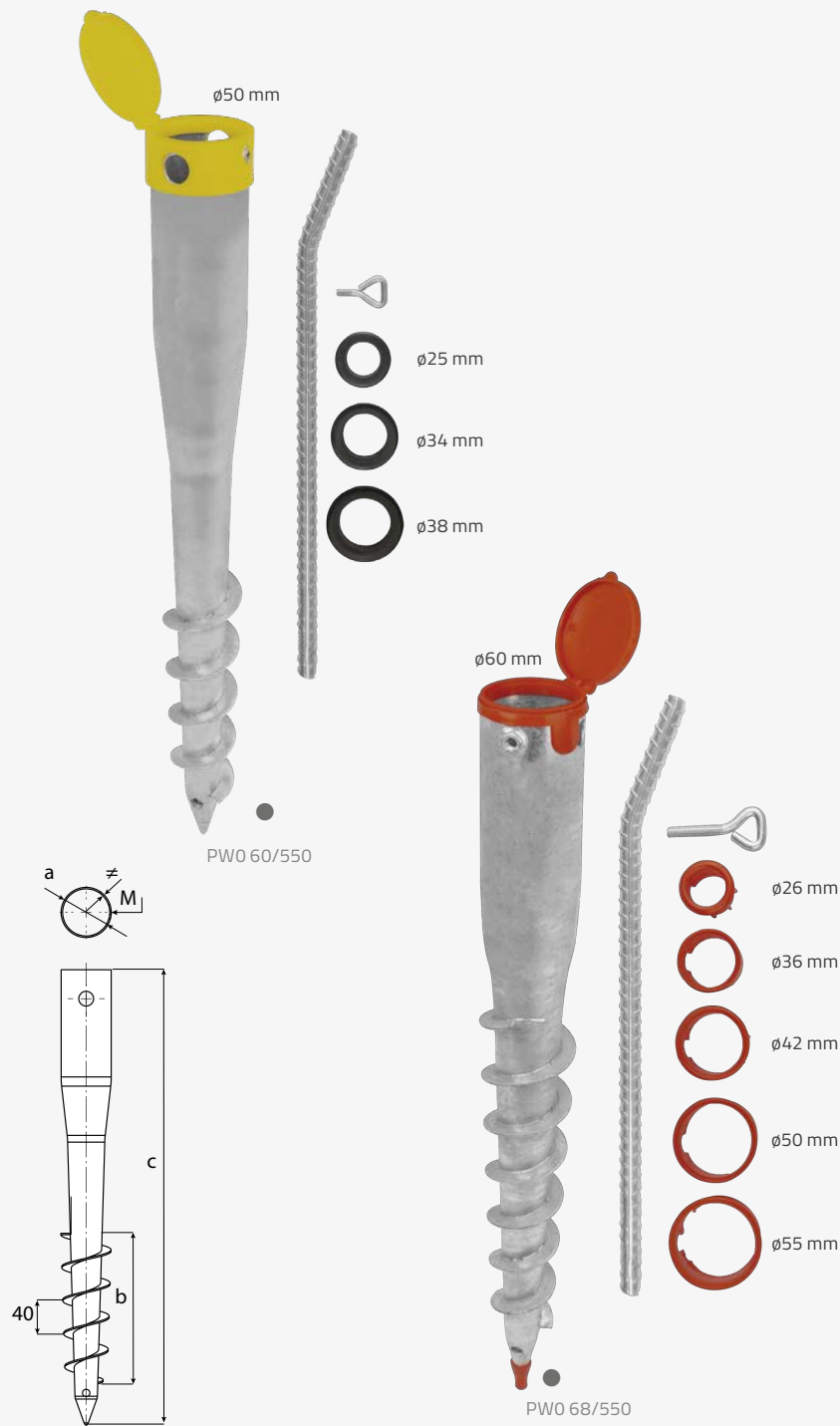
Post support for fixing structures based on a circular post in the ground, without the need for concrete foundations or specialised tools. It is easy to both assemble and disassemble. The included spacers allow the use of posts of different diameters.

**Material**

S235 + hot dip zinc; polypropylene.

**Mounting**

Steel: M5, M8 metric screws.



name	coat.	art no.	dimensions [mm]				holes [mm]	weight [g]	pack. [pcs]	
			a	b	c	ø				
PWO 60/550	●	48280	60	200	550	ø25/34/38/50	1,7	M5	1670	6
PWO 68/550	●	48281	68	200	550	ø26/36/42/50/55/60	1,8	M8	2140	6

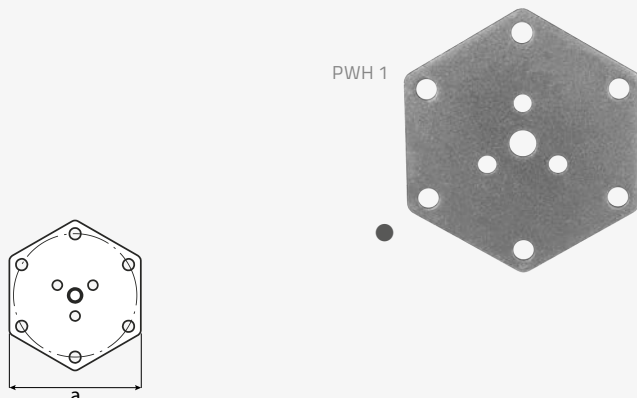
coating:  
● hot dip zinc



**Application** A hex plate designed to be connected to steel components (welding). Welded profiles or I-beams can then be connected to PWM supports or support extensions. The lack of corrosion protection allows safe welding.

**Material** S235 + oil film.

**Mounting** Wood: wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ ; steel: M10, M12 metric screws.



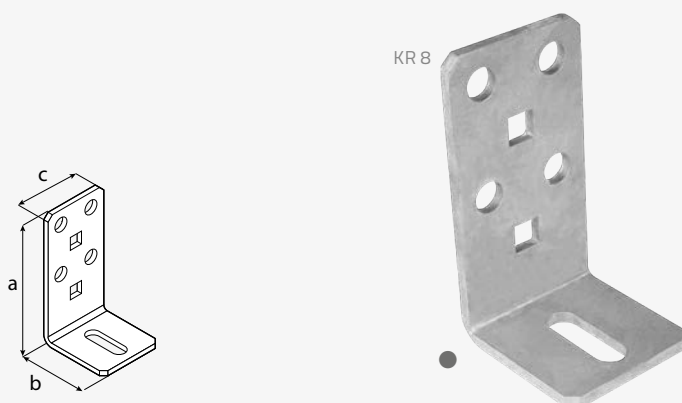
name	coat.	art no.	dimensions [mm]				holes [mm]			weight [g]	pack. [pcs]
			a	$\neq$	$\varnothing 12$	$\varnothing 14$	$\varnothing 18$				
PWH 1	●	482867	160	8,0	3	6	1	1300	20		

**coating:**  
● oil film

**Application** The bracket is designed for supports with a rectangular or hex plate and allows the fastening and adjustment of beams with a rectangular or square cross-section. It has adjustable holes to make it easier to install non-standard elements and to eliminate expansion stress. The ability of the components to move against each other means that there are no loads in the joint from deformation or changes in the moisture content of the wood.

**Material** DX51D + Z275.

**Mounting** Wood: wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ , PNP set, M12 lock screws; steel: M12, M14 metric screws.

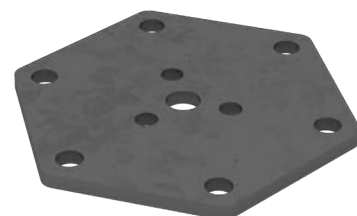


name	coat.	art no.	dimensions [mm]				holes [mm]			weight [g]	pack. [pcs]
			a	b	c	$\neq$	$\varnothing 14$	$\square 13$	$\cup 14/30$		
KR 8	●	42113	130	70	65	5,0	4	2	1	135	4

**coating:**  
● S235 + hot dip zinc

## PWH

Hex flange for PWM



assembly  
**PWH**  
see page 113

## KR

Adjustable  
bracket



assembly  
**KR8**  
see page 112

# PWM

Screw-in  
post support  
(hexagonal)



see the  
instructional  
video

assembly  
**PWM**  
see page 112–113



**Application**

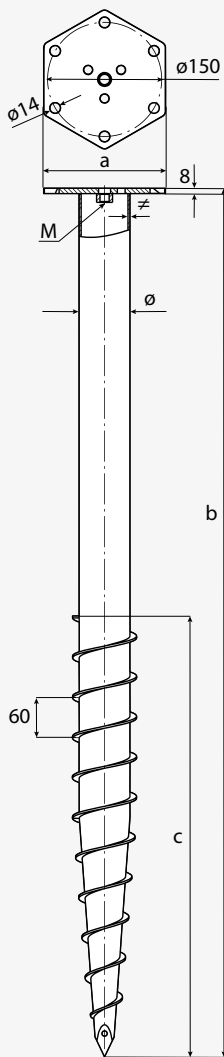
Heavy-duty post support. The large size and the use of support extensions allow the structure to be installed on sloping terrain and even on the bottom of water reservoirs. It is ideal for the construction of decks, terraces, carports and, thanks to its durability, also entire timber houses.

**Material**

S235 + hot dip zinc.

**Mounting**

Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; steel: M10, M12, M16, M24 metric screws.



PWM 76/1300



PWM 76/1600



PWM 114/1600

name	coat.	art no.	dimensions [mm]						holes [mm]			weight [g]	pack. [pcs]
			a	b	c	$\phi$	$\neq$	$\phi 11$	$\phi 14$	M			
PWM 76/1300	●	482840	160	1300	600	76	3,0	3	6	M16	9110	1	
PWM 76/1600	●	482841	160	1600	900	76	3,0	3	6	M16	10670	1	
PWM 114/1600	●	482842	160	1600	900	114	3,5	3	6	M24	17580	1	

coating:  
● hot dip zinc

load data*	clay			gravel			sand		
	↓ kN	↑ kN	↔ kN	↓ kN	↑ kN	↔ kN	↓ kN	↑ kN	↔ kN
PWM 76/1300	21,4	11,8	6,1	24,2	14,4	4,9	26,2	14,4	5,2
PWM 76/1600	30,8	19,6	8,4	30,3	20,8	6,4	32,9	20,2	5,9
PWM 114/1600	40,0	25,5	10,9	39,4	27,0	8,4	42,7	26,2	7,7

↓ kN vertical thrust      ↑ kN vertical pull-out force      ↔ kN horizontal displacement force

\* The values given are indicative. Before fixing the structure, it is advisable to carry out a test under local conditions and/or carry out relevant strength calculations.

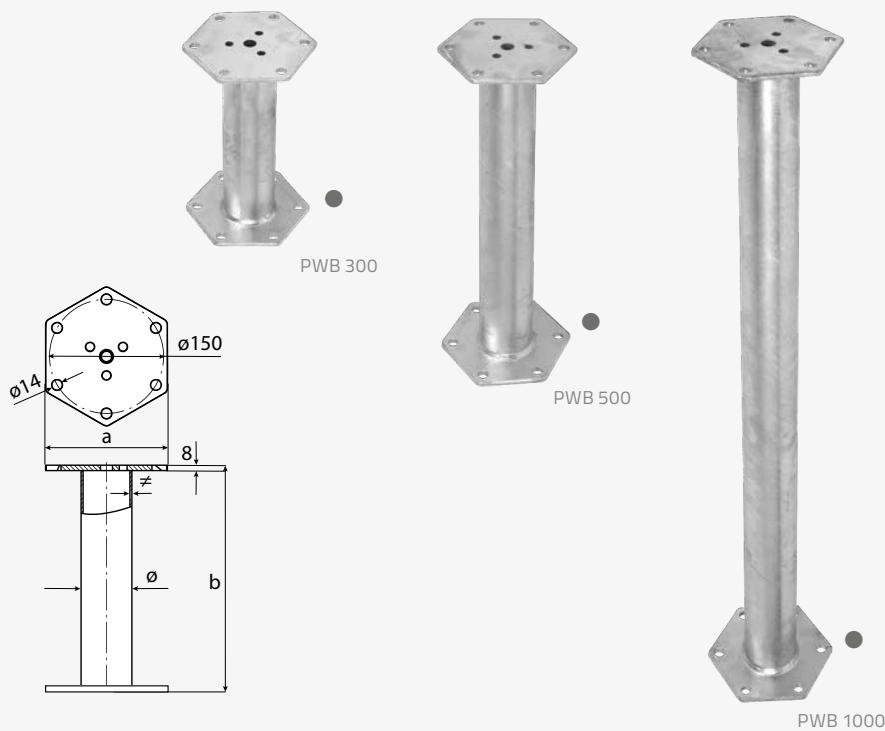
**Application** The hex flange-ended PWM support extension allows the support to be installed even in sloping terrain, while ensuring adequate strength.

**Material** S235 + hot dip zinc.

**Mounting** Wood: wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ ; steel: M10, M12 metric screws.

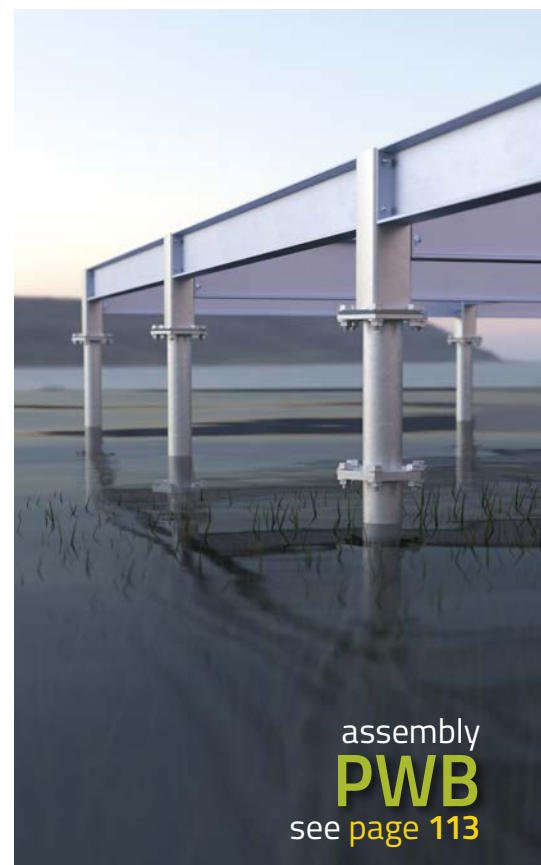
## PWB

### PWM support extension



name	coat.	art no.	dimensions [mm]				holes [mm]			weight [g]	pack. [pcs]
			a	b	$\varnothing$	$\neq$	$\varnothing 12$	$\varnothing 14$	$\varnothing 16$		
PWB 300	●	482861	160	300	76	3,0	6	12	2	4330	1
PWB 500	●	482862	160	500	76	3,0	6	12	2	5380	1
PWB 1000	●	482863	160	1000	76	3,0	6	12	2	7980	1

coating:  
● hot dip zinc



assembly  
**PWB**  
see page 113

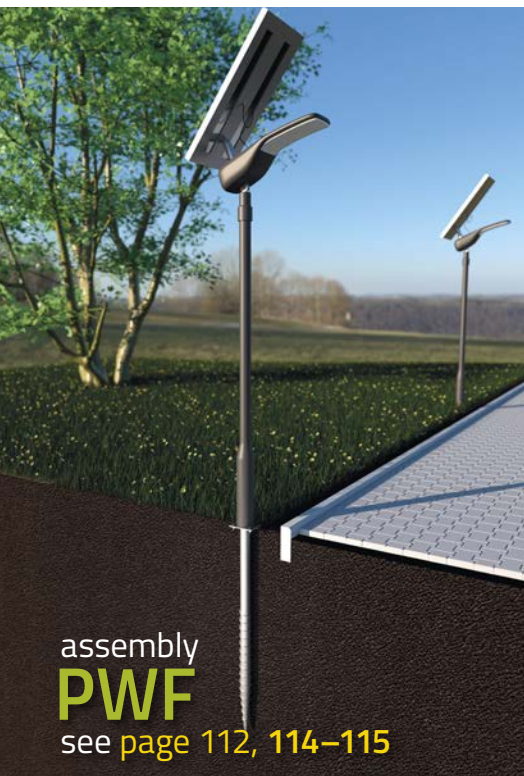


# PWF

Screw-in  
post support  
(square base)



see the  
instructional  
video



assembly  
**PWF**  
see page 112, 114–115

**Application**

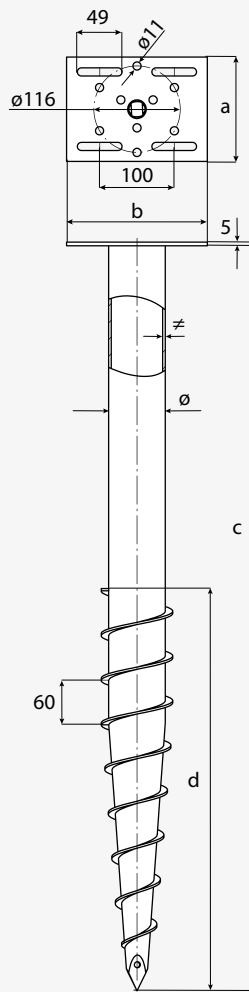
Post support for installing the structure in the ground. Designed for heavy-duty use. The size and option to use extensions allow the structure to be anchored on sloping terrain and even in water. A rectangular plate with holes for adjustment allows mounting various accessories. It is designed for, among other things, timber houses, piers or shelters.

**Material**

S235 + hot dip zinc.

**Mounting**

Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; steel: M10 metric screws.



PWF 76/1000



PWF 76/1600

name	coat.	art no.	dimensions [mm]						holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	$\phi$	$\neq$	$\phi 11$	$\square 11/49$		
PWF 76/1 000	●	482851	140	190	1000	480	76	3,5	9	4	9670	1
PWF 76/1 600	●	482852	140	190	1600	900	76	3,5	9	4	10910	1

coating:  
● hot dip zinc

load data*	clay			gravel			sand		
	$\downarrow$ kN	$\uparrow$ kN	$\leftrightarrow$ kN	$\downarrow$ kN	$\uparrow$ kN	$\leftrightarrow$ kN	$\downarrow$ kN	$\uparrow$ kN	$\leftrightarrow$ kN
PWF 76/1000	15,3	9,6	5,1	16,3	11,8	2,2	18,3	11,2	1,9
PWF 76/1600	30,8	19,6	8,4	30,3	20,8	6,4	32,9	20,2	5,9

$\downarrow$  kN vertical thrust       $\uparrow$  kN vertical pull-out force       $\leftrightarrow$  kN horizontal displacement force

\* The values given are indicative. Before fixing the structure, it is advisable to carry out a test under local conditions and/or carry out relevant strength calculations.

**Application** PWM and PWF rectangular plate-ended support extension with holes for mounting and adjusting accessories. It ensures increased functionality of the support.

**Material** S235 + hot dip zinc.

**Mounting** Wood: wood screws – CTO  $\varnothing 10$ ; wood screws – PWD  $\varnothing 10$ ; steel: M10 metric screws.



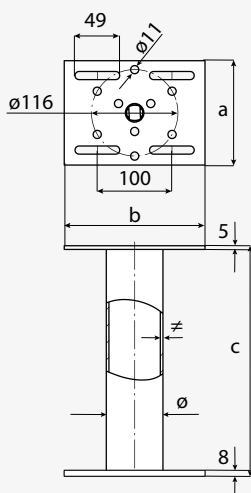
PWC 300



PWC 500



PWC 1000



name	coat.	art no.	dimensions [mm]						holes [mm]					weight [g]	pack. [pcs]
			a	b	c	$\varnothing$	$\neq$	$\varnothing 11$	$\varnothing 12$	$\varnothing 14$	$\varnothing 18$	11/49			
PWC 300	●	482864	140	190	300	76	3,0	9	3	6	1	4	1520	1	
PWC 500	●	482865	140	190	500	76	3,0	9	3	6	1	4	2600	1	
PWC 1000	●	482866	140	190	1000	76	3,0	9	3	6	1	4	5300	1	

**coating:**  
● hot dip zinc

## PWC

PWM/PWF  
post support  
extension



# ASSEMBLY PWM/PWF+KR8

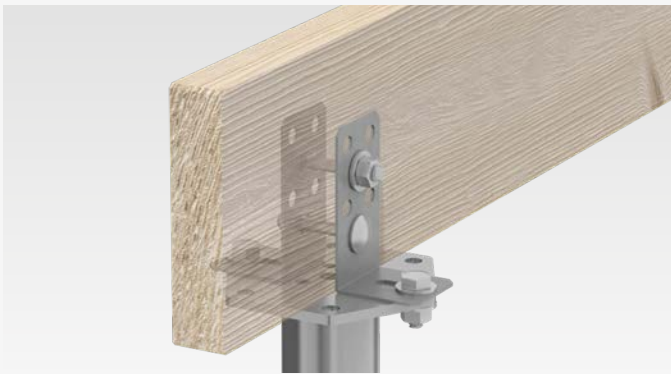
PWM and PWF supports with **wooden elements** are fixed using KR8 angle brackets. The adjustment holes allow the use of beams of different cross-sections, while movable angles allow the beam to be positioned in a straight line, regardless of the positioning of the anchors.



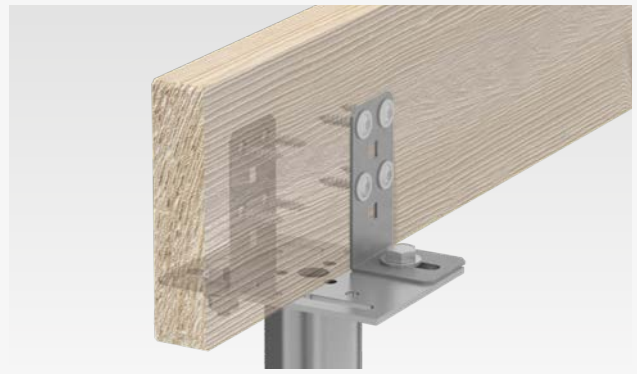
PWM + KR8 » fixing of square beams



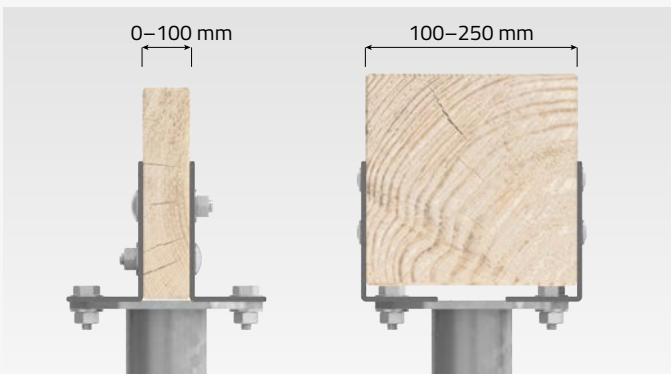
PWF + KR8 » fixing of square beams



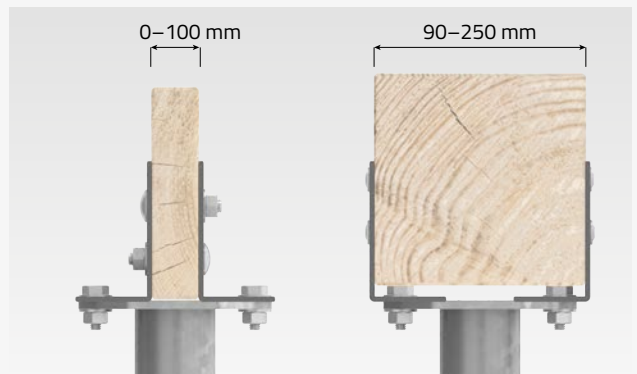
PWM + KR8 » fixing of rectangular beams



PWF + KR8 » fixing of rectangular beams



min.-max. spacing for PWM



min.-max. spacing for PWF



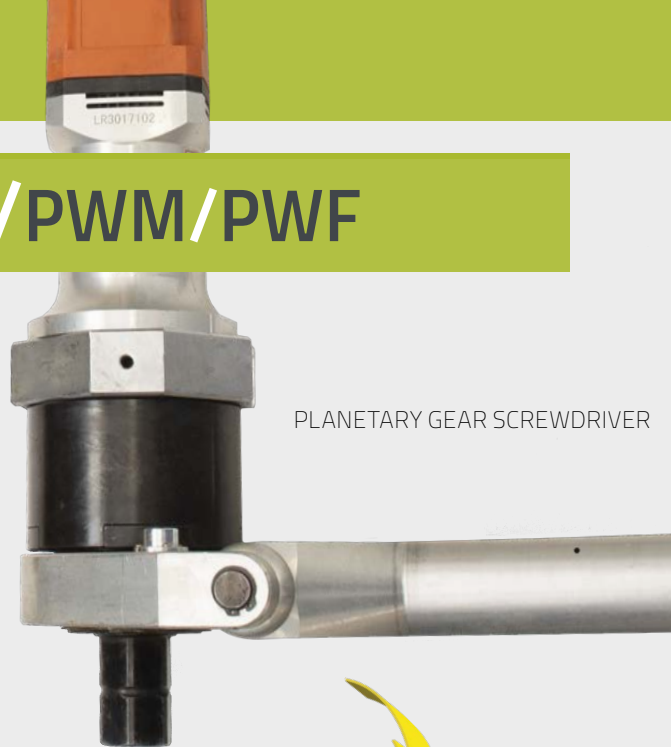
KR8 adjustable with non-straight support arrangement

## PWM+PWB+PWH ASSEMBLY

Steel elements can be connected to PWM and PWF supports with the PWH hex plate, to which a rectangular profile, tube or I-section must be welded. The connected component is then bolted directly to the support, thus maintaining the increased strength of the entire structure.



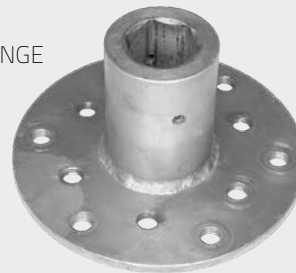
# ASSEMBLY PWG/PWM/PWF



ADAPTER WITH BUSHING



ADAPTER WITH FLANGE



PWG



PWM



PWF



see the  
instructional  
video

Screwdriver specifications	
Voltage	230V
Current	9A
Power consumption	2000W
Frequency	50-60HZ
No-load speed	12 rpm
Maximum torque	3600 Nm





**1** Use a theodolite or other measuring device to determine the distances between the post supports.



**2** Using a long drill bit, drill a pilot hole to check the ground and remove minor obstructions.



**3** Fill the hole with water to allow better feed when screwing in the support.



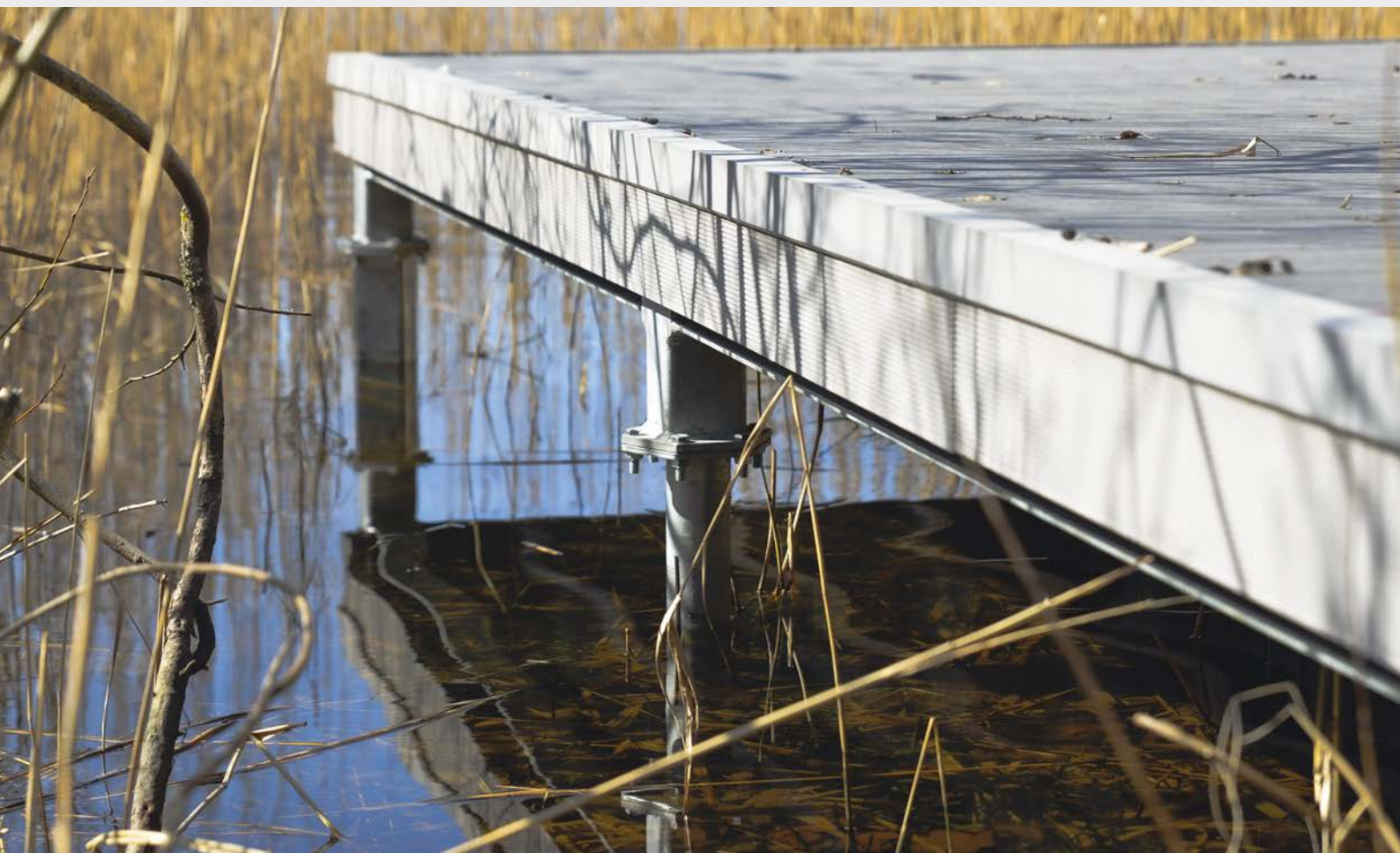
**4** Using a high-torque, heavy-duty screwdriver, screw the support into the ground.



**5** Use a spirit level to check the correct alignment of the post supports.



**6** Set the structure on the post supports using the required accessories.



# PWT

Threaded-socket  
ground screw anchor



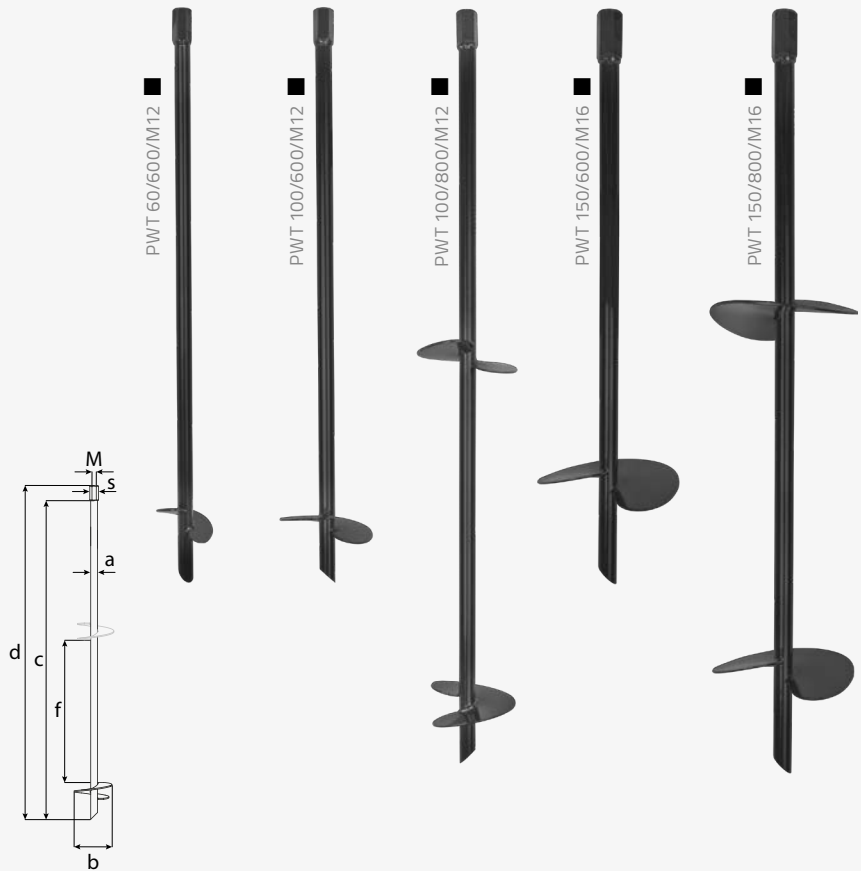
see the  
instructional  
video

**Application**

The PWT anchor allows fixing garden elements to the ground. It is ended with a hex socket, allowing the screwing of components with metric threads. Use a screwdriver for fitting.

**Material**

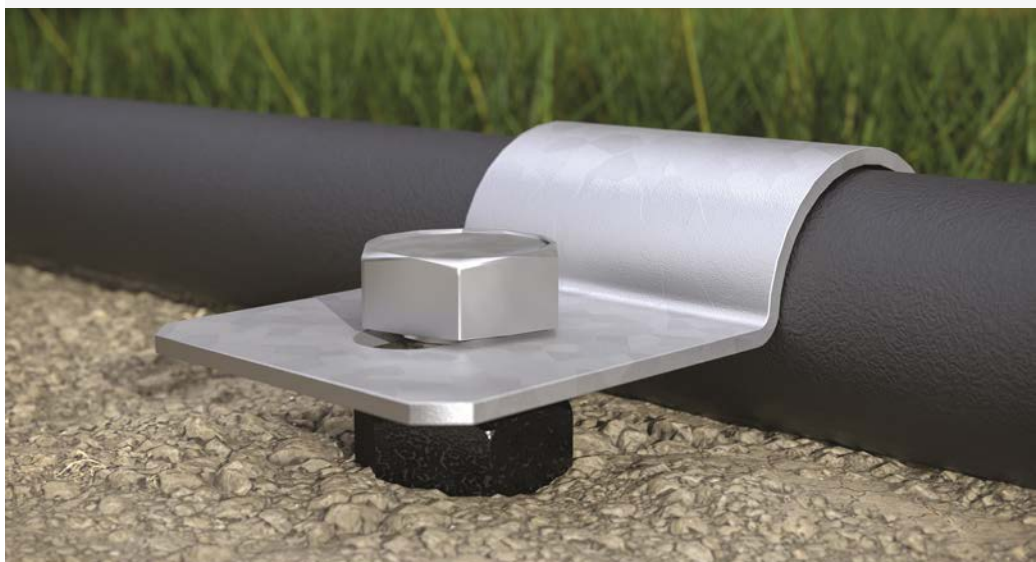
S235 + painted black.



name	coat.	art no.	dimensions [mm]						holes [mm]	weight [g]	pack. [pcs]
			a	b	c	d	f	s	M		
PWT 60/600/M12	●	482971	17,2	60	600	636	-	19	M12	555	1
PWT 100/600/M12	●	482972	17,2	100	600	636	-	19	M12	645	1
PWT 100/800/M12	●	482973	17,2	100	800	836	360	19	M12	940	1
PWT 150/600/M16	●	482974	21,3	150	600	648	-	24	M16	1070	1
PWT 150/800/M16	●	482975	21,3	150	800	848	350	24	M16	1640	1

**coating:**

- powder coated black



**Application** Lifting eye bolt with metric thread. It is mainly used for fixing ropes. The bolt thread fits the PWT screw-in anchor.

**Material** Carbon steel C15 + silver galvanization.



name	coat.	art no.	dimensions [mm]						weight [g]	pack. [pcs]
			$\phi 1$	$\phi 2$	h	l	k	d		
PWTU M12/30	●	39381	30	54	53	20,5	12	M12	166	1 à 10
PWTU M16/35	●	39382	35	63	62	27	14	M16	290	1 à 10

**coating:**  
● silver galvanization

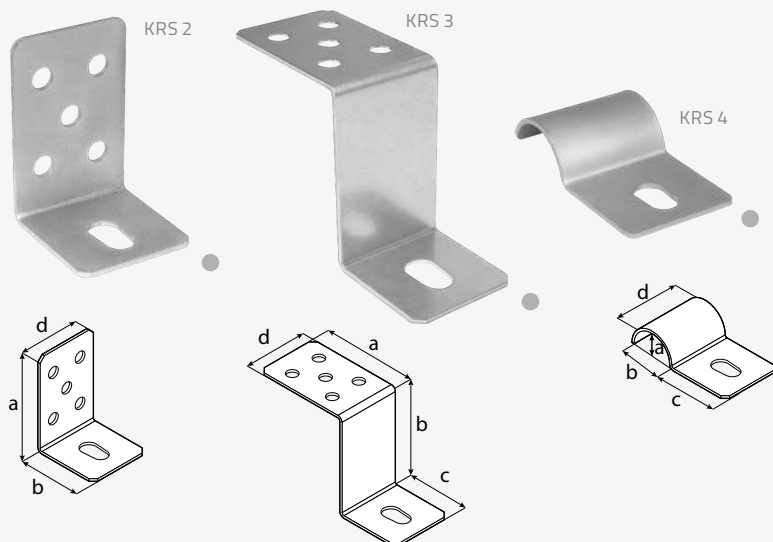
## PWTU

Lifting eye bolt



**Application** KRS brackets have adjustable holes to make it easier to install non-standard elements and to eliminate expansion stress. Components have the ability to move against each other what prevents loads in the connection from deformation or changes in the moisture content of the wood.

**Material** DX51D + Z275.  
**Mounting** Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ , PNP set; steel: M12, M16 metric screws.

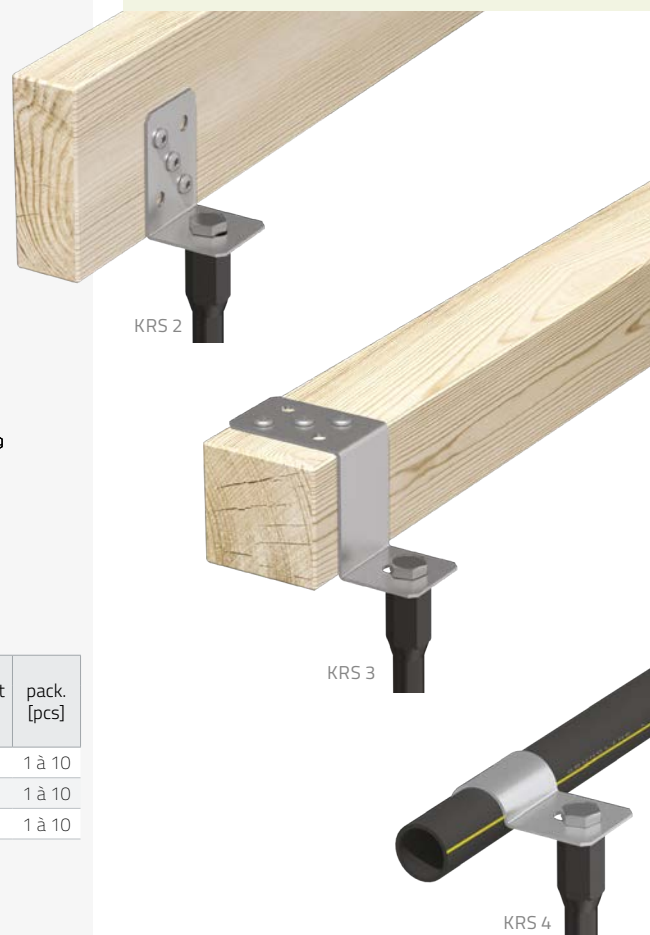


name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]	
			a	b	c	d	$\neq$	$\phi 11$ 14-16/13			
KRS 2	●	42116	90	60	–	60	2,5	5	1	160	1 à 10
KRS 3	●	42117	91	90	60	60	2,5	5	1	270	1 à 10
KRS 4	●	42118	27	$\phi 40$	60	60	2,5	–	1	140	1 à 10

**coating:**  
● DX51D + Z275MAC

## KRS

Adjustable bracket



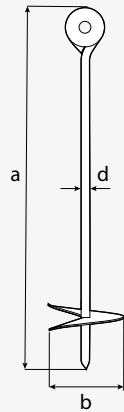
# KWZ

Threaded-socket  
ground screw anchor



**Application** Standard plate screw anchor for installing beams of different cross-sections and adjusting their angle. Designed for fixing swings and other lightweight garden architecture.

**Material** S235 + hot dip zinc.  
**Mounting** Wood:  $\varnothing 10$  wood screw.



name	coat.	art no.	dimensions [mm]			holes [mm]	weight [g]	packaging [pcs]
			a	b	d	$\varnothing 11$		
KWZ	●	4830	470	100	10	1	530	1

coating:  
● hot dip zinc

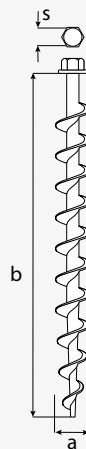
# PWP

Screw-in peg



**Application** Plastic screw-in pegs are a modern, quick and easy way to fix various objects in the ground. The screws are a perfect replacement for traditional driven pegs and are an excellent alternative for fixing greenhouses, tents or crates. Polypropylene.

**Material** Polypropylene.



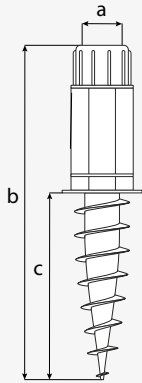
PWP 30/300/M10

name	coat.	art no.	dimensions [mm]			weight [g]	packaging [pcs]
			a	b	s		
PWP 30/300/M10	▼	482961	30	300	17	295	10

coating:  
▼ polypropylene

**Application** Made of high quality plastic for attaching lightweight structures such as sun umbrellas to the ground. Thanks to the handles, it can be easily screwed into the ground by hand.

**Material** Polypropylene.



PWA 1 ▼

name	coat.	art no.	dimensions [mm]			weight [g]	packaging [pcs]
			a	b	c		
PWA 1	▼	482891	16-32	380	215	245	1

**coating:**  
▼ polypropylene

## PWA

Screw-in umbrella support



**Application** CTG universal assembly kit consisting of four long CT 8×300 wafer head screws with TORX 40 socket, four right-angle brackets and four 135° angle brackets. It allows small items such as sandpits to be installed in the ground or replaces traditional 'pegs' for stretching tents.



name	coat.	art no.	dimensions [mm]		TX	weight [g]	packaging [pcs]
			ø	L			
CTG	●●	39401	8,0	300	40	245	1 set

**coating:**  
●● yellow and silver galvanization

## CTG

Assembly kit



# PWPP

Planetary gear



application  
**PWPP**  
see page 122

**Application**

The PWPP three-stage planetary gearbox is designed for PWG 68 and PWO 68 screw-in supports and with the PWKU adapter for PWU screw-in supports. The PWPP gearbox is a reduction gearbox with a ratio of 138:1.



name	art no.	weight [g]	packaging [pcs]
PWPP	482997	7300	1

# PWE

Rod for screw-in post supports



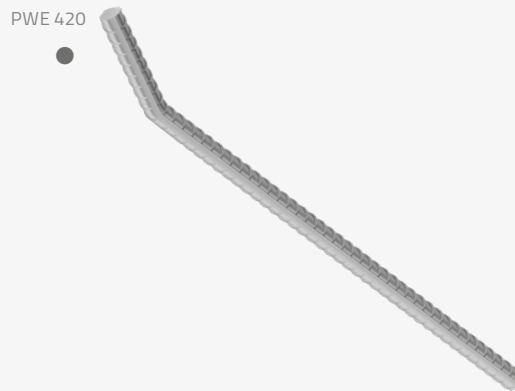
application  
**PWE**  
see page 122

**Application**

Bar for manual fixing of PWG screw-in supports (maximum length 650 mm) and PWU screw-in supports (maximum length 685 mm).

**Material**

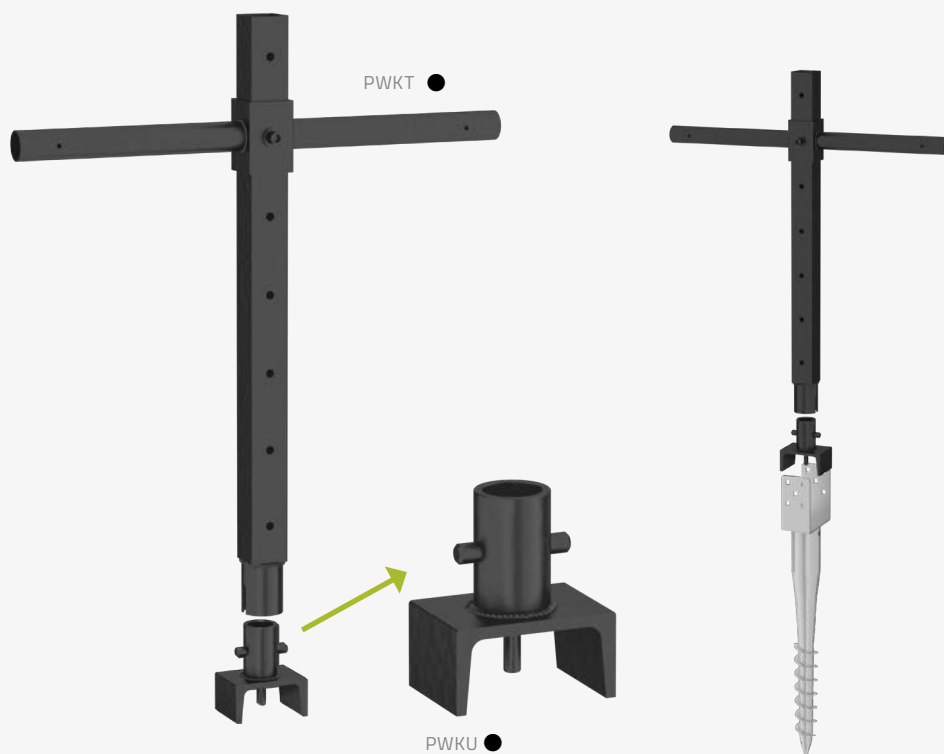
S235 + hot dip zinc.



name	coat.	art no.	dimensions [mm]		weight [g]	packaging [pcs]
			a	b		
PWE 420	●	482991	15	420	503	10

coating:  
● hot dip zinc

**Application** PWKT – spanner for screwing in PWO and PWG round supports. Together with the PWKU 70 adapter, it allows installing PWU supports.



name	coat.	art no.	dimensions [mm]			weight [g]	packaging [pcs]
			a	b	≠		
PWKT 62	●	482999	62	770	3,0	5610	1
PWKU 70	●	482998	70	100	6,0	1170	1

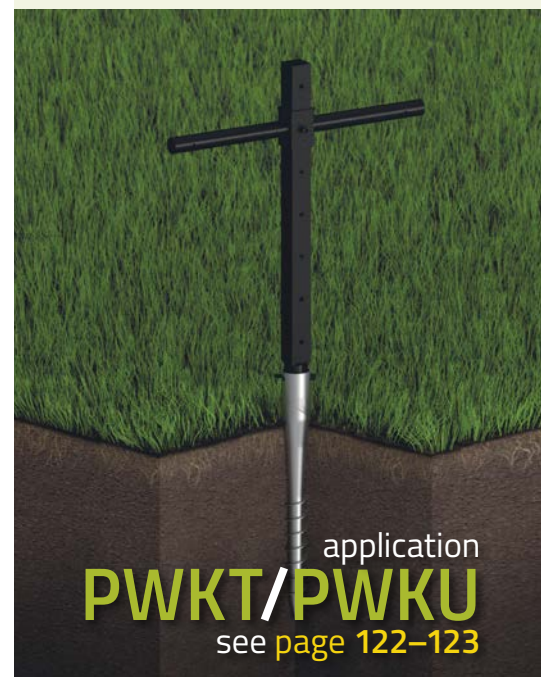
**coating:**  
● powder coated black

## PWKT

Hand spanner for round supports

## PWKU

Adapter for PWU



application  
**PWKT/PWKU**  
see page 122–123

**Application** Bar for manual fixing of PWG screw-in supports (maximum length 650 mm) and PWU screw-in supports (maximum length 685 mm).  
**Material** Recycled plastic.



name	coat.	art no.	dimensions [mm]		weight [g]	packaging [pcs]
			a	b		
WD 70	▼	4925	69	170	530	1
WD 90	▼	4926	89	180	1125	1

**coating:**  
▼ polypropylene

## WD

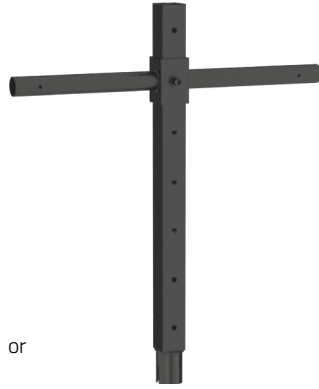
PSG drive-in tool



# FITTING ACCESSORIES



or



+ PWKU



or



+ PWKU



PWG



PWKE



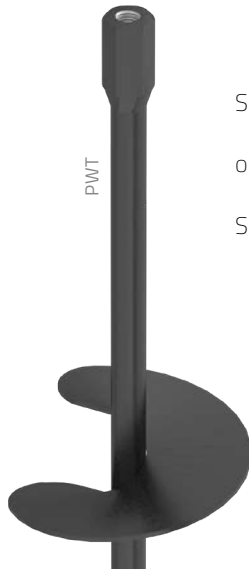
or



or



PWT

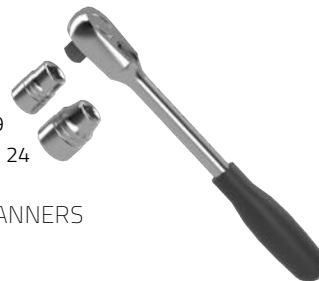


19  
24

SOCKET SPANNERS

or

SCREWER



see the  
instructional  
video





**1** Determine the distances at which the posts should be placed.



**2** Using a long drill bit, drill a pilot hole to check the ground and remove minor obstructions.



**3** Fill the hole with water to allow better feed when screwing in the support.



**4** Use a spirit level to check the correct alignment of the post supports.



**5** Using a metal bar, PWKT spanner or PWPP planetary gear screwdriver, screw the support into the base.



**6** Set the post in the support by back-filling it with granite grit, so that it is stiffened and locked in place.



domax

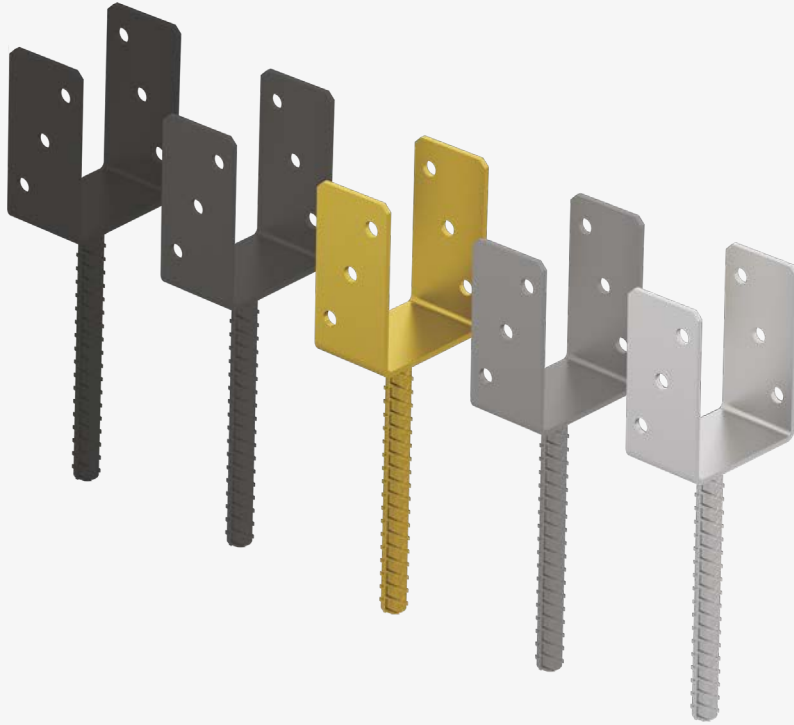


CT

✓ in our offer

construction screw with wafer head see page 290

- Application** The U-type post support allows installing timber elements in concrete. It ensures adequate expansion of the wood from the ground.
- Material** S235 + hot-dip zinc; S235 + galvanization, silver or yellow; S235 + powder coated, black or anthracite.
- Mounting** Wood: wood screws – CTO  $\varnothing$ 10; coach screws PWD  $\varnothing$ 10; PNP set.



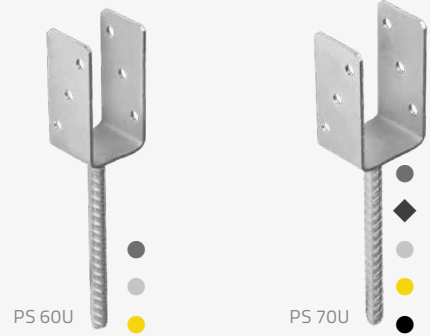
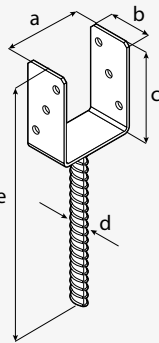
## PS

### U-type post support



PS

U-type  
post support

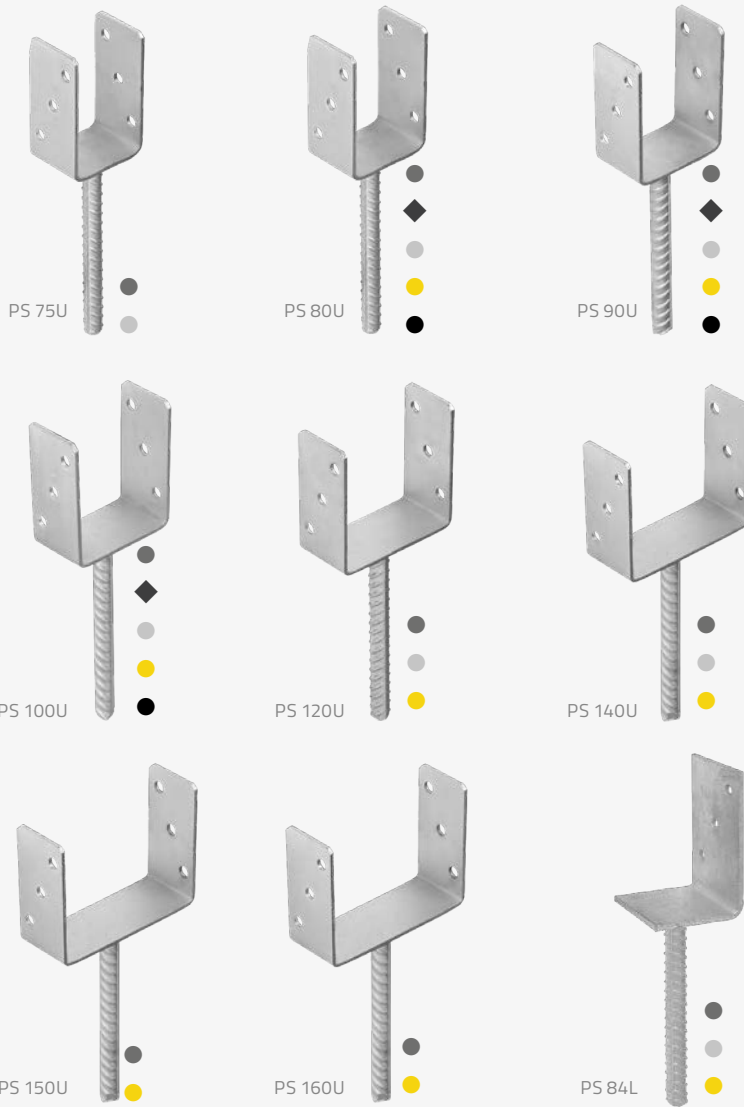


name	coat.	art no.	dimensions [mm]					holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	ø	ø11		
PS 60U	●	4801	61	60	124	ø16	324	4,0	6	876	6
	●	48015	61	60	124	ø16	324	4,0	6	876	6
	●	48016	61	60	124	ø16	324	4,0	6	876	6
PS 70U	●	4802	71	60	124	ø16	324	4,0	6	887	6
	◆	48023	71	60	124	ø16	324	4,0	6	887	6
	●	48025	71	60	124	ø16	324	4,0	6	887	6
	●	48026	71	60	124	ø16	324	4,0	6	887	6
PS 75U	●	48022	71	60	124	ø16	324	4,0	6	887	6
	●	480075	76	60	124	ø18	324	4,0	6	950	6
	●	4800755	76	60	124	ø18	324	4,0	6	950	6
PS 80U	●	4803	81	60	124	ø18	324	4,0	6	992	6
	◆	48033	81	60	124	ø18	324	4,0	6	992	6
	●	48035	81	60	124	ø18	324	4,0	6	992	6
	●	48036	81	60	124	ø18	324	4,0	6	992	6
PS 90U	●	48032	81	60	124	ø18	324	4,0	6	992	6
	●	4804	91	60	124	ø18	324	4,0	6	1012	6
	◆	48043	91	60	124	ø18	324	4,0	6	1012	6
	●	48045	91	60	124	ø18	324	4,0	6	1012	6
PS 100U	●	48046	91	60	124	ø18	324	4,0	6	1012	6
	●	48042	91	60	124	ø18	324	4,0	6	1012	6
	●	4805	101	60	124	ø18	324	4,0	6	1035	6
	◆	48055	101	60	124	ø18	324	4,0	6	1035	6
PS 120U	●	48055	101	60	124	ø18	324	4,0	6	1035	6
	●	48056	101	60	124	ø18	324	4,0	6	1035	6
	●	48052	101	60	124	ø18	324	4,0	6	1035	6
	●	4806	121	60	124	ø18	324	4,0	6	1072	6
PS 140U	●	48065	121	60	124	ø18	324	4,0	6	1072	6
	●	48066	121	60	124	ø18	324	4,0	6	1072	6
	●	4808	141	60	124	ø18	324	4,0	6	1107	6
PS 150U	●	48085	141	60	124	ø18	324	4,0	6	1107	6
	●	48086	141	60	124	ø18	324	4,0	6	1107	6
	●	480150	151	60	124	ø18	324	4,0	6	1092	6
PS 160U	●	4801506	151	60	124	ø18	324	4,0	6	1092	6
	●	480160	161	60	124	ø18	324	4,0	6	1112	6
PS 84L	●	4801606	161	60	124	ø18	324	4,0	6	1112	6
	●	4807	85	90	135	ø18	325	5,0	3	1154	6
	●	48075	85	90	135	ø18	325	5,0	3	1154	6
	●	48076	85	90	135	ø18	325	5,0	3	1154	6

- coating:
- hot dip zinc
  - ◆ powder coated, anthracite
  - silver galvanization
  - yellow galvanization
  - powder coated, black

## PS

### U-type post support

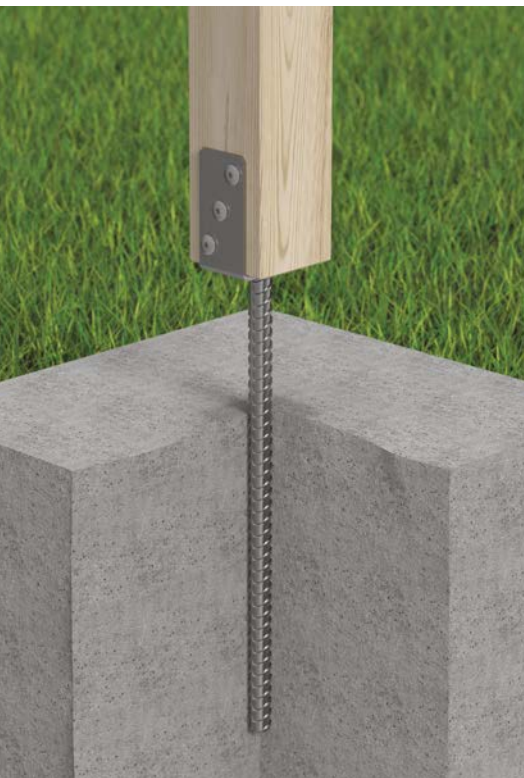


Loading capacity scheme PS 60–160U		Mounting scheme PS 60–160U				Loading capacity scheme PS 84L				Mounting scheme PS 84L			
Post support		PS 60U	PS 70U	PS 75U	PS 80U	PS 90U	PS 100U	PS 120U	PS 140U	PS 150U	PS 160U	PS 84L	
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	61,7	86,6	92,9	99,2	111,8	124,4	149,6	174,8	187,4	200	29,3	
	load-bearing capacity of steel $N_{Rd,V,s}$	51,7	51,7	57,3	57,3	57,3	57,3	57,3	57,3	57,3	57,3	57,3	
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	12,2	12,2	12,2	12,2	12,2	12,2	12,2	12,2	12,2	12,2	5,3	
	load-bearing capacity of steel $N_{Rd,H1,s}$	6,9	6,9	9,6	9,6	9,6	9,6	9,6	9,6	9,6	9,6	2,2	
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	4,7	4,4	12	7,7	6,8	7	9,1	7,8	25,7	28,3	12,2	
	load-bearing capacity of steel $N_{Rd,H2,s}$	4,7	4,4	1,2	7,7	6,8	7	9,1	7,8	1,2	1,2	1,8	
Certificate		ETA 14/0425	ETA 14/0425	ETA 20/1044	ETA 14/0425	ETA 14/0425	ETA 14/0425	ETA 14/0425	ETA 14/0425	ETA 20/1044	ETA 20/1044	ETA 15/0725	

*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

# PS 500

U-type  
post support  
(long bar)



**Application**

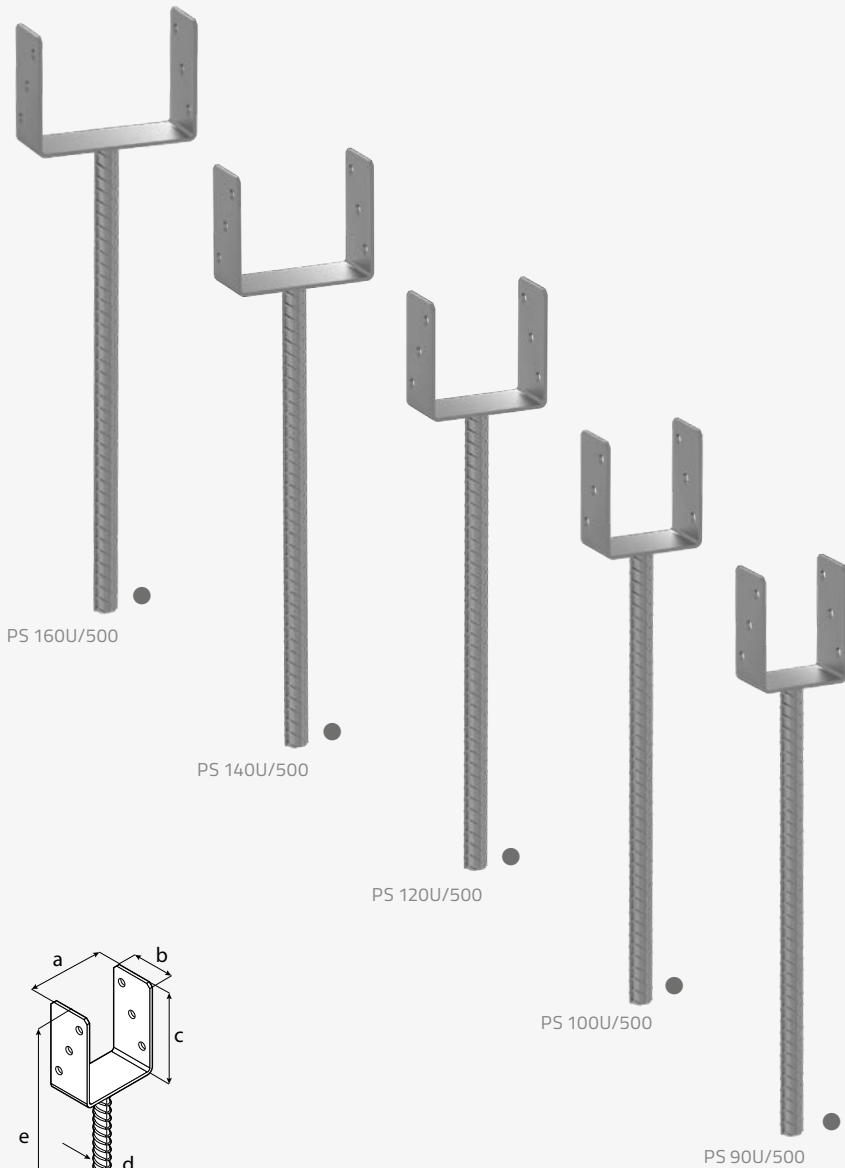
U-type post support designed for the installation of timber elements in concrete. The PS 500 composite support bar allows the underside of the beam to extend up to 150 mm in height above the concrete surface, ensuring adequate expansion of the timber from the substrate and high load-bearing capacity of the joint.

**Material**

S235 + B500B + hot dip zinc.

**Mounting**

Wood: wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ ; PNP set.



name	coat.	art no.	dimensions [mm]					holes [mm]	weight [g]	pack. [pcs]	
			a	b	c	d	e				
PS 90U/500	●	480901	91	60	124	$\varnothing 22$	624	4,0	6	2.002	1
PS 100U/500	●	480902	101	60	124	$\varnothing 22$	624	4,0	6	2.004	1
PS 120U/500	●	480903	121	60	124	$\varnothing 22$	624	4,0	6	2.008	1
PS 140U/500	●	480904	141	60	124	$\varnothing 22$	624	4,0	6	2.012	1
PS 160U/500	●	480905	161	60	124	$\varnothing 22$	624	4,0	6	2.016	1

**coating:**  
● hot dip zinc

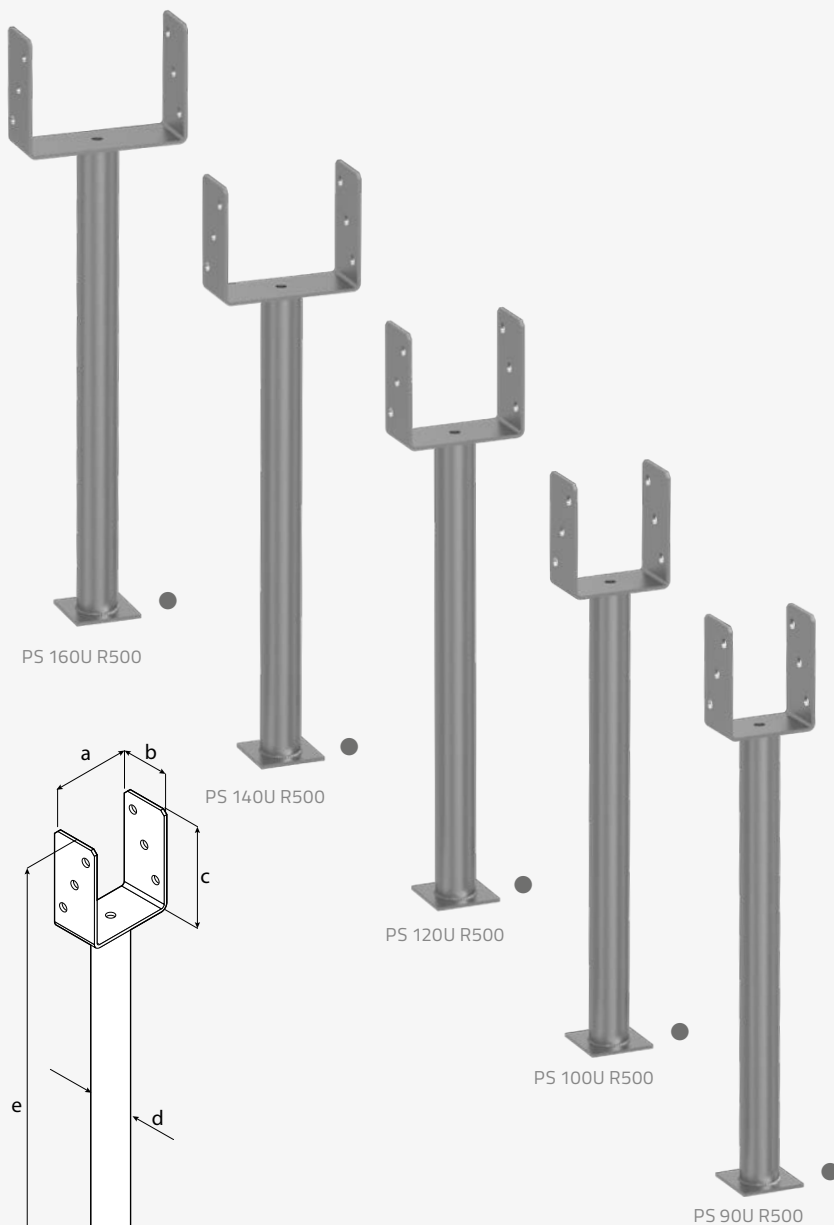
**Application** U-type post support designed for the installation of timber elements in concrete. The PS R500 composite support tube allows the underside of the beam to extend up to 250 mm in height above the concrete surface, ensuring maximum expansion of the timber from the substrate and a very high load-bearing capacity of the joint.

**Material** S235 + hot dip zinc.

**Mounting** Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; PNP set.

## PS R500

U-type  
post support  
(long tube)



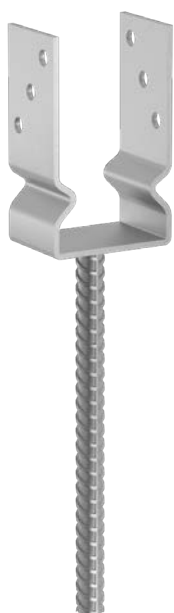
name	coat.	art no.	dimensions [mm]							holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	f	≠	$\phi 11$			
PS 90U R500	●	480906	91	60	124	$\phi 42,4$	628	70	4,0	6	1740	1	
PS 100U R500	●	480907	101	60	124	$\phi 42,4$	628	70	4,0	6	1760	1	
PS 120U R500	●	480908	121	60	124	$\phi 42,4$	628	70	4,0	6	1800	1	
PS 140U R500	●	480909	141	60	124	$\phi 42,4$	628	70	4,0	6	1830	1	
PS 160U R500	●	480910	161	60	124	$\phi 42,4$	628	70	4,0	6	1870	1	

**coating:**

● hot dip zinc

# PSZ

U-type  
post support



**Application**

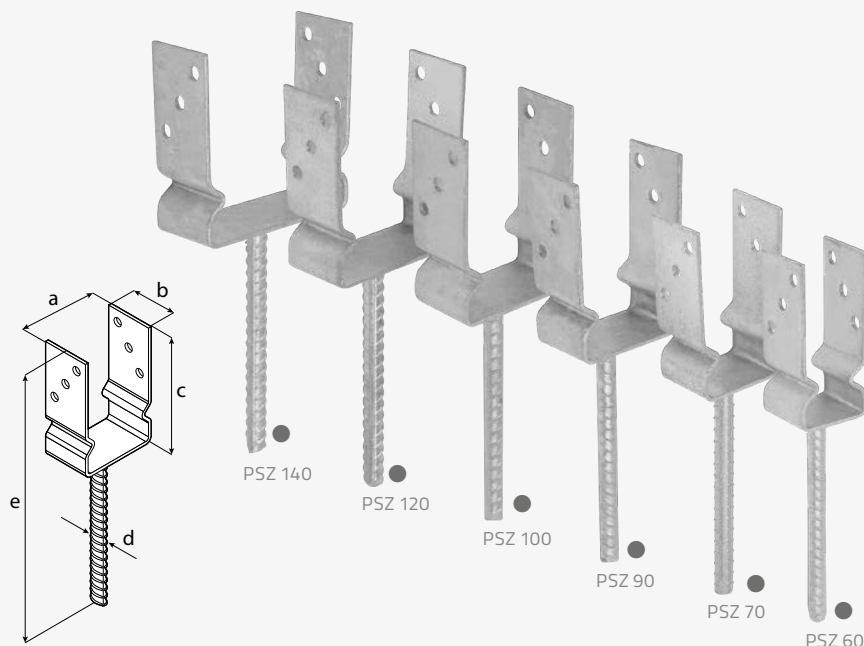
The support is designed to be fixed in concrete. The beam is supported on a reinforcement so that there is no direct contact with the ground, which ensures ventilation and longer life of the mounted post.

**Material**

S235 + hot dip zinc.

**Mounting**

Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; PNP set.



name	coat.	art no.	dimensions [mm]					holes [mm]	weight [g]	pack. [pcs]	
			a	b	c	d	e				
PSZ 60	●	4919060	61	60	150	$\phi 18$	350	4,0	6	1035	6
PSZ 70	●	4919070	71	60	150	$\phi 18$	350	4,0	6	1055	6
PSZ 90	●	4919090	91	60	150	$\phi 18$	350	4,0	6	1095	6
PSZ 100	●	4919100	101	60	150	$\phi 18$	350	4,0	6	1115	6
PSZ 120	●	4919120	121	60	150	$\phi 18$	350	4,0	6	1155	6
PSZ 140	●	4919140	141	60	150	$\phi 18$	350	4,0	6	1195	6

**coating:**

● hot dip zinc



Loading capacity scheme		Mounting scheme					
Post support		PSZ 60	PSZ 70	PSZ 90	PSZ 100	PSZ 120	PSZ 140
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	24,9	24,9	24,9	24,9	24,9	24,9
	load-bearing capacity of steel $N_{Rd,V,s}$	57,3	57,3	57,3	57,3	57,3	57,3
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	11,8	12,9	12,9	12,9	12,9	12,9
	load-bearing capacity of steel $N_{Rd,H1,s}$	7,7	7,7	7,7	7,7	7,7	7,7
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	6,5	8,2	12	14	18,4	23,2
	load-bearing capacity of steel $N_{Rd,H2,s}$	0,7	0,7	0,7	0,7	0,7	0,7
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

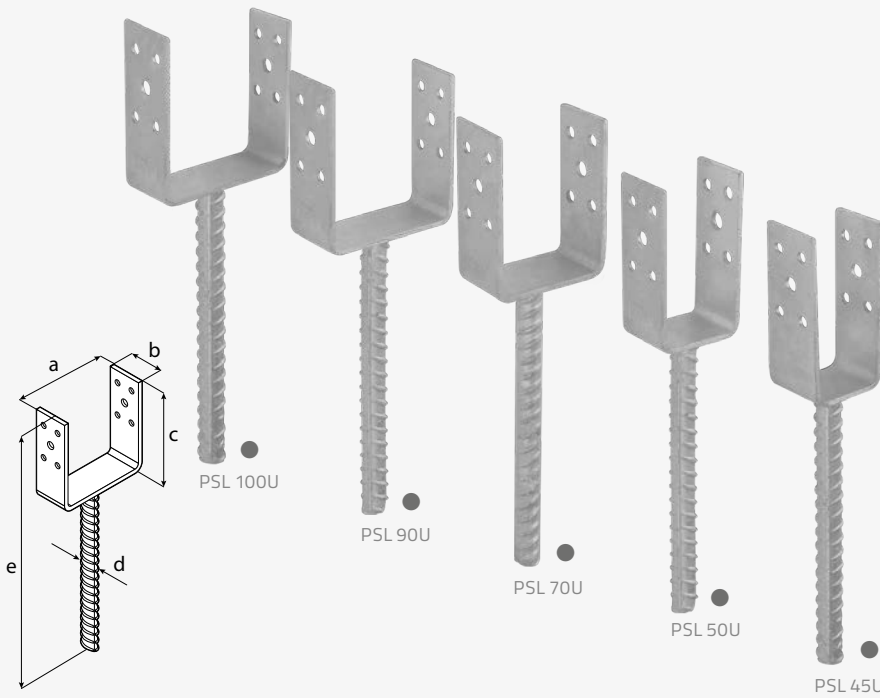
The forces are specified for a complete connection involving one connector.  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



**Application** The lightweight U-type post support facilitates mounting of wooden elements with concrete and ensures proper expansion joint between wood and the ground.

**Material** S235 + hot dip zinc.

**Mounting** Wood: wood screws  $\varnothing 6$ ; wood screws – CTO  $\varnothing 8$ .



name	coat.	art no.	dimensions [mm]						holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	≠	$\varnothing 7$	$\varnothing 9$		
PSL 45U	●	4909	46	40	100	$\varnothing 16$	305	4,0	8	2	627	6
PSL 50U	●	4910	51	40	100	$\varnothing 16$	305	4,0	8	2	627	6
PSL 70U	●	4913	71	40	100	$\varnothing 16$	305	4,0	8	2	656	6
PSL 90U	●	4916	91	40	100	$\varnothing 16$	305	4,0	8	2	670	6
PSL 100U	●	4918	101	40	100	$\varnothing 16$	305	4,0	8	2	695	6

**coating:**  
● hot dip zinc



## PSL

### U-type post support (light)



Loading capacity scheme		Mounting scheme				
Post support		PSL 45U	PSL 50U	PSL 70U	PSL 90U	PSL 100U
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	35,5	40,8	60,5	77,3	85,7
	load-bearing capacity of steel $N_{Rd,V,s}$	51,7	51,7	51,7	51,7	51,7
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	2,9	2,9	2,9	2,9	2,9
	load-bearing capacity of steel $N_{Rd,H1,s}$	1,6	2,4	2,4	2,4	2,4
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	3	5,6	8,2	11,2	11,2
	load-bearing capacity of steel $N_{Rd,H2,s}$	0,8	1,3	1,3	1,3	1,3
Certificate		ETA 20/1044	ETA 15/0725	ETA 15/0725	ETA 15/0725	ETA 15/0725

The forces are specified for a complete connection involving one connector.  
\* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
\*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
\*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



# PSS

## U-type post support (light)



**Application**

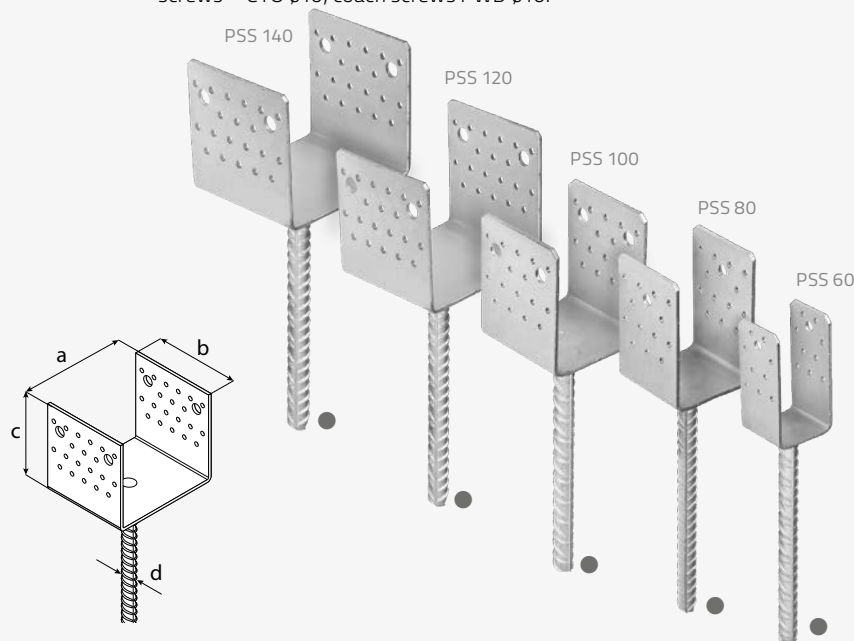
PSS post support is designed for the installation of timber elements with concrete. It provides adequate distance between the timber and the ground, and its design allows it to carry heavy loads. A thick hot-dip zinc coating protects against long-term moisture exposure. The coating of the concrete anchor can be painted with a decorative paint designed for electroplated surfaces.

**Material**

S235 + hot dip zinc.

**Mounting**

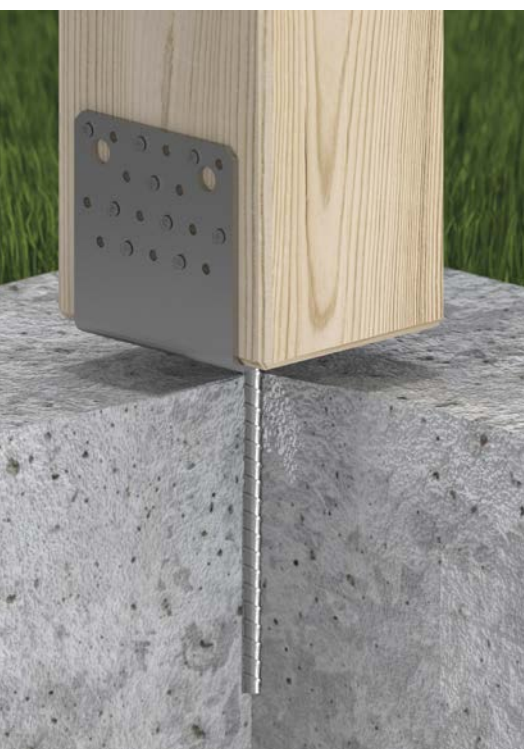
Wood: ANCHOR  $\phi 4$  ring-shank nails; ANW Torx20 socket screws; wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ .



name	coat.	art no.	dimensions [mm]					holes [mm]			weight [g]	pack. [pcs]
			a	b	c	d	≠	$\phi 6$	$\phi 11$	$\phi 14$		
PSS 60	●	4810	61	60	125	$\phi 16$	4,0	18	2	–	945	4
PSS 80	●	4811	81	80	125	$\phi 16$	4,0	26	2	–	1177	4
PSS 100	●	4812	101	100	125	$\phi 16$	4,0	32	–	4	1420	4
PSS 120	●	4813	121	120	125	$\phi 18$	4,0	40	–	4	1805	4
PSS 140	●	4814	141	120	125	$\phi 18$	4,0	40	–	4	1905	4

**coating:**

● hot dip zinc



Loading capacity scheme		Mounting scheme				
Post support		PSS 60	PSS 80	PSS 100	PSS 120	PSS 140
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	58	100,9	151,2	231,8	329,3
	load-bearing capacity of steel $N_{Rd,V,s}$	57,3	57,3	57,3	57,3	57,3
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	14,4	13	28,8	35,4	35,4
	load-bearing capacity of steel $N_{Rd,H1,s}$	7,7	7,7	7,7	7,7	7,7
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	6,5	10	23,4	23,4	23,4
	load-bearing capacity of steel $N_{Rd,H2,s}$	1,2	1,2	1,1	1,1	1,1
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

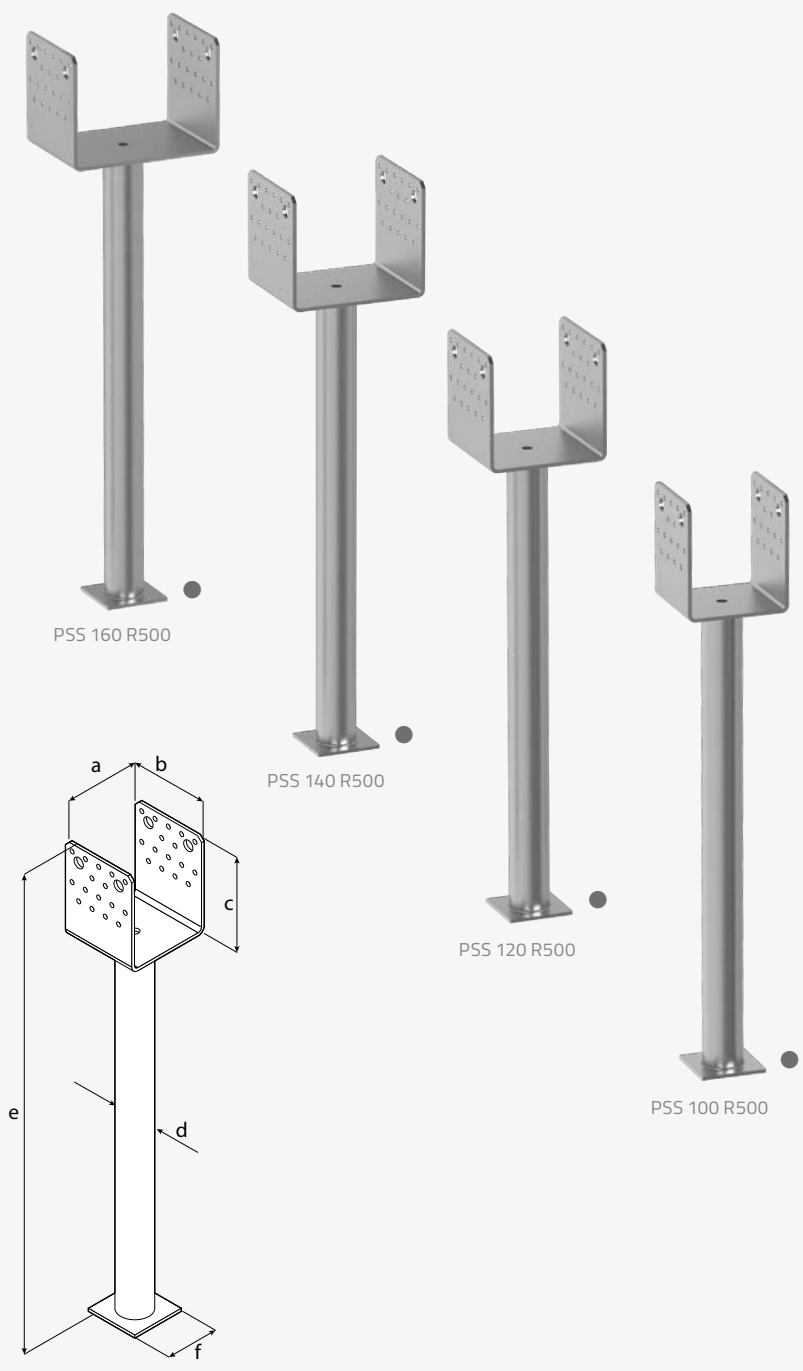
**Application** U-type post support designed for the installation of timber elements with concrete. The PSS R500 composite support tube allows the underside of the beam to extend up to 250 mm in height above the concrete surface, ensuring maximum expansion of the timber from the substrate and a very high load-bearing capacity of the joint.

**Material** S235 + hot dip zinc.

**Mounting** Wood: ANCHOR  $\varnothing 4$  ring-shank nails; ANW Torx20 socket screws; wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ .

## PSS R500

U-type post support (long tube)



name	coat.	art no.	dimensions [mm]							holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	f	≠	$\varnothing 6$	$\varnothing 14$		
PSS 100 R500	●	480971	101	100	125	$\varnothing 42,4$	629	70	4,0	32	4	2 160	1
PSS 120 R500	●	480972	121	120	125	$\varnothing 42,4$	629	70	4,0	40	4	2 450	1
PSS 140 R500	●	480973	141	120	125	$\varnothing 42,4$	629	70	4,0	40	4	2 520	1
PSS 160 R500	●	480974	161	120	125	$\varnothing 42,4$	629	70	4,0	40	4	2 600	1

**coating:**  
● hot dip zinc

# PSSZ

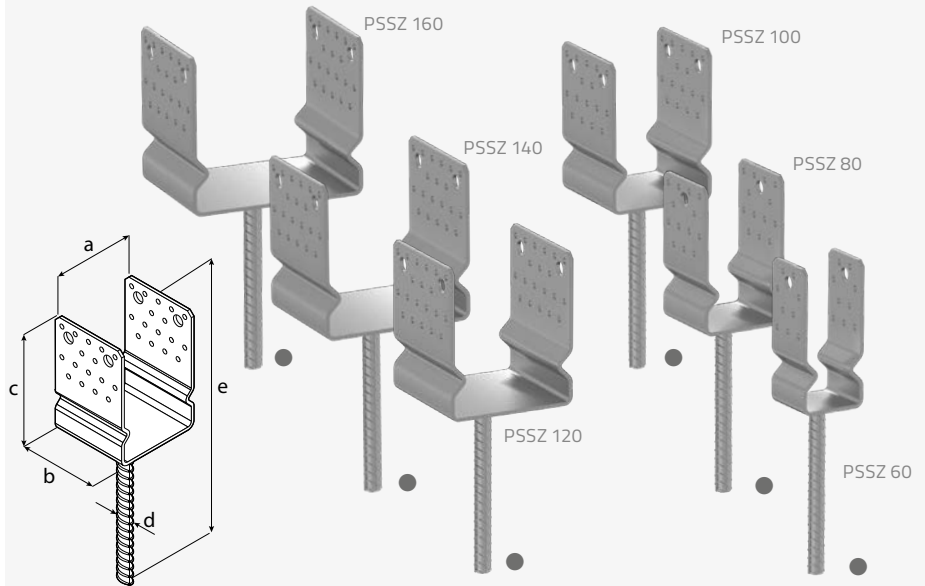
## U-type post support



**Application** The U-type post support allows installing timber elements with concrete. The fixed beam rests on a „saddle”, which prevents it from coming into direct contact with the ground, ensuring ventilation and a longer life for the post.

**Material** S235 + B500B + hot dip zinc.

**Mounting** Wood: ANCHOR  $\varnothing 4$  ring-shank nails; ANW Torx20 socket screws; wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ .



name	coat.	art no.	dimensions [mm]						holes[mm]			weight [g]	pack. [pcs]
			a	b	c	d	e	≠	$\varnothing 6$	$\varnothing 11$	$\varnothing 14$		
PSSZ 60	●	480981	61	60	150	$\varnothing 16$	350	4,0	18	2	-	1050	4
PSSZ 80	●	480982	81	80	150	$\varnothing 16$	350	4,0	26	2	-	1330	4
PSSZ 100	●	480983	101	100	150	$\varnothing 16$	350	4,0	32	-	4	1620	4
PSSZ 120	●	480984	121	120	150	$\varnothing 18$	350	4,0	40	-	4	1940	4
PSSZ 140	●	480985	141	120	150	$\varnothing 18$	350	4,0	40	-	4	2020	4
PSSZ 160	●	480986	161	120	150	$\varnothing 18$	350	4,0	40	-	4	2090	4

coating: ● hot dip zinc

# PSF

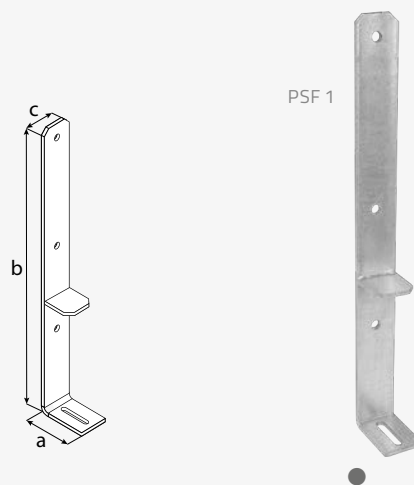
## Post support



**Application** F type post base designed for assembling wooden elements with concrete. It ensures proper expansion of the wood from the ground.

**Material** S235 + hot dip zinc.

**Mounting** Wood: wood screws – CTO  $\varnothing 10$ ; wood screws – PWD  $\varnothing 10$ ; PNP set.



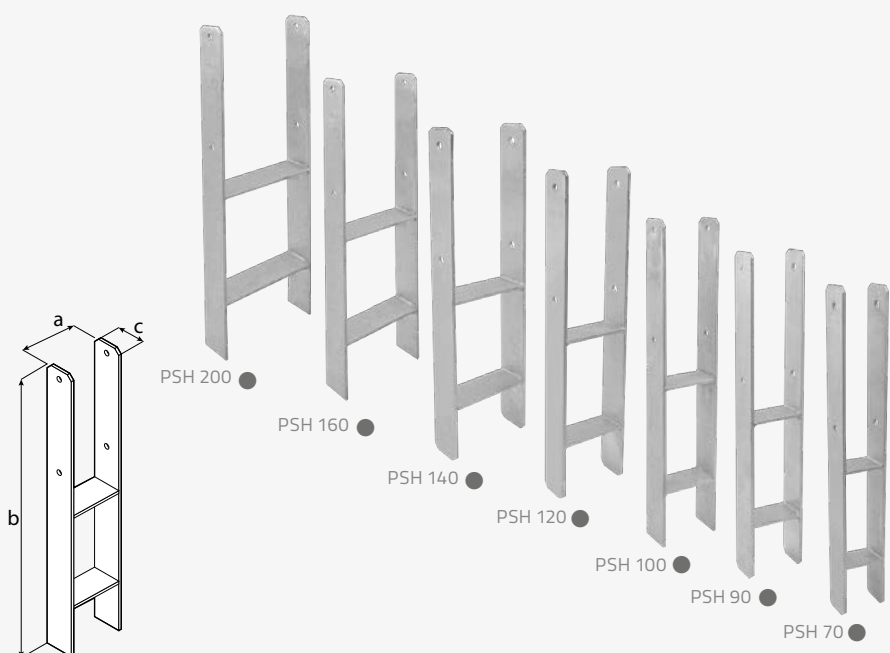
name	coat.	art no.	wymiar [mm]				otw[mm]		weight [g]	pack. [pcs]
			a	b	c	≠	$\varnothing 11$	11x14		
PSF 1	●	48691	79	500	50	6,0	3	1	3760	1

coating: ● hot dip zinc

**Application** H-shaped post support designed for the installation of timber elements with concrete. It ensures adequate expansion of the wood from the ground.

**Material** S235 + hot dip zinc.

**Mounting** Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; PNP set.



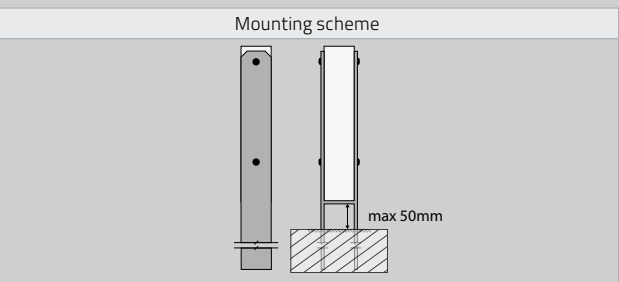
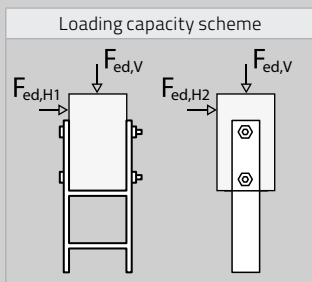
## PSH

### H-shaped post support



name	coat.	art no.	dimensions [mm]				holes[mm]		weight [g]	pack. [pcs]
			a	b	c	#	$\phi 11$			
PSH 70	●	4871	71	600	60	6,0	4	3 760	1	
PSH 90	●	4873	91	600	60	6,0	4	3 900	1	
PSH 100	●	4874	101	600	60	6,0	4	3 960	1	
PSH 120	●	4875	121	600	60	6,0	4	4 070	1	
PSH 140	●	4876	141	600	60	6,0	4	4 180	1	
PSH 160	●	4877	161	600	60	6,0	4	4 240	1	
PSH 200	●	4878	201	600	60	6,0	4	4 470	1	

**coating:**  
● hot dip zinc



Post support		PSH 70	PSH 80	PSH 90	PSH 100	PSH 120	PSH 140	PSH 160	PSH 200
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	88,2	100,8	113,4	126	151,2	176,4	201,6	252
	load-bearing capacity of steel $N_{Rd,V,s}$	169,2	169,2	169,2	169,2	169,2	169,2	169,2	169,2
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	3,16	3,16	3,16	3,16	3,16	3,16	3,16	3,16
	load-bearing capacity of steel $N_{Rd,H1,s}$	16,5	22,1	28,4	35,6	52,3	72,2	95,4	151,2
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	8,8	10	12	14	18,4	23,2	28,3	39,6
	load-bearing capacity of steel $N_{Rd,H2,s}$	8,3	8,3	8,3	8,3	8,3	8,3	8,3	8,3
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

The forces are specified for a complete connection involving one connector.  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

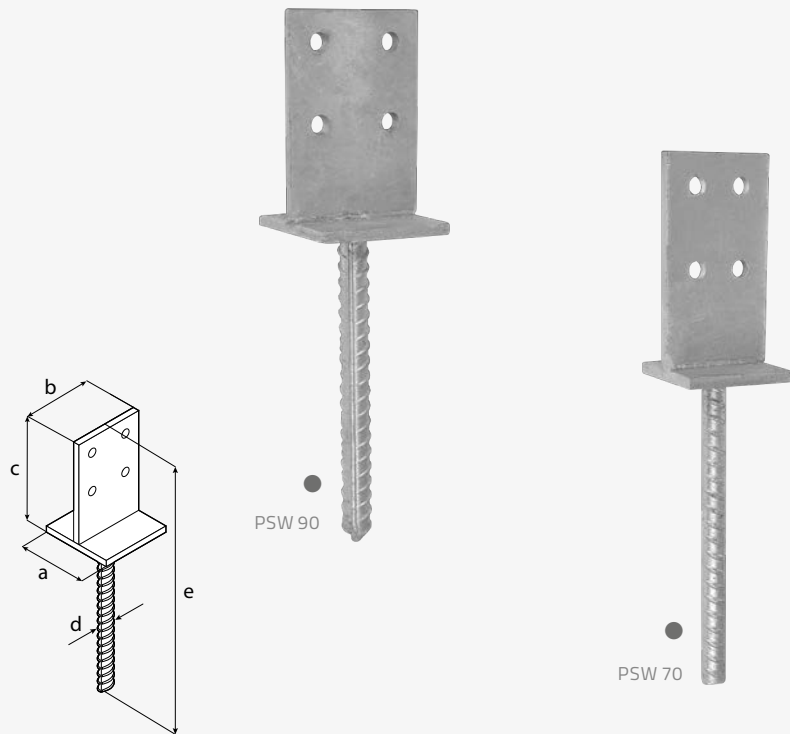


PSW

T-type post support

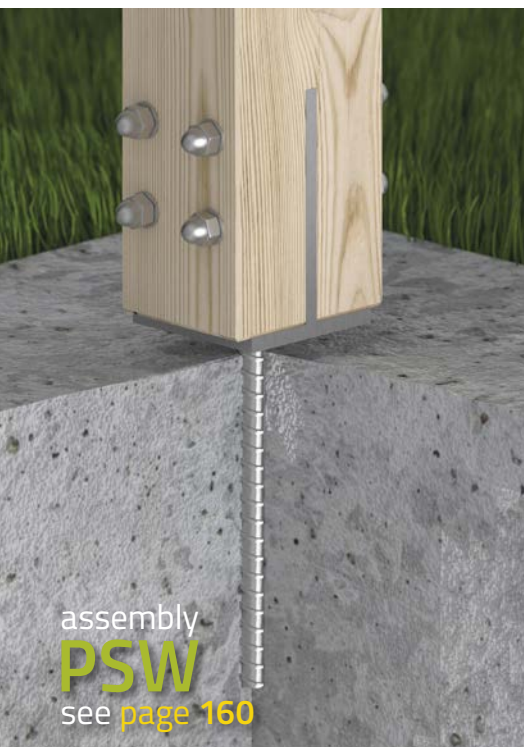


**Application** Recessed post support designed for the installation of timber elements with concrete.  
**Material** S235 + hot dip zinc.  
**Mounting** Wood: PNP set.



name	coat.	art no.	dimensions [mm]					#	holes [mm]	weight [g]	pack. [pcs]
			a	b	c	d	e				
PSW 70	●	4933	70	70	130	∅16	338	8,0	4	1 176	6
PSW 90	●	4934	90	90	130	∅18	338	8,0	4	1 627	6

**coating:**  
 ● hot dip zinc



Loading capacity scheme		Mounting scheme	
Post support		PSW 70	PSW 90
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	88,2	151,2
	load-bearing capacity of steel $N_{Rd,V,s}$	57,3	57,3
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	11,5	21,8
	load-bearing capacity of steel $N_{Rd,H1,s}$	7,7	7,7
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	13	22,4
	load-bearing capacity of steel $N_{Rd,H2,s}$	2,1	2,1
Certificate		ETA 20/1044	ETA 20/1044

The forces are specified for a complete connection involving one connector.  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

assembly  
**PSW**  
 see page 160

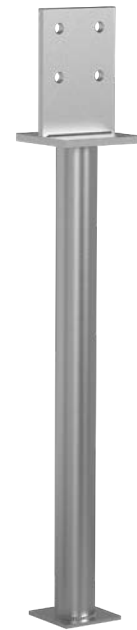
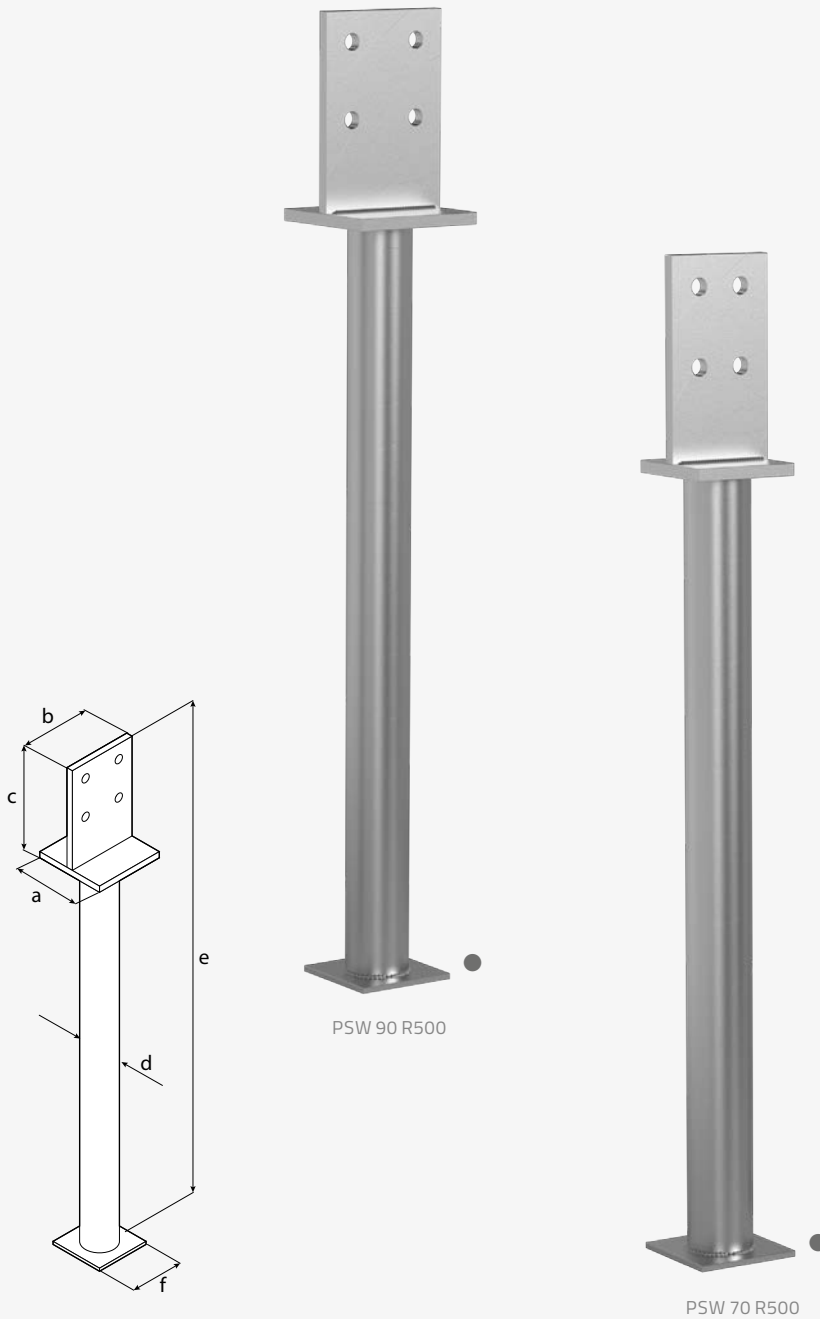
**Application** Post support designed for mounting wooden elements in concrete. The combined PSW R500 base pipe allows the bottom of the beam to be extended up to 250 mm above the concrete surface, ensuring maximum expansion of the wood from the ground and a very high load capacity of the connection.

**Material** S235 + hot dip zinc.

**Mounting** Wood: PNP set.

## PSW R500

Post support  
with long bar

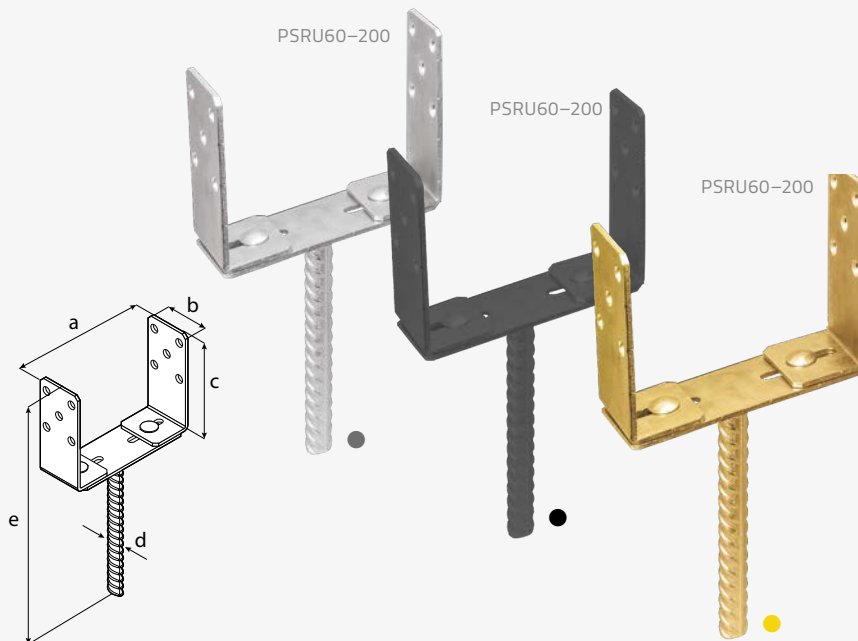
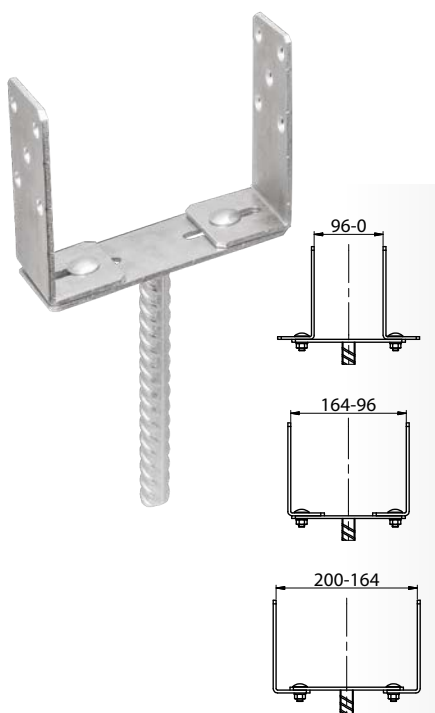


name	coat.	art no.	dimensions [mm]							holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	f	≠	ø11			
PSW 70 R500	●	493201	70	70	130	ø42,4	641	70	8,0	4	1990	1	
PSW 90 R500	●	493202	90	90	130	ø42,4	641	70	8,0	4	2350	1	

**coating:**  
● hot dip zinc

# PSRU

## Adjustable post support



name	coat.	art no.	dimensions [mm]					holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	≠	ø11		
PSRU 60-200	●	4885	0-200	60	136	ø18	336	4,0	10	1320	4
	●	48852	0-200	60	136	ø18	336	4,0	10	1320	4
	●	48856	0-200	60	136	ø18	336	4,0	10	1320	4

coating:  
 ● hot dip zinc  
 ● powder coated, black  
 ● yellow galvanization



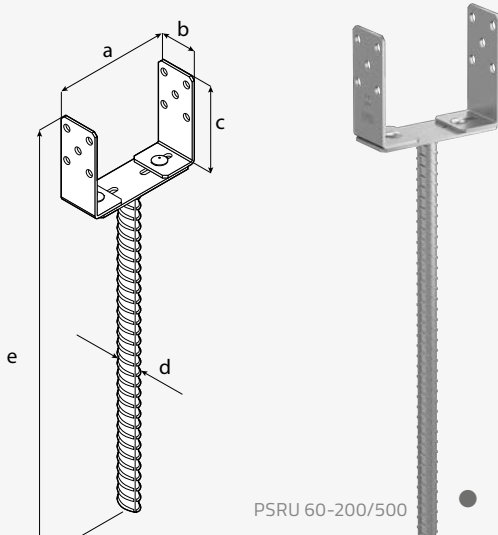
Loading capacity scheme		Mounting scheme			
Post support		PSRU 60-200			
Beam dimensions [mm]		60x120	70x120	80x120	90x120
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	75,6	88,2	100,8	113,4
	load-bearing capacity of steel $N_{Rd,V,s}$	57,3	57,3	57,3	57,3
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	13	15,2	17,4	19,5
	load-bearing capacity of steel $N_{Rd,H1,s}$	0,5	0,5	0,5	0,5
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	-	-	-	-
	load-bearing capacity of steel $N_{Rd,H2,s}$	-	-	-	-
Certificate		ETA 15/0725	ETA 15/0725	ETA 15/0725	ETA 15/0725

The forces are specified for a complete connection involving one connector.  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



**Application** Adjustable post support designed for the installation of timber elements with concrete. The PSRU 500 composite support bar allows the underside of the beam to extend up to 150 mm in height above the concrete surface, ensuring adequate expansion of the timber from the substrate and high load-bearing capacity of the joint. The adjustable design allows the use of non-standard sized beams up to 200 mm in cross-section.

**Material** S235 + B500B + hot dip zinc.  
**Mounting** Wood: wood screws – CTO  $\varnothing$ 10; coach screws PWD  $\varnothing$ 10; PNP set.



name	coat.	art no.	dimensions [mm]					holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	$\neq$	$\varnothing$ 11		
PSRU 60-200/500	●	488591	0-200	60	136	$\varnothing$ 22	634	4,0	10	2660	1

**coating:**  
 ● hot dip zinc

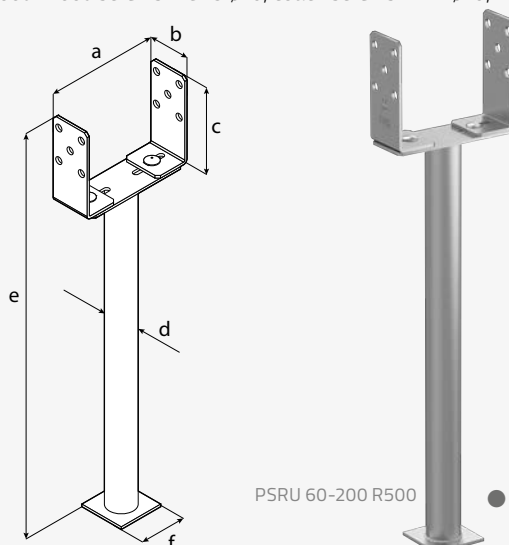
## PSRU 500

## R500

Adjustable post support on thick bar with a long tube

**Application** The PSRU R500 composite support tube allows the underside of the beam to extend up to 250 mm in height above the concrete surface, ensuring maximum expansion of the timber from the substrate and a very high load-bearing capacity of the joint. The adjustable design allows the use of non-standard sized beams up to 200 mm in cross-section.

**Material** S235 + hot dip zinc.  
**Mounting** Wood: wood screws – CTO  $\varnothing$ 10; coach screws PWD  $\varnothing$ 10; PNP set.



name	coat.	art no.	dimensions [mm]						holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	f	$\neq$	$\varnothing$ 11		
PSRU 60-200 R500	●	488592	0-200	60	136	$\varnothing$ 42,4	638	70	4,0	10	2750	1

**coating:**  
 ● hot dip zinc



# PPS

## Post support



**Application**

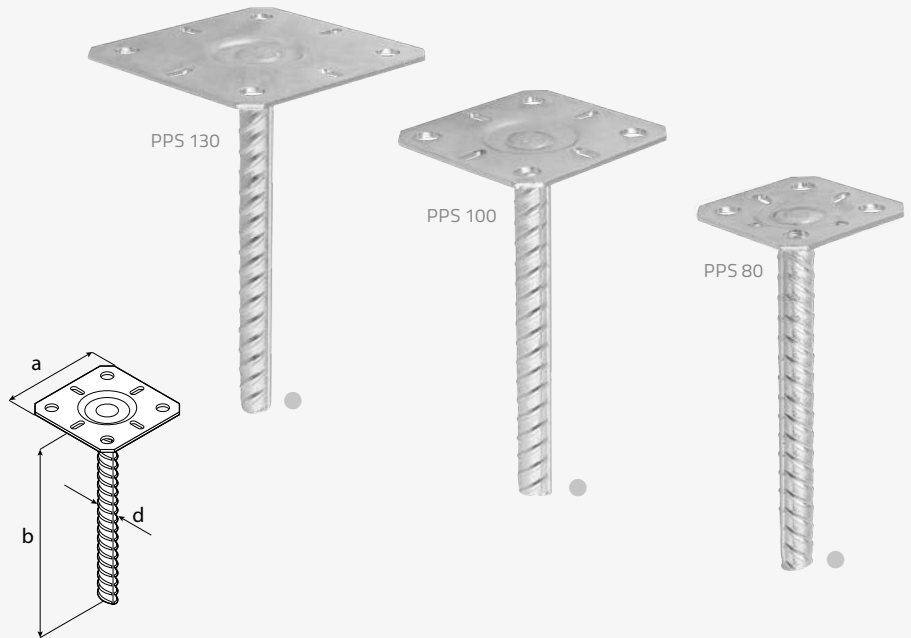
The support is used for the installation of timber elements with concrete, designed for vertical loads. It ensures adequate expansion of the wood from the substrate.

**Material**

S235 + silver galvanization.

**Mounting**

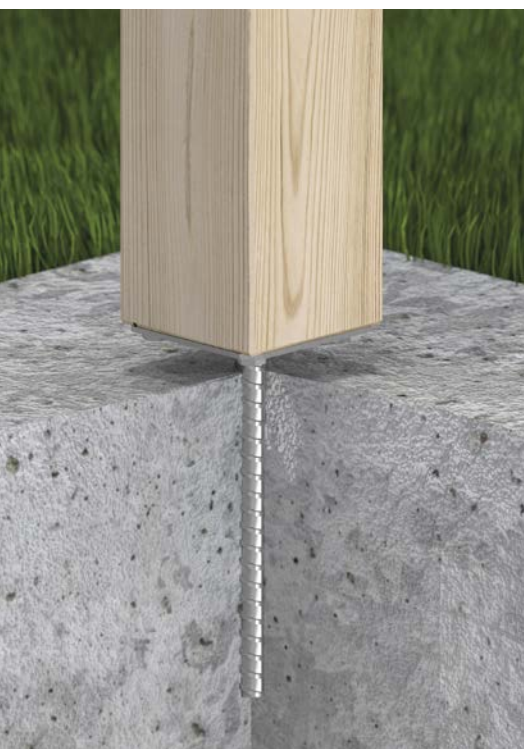
Wood: wood screws  $\phi 6$ ; wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ .



name	coat.	art no.	dimensions [mm]				holes [mm]			weight [g]	pack. [pcs]
			a	b	d	≠	$\phi 11$	$\phi 6/4$	$\phi 6/9$		
PPS 80	●	4884080	80	202	$\phi 18$	3,0	4	4	–	515	4
PPS 100	●	4884100	100	205	$\phi 18$	3,0	4	–	4	605	4
PPS 130	●	4884130	130	205	$\phi 18$	3,0	4	–	4	765	4

**coating:**

- silver galvanization



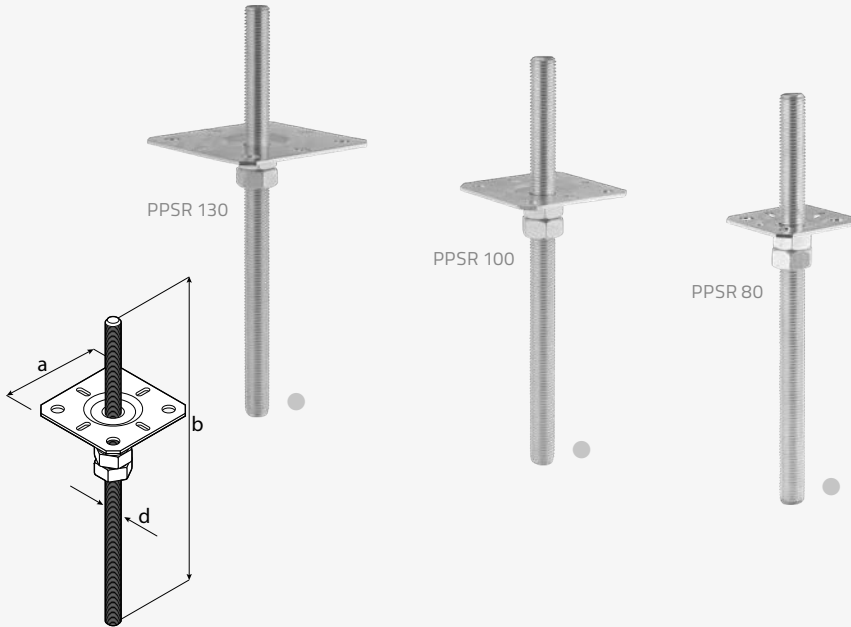
Loading capacity scheme		Mounting scheme		
Post support		PPS 80	PPS 100	PPS 130
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	57,3	57,3	57,3
	load-bearing capacity of steel $N_{Rd,V,s}$	57,3	57,3	57,3
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	–	–	–
	load-bearing capacity of steel $N_{Rd,H1,s}$	–	–	–
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	–	–	–
	load-bearing capacity of steel $N_{Rd,H2,s}$	–	–	–
Certificate		ETA 18/1165	ETA 18/1165	ETA 18/1165

*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

**Application** Post support with height adjustment for submerging in concrete and post assembly, designed for vertical loads only. The full thread allows vertical adjustment of the height of the post to be mounted.

**Material** S235 + silver galvanization.

**Mounting** Wood: wood screws  $\phi 6$ ; wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ .



name	coat.	art no.	dimensions [mm]				holes [mm]			weight [g]	pack. [pcs]
			a	b	d	$\neq$	$\phi 11$	$\phi 6/4$	$\phi 6/9$		
PPSR 80	●	4883080	80	330	M20	3,0	4	4	–	955	4
PPSR 100	●	4883100	100	330	M20	3,0	4	–	4	1045	4
PPSR 130	●	4883130	130	330	M20	3,0	4	–	4	1205	4

**coating:**  
● silver galvanization

## PPSR

Adjustable threaded post support



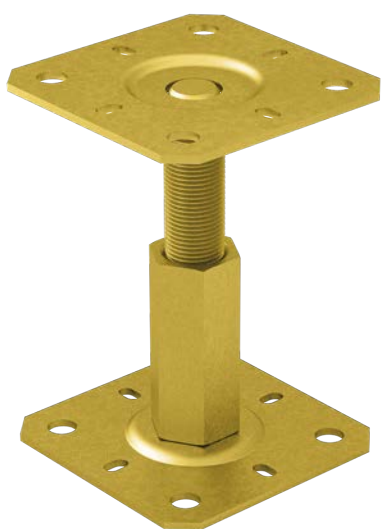
Loading capacity scheme		Mounting scheme		
Post support		PPSR 80	PPSR 100	PPSR 130
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,w}$	52,6	52,6	52,6
	load-bearing capacity of steel $N_{Rd,V,s}$	52,6	52,6	52,6
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	–	–	–
	load-bearing capacity of steel $N_{Rd,H1,s}$	–	–	–
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	–	–	–
	load-bearing capacity of steel $N_{Rd,H2,s}$	–	–	–
Certificate		ETA 18/1165	ETA 18/1165	ETA 18/1165

*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



# PR

Adjustable threaded post support



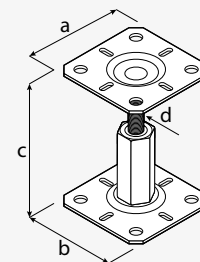
**Application** The support is used for fixing timber elements in the foundation, designed for vertical loads only. The adjustment allows determining the height of the assembled structure.

**Material** S235 + galvanization, silver or yellow; S235 + cataphoresis, black.

**Mounting** Wood: wood screws  $\phi 6$ ; wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .

name	coat.	art no.	dimensions [mm]					holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	$\neq$	$\phi 12$	$\phi 6/9$		
PR 100/100	●	4880100	100	100	100–150	M20	3,0	8	4	925	4
	●	48801006	100	100	100–150	M20	3,0	8	4	925	4
	●	48801001	100	100	100–150	M20	3,0	8	4	925	4
PR 100/130	●	4880113	100	130	100–150	M20	3,0	8	4	1085	4
	●	48801136	100	130	100–150	M20	3,0	8	4	1085	4
	●	48801131	100	130	100–150	M20	3,0	8	4	1085	4
PR 130/130	●	4880130	130	130	100–150	M20	3,0	8	4	1225	4
	●	48801306	130	130	100–150	M20	3,0	8	4	1225	4
	●	48801301	130	130	100–150	M20	3,0	8	4	1225	4

**coating:**  
 ● silver galvanization  
 ● yellow galvanization  
 ● cataphoresis



assembly  
**PR**  
 see page 159

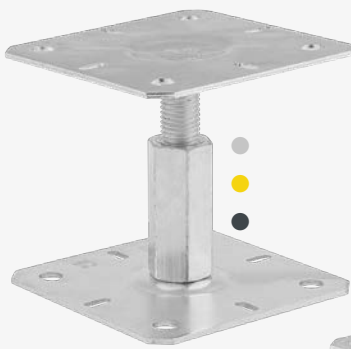


Loading capacity scheme		Mounting scheme		
Post support		PR 100 100–150	PR 100 130–150	PR 130 130–150
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	40,8	40,8	40,8
	load-bearing capacity of steel $N_{Rd,V,s}$	40,8	40,8	40,8
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	–	–	–
	load-bearing capacity of steel $N_{Rd,H1,s}$	–	–	–
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	–	–	–
	load-bearing capacity of steel $N_{Rd,H2,s}$	–	–	–
Certificate		ETA 18/1165	ETA 18/1165	ETA 18/1165

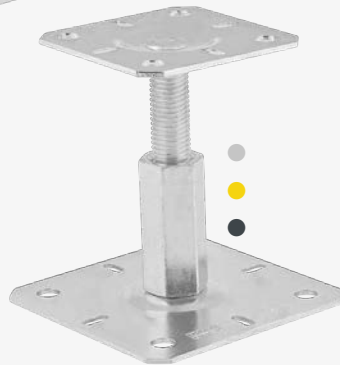
*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

## PR

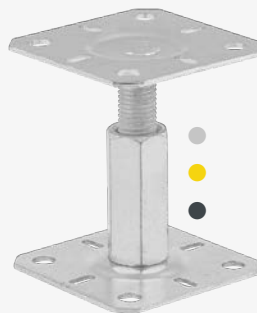
Adjustable  
threaded  
post support



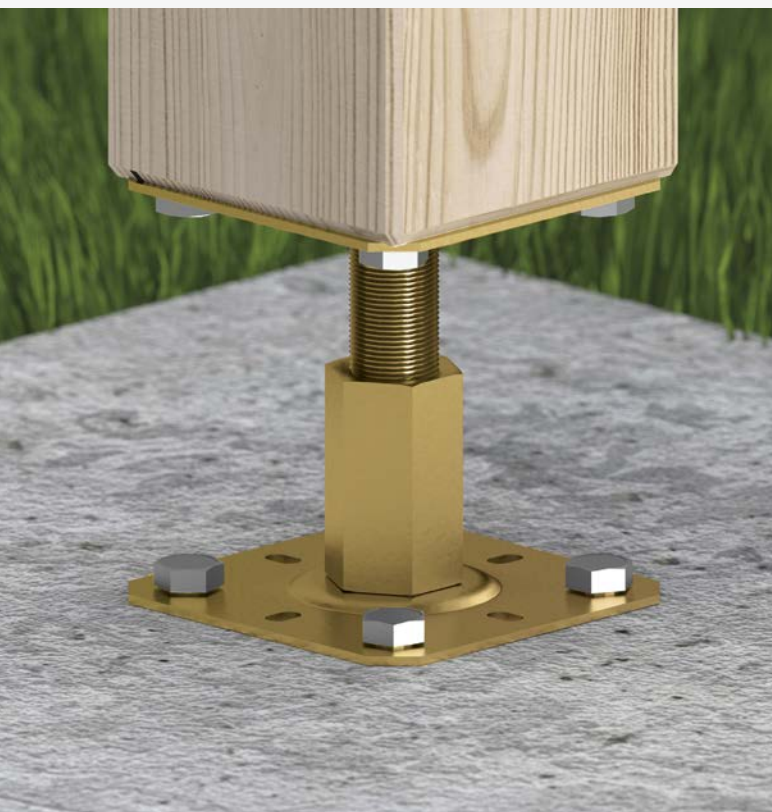
PR 130/130



PR 100/130

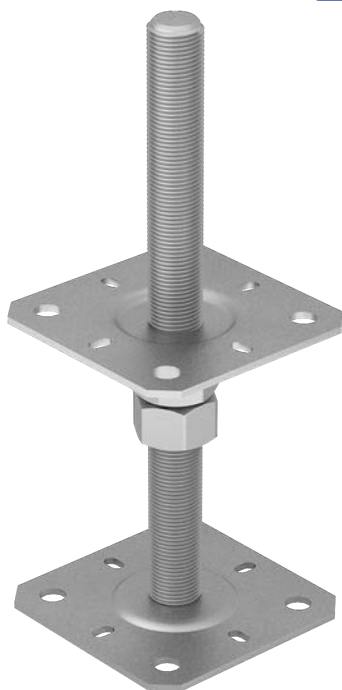


PR 100/100



# PSR

Adjustable threaded post support



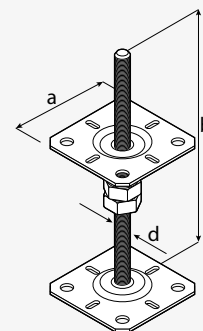
**Application** The support is used for fixing timber elements in the foundation, designed for vertical loads only. The adjustment allows determining the height of the assembled structure.

**Material** S235 + galvanization, silver; S235 + cataphoresis, black.

**Mounting** Wood: wood screws  $\phi 6$ ; wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .

name	coat.	art no.	dimensions [mm]				holes [mm]			weight [g]	pack. [pcs]
			a	b	d	$\neq$	$\phi 12$	$\phi 6/4$	$\phi 6/9$		
PSR 80 M20	●	4881080	80	250	M20	3,0	8	8	–	875	4
	●	48810801	80	250	M20	3,0	8	8	–	875	4
PSR 100 M20	●	4881100	100	250	M20	3,0	8	–	8	1055	4
	●	48811001	100	250	M20	3,0	8	–	8	1055	4
PSR 130 M20	●	4881130	130	250	M20	3,0	8	–	8	1375	4
	●	48811301	130	250	M20	3,0	8	–	8	1375	4
PSR 80 M24	●	4888	80	250	M24	4,0	8	8	–	1179	4
	●	48881	80	250	M24	4,0	8	8	–	1179	4
PSR 100 M24	●	4889	100	250	M24	4,0	8	–	8	1621	4
	●	48891	100	250	M24	4,0	8	–	8	1621	4
PSR 130 M24	●	4889130	130	250	M24	4,0	8	–	8	1975	4
	●	48891301	130	250	M24	4,0	8	–	8	1975	4

**coating:**  
 ● silver galvanization  
 ● cataphoresis



assembly  
**PSR**  
 see page 158

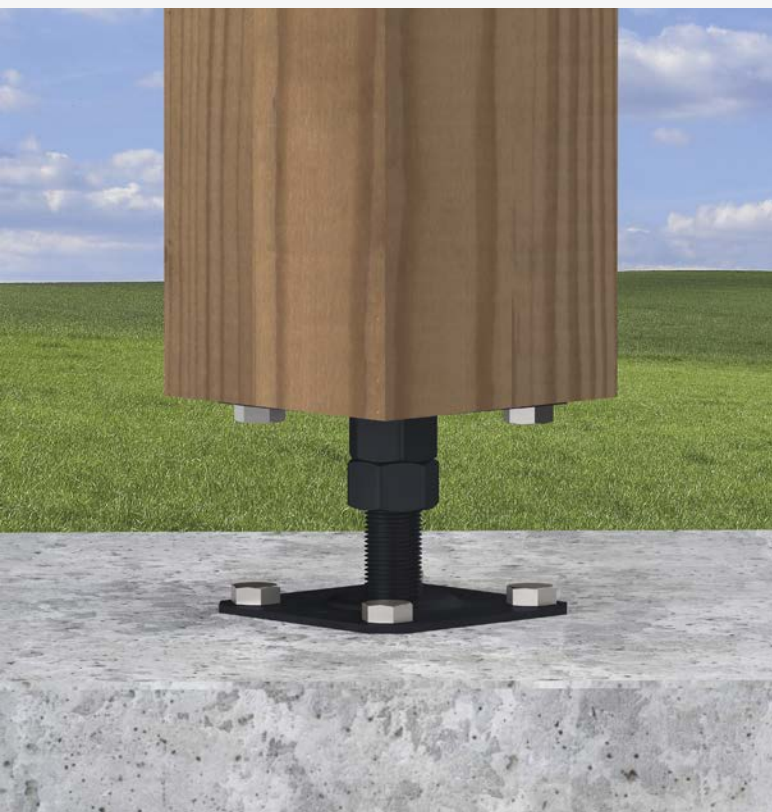
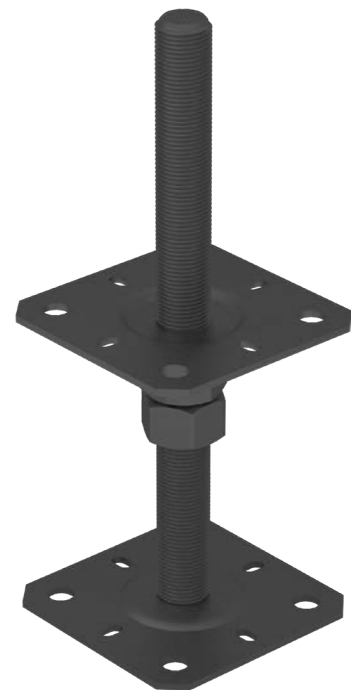


Loading capacity scheme		Mounting scheme					
Post support		PSR 80 M24	PSR 100 M24	PSR 130 M24	PSR 80 M20	PSR 100 M20	PSR 130 M20
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	49,3	49,3	49,3	40,8	40,8	40,8
	load-bearing capacity of steel $N_{Rd,V,s}$	49,3	49,3	49,3	40,8	40,8	40,8
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	–	–	–	–	–	–
	load-bearing capacity of steel $N_{Rd,H1,s}$	–	–	–	–	–	–
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	–	–	–	–	–	–
	load-bearing capacity of steel $N_{Rd,H2,s}$	–	–	–	–	–	–
Certificate		ETA 18/1165	ETA 18/1165	ETA 18/1165	ETA 18/1165	ETA 18/1165	ETA 18/1165

*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

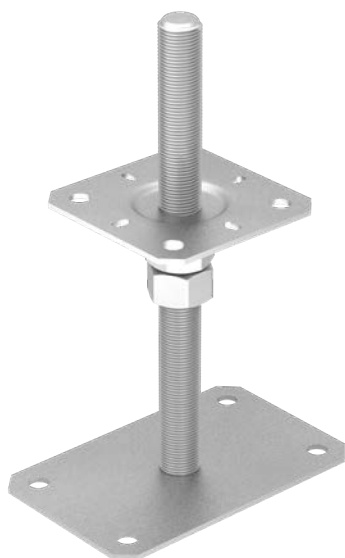
## PSR

Adjustable  
threaded  
post support



# PSRP

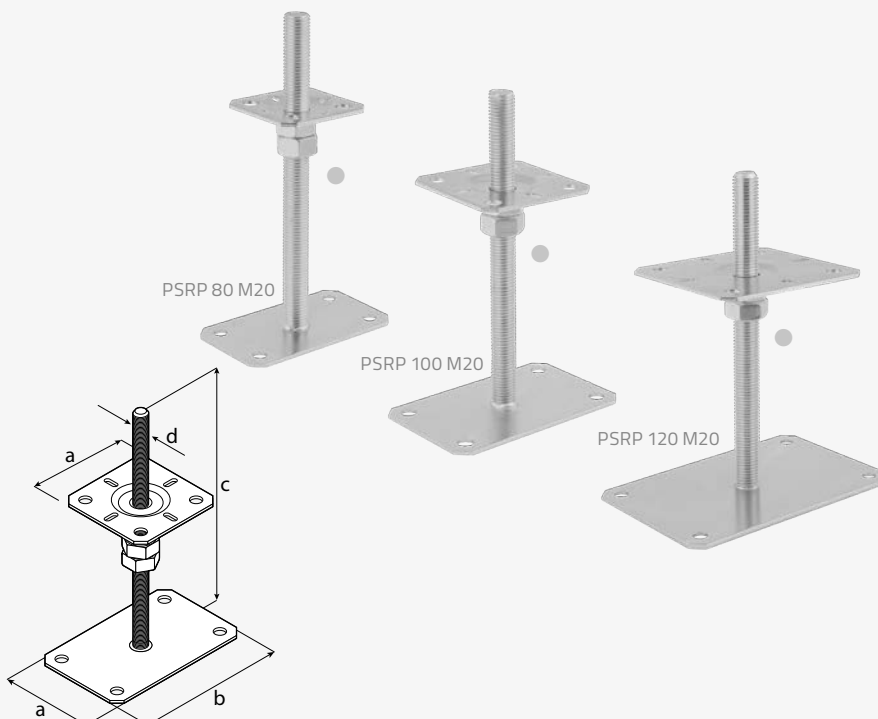
Adjustable threaded post support



**Application** Post support for mounting in hard ground, with individual adjustment of the distance between the post and the ground. For use under vertical loads.

**Material** S235 + silver galvanization.

**Mounting** Wood: wood screws  $\phi 6$ ; wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .



name	coat.	art no.	dimensions [mm]					holes [mm]			weight [g]	pack. [pcs]
			a	b	c	d	$\neq$	$\phi 12$	$\phi 6/4$	$\phi 6/9$		
PSRP 80 M20	●	4882080	80	140	250	M20	3,0	8	4	–	995	4
PSRP 100 M20	●	4882100	100	160	250	M20	3,0	8	–	4	1 195	4
PSRP 130 M20	●	4882130	130	200	250	M20	3,0	8	–	4	1 595	4

**coating:**  
● silver galvanization

assembly  
**PSRP**  
see page 153



Loading capacity scheme		Mounting scheme		
Post support		PSRP 80 M20	PSRP 100 M20	PSRP 130 M20
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	40,8	40,8	40,8
	load-bearing capacity of steel $N_{Rd,V,s}$	40,8	40,8	40,8
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	–	–	–
	load-bearing capacity of steel $N_{Rd,H1,s}$	–	–	–
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	–	–	–
	load-bearing capacity of steel $N_{Rd,H2,s}$	–	–	–
Certificate		ETA 18/1165	ETA 18/1165	ETA 18/1165

The forces are specified for a complete connection involving one connector.  
\* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
\*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
\*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



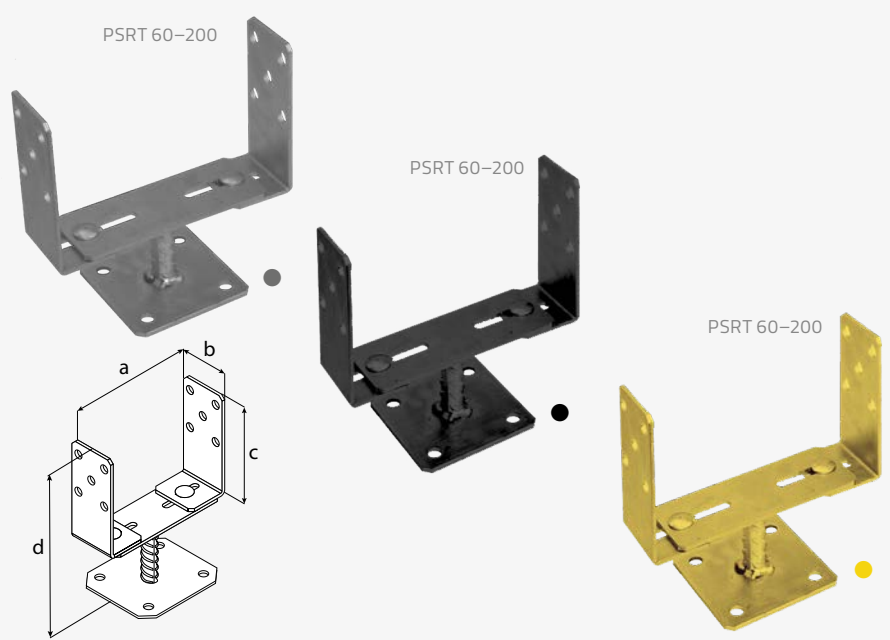
**Application** The post support used for mounting of wooden elements with concrete and ensures proper expansion joint between wood and the ground. Thanks to its design, it allows using beams with custom dimensions with a cross-section of up to 200 mm.

**Material** S235 + hot-dip zinc; S235 + yellow galvanization; S235 + powder coated, black.

**Mounting** Wood: wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ ; PNP set; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\varnothing 10,5$ .

## PSRT

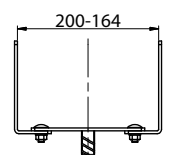
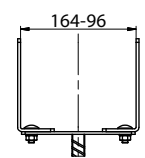
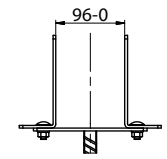
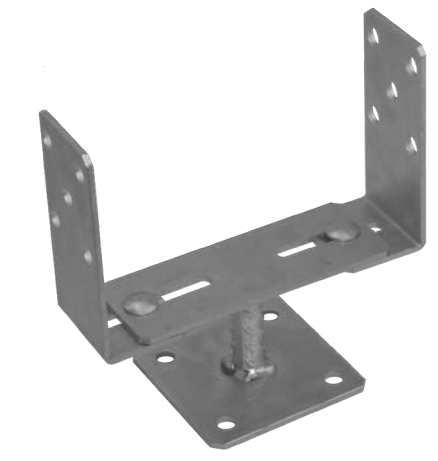
### Adjustable post support



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	≠	$\varnothing 12$		
PSRT 60-200	●	4886	0-200	60	135	204	4,0	14	1343	4
	●	48862	0-200	60	135	204	4,0	14	1343	4
	●	48866	0-200	60	135	204	4,0	14	1343	4

**coating:**

- hot-dip zinc
- powder coated, black
- yellow galvanization



Loading capacity scheme		Mounting scheme			
Post support		PSRT 60-200			
Beam dimensions		60×120	70×120	80×120	90×120
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	75,6	88,2	100,8	113,4
	load-bearing capacity of steel $N_{Rd,V,s}$	57,3	57,3	57,3	57,3
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	13	15,2	17,4	19,5
	load-bearing capacity of steel $N_{Rd,H1,s}$	0,5	0,5	0,5	0,5
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	-	-	-	-
	load-bearing capacity of steel $N_{Rd,H2,s}$	-	-	-	-
Certificate		ETA 15/0725	ETA 15/0725	ETA 15/0725	ETA 15/0725

*The forces are specified for a complete connection involving one connector.*

\* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.

\*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.

\*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

# PSP

Post support with rectangular base



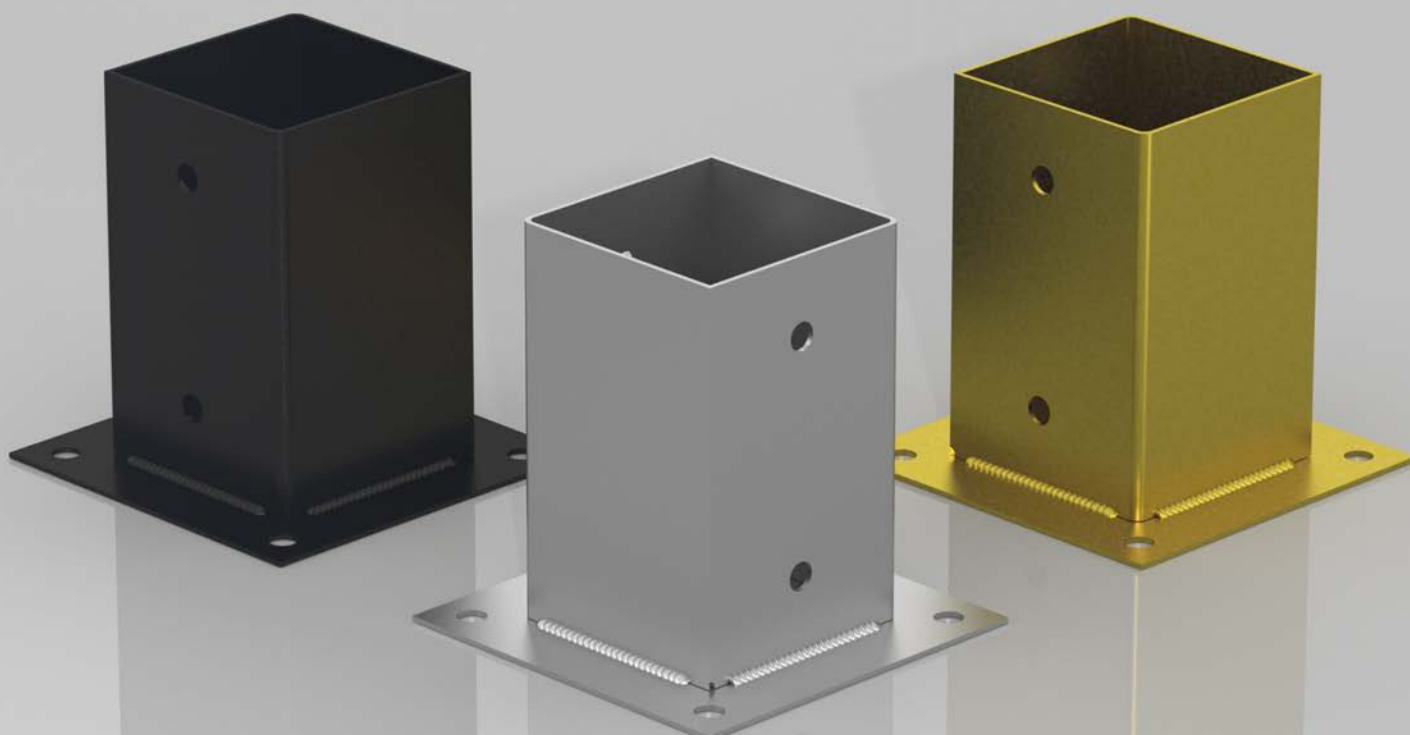
**Application** Post support designed for the installation of timber elements in concrete. It ensures adequate expansion of the wood from the substrate.

**Material** S235 + hot-dip zinc; S235 + yellow galvanization; S235 + powder coated, black.

**Mounting** Wood: wood screws – CTO  $\varnothing$ 10; coach screws PWD  $\varnothing$ 10; PNP set; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\varnothing$ 10,5.

name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [szt.]
			a	b	c	≠	$\varnothing$ 11	$\varnothing$ 12		
PSP 70	●	4841	71	150	150	1,8	4	8	856	12
	●	48412	71	150	150	1,8	4	8	856	1
	●	48416	71	150	150	1,8	4	8	856	1
PSP 90	●	4842	91	150	150	1,8	4	8	1050	10
	●	48422	91	150	150	1,8	4	8	1050	1
	●	48426	91	150	150	1,8	4	8	1050	1
PSP 100	●	4843	101	150	150	2,0	4	8	1182	10
	●	48436	101	150	150	2,0	4	8	1182	1
PSP 120	●	4846	121	150	180	2,0	4	7	1626	1
	●	48466	121	150	180	2,0	4	7	1626	1
PSP 140	●	4847140	141	150	220	2,5	4	9	2550	1
	●	48471406	141	150	220	2,5	4	9	2550	1
PSP 160	●	4847160	161	200	220	2,5	4	9	3420	1
	●	48471606	161	200	220	2,5	4	9	3420	1
PSP 200	●	4847200	201	200	260	2,5	4	9	4420	1
	●	48472006	201	200	260	2,5	4	9	4420	1

**coating:**  
 ● hot-dip zinc  
 ● yellow galvanization  
 ● powder coated, black



## PSP

Post support with rectangular base



PSP 200



PSP 160



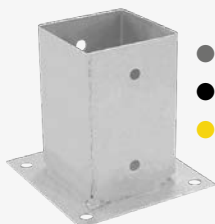
PSP 140



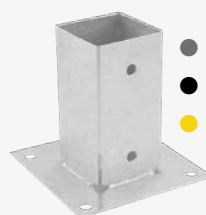
PSP 120



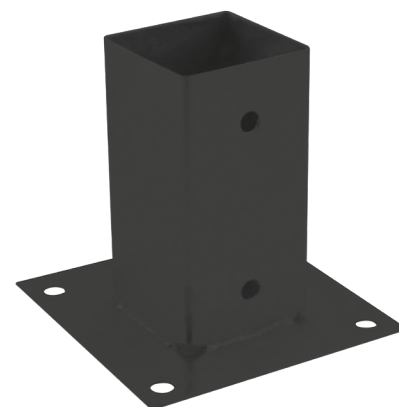
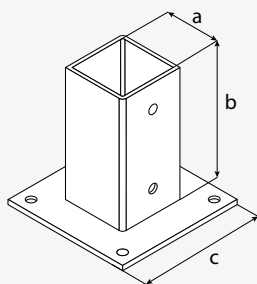
PSP 100



PSP 90



PSP 70



Loading capacity scheme		Mounting scheme						
Post support		PSP 70	PSP 90	PSP 100	PSP 120	PSP 140	PSP 160	PSP 200
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	13,4	13,4	14,1	14,1	15,1	15,1	15,1
	load-bearing capacity of steel $N_{Rd,V,s}$	21,6	21,6	28,8	28,8	–	–	–
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	11,4	14,6	16,3	19,5	22,8	34	42,5
	load-bearing capacity of steel $N_{Rd,H1,s}$	11,2	15,3	23,2	28,6	–	–	–
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	11,4	14,6	16,3	19,5	22,8	34	42,5
	load-bearing capacity of steel $N_{Rd,H2,s}$	11,2	15,3	23,2	28,6	–	–	–
Certificate		ETA 15/0725	ETA 15/0725	ETA 15/0725	ETA 15/0725	ETA 20/1044	ETA 20/1044	ETA 20/1044
<p><i>The forces are specified for a complete connection involving one connector.</i></p> <p>* Load capacity <math>N_{Rd,V}</math> [kN] – vertical force load, directed downwards.</p> <p>** Load capacity <math>N_{Rd,H1}</math> [kN] – horizontal force load parallel to the axis of the bolt.</p> <p>*** Load capacity <math>N_{Rd,H2}</math> [kN] – horizontal force load perpendicular to the axis of the bolt.</p>								



assembly  
**PSP**  
see page 161

# PSPD

## Post support



**Application** Support used for connecting square wooden posts in concrete. The fixing holes on the outside of the support ensure stability of the structure, while the deep cut-out sides allow the wood to be exposed more effectively.

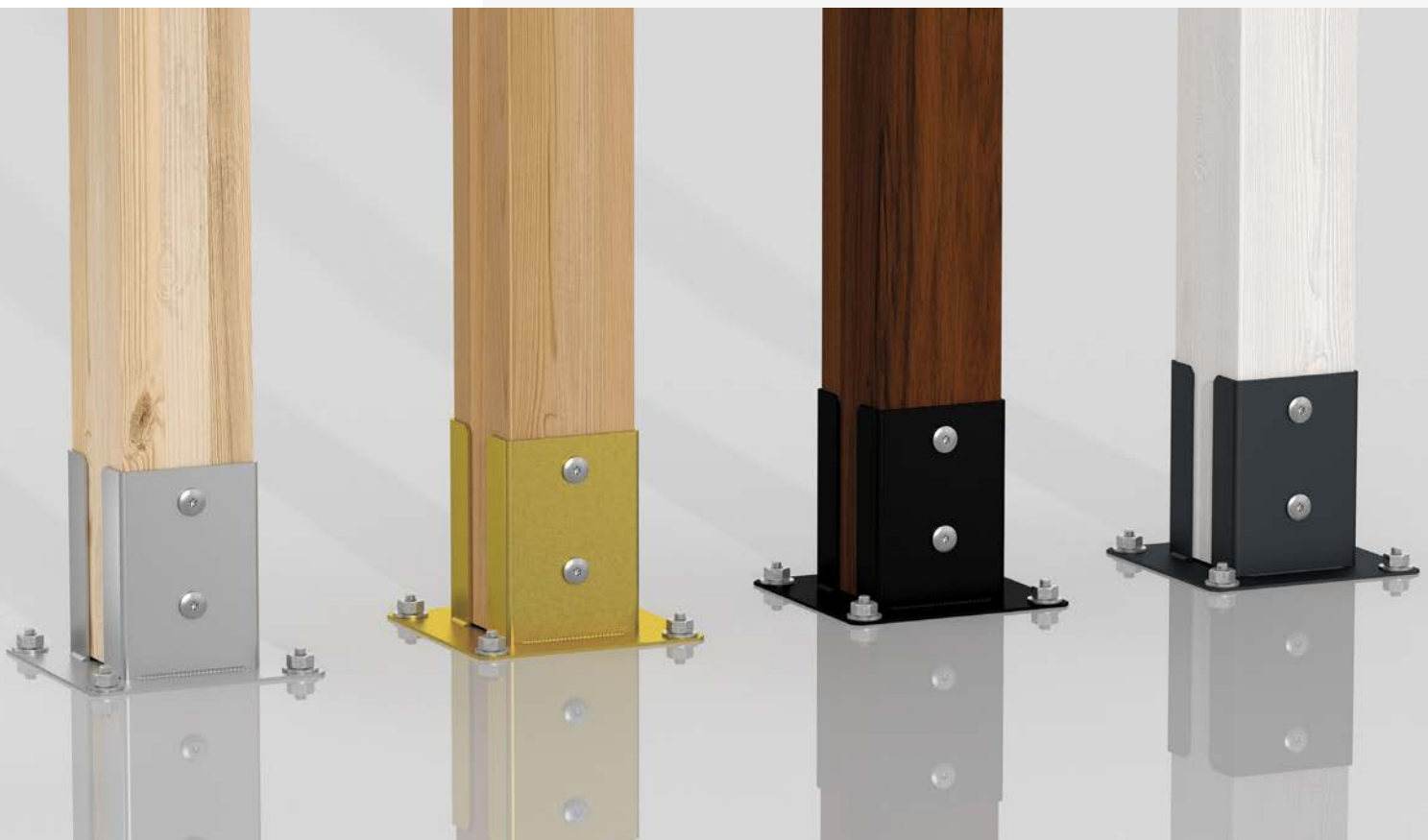
**Material** S235 + hot-dip zinc; S235 + yellow galvanization; S235 + powder coated, black or anthracite.

**Mounting** Wood: wood screws – CTO  $\varnothing$ 10; coach screws PWD  $\varnothing$ 10; PNP set; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\varnothing$ 10,5.

name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	≠	$\varnothing$ 11	$\varnothing$ 12		
PSPD 70	●	4849070	71	150	150	2,0	4	9	850	1
	●	48490702	71	150	150	2,0	4	9	850	1
	◆	48490703	71	150	150	2,0	4	9	850	1
	●	48490706	71	150	150	2,0	4	9	850	1
PSPD 90	●	4849090	91	150	150	2,0	4	9	950	1
	●	48490902	91	150	150	2,0	4	9	950	1
	◆	48490903	91	150	150	2,0	4	9	950	1
PSPD 100	●	4849100	101	150	180	2,5	4	9	1620	1
	●	48491002	101	150	180	2,5	4	9	1620	1
	◆	48491003	101	150	180	2,5	4	9	1620	1
	●	48491006	101	150	180	2,5	4	9	1620	1
PSPD 120	●	4849120	121	150	180	2,5	4	9	1730	1
	●	48491202	121	150	180	2,5	4	9	1730	1
	◆	48491203	121	150	180	2,5	4	9	1730	1
	●	48491206	121	150	180	2,5	4	9	1730	1
PSPD 140	●	4849140	142	200	220	3,0	4	9	3200	1
PSPD 150	●	4849150	152	200	220	3,0	4	9	3300	1
PSPD 160	●	4849160	162	200	220	3,0	4	9	3490	1
PSPD 200	●	4849200	202	200	260	3,0	4	9	4710	1

**coating:**

- hot-dip zinc
- powder coated, black
- ◆ powder coated, anthracite
- yellow galvanization



## PSPD

Post support



PSPD 200



PSPD 160



PSPD 150



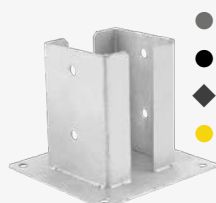
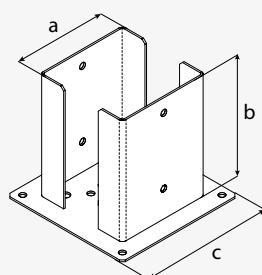
PSPD 140



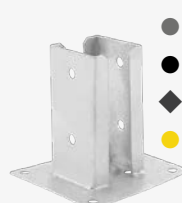
PSPD 120



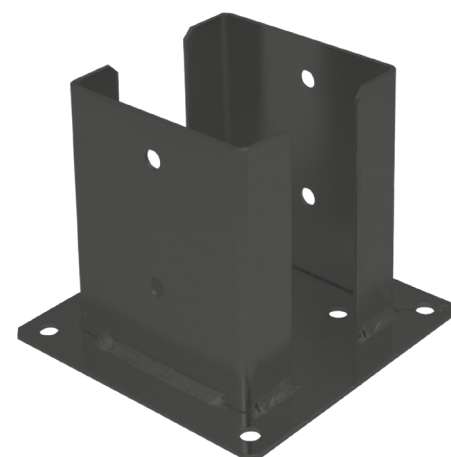
PSPD 100



PSPD 90



PSPD 70



assembly  
**PSPD**  
see page 161

Loading capacity scheme		Mounting scheme							
Post support		PSPD 70	PSPD 90	PSPD 100	PSPD 120	PSPD 140	PSPD 150	PSPD 160	PSPD 200
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	14,1	14,1	15,1	15,1	16	16	16	16
	load-bearing capacity of steel $N_{Rd,V,s}$	28,8	28,8	36	36	43,2	43,2	43,2	43,2
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	16,5	28,4	35,6	45,8	70,9	75,9	81	101,3
	load-bearing capacity of steel $N_{Rd,H1,s}$	5,7	5,7	12,4	12,4	18,4	18,4	22,9	29
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	11,8	11,8	12,7	12,7	13	13	13	13
	load-bearing capacity of steel $N_{Rd,H2,s}$	17,5	17,5	21,8	21,8	26,2	26,2	26,2	26,2
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

The forces are specified for a complete connection involving one connector.  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

PSD

Post support



**Application** Divided support used for connecting wooden posts in concrete. Using two PSD supports allows to place a rectangular post in these supports and to adapt them to the post's width. The use of a single PSD support allows the pole to be mounted at the wall.

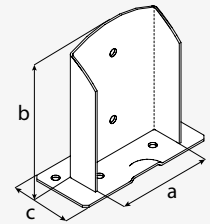
**Material** S235 + silver or yellow galvanization.

**Mounting** Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; PNP set; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .

name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	$\neq$	$\phi 11$	$\phi 12$		
PSD 90	●	4935090	91	150	71	2,0	2	4	488	1
	●	49350906	91	150	71	2,0	2	4	488	1
PSD 100	●	4935100	101	150	75	2,5	2	4	728	1
	●	49351006	101	150	75	2,5	2	4	728	1
PSD 120	●	4935120	121	150	85	2,5	2	4	836	1
	●	49351206	121	150	85	2,5	2	4	836	1
PSD 140	●	4935140	141	200	90	2,5	2	4	1441	1
	●	49351406	141	200	90	2,5	2	4	1441	1
PSD 160	●	4935160	161	200	100	3,0	2	4	1756	1
	●	49351606	161	200	100	3,0	2	4	1756	1
PSD 200	●	4935200	201	200	120	3,0	2	4	2318	1
	●	49352006	201	200	120	3,0	2	4	2318	1

**coating:**

- silver galvanization
- yellow galvanization

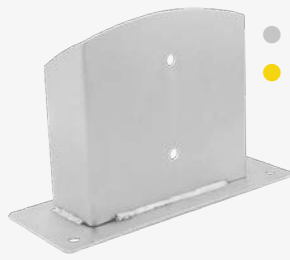


Loading capacity scheme		Mounting scheme					
Post support		PSD 90	PSD 100	PSD 120	PSD 140	PSD 160	PSD 200
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	14,1	14,1	15,1	15,1	16	16
	load-bearing capacity of steel $N_{Rd,V,s}$	28,8	28,8	36	36	43,2	43,2
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	16,5	28,4	35,6	45,8	70,9	75,9
	load-bearing capacity of steel $N_{Rd,H1,s}$	5,7	5,7	12,4	12,4	18,4	18,4
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	11,8	11,8	12,7	12,7	13	13
	load-bearing capacity of steel $N_{Rd,H2,s}$	17,5	17,5	21,8	21,8	26,2	26,2
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

## PSD

Post support



PSD 200



PSD 160



PSD 140



PSD 120



PSD 100



PSD 90



# PSP DX

## Post support open

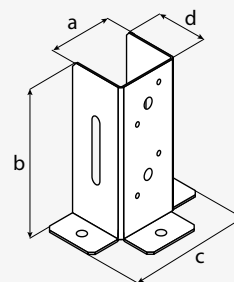


**Application** Post support used for the installation of timber elements with concrete. It ensures adequate expansion of the wood from the substrate. Using two PSP DX supports allows placing a rectangular post in these supports and to adapt them to the post's width. The use of a single PSP DX support allows the pole to be mounted at the wall.

**Material** DX51D + Z275.  
**Mounting** Wood: ANCHOR ring nails  $\phi 4$ ; ANW Torx20 socket screws; wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .

name	coat.	art no.	dimensions [mm]					holes [mm]						weight [g]	pack. [pcs]	
			a	b	c	d	$\neq$	$\phi 5$	$\phi 7$	$\phi 11$	$\phi 12$	$\phi 7/33$	$\phi 11/49$			$\phi 11/56$
PSP DX 45	●	4851	46	102	102	41	1,5	-	2	-	3	2	-	-	173	10
PSP DX 70	●	4852	71	152	151	66	2,0	4	-	2	3	-	-	2	553	10
PSP DX 90	●	4853	91	152	171	86	2,0	4	-	2	3	-	-	2	727	10
PSP DX 100	●	4854	101	152	181	89	2,0	4	-	2	3	-	2	-	783	10
PSP DX 120	●	4855	121	152	201	105	2,0	4	-	2	3	-	2	-	938	10
PSP DX 140	●	4856	141	152	221	105	2,5	4	-	2	4	-	2	-	938	10
PSP DX 150	●	4857	151	152	231	105	2,5	4	-	2	4	-	2	-	938	10

**coating:**  
 ● DX51D + Z275MAC



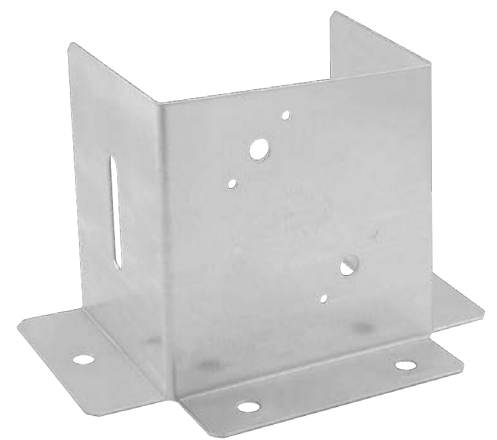
Loading capacity scheme		Mounting scheme						
Post support		PSP DX 45	PSP DX 70	PSP DX 90	PSP DX 100	PSP DX 120	PSP DX 140	PSP DX 150
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	4,7	7,1	7,1	7,1	7,1	7,1	7,6
	load-bearing capacity of steel $N_{Rd,V,s}$	7,6	14,4	14,4	14,4	14,4	14,4	18
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	6,1	16,5	28,4	35,5	42,6	49,6	64,5
	load-bearing capacity of steel $N_{Rd,H1,s}$	0,5	0,7	0,9	1	1,2	1,5	1,6
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	3,1	4,8	5,9	5,9	5,9	5,9	6,4
	load-bearing capacity of steel $N_{Rd,H2,s}$	6,9	13,1	13,1	13,1	13,1	13,1	16,4
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

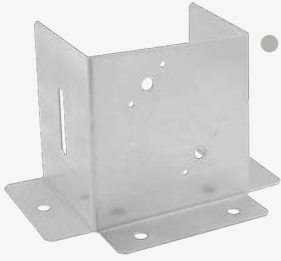


## PSP DX

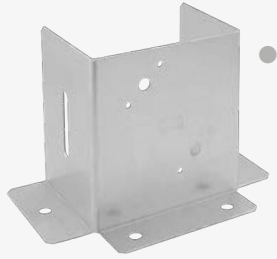
Post support open



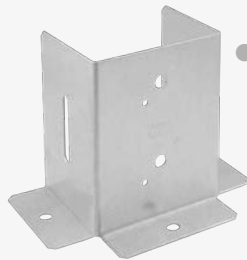
PSP DX 150



PSP DX 140



PSP DX 120



PSP DX 100



PSP DX 90



PSP DX 70



PSP DX 45



# PSPW

## Post support



**Application** Support used for connecting square wooden posts with concrete. Unlike other supports, the PSPW has fixings positioned within the post's clearance, rather than outside it, which enhances the product's aesthetic appeal.

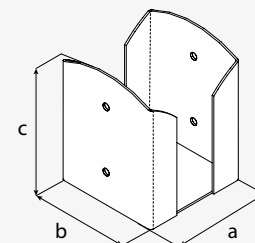
**Material** S235 + galvanization, yellow or silver; S235 + powder coated, black or anthracite.

**Mounting** Wood: wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ ; PNP set; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\varnothing 10,5$ .

name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	≠	$\varnothing 11$	$\varnothing 12$		
PSPW 90	●	4848090	92	92	150	2,0	4	5	703	1
	●	48480902	92	92	150	2,0	4	5	703	1
	◆	48480903	92	92	150	2,0	4	5	703	1
	●	48480906	92	92	150	2,0	4	5	703	1
PSPW 100	●	4848100	102	102	150	2,5	4	5	1132	1
	●	48481002	102	102	150	2,5	4	5	1132	1
	◆	48481003	102	102	150	2,5	4	5	1132	1
	●	48481006	102	102	150	2,5	4	5	1132	1
PSPW 120	●	4848120	122	122	150	2,5	4	5	1328	1
	●	48481202	122	122	150	2,5	4	5	1328	1
	◆	48481203	122	122	150	2,5	4	5	1328	1
	●	48481206	122	122	150	2,5	4	5	1328	1
PSPW 140	●	4848140	142	142	200	3,0	4	5	2466	1
PSPW 150	●	4848150	152	152	200	3,0	4	5	2624	1
PSPW 160	●	4848160	162	162	200	3,0	4	5	2956	1
PSPW 200	●	4848200	202	202	200	3,0	4	5	3905	1

**coating:**

- silver galvanization
- powder coated, black
- ◆ powder coated, anthracite
- yellow galvanization



Loading capacity scheme		Mounting scheme						
Post support		PSPW 90	PSPW 100	PSPW 120	PSPW 140	PSPW 150	PSPW 160	PSPW 200
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	14,1	15,1	15,1	16	16	16	16
	load-bearing capacity of steel $N_{Rd,V,s}$	28,8	36	36	43,2	43,2	43,2	43,2
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	28,4	35,6	42,9	67,6	72,4	77,2	96,5
	load-bearing capacity of steel $N_{Rd,H1,s}$	5,7	12,6	12,6	18	18	22,9	29
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	11,8	12,7	12,7	13	13	13	13
	load-bearing capacity of steel $N_{Rd,H2,s}$	17,5	21,8	21,8	34,6	34,6	34,6	34,6
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

The forces are specified for a complete connection involving one connector.

\* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.

\*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.

\*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

## PSPW

Post support



PSPW 200



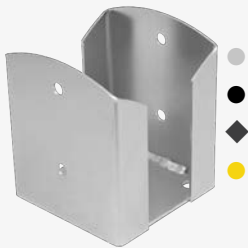
PSPW 160



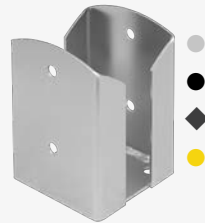
PSPW 150



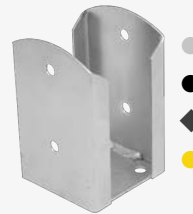
PSPW 140



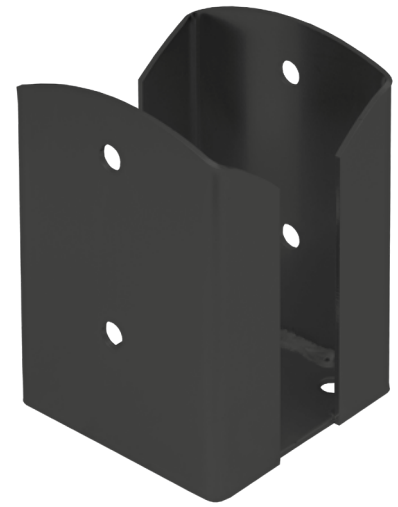
PSPW 120



PSPW 100



PSPW 90



assembly  
**PSPW**  
see page 160-161

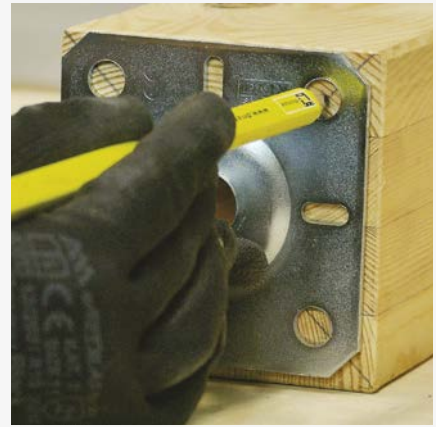
PSR/PSRP



1 Determination of post diagonals.



2 Reaming the bar hole.



3 Marking the locations for wood screws.



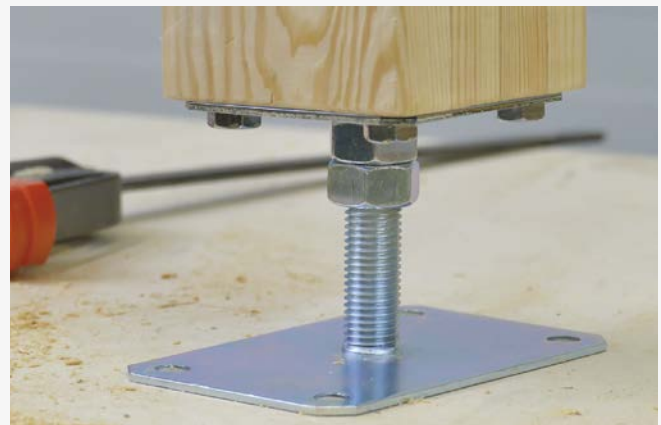
4 Reaming holes for wood screws.



5 Fixing the top plate to the underside of the post.



6 Overlaying the post on the threaded bar assembled with the bottom plate.



7 Determining the height of the post offsets and counteracting the nuts.



**1** Marking the locations for wood screws.



**2** Reaming holes for wood screws.



**3** Fixing the top plate to the underside of the post.



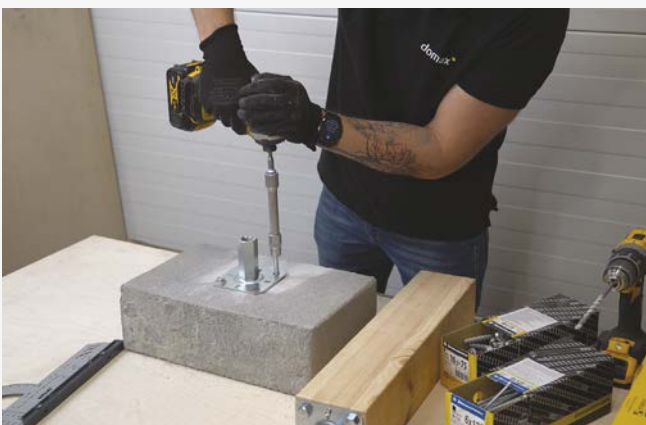
**4** Additional bean holes for fully threaded screws, fixing at an angle of approximately 30°.



**5** Applying the lower support plate and marking out the drilling points in the concrete.



**6** Reaming holes in concrete.



**7** Screwing the bottom plate to the concrete using screws.

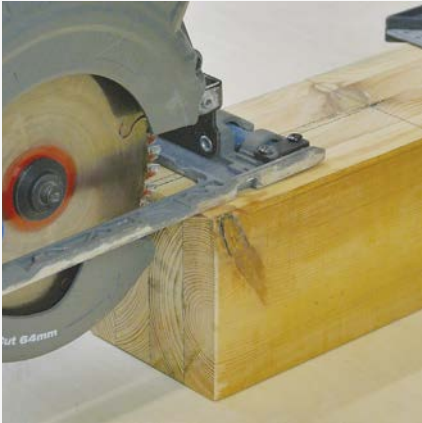


**8** Adjusting the height of the post offset from the concrete.



see the instructional video

PUW/PSW



1 Making a cutout in the centre of the post for a recessed support.



2 Marking out holes for mounting kit for post supports.



3 Drilling holes through.



4 Recessing the support into the centre of the post.

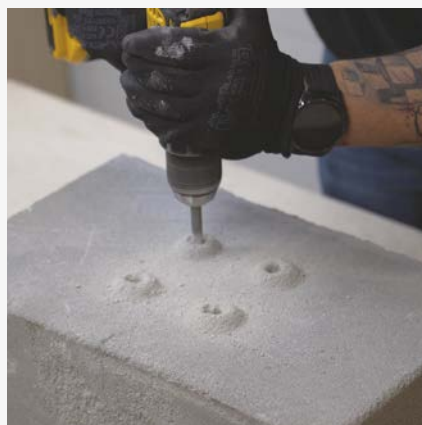


5 Screwing the whole assembly together with nuts using a threaded rod.

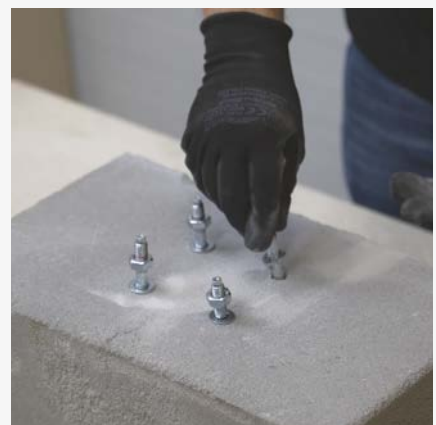
PSPW/PSO/PSOZ/PSOL



1 Determining hole locations.



2 Reaming holes in concrete.



3 Setting ring anchors.



## PSP/PSPD/PSPN/PSPA/PSPO/PSPOD



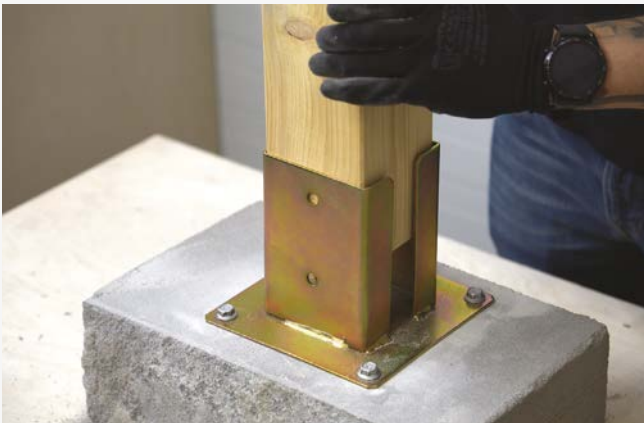
**1** Determining hole locations for ring anchors.



**2** Reaming holes in concrete.



**3** Fixing the support into concrete.



**4** Setting the post into the support.



**5** Screwing it into the garden structures.

## PSPW/PSO/PSOZ/PSOL



**4** Driving in ring anchors.



**5** Fixing the support into concrete.



**6** Setting the post into the support and screwing it into the garden structures.



# PSPA

## Post support



**Application**

Support used for connecting square wooden posts with concrete. The double clamps allow the post to be installed quickly without the need for drilling.

**Material**

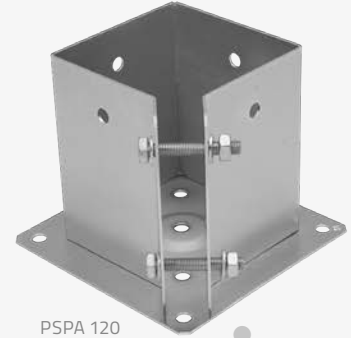
S235 + silver galvanization.

**Mounting**

Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; PNP set; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .



PSPA 150



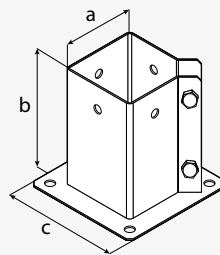
PSPA 120



PSPA 100



PSPA 90



PSPA 75



assembly  
**PSPA**  
see page 161

name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	#	$\phi 11$	$\phi 12$		
PSPA 75	●	4930075	76	150	150	2,0	8	9	1110	1
PSPA 90	●	4930090	91	150	150	2,0	8	9	1250	1
PSPA 100	●	4930100	101	150	180	2,0	8	9	1500	1
PSPA 120	●	4930120	121	150	180	2,0	8	9	1680	1
PSPA 150	●	4930150	151	150	220	2,0	8	9	2210	1

**coating:**

● silver galvanization



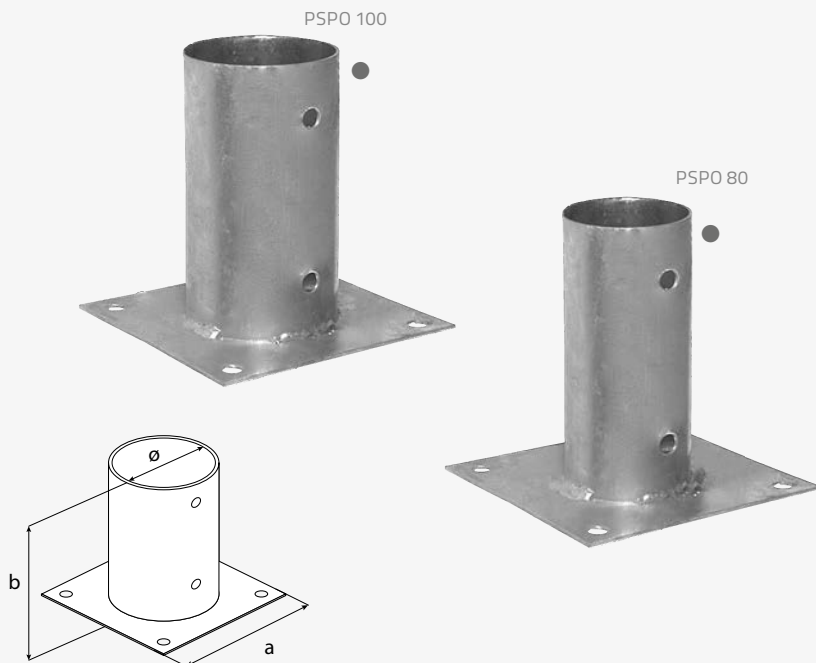
**Application** Post support designed for the installation of circular timber elements with concrete. It ensures adequate expansion of the wood from the substrate.

**Material** S235 + hot-dip zinc.

**Mounting** Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, concrete screw PBW  $\phi 10,5$ .

## PSPO

Post support



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			$\phi$	a	b	$\neq$	$\phi 11$			
PSPO 80	●	4844	81	150	150	2,0	11	956	1	
PSPO 100	●	4845	101	150	150	2,0	11	1139	1	

**coating:**  
● hot-dip zinc

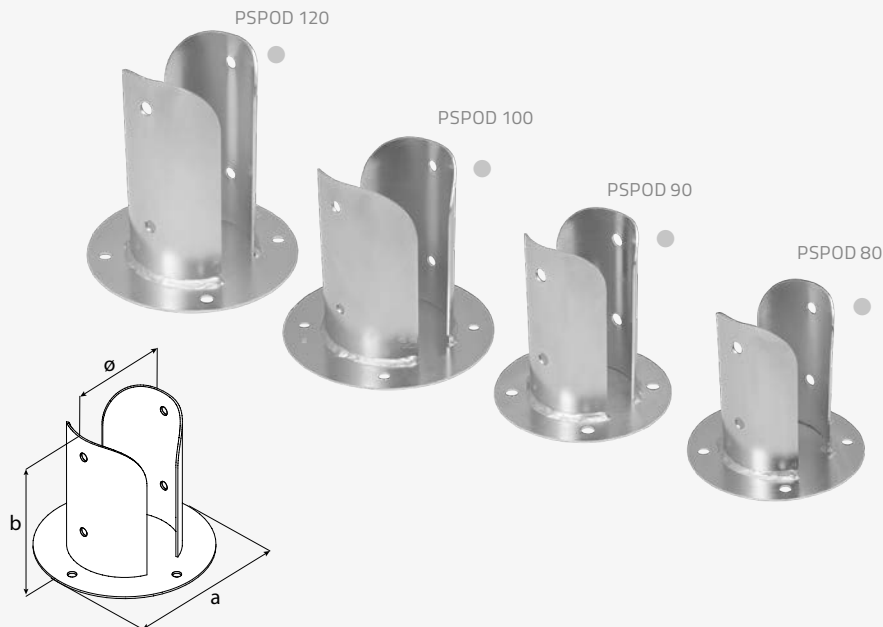
Loading capacity scheme		Mounting scheme	
Post support		PSPO 80	PSPO 100
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	13,4	13,4
	load-bearing capacity of steel $N_{Rd,V,s}$	21,6	21,6
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	9,8	15,2
	load-bearing capacity of steel $N_{Rd,H1,s}$	25,2	30,8
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	9,8	15,2
	load-bearing capacity of steel $N_{Rd,H2,s}$	25,2	30,8
Certificate		ETA 15/0725	ETA 15/0725

The forces are specified for a complete connection involving one connector.  
\* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
\*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
\*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



# PSPOD

Post support



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			ø	a	b	≠	ø11	ø12		
PSPOD 80	●	4850080	81	150	150	2,0	4	4	740	1
PSPOD 90	●	4850090	91	150	165	2,0	4	4	790	1
PSPOD 100	●	4850100	101	180	180	2,5	4	4	1260	1
PSPOD 120	●	4850120	121	180	210	2,5	4	4	1680	1

coating:  
● silver galvanization

assembly  
**PSPOD**  
see page 161



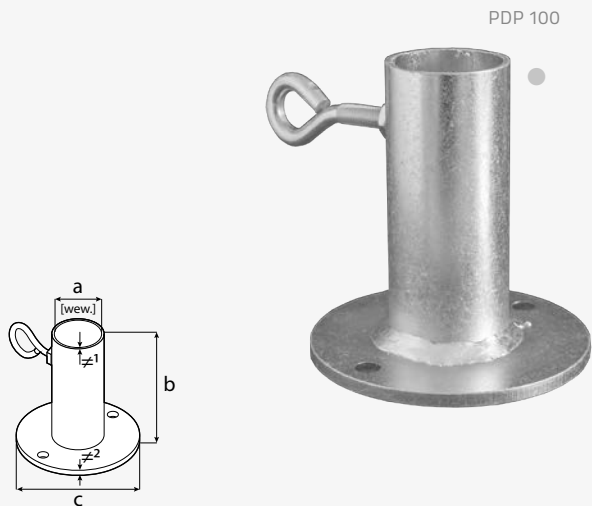
Loading capacity scheme		Mounting scheme			
Post support		PSPOD 80	PSPOD 90	PSPOD 100	PSPOD 120
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	14,1	14,1	15,1	15,1
	load-bearing capacity of steel $N_{Rd,V,s}$	28,8	28,8	36	36
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	20,1	25,4	31,4	45,2
	load-bearing capacity of steel $N_{Rd,H1,s}$	0,8	0,8	1	1
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	11,8	11,8	12,7	12,7
	load-bearing capacity of steel $N_{Rd,H2,s}$	21,8	21,8	27,3	27,3
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

The forces are specified for a complete connection involving one connector.  
\* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
\*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
\*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

**Application** Post support fitted with an M8 eye bolt, designed for the installation of vertical circular elements (e.g. umbrella shaft) with concrete.

**Material** S235 + silver galvanization.

**Mounting** Concrete: concrete screw PBW  $\phi 7,5$ .



name	coat.	art no.	dimensions [mm]					holes [mm]		weight [g]	pack. [pcs]
			a	b	c	$\phi^1$	$\phi^2$	$\phi 9$			
PDP 100	●	4840	38	105	100	2,0	5,0	2	547	10	

**coating:**  
● silver galvanization

## PDP

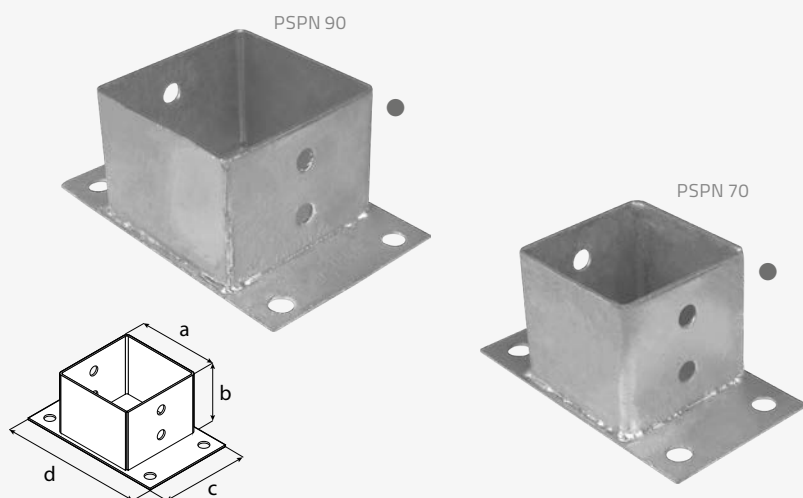
Screw-in umbrella support



**Application** Low post support designed for the installation of timber elements with concrete. It ensures adequate expansion of the wood from the substrate.

**Material** S235 + hot-dip zinc.

**Mounting** Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .



name	coat.	art no.	dimensions [mm]					holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	$\phi$	$\phi 11$	$\phi 12$		
PSPN 70	●	4839070	71	70	85	150	2,0	4	5	500	1
PSPN 90	●	4839090	91	70	105	170	2,0	4	5	670	1

**coating:**  
● hot-dip zinc

## PSPN

Post support with rectangular base



PUW

Post support



Application

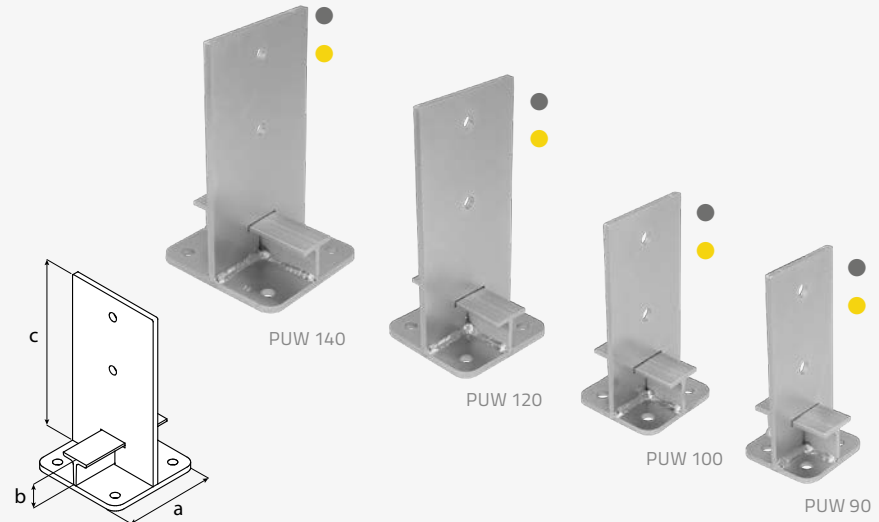
The post base to be mounted in a hard surface. A T-bar at the bottom of the part provides support for the beam so that the structure is robust and provides proper expansion of the post from the ground. They can be coated with a decorative paint suitable for electroplated surfaces.

Material

S235 + hot-dip zinc; S235 + yellow galvanization.

Mounting

Wood: PNP set; concrete: ring anchors PBK M12.



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	≠	ø12,5			
PUW 90	●	4944090	90	41	200	6,0	6	1420	1	
	●	49440906	90	41	200	6,0	6	1420	1	
PUW 100	●	4944100	100	41	200	6,0	6	1600	1	
	●	49441006	100	41	200	6,0	6	1600	1	
PUW 120	●	4944120	120	41	250	8,0	6	3030	1	
	●	49441206	120	41	250	8,0	6	3030	1	
PUW 140	●	4944140	140	41	250	8,0	6	3730	1	
	●	49441406	140	41	250	8,0	6	3730	1	

coating:

- hot-dip zinc
- yellow galvanization



assembly  
**PUW**  
see page 160

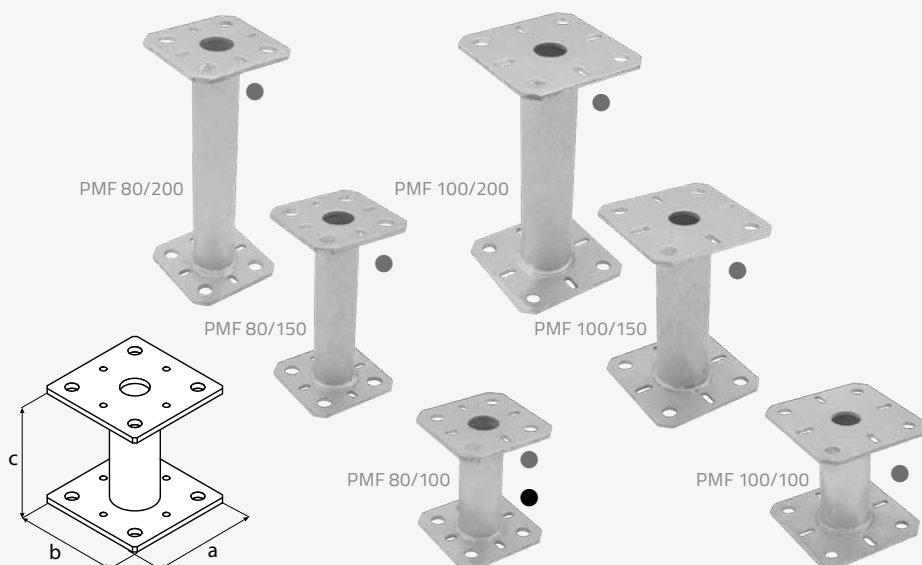
Loading capacity scheme		Mounting scheme			
Post support		PUW 90	PUW 100	PUW 120	PUW 140
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	70,6	79	94,1	110,9
	load-bearing capacity of steel $N_{Rd,V,s}$	129,3	129,3	129,3	129,3
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	25,4	32,2	47,3	66,3
	load-bearing capacity of steel $N_{Rd,H1,s}$	0,54	0,6	0,72	0,84
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	11,9	14	18,4	23,2
	load-bearing capacity of steel $N_{Rd,H2,s}$	13,7	16,5	24,9	32,8
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

The forces are specified for a complete connection involving one connector.  
\* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
\*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
\*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

**Application** Support used for connecting square wooden posts with concrete. The compact design allows a stable connection of heavy posts.

**Material** S235 + hot-dip zinc; S235 + powder coated, black.

**Mounting** Wood: wood screws  $\phi 6$ ; wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	$\neq$	$\phi 12$	$\phi 6/9$		
PMF 80/100	●	4947080	80	80	100	4,0	8	8	630	2
	●	49470802	80	80	100	4,0	8	8	630	2
PMF 80/150	●	4948080	80	80	150	4,0	8	8	685	2
PMF 80/200	●	4949080	80	80	200	4,0	8	8	795	2
PMF 100/100	●	4947100	100	100	100	4,0	8	8	960	2
PMF 100/150	●	4948100	100	100	150	4,0	8	8	995	2
PMF 100/200	●	4949100	100	100	200	4,0	8	8	1135	2

**coating:**

- hot-dip zinc
- powder coated, black



## PMF

### Post support



Loading capacity scheme		Mounting scheme					
Post support		PMF 80/100	PMF 80/150	PMF 80/200	PMF 100/100	PMF 100/150	PMF 100/200
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	117,1	117,1	117,1	190,2	190,2	190,2
	load-bearing capacity of steel $N_{Rd,V,s}$	66	66	66	84,6	84,6	84,6
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	–	–	–	–	–	–
	load-bearing capacity of steel $N_{Rd,H1,s}$	–	–	–	–	–	–
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	–	–	–	–	–	–
	load-bearing capacity of steel $N_{Rd,H2,s}$	–	–	–	–	–	–
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

*The forces are specified for a complete connection involving one connector.*

\* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.

\*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.

\*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



# PMFU

## Post support

**Application** The U-shaped post support allows installing timber elements with concrete. The compact design allows a stable connection of heavy posts.

**Material** S235 + silver galvanization.

**Mounting** Wood: wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\varnothing 10,5$ .



PMFU 160



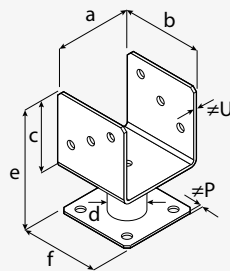
PMFU 140



PMFU 120



PMFU 100



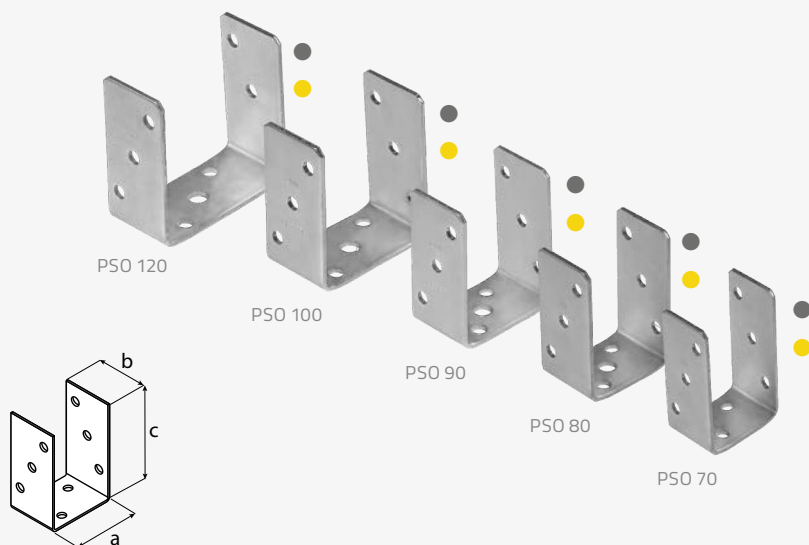
name	coat.	art no.	dimensions [mm]								holes[mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	f	$\neq U$	$\neq P$	$\varnothing 11$	$\varnothing 12$		
PMFU 100	●	494911	101	100	100	$\varnothing 42,4$	163	100	4,0	3,0	7	5	1240	4
PMFU 120	●	494912	121	100	100	$\varnothing 42,4$	163	100	4,0	3,0	7	5	1300	4
PMFU 140	●	494913	141	100	100	$\varnothing 42,4$	163	100	4,0	3,0	7	5	1360	4
PMFU 160	●	494914	162	100	100	$\varnothing 42,4$	163	100	4,0	3,0	7	5	1430	4

**coating:**  
● silver galvanization

**Application** Post support designed for the installation of timber elements with concrete. It ensures adequate expansion of the wood from the substrate.

**Material** S235 + hot-dip zinc; S235 + yellow galvanization.

**Mounting** Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	≠	$\phi 11$	$\phi 14$		
PSO 70	●	4832	71	60	120	4,0	8	–	566	10
	●	48326	71	60	120	4,0	8	–	566	10
PSO 80	●	4833	81	60	120	4,0	8	1	580	10
	●	48336	81	60	120	4,0	8	1	580	10
PSO 90	●	4834	91	60	120	4,0	8	1	599	10
	●	48346	91	60	120	4,0	8	1	599	10
PSO 100	●	4835	101	60	120	4,0	8	1	618	10
	●	48356	101	60	120	4,0	8	1	618	10
PSO 120	●	4836	121	60	120	4,0	8	1	655	10
	●	48366	121	60	120	4,0	8	1	655	10

**coating:**  
 ● hot-dip zinc  
 ● yellow galvanization

## PSO

### Post support



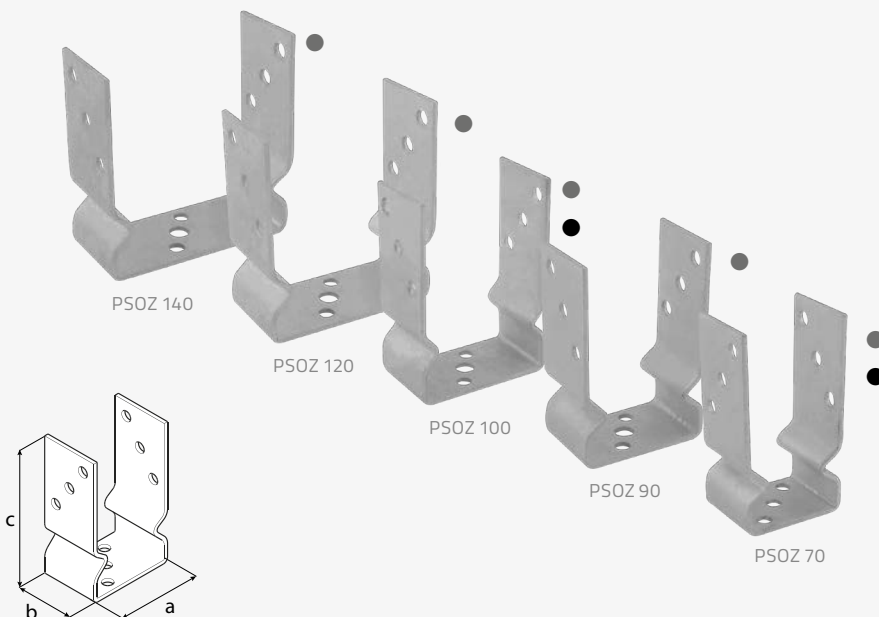
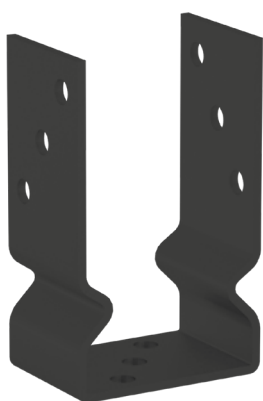
Loading capacity scheme		Mounting scheme				
Post support		PSO 70	PSO 80	PSO 90	PSO 100	PSO 120
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	15,9	15,9	15,9	15,9	15,9
	load-bearing capacity of steel $N_{Rd,V,s}$	57,6	57,6	57,6	57,6	57,6
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	12,4	12,4	12,4	12,4	12,4
	load-bearing capacity of steel $N_{Rd,H1,s}$	2,6	2,6	2,6	2,6	2,6
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	8,2	10	12	14	18,4
	load-bearing capacity of steel $N_{Rd,H2,s}$	19,1	19,1	19,1	19,1	19,1
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

The forces are specified for a complete connection involving one connector.  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



# PSOZ

Post support



name	coat.	art no.	dimensions [mm]				holes [mm]			weight [g]	pack. [pcs]
			a	b	c	≠	ø11	ø12	ø14		
PSOZ 70	●	4941070	71	60	150	4,0	9	3	–	735	6
	●	49410702	71	60	150	4,0	9	3	–	735	6
PSOZ 90	●	4941090	91	60	150	4,0	9	2	1	795	6
	●	4941100	101	60	150	4,0	9	2	1	815	6
PSOZ 100	●	4941100	101	60	150	4,0	9	2	1	815	6
	●	49411002	101	60	150	4,0	9	2	1	815	6
PSOZ 120	●	4941120	121	60	150	4,0	9	2	1	855	6
PSOZ 140	●	4941140	141	60	150	4,0	9	2	1	895	6

coating:  
 ● hot-dip zinc  
 ● powder coated, black



assembly  
**PSOZ**  
 see page 160–161

Loading capacity scheme		Mounting scheme				
Post support		PSOZ 70	PSOZ 90	PSOZ 100	PSOZ 120	PSOZ 140
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	24,9	24,9	24,9	24,9	24,9
	load-bearing capacity of steel $N_{Rd,V,s}$	112,8	112,8	112,8	112,8	112,8
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	15,9	15,9	15,9	15,9	15,9
	load-bearing capacity of steel $N_{Rd,H1,s}$	1,1	1,1	1,1	1,1	1,1
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	8,2	12	14	18,4	23,2
	load-bearing capacity of steel $N_{Rd,H2,s}$	10,2	10,2	10,2	10,2	10,2
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

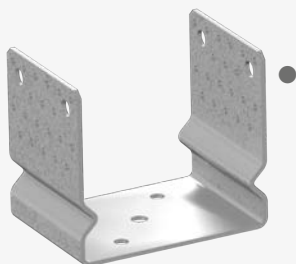
The forces are specified for a complete connection involving one connector.  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



**Application** U-shaped post support designed for the installation of timber elements with concrete. The mounted beam is supported on a „saddle”, which prevents it from coming into direct contact with the ground, ensuring ventilation and a longer life for the post.

**Material** S235 + hot-dip zinc.

**Mounting** Wood: ANCHOR  $\varnothing 4$  ring-shank nails; ANW Torx20 socket screws; wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\varnothing 10,5$ .



PSSOZ 160



PSSOZ 140



PSSOZ 100



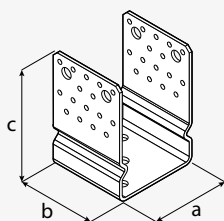
PSSOZ 120



PSSOZ 80



PSSOZ 60



assembly  
**PSSOZ**  
see page 160-161

name	coat.	art no.	dimensions [mm]				holes[mm]				weight [g]	pack. [pcs]
			a	b	c	#	$\varnothing 6$	$\varnothing 11$	$\varnothing 12$	$\varnothing 14$		
PSSOZ 60	●	480991	61	60	150	4,0	18	$\varnothing 11$ 2	$\varnothing 12$ 2	–	660	6
PSSOZ 80	●	480992	81	80	150	4,0	26	2	2	–	940	6
PSSOZ 100	●	480993	101	100	150	4,0	32	–	2	5	1220	6
PSSOZ 120	●	480994	121	120	150	4,0	40	–	2	5	1550	6
PSSOZ 140	●	480995	141	120	150	4,0	40	–	2	5	1620	6
PSSOZ 160	●	480996	161	120	150	4,0	40	–	2	5	1700	6

coating:  
● hot-dip zinc

# PSK

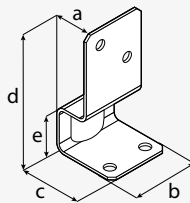
## Post support



**Application** The post support is designed for fixing posts and various garden structures. Its design allows using beams of non-standard dimensions.

**Material** DX51D + Z275; DUPLEX: DX51D + Z275 + powder coated, black or anthracite.

**Mounting** Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .



PSK 70

name	coat.	art no.	dimensions [mm]						holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	e	≠	$\phi 11$	$\phi 12$		
PSK 70	●	4858	34	70	70	142	50	3,0	2	2	363	6
	■	48582	34	70	70	142	50	3,0	2	2	363	6
	◆	48583	34	70	70	142	50	3,0	2	2	363	6

- coating:**
- DX51D + Z275
  - DUPLEX: DX51D + Z275 powder coated, black
  - ◆ powder coated, anthracite



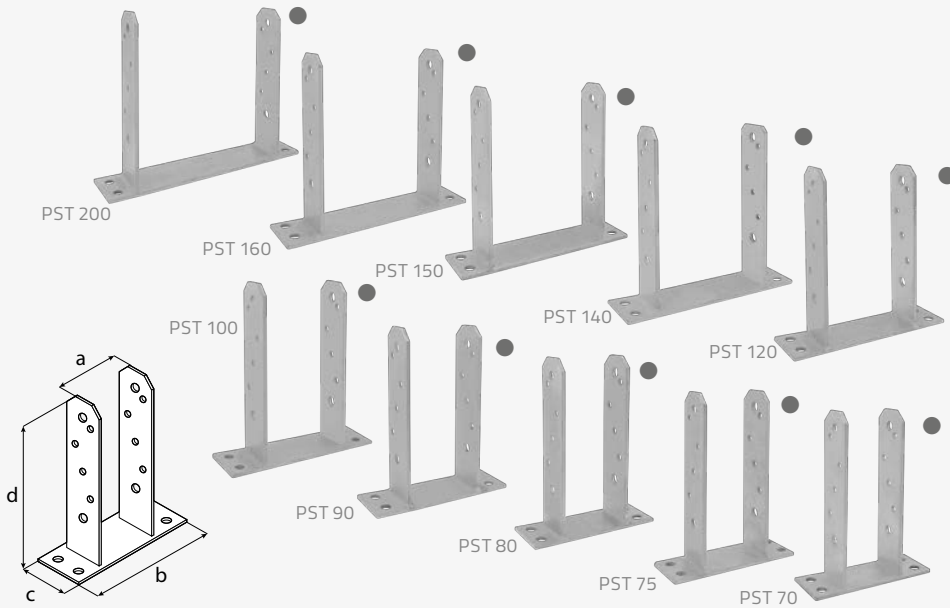
Loading capacity scheme		Mounting scheme
Post support		PSK 70
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$ load-bearing capacity of steel $N_{Rd,V,s}$	4,9 –
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$ load-bearing capacity of steel $N_{Rd,H1,s}$	– –
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$ load-bearing capacity of steel $N_{Rd,H2,s}$	– –
Certificate		ETA 18-1165

The forces are specified for a complete connection involving one connector.  
\* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
\*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
\*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

**Application** The support is designed for mounting of wooden elements with concrete and ensures proper expansion joint between wood and the ground.

**Material** S235 + hot-dip zinc.

**Mounting** Wood: wood screws  $\phi 6$ ; wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; PNP set; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .



name	coat.	art no.	dimensions [mm]					holes [mm]			weight [g]	pack. [pcs]
			a	b	c	d	≠	$\phi 7$	$\phi 11$	$\phi 12$		
PST 70	●	4861	71	160	60	200	5,0	8	4	4	1100	8
PST 75	●	4862075	75	160	60	200	5,0	8	4	4	1100	8
PST 80	●	4862080	80	160	60	200	5,0	8	4	4	1100	8
PST 90	●	4863	91	180	60	200	5,0	8	4	4	1137	8
PST 100	●	4864	101	190	60	200	5,0	8	4	4	1170	8
PST 120	●	4865	121	210	60	200	5,0	8	4	4	1145	8
PST 140	●	4866	141	230	60	200	5,0	8	4	4	1160	8
PST 150	●	4862150	151	230	60	200	5,0	8	4	4	1260	8
PST 160	●	4862160	161	250	60	200	5,0	8	4	4	1310	8
PST 200	●	4862200	201	280	70	200	5,0	8	4	4	1656	8

**coating:**  
● hot-dip zinc



## PST

### TT-shaped post support



Loading capacity scheme		Mounting scheme								
Post support		PST 70	PST 75	PST 90	PST 100	PST 120	PST 140	PST 150	PST 160	PST 200
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	31,9	31,9	31,9	31,9	31,9	31,9	31,9	31,9	31,9
	load-bearing capacity of steel $N_{Rd,V,s}$	117,5	117,5	117,5	117,5	117,5	117,5	117,5	117,5	117,5
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
	load-bearing capacity of steel $N_{Rd,H1,s}$	3,7	3,7	3,7	3,7	3,7	3,7	3,7	3,7	3,7
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	8,8	9,1	12	13	13	13	13	13	13
	load-bearing capacity of steel $N_{Rd,H2,s}$	7,1	7,1	7,1	7,1	7,1	7,1	7,1	7,1	7,1
Certificate		ETA-15/0725	ETA-20/1044	ETA-15/0725	ETA-15/0725	ETA-15/0725	ETA-15/0725	ETA-20/1044	ETA-20/1044	ETA-20/1044

*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.



# PSOL

Post support



**Application** The support is designed for mounting of wooden elements with concrete and ensures proper expansion joint between wood and the ground.

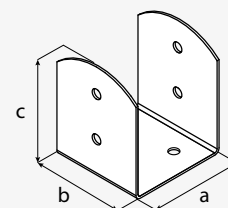
**Material** DX51D + Z275; DUPLEX: DX51D + Z275 + powder coated, black or anthracite.

**Mounting** Wood:  $\phi 10$  wood screws; concrete: M10 screws, M10 concrete anchors.

name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	$\neq$	$\phi 11$	$\phi 12$		
PSOL 45	●	4940045	45	45	100	2,0	4	2	214	4
	■	49400452	45	45	100	2,0	4	2	214	4
	◆	49400453	45	45	100	2,0	4	2	214	4
PSOL 50	●	4940051	51	45	100	2,0	4	2	218	4
	■	49400512	51	45	100	2,0	4	2	218	4
	◆	49400513	51	45	100	2,0	4	2	218	4
PSOL 60	●	4940060	61	45	100	2,0	4	2	225	4
	■	49400602	61	45	100	2,0	4	2	225	4
	◆	49400603	61	45	100	2,0	4	2	225	4
PSOL 70	●	4940070	71	71	120	2,5	4	2	528	4
	■	49400702	71	71	120	2,5	4	2	528	4
	◆	49400703	71	71	120	2,5	4	2	528	4
PSOL 90	●	4940090	91	91	120	2,5	4	2	674	4
	■	49400902	91	91	120	2,5	4	2	674	4
	◆	49400903	91	91	120	2,5	4	2	674	4
PSOL 100	●	4940100	101	101	140	2,5	4	2	755	4
	■	49401002	101	101	140	2,5	4	2	755	4
	◆	49401003	101	101	140	2,5	4	2	755	4

**coating:**

- DX51D + Z275
- DUPLEX: DX51D powder coated, black
- ◆ DUPLEX: DX51D powder coated, anthracite.



assembly  
**PSOL**  
see page 160–161

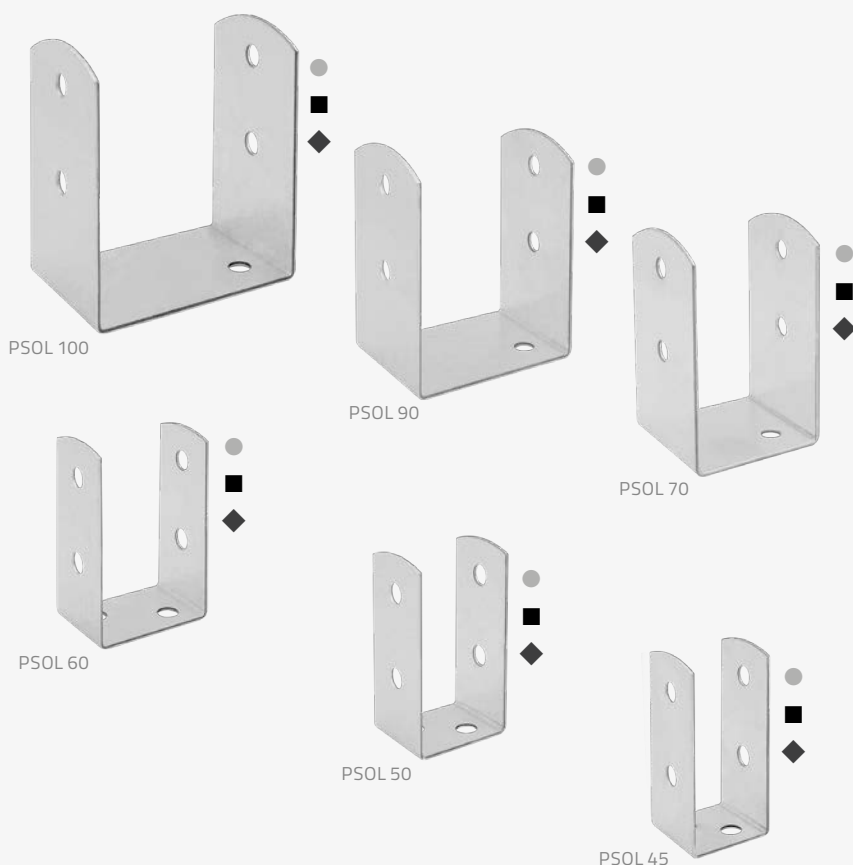
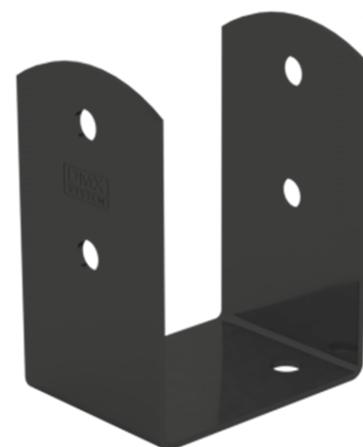


Loading capacity scheme		Mounting scheme					
Post support		PSOL 45	PSOL 50	PSOL 60	PSOL 70	PSOL 90	PSOL 100
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	11,6	12,9	15,1	15,1	15,1	15,1
	load-bearing capacity of steel $N_{Rd,V,s}$	36	36	36	36	36	36
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	8,1	10	14,4	19,6	21,3	21,3
	load-bearing capacity of steel $N_{Rd,H1,s}$	0,76	0,76	0,76	0,96	0,96	0,96
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	4	5	7	8	12	14
	load-bearing capacity of steel $N_{Rd,H2,s}$	8,1	8,1	8,1	14,2	14,2	14,2
Certificate		ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044	ETA 20/1044

The forces are specified for a complete connection involving one connector.  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

## PSOL

Post support



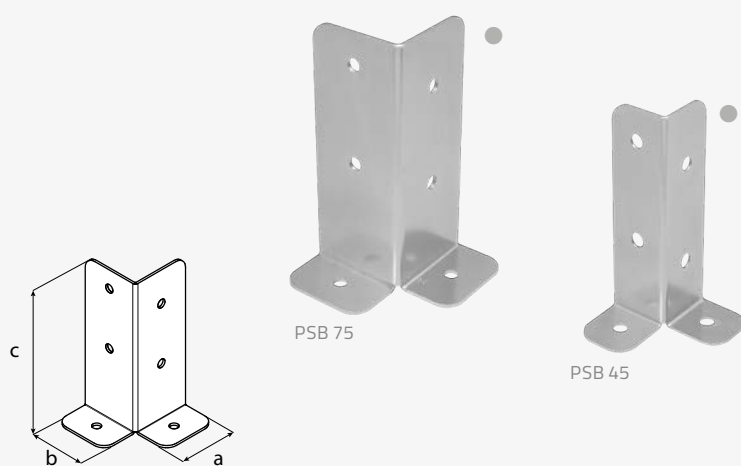
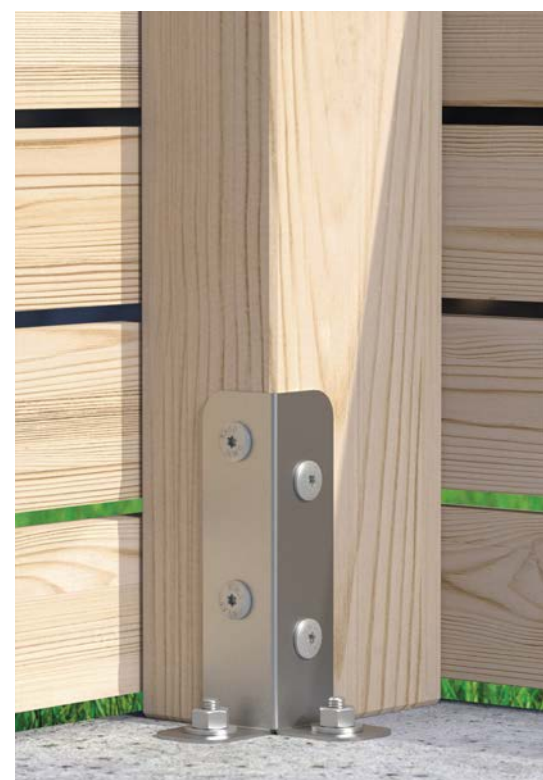
**Application** Lightweight support used for connecting wooden posts with concrete. The corner design of the PSB support allows better stabilisation of the post and is ideal for wall mounting.

**Material** DX51D + Z275.

**Mounting** Wood: wood screws – CTO  $\varnothing 10$ ; coach screws PWD  $\varnothing 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\varnothing 10,5$ .

## PSB

Post support



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	≠	$\varnothing 11$	$\varnothing 12$		
PSB 45	●	4939045	45	45	170	2,0	4	2	292	4
PSB 75	●	4939075	75	75	200	3,0	4	2	842	4

**coating:**  
● DX51D + Z275

PSC

Post support



Application

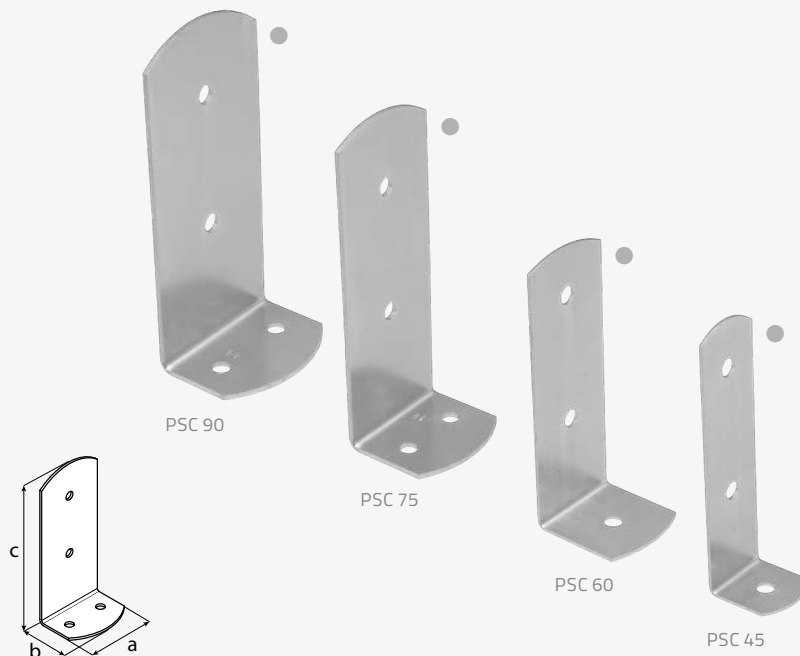
Lightweight support used for connecting wooden posts with concrete. The minimalistic design makes the element less visible and the use of two PSC supports allows a post of any cross section to be mounted.

Material

DX51D + Z275.

Mounting

Wood: wood screws – CTO  $\phi 10$ ; coach screws PWD  $\phi 10$ ; concrete: ring anchors PBK M10, M12; concrete screw PBW  $\phi 10,5$ .



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	pack. [pcs]
			a	b	c	$\neq$	$\phi 11$	$\phi 12$		
PSC 45	●	4938045	45	47	170	2,0	2	1	158	4
PSC 60	●	4938060	60	62	170	2,0	2	1	211	4
PSC 75	●	4938075	75	63	200	3,0	2	2	442	4
PSC 90	●	4938090	90	63	200	3,0	2	2	524	4

coating:

- DX51D + Z275



Loading capacity scheme		Mounting scheme			
Post support		PSC 45	PSC 60	PSC 75	PSC 90
Load capacity $N_{Rd,V}$ [kN]*	load-bearing capacity of wood $N_{Rk,V,w}$	14,1	14,1	16	16
	load-bearing capacity of steel $N_{Rd,V,s}$	36	36	36	36
Load capacity $N_{Rd,H1}$ [kN]**	load-bearing capacity of wood $N_{Rk,H1,w}$	8,1	14,4	22,5	32,4
	load-bearing capacity of steel $N_{Rd,H1,s}$	0,2	0,3	0,8	0,9
Load capacity $N_{Rd,H2}$ [kN]***	load-bearing capacity of wood $N_{Rk,H2,w}$	4,2	6,5	9,1	12
	load-bearing capacity of steel $N_{Rd,H2,s}$	3	5,1	10,6	14,8
Certificate		ETA-20/1044	ETA-20/1044	ETA-20/1044	ETA-20/1044

*The forces are specified for a complete connection involving one connector.*  
 \* Load capacity  $N_{Rd,V}$  [kN] – vertical force load, directed downwards.  
 \*\* Load capacity  $N_{Rd,H1}$  [kN] – horizontal force load parallel to the axis of the bolt.  
 \*\*\* Load capacity  $N_{Rd,H2}$  [kN] – horizontal force load perpendicular to the axis of the bolt.

**Application** The square roof of the post is not only a decorative element of the fence, it also protects the timber against adverse weather conditions.  
**Material** DC01 + hot-dip zinc; DC01 + powder coated, black.  
**Mounting** Wood: wood screws –  $\varnothing 3,5$  mm.

# DKK

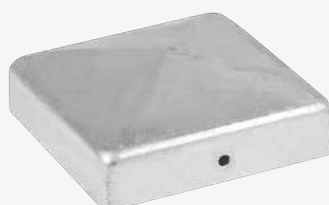
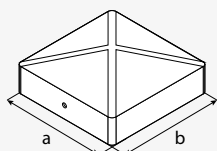
## Post cap



DK 70



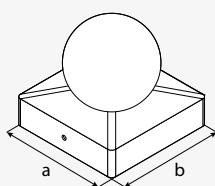
DK 70



DK 90



DKK 70



DKK 90



name	coat.	art no.	dimensions [mm]			holes [mm]	weight [g]	pack. [pcs]
			a	b	≠	$\varnothing 5$		
DK 70	●	4985	70	70	1,0	2	90	10
	●	49852	70	70	1,0	2	90	10
DK 90	●	4987	90	90	1,0	2	134	10
DKK 70	●	4995	70	70	1,0	2	190	10
DKK 90	●	4997	90	90	1,0	2	270	10

**coating:**

- hot-dip zinc
- powder coated, black

# OP

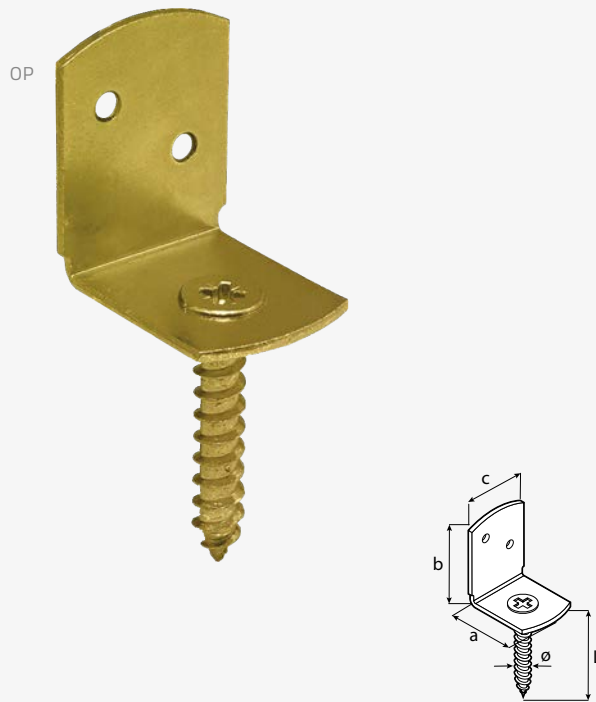
L- bracket



**Application** This connector is ideal for quick assembly of wooden architectural elements, such as fences or pergolas for flowers.

**Material** DC01 + yellow galvanization.

**Mounting** Wood screws  $\phi 5$ .



name	coat.	art no.	dimensions [mm]					holes [mm]		weight [g]	pack. [pcs]
			a	b	c	≠	L	ø	ø5		
OP	●	4625	30	38	30	2,0	45	8	2	37	50

coating:  
● yellow galvanization





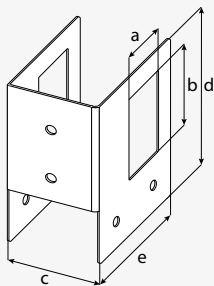
**Application** Elegant black connector for self-made firewood stand. It allows you to easily keep order when storing wood and maintain an aesthetic appearance.

**Material** DUPLEX: DX51D + powder coated, black.

**Mounting** Wood screws  $\phi 5$ .



SEK 1



SEK 2

# SEK

Connector for firewood stand



name	coat.	art no.	dimensions [mm]						holes [mm]	weight [g]	pack. [pcs]
			a	b	c	d	e	≠	$\phi 6$		
SEK 1	■	960628	41	61	61	118	98	2,0	6	350	
SEK 2	■	960629	71	71	71	158	158	2,0	6	720	

coating:  
 ■ DUPLEX: DX51D powder coated, black



see the instructional video



# GPLN

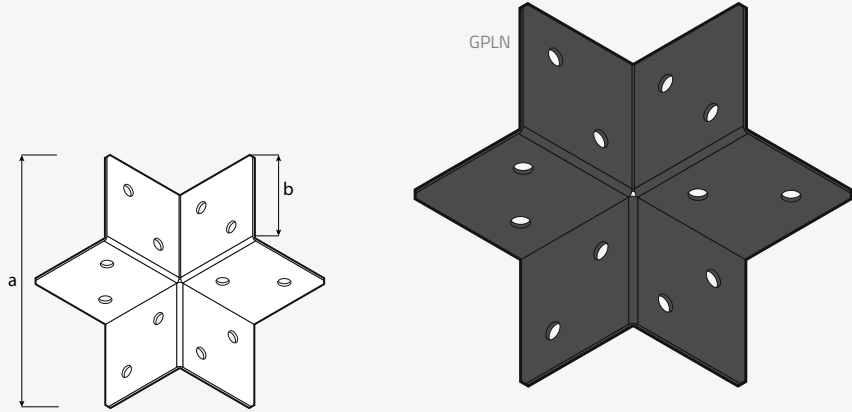
Pergola corner connector



**Application** The corner connector allows to connect the pergola beams. The characteristic shape of the element means that the bracket is not visible from the outside of the structure.

**Material** S235 + black powder coating.

**Mounting** Screws for garden architecture CTO (powder coated black); coach screws PWD + end cap for screw GHZ 1 black.

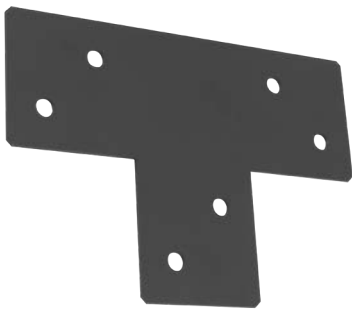


name	coat.	art no.	dimensions [mm]				otwory [mm]	weight [g]	packaging [pcs]
			a	b	≠	ø11			
GPLN 85	■	960780	170	85	2,5	12	795	8	

coating:  
■ Duplex black

# GPLP

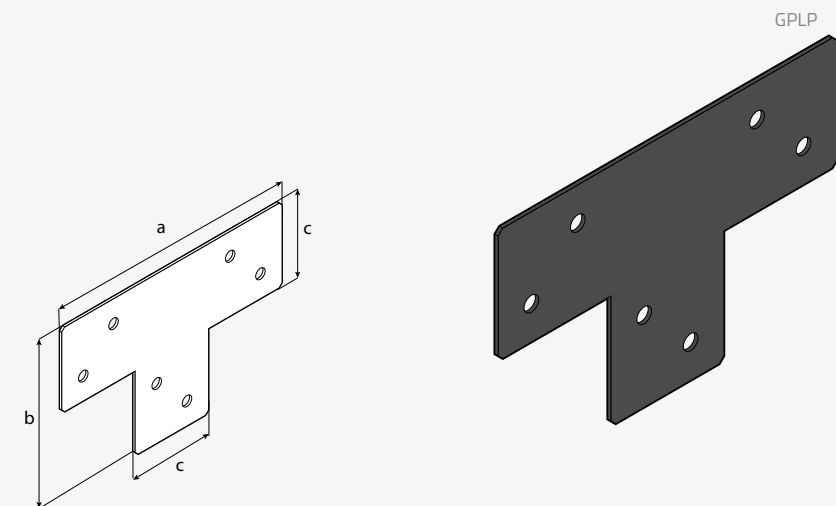
Pergola crossbeam connector



**Application** Black powder-painted connector, fastened with black-headed screws or finished with specially prepared screw plugs, increase the aesthetics of the entire connection.

**Material** S235 + black powder coating.

**Mounting** Screws for garden architecture CTO (powder coated black); coach screws PWD + end cap for screw GHZ 1 black.



name	coat.	art no.	dimensions [mm]				otwory [mm]	weight [g]	packaging [pcs]
			a	b	c	≠	ø11		
GPLP 85	■	960782	255	170	85	2,5	6	555	8

coating:  
■ Duplex black



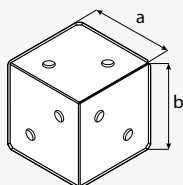
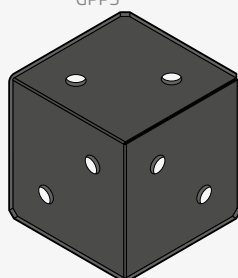
# GPPS

## Pergola post support

- Application** Pergola connectors are a great way to make a pergola in your own garden yourself.
- Material** S235 + black powder coating.
- Mounting** Screws for garden architecture CTO, powder coated black; coach screws PWD + end cap for screw GHZ 1 black.



GPPS



name	coat.	art no.	dimensions [mm]			otwory [mm]	weight [g]	packaging [pcs]
			a	b	≠	ø11		
GPPS 85	■	960781	85	85	2,5	6	395	8

coating:

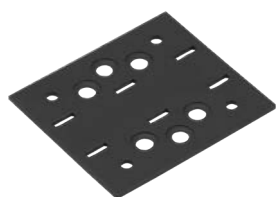
- Duplex black



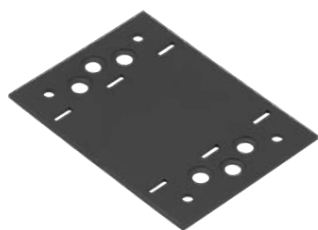
SDD 85B



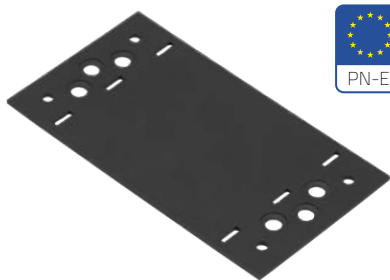
SDLPA 1



SDLPA 2



SDLPA 3



SDLPB 1



Application

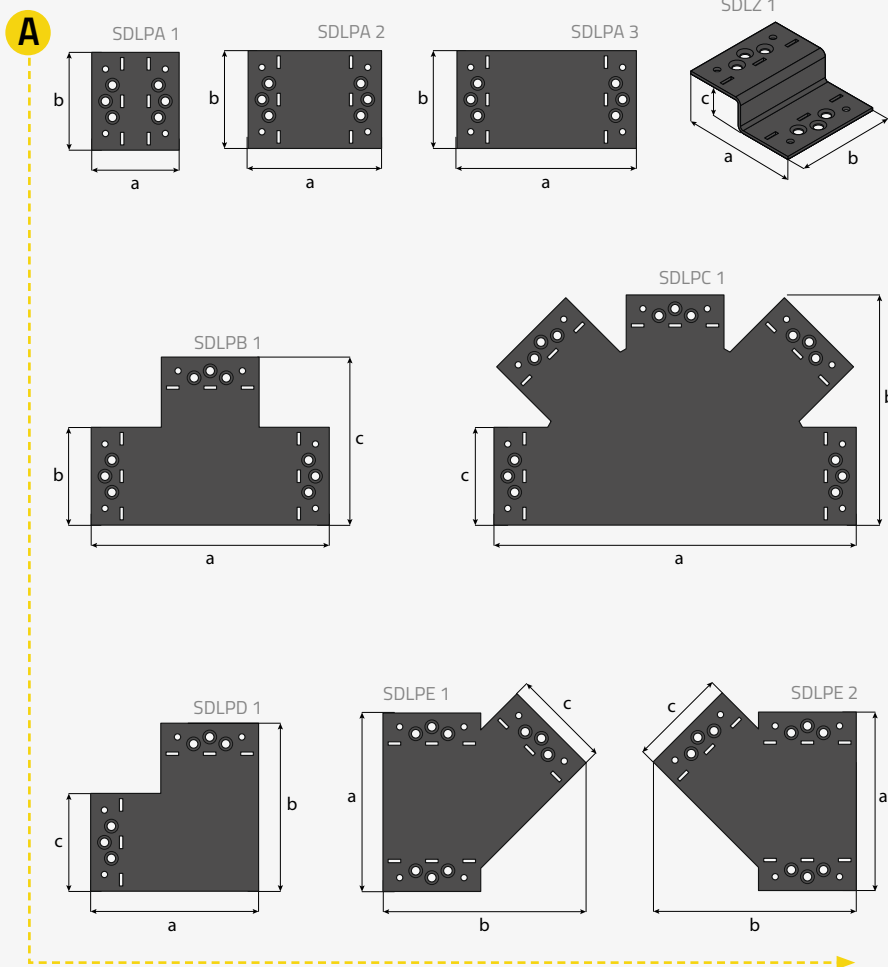
Decorative SD wood connectors are an attractive combination of construction joints and design. Thanks to a wide range of shapes and aesthetic accessories, they allow for expression and freedom in the design. They can be successfully used indoors and outdoors, with the use of various types and colors of wood. All SD decorative connectors are made of galvanized steel and finished with a powder paint coating for maximum rust protection.

Material

DX51D + powder coating, black.

Mounting

ZAS wood screws; wood screws with SDCS washer.

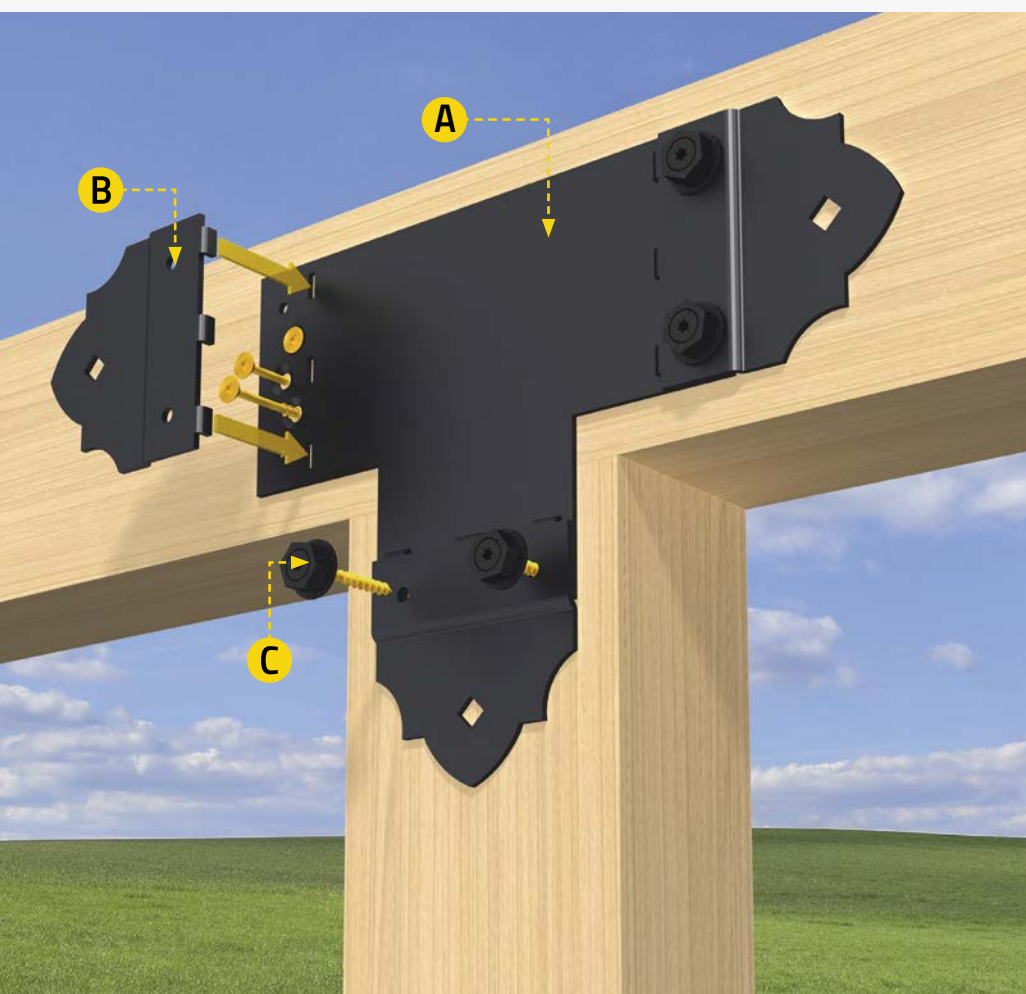


name	coat.	art no.	dimensions [mm]				TORX	weight [g]	pack.
			ø	L					
SDCS 50	●	38802	5	50			25	187	12 à 6 pcs

coating:  
● powder coated, black



SDCS 50



name	coat.	art no.	dimensions [mm]				holes [mm]		weight [g]	packaging [pcs]
			a	b	c	≠	ø5,5	ø7,5		
SDD 85B	■	89702	85	85	-	2,5	2	-	116	12
SDLPA 1	■	89531	76	85	-	2,5	4	6	130	6
SDLPA 2	■	89532	116	85	-	2,5	4	6	196	6
SDLPA 3	■	89533	156	85	-	2,5	4	6	261	6
SDLPB 1	■	89541	207	146	85	2,5	6	9	443	6
SDLPC 1	■	89551	315	200	85	2,5	10	15	1020	6
SDLPD 1	■	89561	146	146	85	2,5	4	6	349	6
SDLPE 1	■	89571	155	176	85	2,5	6	9	401	6
SDLPF 1	■	89581	155	176	85	2,5	6	9	402	6
SDLZ 1	■	89501	98	85	28	2,5	4	6	180	6

coating:  
■ Duplex black

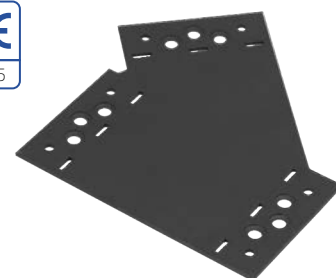
SDLZ 1



SDLPD 1



SDLPE 1



SDLPF 1



SDLPC 1



# GHKO

Circle beam connector



**Application** Powder-coated steel connector resistant to changing weather conditions. Designed for round beams of  $\varnothing 100$  mm. The angle between the columns of the fastened structure is  $60^\circ$ .

**Material** S235 + powder coated, green or red.

**Mounting** ANW – ANCHOR screws  $\varnothing 5$  TORX20 socket; coach screws PWD  $\varnothing 10$  + end cap for screws GHZ 1; screws M10 + end cap for screws GHZ2.

GHKO 100



name	coat.	art no.	dimensions [mm]			holes [mm]		weight [g]	pack. [pcs]
			a	b	≠	$\varnothing 5$	$\varnothing 10$		
GHKO 100	●	960716	100	350	2,0	4	4	2360	1
	●	960717	100	350	2,0	4	4	2360	1

coating:

- powder coated, green
- powder coated, red

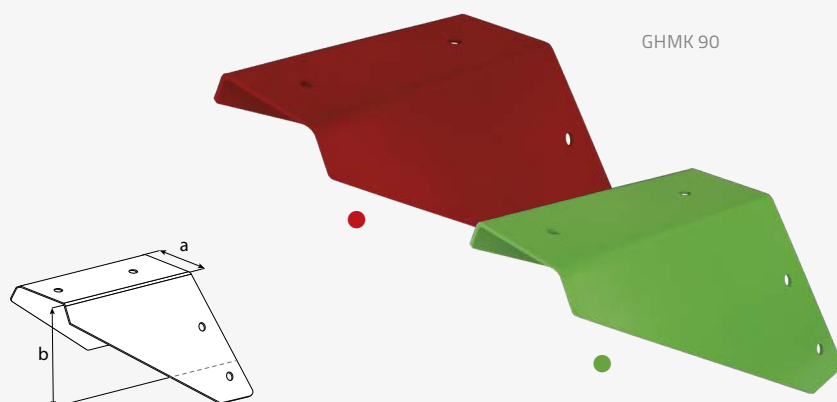
see the instructional video



**Application** Powder-coated steel connector resistant to changing weather conditions. Designed for square beams. The angle between the columns of the fastened structure is 60°.

**Material** S235 + powder coated, green or red.

**Mounting** Wood screws PWD  $\phi 10$  + end cap for screws GHZ 1; screws M10 + end cap for screws GHZ2.



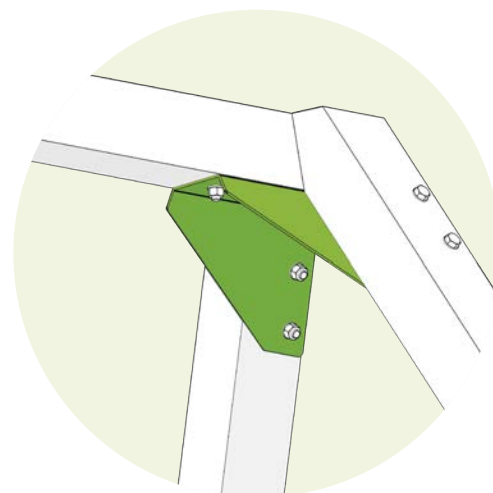
name	coat.	art no.	dimensions [mm]			holes [mm]	weight [g]	pack. [pcs]
			a	b	≠	$\phi 10$		
GHMK 90	●	960714	90	150	3,0	6	1660	1
	●	960715	90	150	3,0	6	1660	1

coating:

- powder coated, green
- powder coated, red

# GHMK

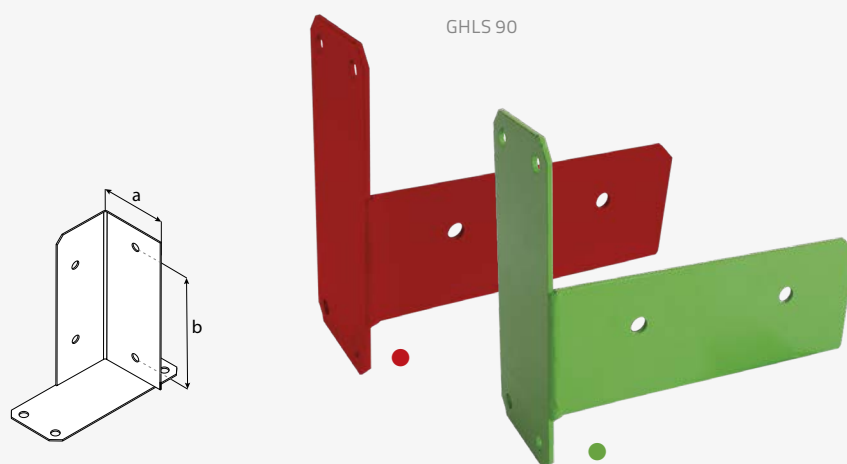
Square beam connectors



**Application** Powder-coated steel connector resistant to changing weather conditions. Designed for square beams.

**Material** S235 + powder coated, green or red.

**Mounting** Wood screws PWD  $\phi 10$  + end cap for screws GHZ 1; screws M10 + end cap for screws GHZ2.



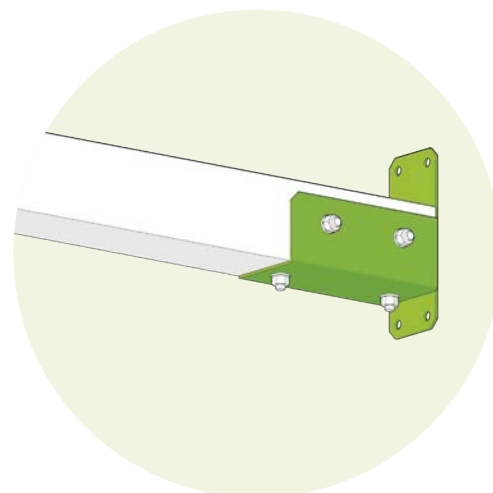
name	coat.	art no.	dimensions [mm]			holes [mm]	weight [g]	pack. [pcs]
			a	b	≠	$\phi 10$		
GHLS 90	●	960718	90	200	3,0	8	1330	1
	●	960719	90	200	3,0	8	1330	1

coating:

- powder coated, green
- powder coated, red

# GHLS

Wall beam connector



# GHSK

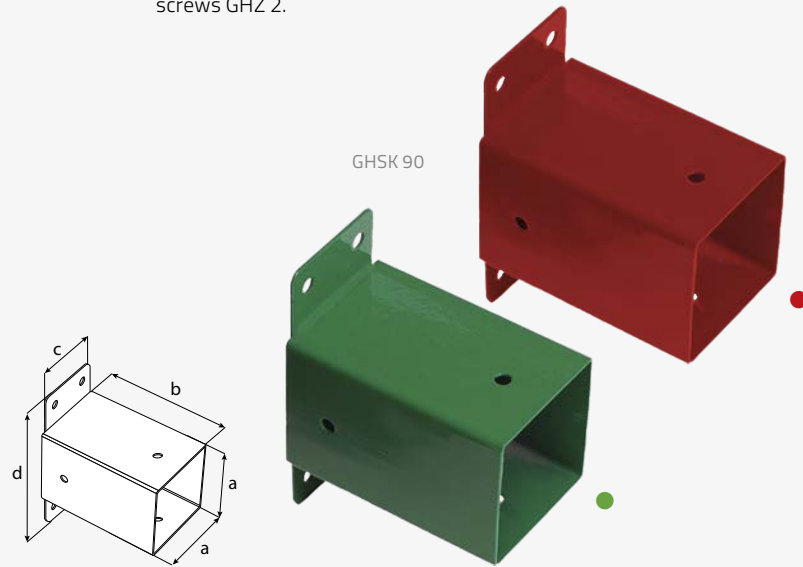
Square beam wall connecto



**Application** Powder-coated steel connector resistant to changing weather conditions. Designed for square beams.

**Material** S235 + powder coated, green or red.

**Mounting** Wood screws PWD  $\phi 10$  + end cap for screws GHZ 1; screws M10 + end cap for screws GHZ 2.

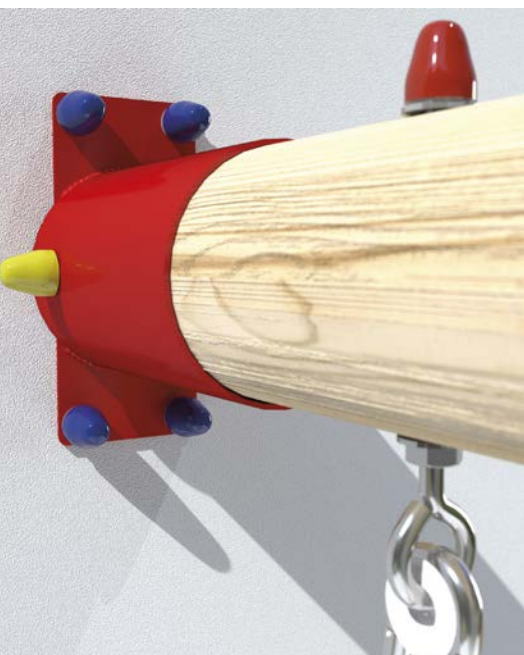


name	coat.	art no.	dimensions [mm]					holes [mm]		weight [g]	pack. [pcs]
			a	b	c	d	≠	$\phi 10$			
GHSK 90	●	960713	90	150	80	180	3,0	8	1200	1	
	●	960726	90	150	80	180	3,0	8	1200	1	

coating:  
 ● powder coated, green  
 ● powder coated, red

# GHSO

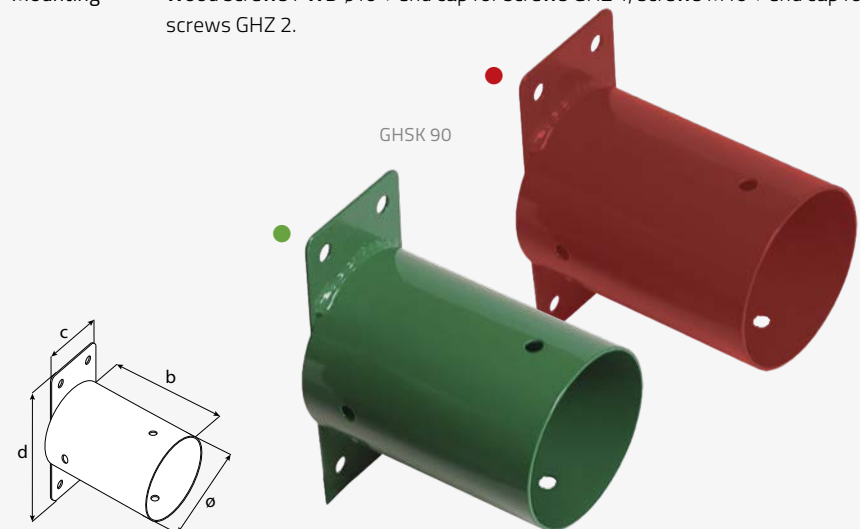
Circle beam wall connector



**Application** Powder-coated steel connector resistant to changing weather conditions. Designed for round beams  $\phi 100$  mm.

**Material** S235 + powder coated, green or red.

**Mounting** Wood screws PWD  $\phi 10$  + end cap for screws GHZ 1; screws M10 + end cap for screws GHZ 2.



name	coat.	art no.	dimensions [mm]					holes [mm]		weight [g]	pack. [pcs]
			$\phi$	b	c	d	≠	$\phi 10$			
GHSO 100	●	960712	100	152	80	185	2,0	6	1200	1	
	●	960725	100	152	80	185	2,0	6	1200	1	

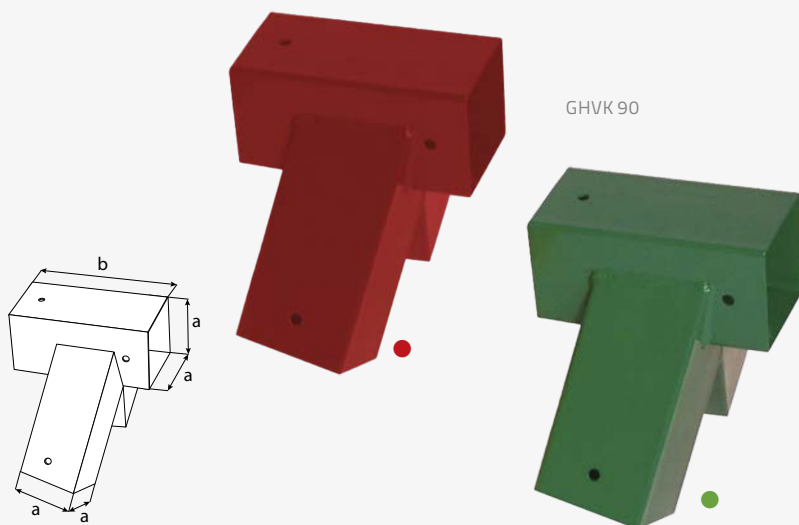
coating:  
 ● powder coated, green  
 ● powder coated, red



**Application** Powder-coated steel connector resistant to changing weather conditions. Designed for square beams. The angle between the pillars of the fixed structure is 60°, the angle between the pillars and the horizontal is 100°.

**Material** S235 + powder coated, green or red.

**Mounting** Wood screws PWD  $\varnothing$ 10 + end cap for screws GHZ 1; screws M10 + end cap for screws GHZ 2.



name	coat.	art no.	dimensions [mm]			holes [mm]	weight [g]	pack. [pcs]
			a	b	≠	$\varnothing$ 10		
GHVK 90	●	960710	90	200	2,0	5	3500	1
	●	960723	90	200	2,0	5	3500	1

coating:  
 ● powder coated, green  
 ● powder coated, red

# GHVK

## Square beam connector



**Application** Powder-coated steel connector resistant to changing weather conditions. Designed for round beams. The angle between the pillars of the fixed structure is 60°, the angle between the pillars and the horizontal is 100°.

**Material** S235 + powder coated, green or red.

**Mounting** Wood screws PWD  $\varnothing$ 10 + end cap for screws GHZ 1; screws M10 + end cap for screws GHZ 2.



name	coat.	art no.	dimensions [mm]			holes [mm]	weight [g]	pack. [pcs]
			$\varnothing$	b	≠	$\varnothing$ 10		
GHVO 100	●	960711	100	200	2,0	5	3500	1
	●	960724	100	200	2,0	5	3500	1

coating:  
 ● powder coated, green  
 ● powder coated, red

# GHVO

## Circle beam connector



# GHZ 1

Screw plug



**Application** Made of durable plastic, resistant to changing weather conditions, an M10 hexagon screw cap. Easy to install, it will provide an elegant finish to the structure. Available in 5 colors, quantity per package: 20 pieces (black) or 4 pieces (other colors).

**Material** Polypropylene: black, red, blue, green, yellow.

GHZ 1



name	coat.	art no.	dimensions [mm]				weight [g]	pack.
			øa	øb	øc	M		
GHZ 1	▼	960701	22	20	17	M10	60	1 à 4 pcs
	▼	960702	22	20	17	M10	60	1 à 4 pcs
	▼	960704	22	20	17	M10	60	1 à 4 pcs
	▼	960703	22	20	17	M10	60	1 à 4 pcs
	▼	960727	22	20	17	M10	300	1 à 20 pcs

coating:

- ▼ polypropylene red
- ▼ polypropylene blue
- ▼ polypropylene green
- ▼ polypropylene yellow
- ▼ polypropylene black

# GHZ 2

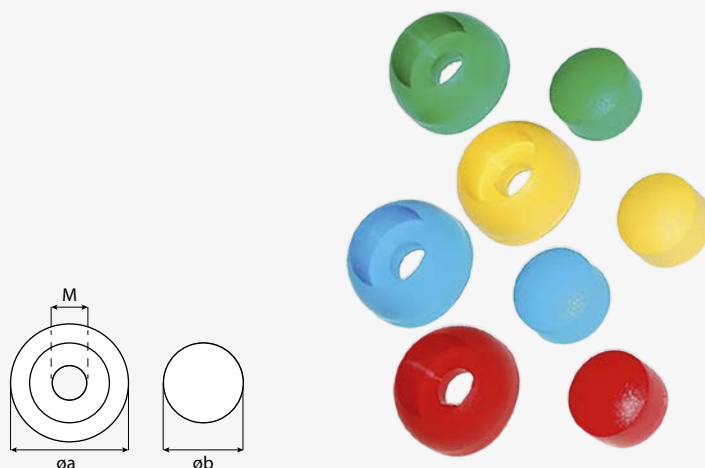
Screw plug



**Application** Made of durable plastic, resistant to changing weather conditions, specially profiled end cap for use on round beams. Easy to install, it will provide an elegant finish to the structure. Available in 4 colors, number in the package: 4 pieces.

**Material** Polypropylene: red, blue, green, yellow.

GHZ 2



name	coat.	art no.	dimensions [mm]			weight [g]	pack.
			øa	øb	M		
GHZ 2	▼	960705	34	23	M10	60	1 à 4 pcs
	▼	960706	34	23	M10	60	1 à 4 pcs
	▼	960708	34	23	M10	60	1 à 4 pcs
	▼	960707	34	23	M10	60	1 à 4 pcs

coating:

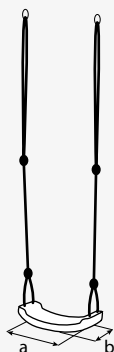
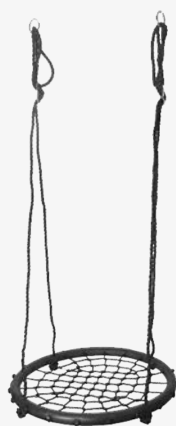
- ▼ polypropylene red
- ▼ polypropylene sky blue
- ▼ polypropylene green
- ▼ polypropylene yellow

**Application** Easy to assemble, colorful seats for private use made of lightweight, durable material. They will be perfect in the garden, giving great joy to your child. Fixed on a rope with adjustable length.

**Material** Polypropylene; eyelets and figures eight for adjusting the rope made of galvanized steel.



GHS 4



name	coat.	art no.	dimensions [mm]			weight [g]	pack. [pcs]
			a	b	c		
GHS 1	▼	960734	41,5	17	-	810	1
GHS 1	▼	960709	41,5	17	-	810	1
GHS 1	▼	960728	41,5	17	-	810	1
GHS 2	▼	960729	52	20	-	1210	1
GHS 2	▼	960730	52	20	-	1210	1
GHS 4	▼	960733	60	-	-	2630	1
GHS 5	▼	960735	27	24	44	1500	1
GHS 5	▼	960736	27	24	44	1500	1

coating:

- ▼ polypropylene sky blue
- ▼ polypropylene red
- ▼ polypropylene green
- ▼ polypropylene blue
- ▼ polypropylene dark green
- ▼ polypropylene red-yellow

# GHS

## Plastic seats

- ▶ **GHS 1 plastic seat**  
the bent sides of the seat increase the comfort of use
- ▶ **GHS 2 plastic seat**  
the bent sides of the seat increase the comfort of use
- ▶ **GHS 4 crow's nest seat**  
the circular mesh seat provides optimal freedom
- ▶ **GHS 5 plastic bucket seat**  
comfortable two-piece structure (seat and railing) protects against falling out



## MHA

- **Swing hanger Type A**  
swing hanger for flat and round beams with a carabiner

## MHB

- **Swing hanger Type B**  
swing hanger for flat and round beams with a removable carabiner

## MHC

- **Swing hanger Type C**  
swing hanger for flat and round beams with a shackle

## MHD

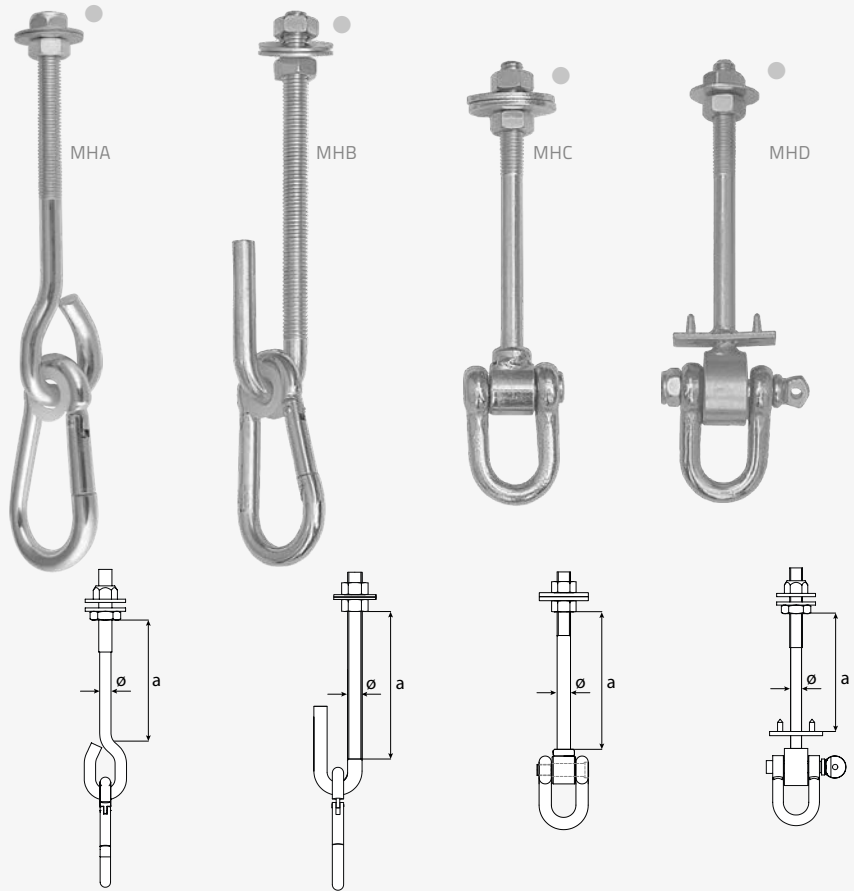
- **Swing hanger Type D**  
swing hanger for flat and round beams with a shackle

### Application

The fixings are equipped with appropriate shackles or carabiners, thanks to which the assembly of the swing is simple and does not require any additional tools. In addition, they have sliding bearings that improve their service life and increase the comfort of use.

### Material

Carbon steel + silver or yellow galvanization.





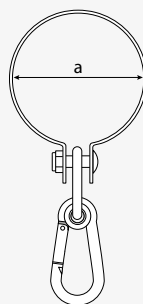
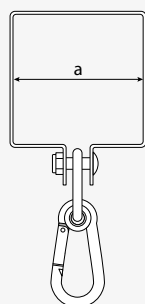
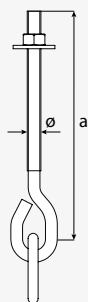
MHUM



MHK



MHO



name	coat.	art no.	dimensions [mm]			holes [mm]		weight [g]	pack. [pcs]
			ø	a	≠	ø9	ø10		
MHA 110	●	8850	12	110	-	-	-	344	10
MHA 130	●	8851	12	130	-	-	-	363	10
MHA 160	●	88661	12	160	-	-	-	405	10
MHA 200	●	88662	12	200	-	-	-	435	10
MHB 130	●	8852	12	130	-	-	-	353	10
MHC 120	●	8853	12	120	-	-	-	378	10
MHC 130	●	8854	12	130	-	-	-	396	10
MHD 120	●	8855	12	120	-	-	-	433	10
MHD 130	●	8856	12	130	-	-	-	447	10
MHD 160	●	88671	12	160	-	-	-	495	10
MHD 200	●	88672	12	200	-	-	-	525	10
MHUM 130	●	8862	12	130	-	-	-	277	10
MHUM 160	●	88631	12	160	-	-	-	295	10
MHUM 200	●	88632	12	200	-	-	-	335	10
MHK 90	●	8859	90	-	3,0	-	1	550	10
MHO 80	●	8860	80	-	3,0	1	-	462	10
MHO 100	●	8857	100	-	3,0	1	-	524	10
MHO 120	●	8858	120	-	3,0	1	-	564	10

coating:

- silver galvanization
- yellow galvanization

## MHUM

- ▶ **Swing hanger**  
swing hanger with a loop for flat and round beams

## MHK

- ▶ **Swing hanger with carabiner for square beams**  
swing hanger with carabiner for square beams

## MHO

- ▶ **Swing hanger for circle beam**  
swing hanger with carabiner for round beams



## MHM

- **Universal hanger**  
hanger with a loop, requiring pre-drilling of the hole

## MHUW

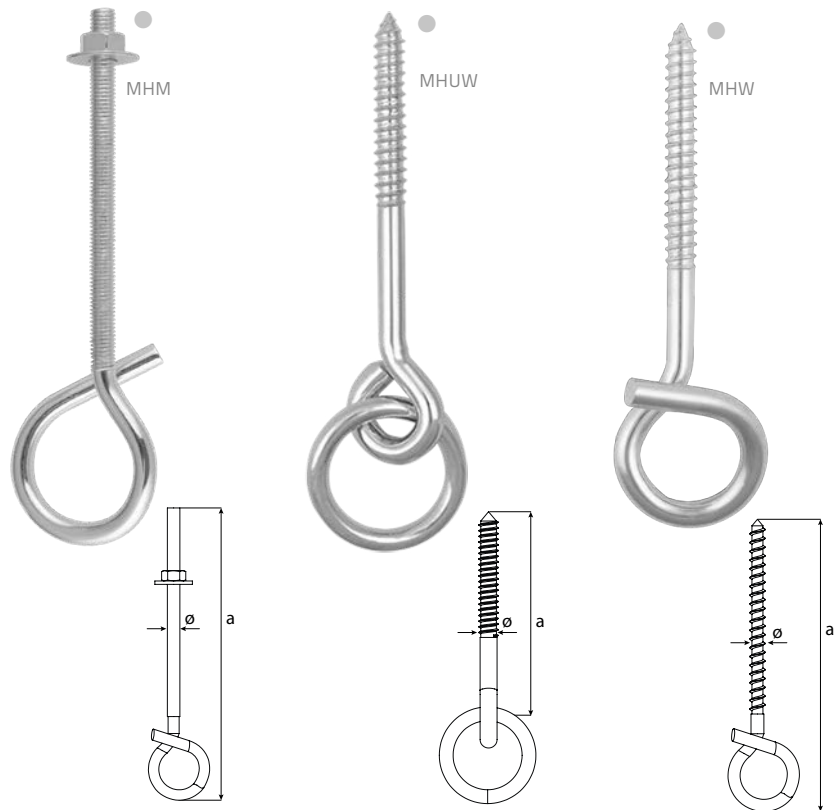
- **Universal hanger**  
hanger with a loop and a special mounting ring, screwed directly into the wooden material

## MHW

- **Universal hanger**  
hanger with a loop, screwed directly into the wooden material

**Application** Universal hangers that allow for easy and quick assembly of hanging decorative elements, such as flower pots or lanterns.

**Material** Carbon steel + silver galvanization.



name	coat.	art no.	dimensions [mm]		weight [g]	pack. [pcs]
			ø	a		
MHM 6×100	●	886801	6	100	52	10
MHM 6×120	●	886802	6	120	58	10
MHM 6×140	●	886803	6	140	62	10
MHM 8×130	●	886811	8	130	92	10
MHM 8×150	●	886812	8	150	102	10
MHM 8×170	●	886813	8	170	112	10
MHM 8×200	●	886814	8	200	122	10
MHM 10×140	●	886821	10	140	142	10
MHM 10×180	●	886822	10	180	172	10
MHM 10×220	●	886823	10	220	192	10
MHM 10×260	●	886824	10	260	212	10
MHM 12×180	●	886831	12	180	282	10
MHM 12×200	●	886832	12	200	302	10
MHM 12×240	●	886833	12	240	342	10
MHM 12×280	●	886834	12	280	372	10
MHUW 100	●	8864	12	100	226	10
MHUW 130	●	88651	12	130	225	10
MHUW 160	●	88652	12	160	245	10
MHW 6×100	●	886881	6	100	26	10
MHW 6×120	●	886882	6	120	29	10
MHW 8×130	●	886885	8	130	57	10
MHW 8×150	●	886886	8	150	64	10
MHW 10×140	●	886891	10	140	109	10
MHW 10×160	●	886892	10	160	118	10
MHW 12×180	●	886895	12	180	225	10

**coating:**  
● silver galvanization





✓ see page

# WHS

door lock with numeric code

see page 249

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