CATALOGUE

domax

30 YEARS of EXPERIENCE

BOLTS, NAILS

HARDENED SCREWS

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).

DOMAX Sp. z o. o. ■ al. Parku Krajobrazowego 109 ■ Łężyce, 84-207 Koleczkowo ■ Poland
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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^2
- 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.

CE
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.

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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^2 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^2 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.

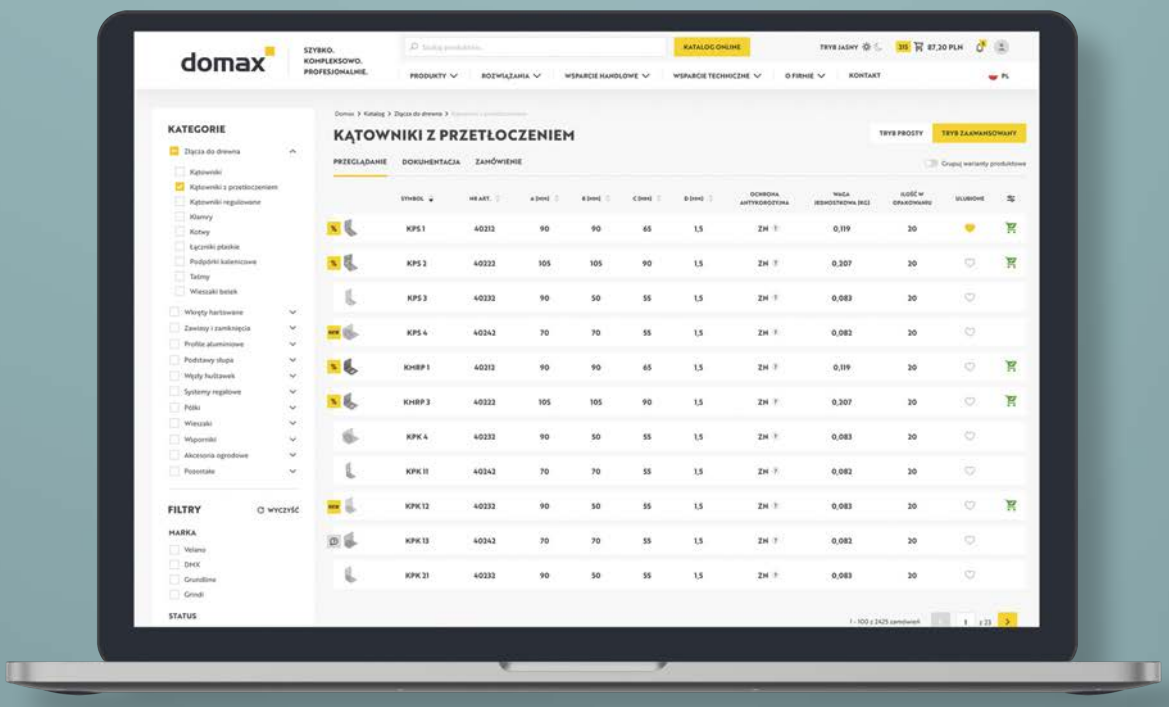
POWDER PAINTING ● ◆

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



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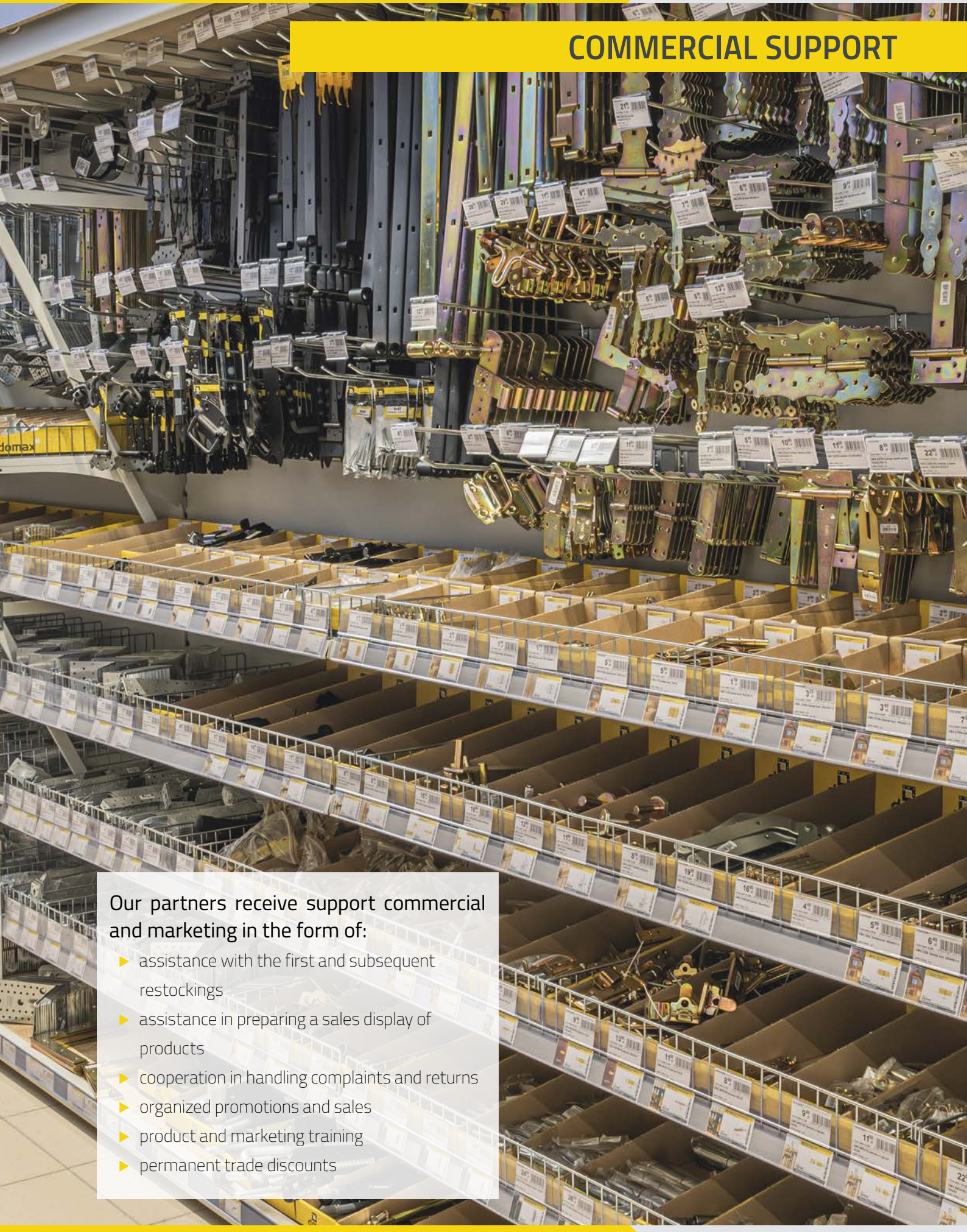
COMMERCIAL SUPPORT



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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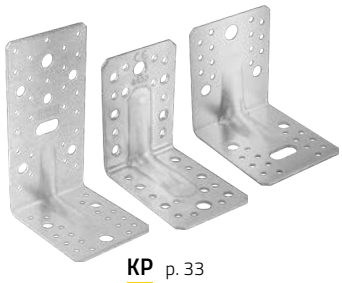

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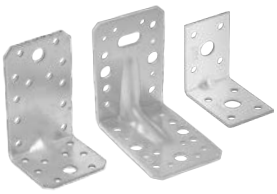

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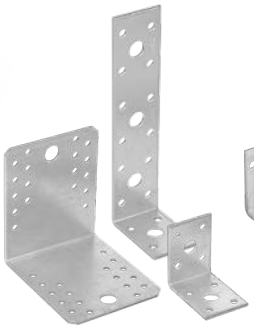

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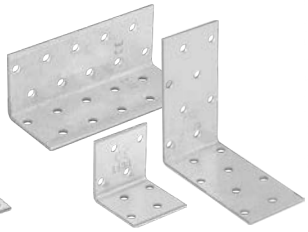

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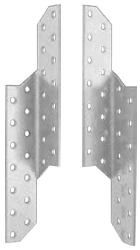

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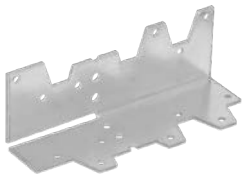

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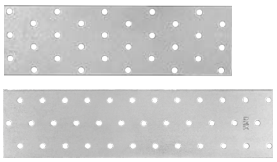

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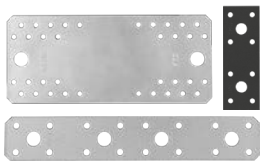

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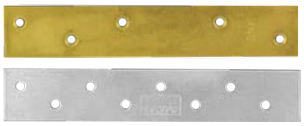

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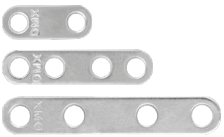

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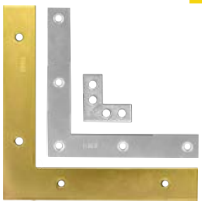

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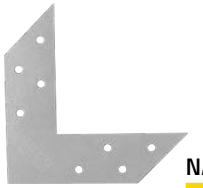
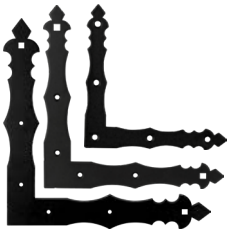


NAS p. 78



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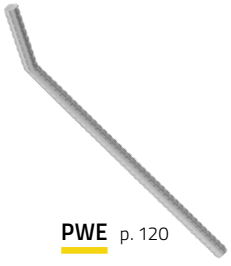

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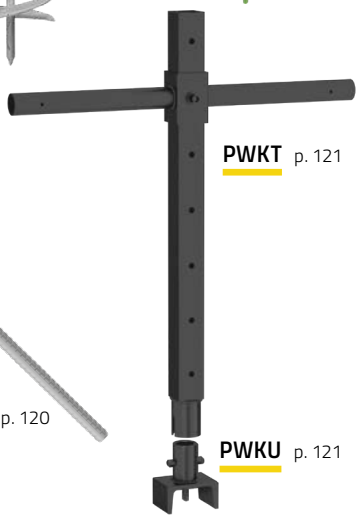

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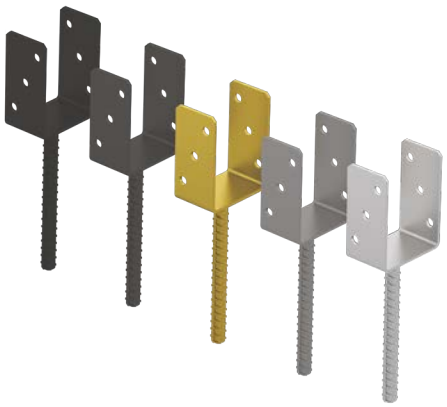

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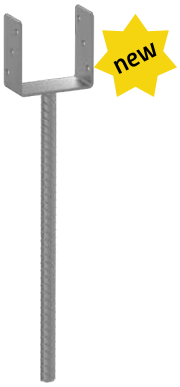

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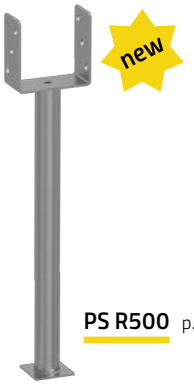

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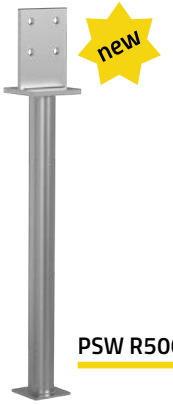

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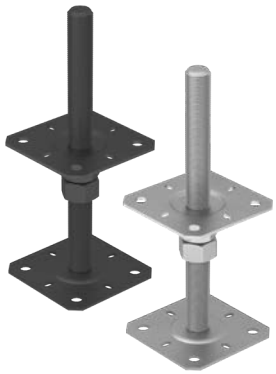

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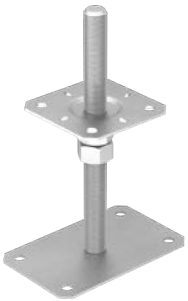

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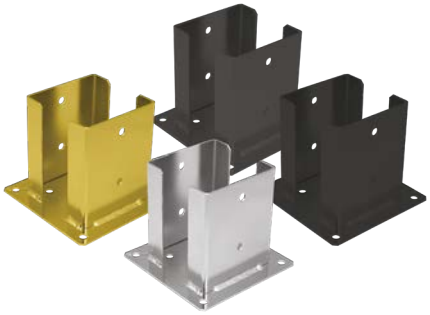

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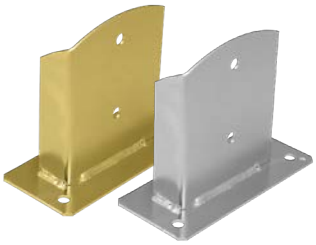

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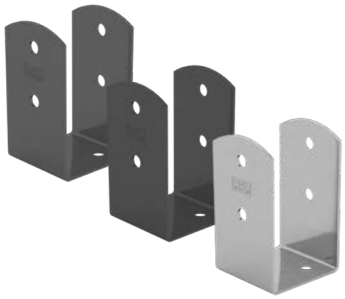

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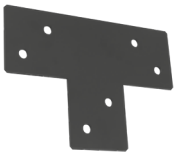

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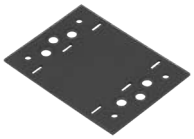

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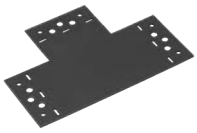

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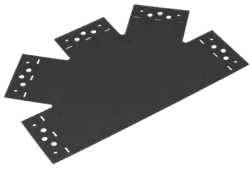

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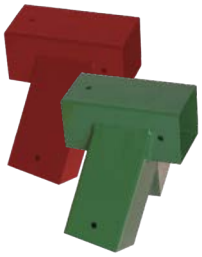

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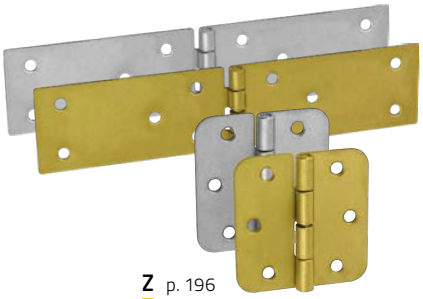

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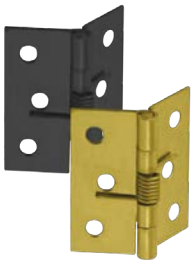

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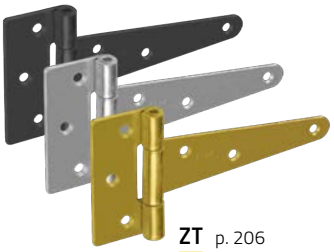

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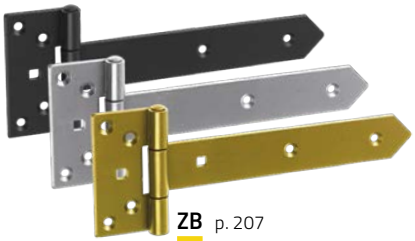

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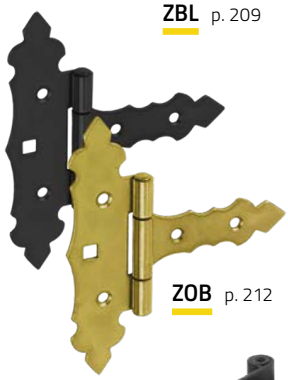

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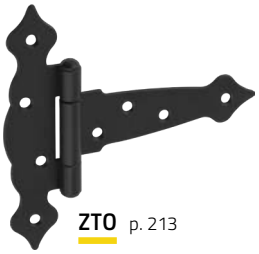

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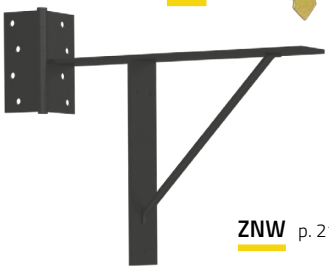

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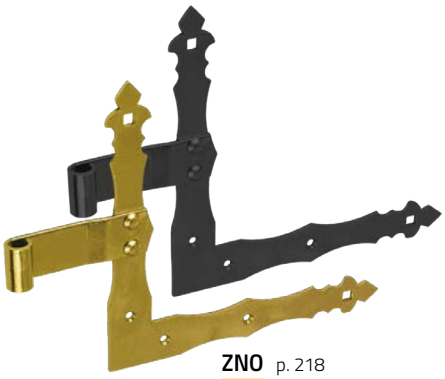

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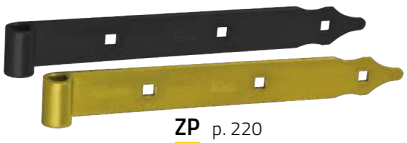

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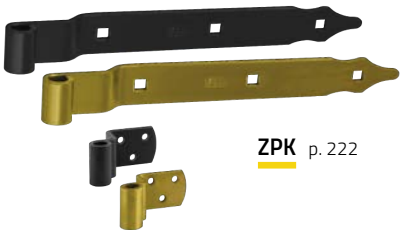

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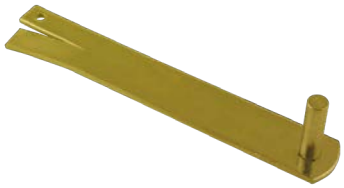

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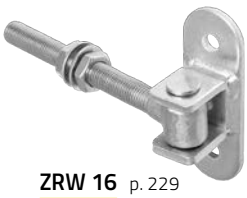

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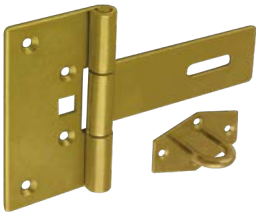

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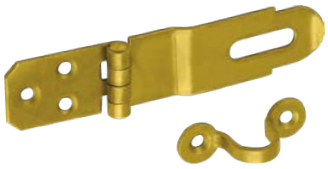

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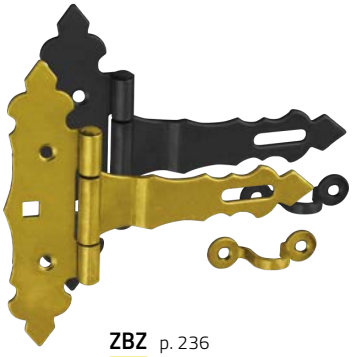

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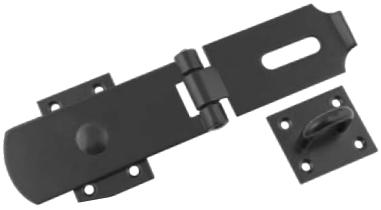

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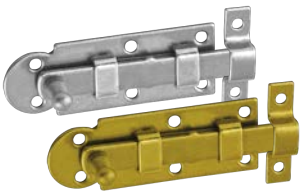

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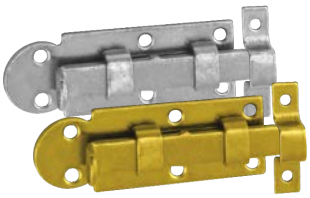

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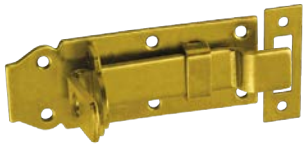

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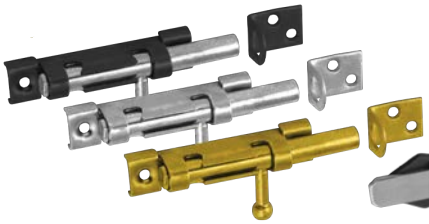

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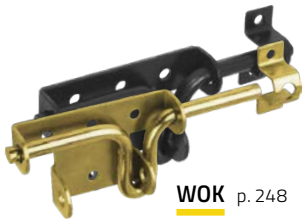

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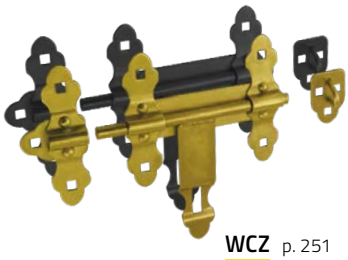

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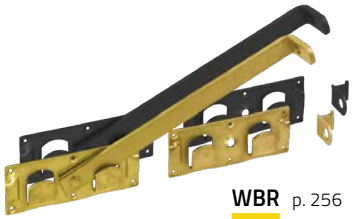

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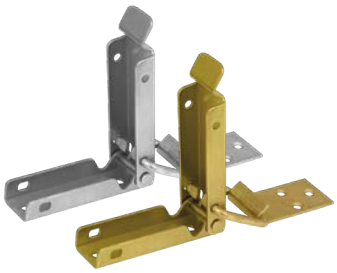

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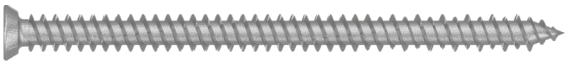


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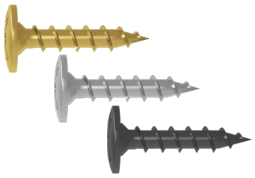

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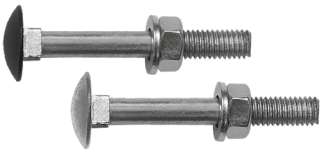

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domax

BOLTS, NAILS
HARDENED SCREWS

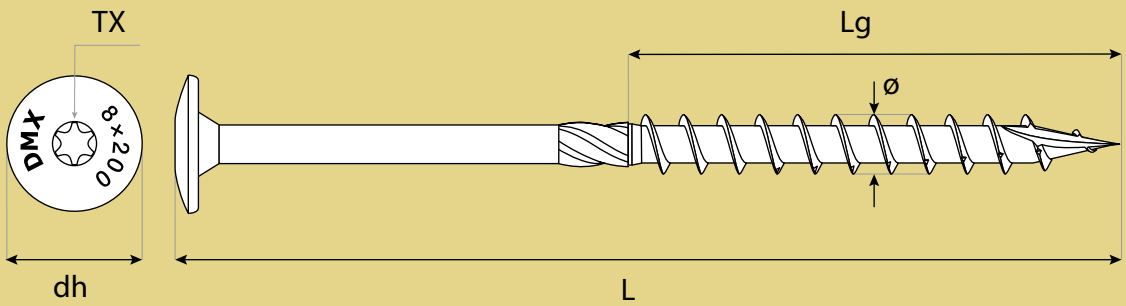
CERTIFICATION AND QUALITY CONTROL

DOMAX® carpentry screws are self-tapping products made of hardened carbon steel and covered with a layer of corrosion protection Fe/Zn. They are used to connect wooden load-bearing structures with wooden elements. The suitability for use of the CS, CT, WKT, WKW, CPW and CPS screws was assessed according to EAD 130118-01-0603 and the general conditions of use given in EN 1995-1-1.

In accordance with these guidelines, the manufacturer specifies the geometric dimensions of the screw in relation to the following parameters:

- length **L** [mm],
- thread length **Lg** [mm],
- thread diameter **ø** [mm],
- head diameter **dh** (d_{head}) [mm],
- TORX socket **TX**.

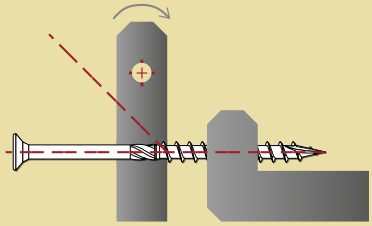
CT type



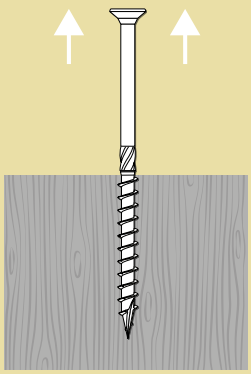
The dimensions of the screws manufactured by DOMAX® comply with the provisions of the EN 14592+A1 standard.

In accordance with the standards, DOMAX® also conducts a number of tests. The specified characteristics reflect the behavior of the joint in a practical application.

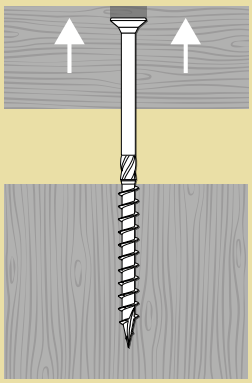
According to EN 1995-1-1, constructions using fasteners such as screws are based on Johansen's theory that joints are flexible. Therefore, the plasticity of the screws is defined as a basic condition ensuring suitability for use. The practical criterion of appropriate plasticity should be the bending angle of the screw, which is determined by the appropriate formula provided in the EAD and supported by tests carried out in the DOMAX® laboratory.



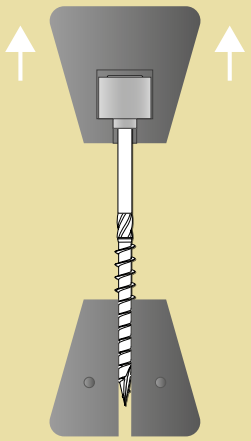
characteristic moment of plasticization $M_{y,k}$ (Nmm)



characteristic extraction parameter $f_{ak,k}$ (N/mm²)



characteristic parameter of head pulling $f_{head,k}$ (N/mm²)



characteristic tensile strength $f_{tens,k}$ (kN)

The characteristic yield moments $M_{y,k}$ have been determined in tests according to EN 409.

The characteristic extraction parameters $f_{ax,0,k}$ and $f_{ax,90,k}$ have been determined in tests according to EN 1382.

For the angles α between the axis of the screw and the direction of the fibers 15°≤α<45°, **the characteristic extraction capacity** $F_{ax,\alpha,Rk}$ is given by the equation $F_{ax,\alpha,Rk} = k_{ax} \cdot d_{lef} \cdot (\rho k/350)^{0,8}$,

where

k_{ax} factor to take into account the influence of the angle between the screw axis and the direction of the grain and long-term behavior

$k_{ax} = 0,3+(0,7 \cdot \alpha)/45°$

$f_{ax,90,k}$ short-term characteristic extraction parameter for the angle α between the screw axis and the fiber direction of 90° per N/mm²

d outside diameter of the screw thread in mm

l_{ef} penetration length of the threaded part of the screw in the wooden element in mm

ρk is the characteristic density of the wood-based element in kg/m³

For the angle α between the screw axis and the grain direction 0°≤α<15°, the following requirements are met and the appropriate equations can be used:

1. $f_{ax,0,k} / f_{ax,90,k} \geq 0,6$
2. The penetration length of the threaded part of the screw in the wooden element should be:

$$l_{pen,req} = \min \left\{ \begin{array}{l} \frac{4 \cdot d}{\sin \alpha} \\ 20 \cdot d \end{array} \right.$$

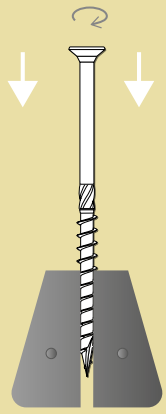
The characteristic head broaching parameter $f_{head,k}$ has been determined on the basis of tests in accordance with EN 1383.

The characteristic tensile strength $f_{tens,k}$ has been determined by testing in accordance with EN 1383.

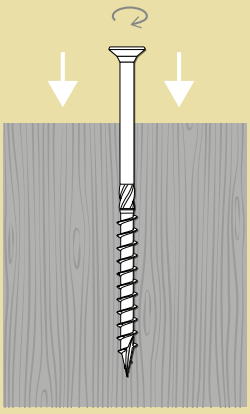
The characteristic torsional strength $f_{tor,k}$ has been determined by testing in accordance with EN ISO 10666.

The characteristic screw-in torque $R_{tor,k}$ has been determined by testing according to EN 15737. The characteristic torque factor $f_{tor,k} / R_{tor,k} \geq 1,5$ was fulfilled for all screw types.

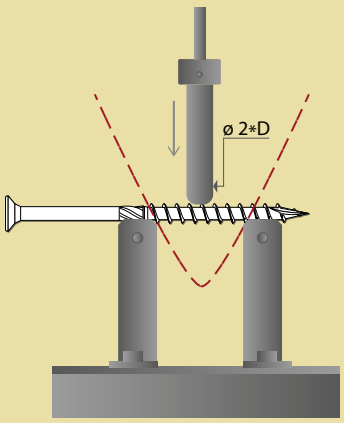
The screws have been tested in accordance with the recommendations of EAD 130118-01-0603, and the results have been checked and approved by EOTA, therefore CS, CT, WKT, WKW, CPW and CPS screws have the European Technical Assessment (ETA) and guarantee the highest quality and usability.



characteristic torsional strength $f_{tor,k}$(Nm)



screwing torque $R_{tor,k}$(Nmm)

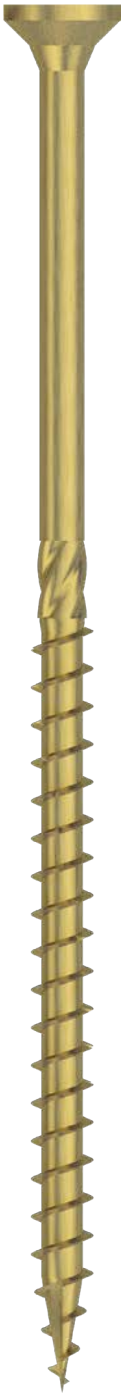


bending angle (°)

CS

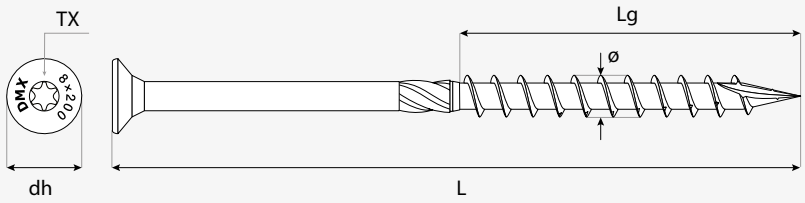
Construction screw with flat head

ETA 13/0393
ETA 16/0156
ETA 19/0474



Application: Carpentry screws intended for joining wooden structural elements. They do not require drilling and fully replace construction nails. They have a tightening effect. They are available in lengths up to 400 mm, and the length marking is located on the screw head, making work easier. The deep allows better transfer of the driving force and prevents the bit from jumping out. CS carpentry screws are perfect for wooden construction and carpentry, frame constructions, hall constructions, etc.

Material: Hardened carbon steel + yellow galvanization.



ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø3	CS 30030	●	310003	3,0	30	18	6	10	1,03	1 à 500 pcs
	CS 30035	●	3100035	3,0	35	20	6	10	1,16	1 à 500 pcs
	CS 30040	●	310004	3,0	40	24	6	10	1,26	1 à 500 pcs
ø3,5	CS 35030	●	310103	3,5	30	18	7	15	1,40	1 à 200 pcs
	CS 35035	●	3101035	3,5	35	18	7	15	1,60	1 à 200 pcs
	CS 35040	●	310104	3,5	40	18	7	15	1,80	1 à 200 pcs
	CS 35045	●	3101045	3,5	45	24	7	15	2,05	1 à 200 pcs
	CS 35050	●	310105	3,5	50	24	7	15	2,30	1 à 200 pcs
ø4	CS 40030	●	310403	4,0	30	18	8	20	1,90	1 à 200 pcs
	CS 40035	●	3104035	4,0	35	18	8	20	2,15	1 à 200 pcs
	CS 40040	●	310404	4,0	40	24	8	20	2,44	1 à 200 pcs
	CS 40045	●	3104045	4,0	45	30	8	20	2,63	1 à 200 pcs
	CS 40050	●	310405	4,0	50	30	8	20	2,87	1 à 200 pcs
	CS 40060	●	310406	4,0	60	35	8	20	3,20	1 à 200 pcs
	CS 40070	●	310407	4,0	70	40	8	20	3,71	1 à 200 pcs
	CS 40080	●	310408	4,0	80	40	8	20	4,21	1 à 200 pcs
ø4,5	CS 45030	●	310203	4,5	30	18	9	20	2,34	1 à 200 pcs
	CS 45035	●	3102035	4,5	35	18	9	20	2,66	1 à 200 pcs
	CS 45040	●	310204	4,5	40	24	9	20	2,99	1 à 200 pcs
	CS 45045	●	3102045	4,5	45	30	9	20	3,29	1 à 200 pcs
	CS 45050	●	310205	4,5	50	30	9	20	3,67	1 à 200 pcs
	CS 45060	●	310206	4,5	60	35	9	20	4,31	1 à 200 pcs
	CS 45070	●	310207	4,5	70	40	9	20	4,96	1 à 200 pcs
	CS 45080	●	310208	4,5	80	40	9	20	5,59	1 à 200 pcs
ø5	CS 05040	●	310503	5,0	40	24	10	25	3,92	1 à 200 pcs
	CS 05045	●	310504	5,0	45	27	10	25	4,35	1 à 200 pcs
	CS 05050	●	310505	5,0	50	30	10	25	4,68	1 à 200 pcs
	CS 05060	●	310506	5,0	60	36	10	25	5,62	1 à 200 pcs
	CS 05070	●	310507	5,0	70	40	10	25	6,20	1 à 200 pcs
	CS 05080	●	310508	5,0	80	40	10	25	6,95	1 à 200 pcs
	CS 05090	●	310509	5,0	90	40	10	25	7,70	1 à 200 pcs
	CS 05100	●	310510	5,0	100	60	10	25	9,10	1 à 100 pcs
	CS 05120	●	310512	5,0	120	60	10	25	10,35	1 à 100 pcs

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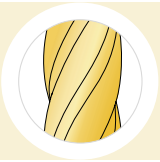
CS

Construction screw with flat head

ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø6	CS 06040	●	310604	6,0	40	30	11	30	*	*
	CS 06050	●	310605	6,0	50	30	11	30	*	*
	CS 06060	●	310606	6,0	60	36	11	30	*	*
	CS 06070	●	310607	6,0	70	40	11	30	9,42	1 à 200 pcs
	CS 06080	●	310608	6,0	80	40	11	30	10,47	1 à 200 pcs
	CS 06090	●	310609	6,0	90	50	11	30	*	*
	CS 06100	●	310610	6,0	100	80	11	30	13,46	1 à 100 pcs
	CS 06120	●	310612	6,0	120	80	11	30	15,37	1 à 100 pcs
	CS 06140	●	310614	6,0	140	80	11	30	18,00	1 à 100 pcs
	CS 06160	●	310616	6,0	160	80	11	30	20,20	1 à 100 pcs
	CS 06180	●	310618	6,0	180	80	11	30	22,10	1 à 100 pcs
	CS 06200	●	310620	6,0	200	80	11	30	24,70	1 à 100 pcs
	CS 06220	●	310622	6,0	220	80	11	30	27,00	1 à 100 pcs
	CS 06240	●	310624	6,0	240	80	11	30	29,80	1 à 100 pcs
	CS 06260	●	310626	6,0	260	80	11	30	31,00	1 à 100 pcs
	CS 06280	●	310628	6,0	280	80	11	30	34,30	1 à 100 pcs
	CS 06300	●	310630	6,0	300	80	11	30	36,50	1 à 100 pcs
ø8	CS 08050	●	310805	8,0	50	36	15	40	*	*
	CS 08060	●	310806	8,0	60	36	15	40	*	*
	CS 08070	●	310807	8,0	70	40	15	40	*	*
	CS 08080	●	310808	8,0	80	40	15	40	18,33	1 à 100 pcs
	CS 08090	●	310809	8,0	90	50	15	40	*	*
	CS 08100	●	310810	8,0	100	60	15	40	22,70	1 à 100 pcs
	CS 08120	●	310812	8,0	120	80	15	40	27,20	1 à 50 pcs
	CS 08140	●	310814	8,0	140	80	15	40	31,53	1 à 50 pcs
	CS 08160	●	310816	8,0	160	80	15	40	35,60	1 à 50 pcs
	CS 08180	●	310818	8,0	180	100	15	40	40,27	1 à 50 pcs
	CS 08200	●	310820	8,0	200	100	15	40	45,30	1 à 50 pcs
	CS 08220	●	310822	8,0	220	100	15	40	48,08	1 à 50 pcs
	CS 08240	●	310824	8,0	240	100	15	40	52,50	1 à 50 pcs
	CS 08260	●	310826	8,0	260	100	15	40	57,50	1 à 50 pcs
	CS 08280	●	310828	8,0	280	100	15	40	62,13	1 à 50 pcs
	CS 08300	●	310830	8,0	300	100	15	40	65,00	1 à 50 pcs
	CS 08320	●	310832	8,0	320	100	15	40	67,50	1 à 50 pcs
	CS 08340	●	310834	8,0	340	100	15	40	73,50	1 à 50 pcs
	CS 08360	●	310836	8,0	360	100	15	40	79,47	1 à 50 pcs
	CS 08380	●	310838	8,0	380	100	15	40	83,27	1 à 50 pcs
	CS 08400	●	310840	8,0	400	100	15	40	87,67	1 à 50 pcs
ø10	CS 10120	●	311012	10,0	120	80	18	40	40,40	1 à 50 pcs
	CS 10140	●	311014	10,0	140	80	18	40	46,87	1 à 50 pcs
	CS 10160	●	311016	10,0	160	80	18	40	53,00	1 à 50 pcs
	CS 10180	●	311018	10,0	180	80	18	40	59,07	1 à 50 pcs
	CS 10200	●	311020	10,0	200	80	18	40	65,13	1 à 50 pcs
	CS 10220	●	311022	10,0	220	80	18	40	71,00	1 à 50 pcs
	CS 10240	●	311024	10,0	240	80	18	40	78,13	1 à 50 pcs
	CS 10260	●	311026	10,0	260	80	18	40	84,07	1 à 50 pcs
	CS 10280	●	311028	10,0	280	80	18	40	90,33	1 à 50 pcs
	CS 10300	●	311030	10,0	300	80	18	40	95,40	1 à 50 pcs
	CS 10320	●	311032	10,0	320	80	18	40	102,70	1 à 50 pcs
	CS 10340	●	311034	10,0	340	80	18	40	108,60	1 à 50 pcs
	CS 10360	●	311036	10,0	360	80	18	40	114,80	1 à 50 pcs
	CS 10380	●	311038	10,0	380	80	18	40	121,20	1 à 50 pcs
	CS 10400	●	311040	10,0	400	80	18	40	129,50	1 à 50 pcs

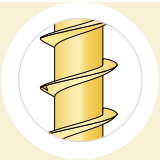
** Information available directly from the seller.*

coating:
● yellow galvanization



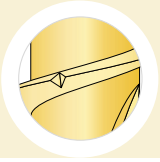
IMPROVED SMOOTH CUTTER

- the cutter is responsible for widening the hole in the fastened element
- new cutter shape eliminates chip clogging, resulting in less frictional forces
- reduced tightening torque



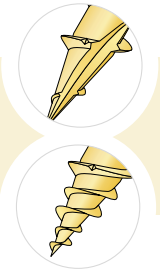
NEW EXTENDED THREAD

- change of thread length from 80 to 100 mm
- smaller thread pitch
- a longer thread combined with a reduced pitch gives more turns, resulting in greater pull-out strength made of wood and lower torque



CUTTING NOTCH

- the cutting notch is along the entire length of the thread
- is responsible for breaking the chip and cutting the wood structure during screwing



DRILLING TIP

- enables light screwing without pre-drilling

CS

Construction screw with flat head

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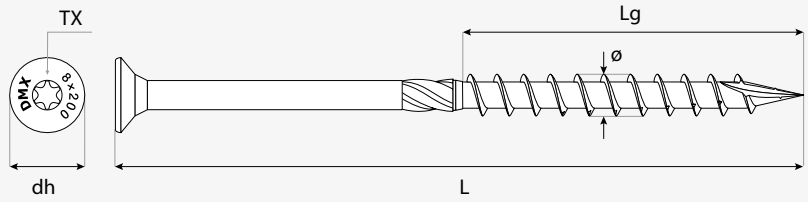

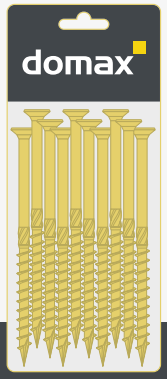

blisters

ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø3,5	CS 35030	●	3410103	3,5	30	18	7	15	64,60	40 à 10 pcs
	CS 35040	●	3410104	3,5	40	18	7	15	41,10	20 à 10 pcs
	CS 35050	●	3410105	3,5	50	24	7	15	49,80	20 à 10 pcs
ø4	CS 40030	●	3410403	4,0	30	18	8	20	36,00	20 à 10 pcs
	CS 40040	●	3410404	4,0	40	24	8	20	48,72	20 à 10 pcs
	CS 40050	●	3410405	4,0	50	30	8	20	54,40	20 à 10 pcs
	CS 40060	●	3410406	4,0	60	35	8	20	65,20	20 à 10 pcs
	CS 40070	●	3410407	4,0	70	40	8	20	74,90	20 à 10 pcs
	CS 40080	●	3410408	4,0	80	40	8	20	84,60	20 à 10 pcs
ø5	CS 05040	●	3410503	5,0	40	24	10	25	39,20	10 à 10 pcs
	CS 05050	●	3410505	5,0	50	30	10	25	46,80	10 à 10 pcs
	CS 05060	●	3410506	5,0	60	36	10	25	56,20	10 à 10 pcs
	CS 05070	●	3410507	5,0	70	40	10	25	63,70	10 à 10 pcs
	CS 05080	●	3410508	5,0	80	40	10	25	72,30	10 à 10 pcs
	CS 05100	●	3410510	5,0	100	60	10	25	91,00	10 à 10 pcs
	CS 05120	●	3410512	5,0	120	60	10	25	108,30	10 à 10 pcs
ø6	CS 06070	●	3410607	6,0	70	40	11	30	75,36	8 à 10 pcs
	CS 06080	●	3410608	6,0	80	40	11	30	83,76	8 à 10 pcs
	CS 06100	●	3410610	6,0	100	80	12	30	105,60	8 à 10 pcs
	CS 06120	●	3410612	6,0	120	80	12	30	122,96	8 à 10 pcs
	CS 06140	●	3410614	6,0	140	80	12	30	145,60	8 à 10 pcs
	CS 06160	●	3410616	6,0	160	80	12	30	162,40	8 à 10 pcs
	CS 06180	●	3410618	6,0	180	80	12	30	180,80	8 à 10 pcs
	CS 06200	●	3410620	6,0	200	80	12	30	198,40	8 à 10 pcs
	CS 06220	●	3410622	6,0	220	80	12	30	164,58	6 à 10 pcs
	CS 06240	●	3410624	6,0	240	80	12	30	178,62	6 à 10 pcs
	CS 06260	●	3410626	6,0	260	80	12	30	193,80	6 à 10 pcs
ø8	CS 08080	●	3410808	8,0	80	55	15	40	109,98	6 à 10 pcs
	CS 08100	●	3410810	8,0	100	55	15	40	136,20	6 à 10 pcs
	CS 08120	●	3410812	8,0	120	80	15	40	108,80	4 à 10 pcs
	CS 08140	●	3410814	8,0	140	80	15	40	126,12	4 à 10 pcs
	CS 08160	●	3410816	8,0	160	80	15	40	142,40	4 à 10 pcs
	CS 08180	●	3410818	8,0	180	100	15	40	161,08	4 à 10 pcs
	CS 08200	●	3410820	8,0	200	100	15	40	177,60	4 à 10 pcs
	CS 08220	●	3410822	8,0	220	100	15	40	194,12	4 à 10 pcs
	CS 08240	●	3410824	8,0	240	100	15	40	213,32	4 à 10 pcs
	CS 08260	●	3410826	8,0	260	100	15	40	230,40	4 à 10 pcs

coating:
● yellow galvanization

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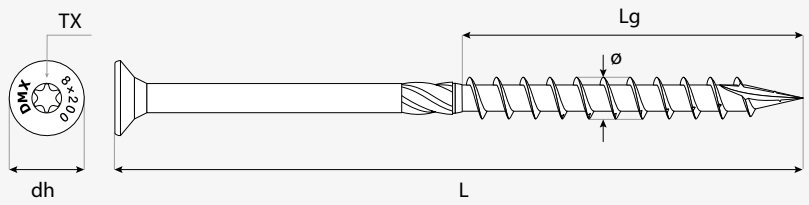
CS

Construction screw with flat head



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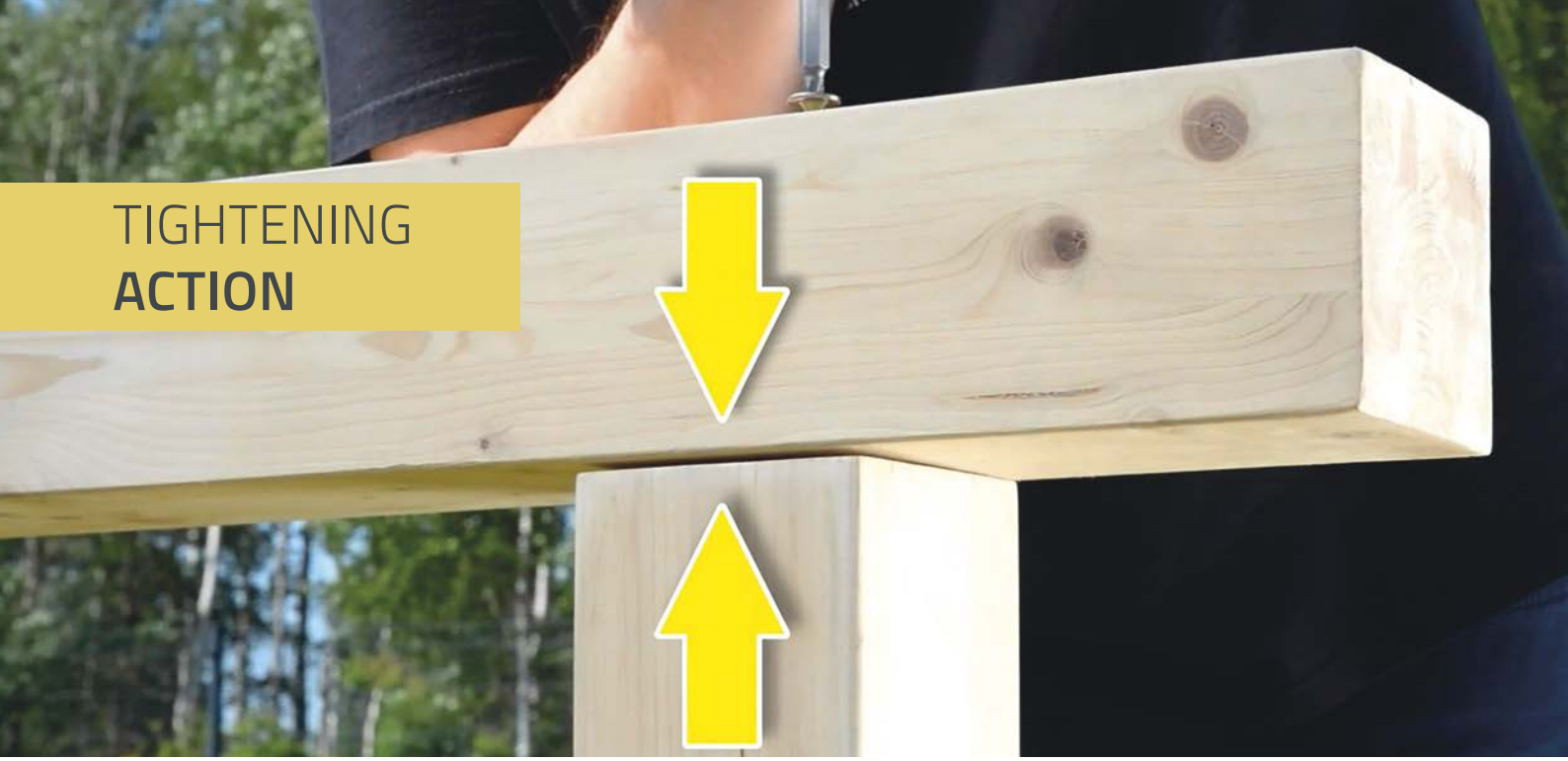
ETA 19/0474

boxes

ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]
				ø	L	Lg	dh		
ø3	CS 30030	●	315 0003	3,0	30	18	6	10	5 000
	CS 30035	●	315 00035	3,0	35	20	6	10	5 000
	CS 30040	●	315 0004	3,0	40	24	6	10	5 000
ø3,5	CS 35030	●	3150103	3,5	30	18	7	15	5 000
	CS 35035	●	31501035	3,5	35	18	7	15	5 000
	CS 35040	●	3150104	3,5	40	18	7	15	5 000
	CS 35045	●	31501045	3,5	45	24	7	15	5 000
	CS 35050	●	3150105	3,5	50	24	7	15	5 000
ø4	CS 40030	●	3150403	4,0	30	18	8	20	5 000
	CS 40035	●	31504035	4,0	35	18	8	20	5 000
	CS 40040	●	3150404	4,0	40	24	8	20	5 000
	CS 40045	●	31504045	4,0	45	30	8	20	5 000
	CS 40050	●	3150405	4,0	50	30	8	20	5 000
	CS 40060	●	3150406	4,0	60	35	8	20	5 000
	CS 40070	●	3150407	4,0	70	40	8	20	5 000
	CS 40080	●	3150408	4,0	80	40	8	20	5 000
ø4,5	CS 45030	●	3150203	4,5	30	18	9	20	5 000
	CS 45035	●	31502035	4,5	35	18	9	20	5 000
	CS 45040	●	3150204	4,5	40	24	9	20	5 000
	CS 45045	●	31502045	4,5	45	30	9	20	5 000
	CS 45050	●	3150205	4,5	50	30	9	20	5 000
	CS 45060	●	3150206	4,5	60	35	9	20	5 000
	CS 45070	●	3150207	4,5	70	40	9	20	5 000
	CS 45080	●	3150208	4,5	80	40	9	20	5 000
ø5	CS 05040	●	3150503	5,0	40	24	10	25	5 000
	CS 05045	●	3150504	5,0	45	27	10	25	5 000
	CS 05050	●	3150505	5,0	50	30	10	25	5 000
	CS 05060	●	3150506	5,0	60	36	10	25	5 000
	CS 05070	●	3150507	5,0	70	40	10	25	5 000
	CS 05080	●	3150508	5,0	80	40	10	25	5 000
	CS 05090	●	3150509	5,0	90	40	10	25	5 000
	CS 05100	●	3150510	5,0	100	60	10	25	5 000
	CS 05120	●	3150512	5,0	120	60	10	25	5 000
ø6	CS 06070	●	3150607	6,0	70	40	11	30	5 000
	CS 06080	●	3150608	6,0	80	40	11	30	5 000

coating:
● yellow galvanization



TIGHTENING **ACTION**

CS

Construction screw with flat head

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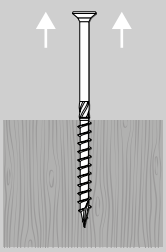
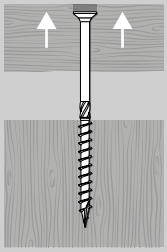
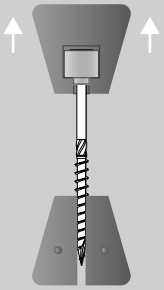
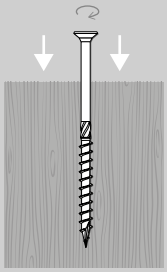
TECHNICAL DATA

CS					
ø	Length [mm]	Characteristic pull-out strength $f_{ax,k}$ (N/mm²) – radial to the wood grain	Characteristic head pull-through strength $f_{head,k}$ (N/mm²) – radial to the wood grain	Characteristic tension resistance $f_{tens,k}$ (kN)	Ratio of torsional resistance to screwing torque $f_{tor,k}/R_{tor,k}$
3,5	30–40	7,63[1)]	16,89[3)]	4,04	3,94
	45–50	12,03[1)]	16,89[3)]	4,04	3,94
4,0	30–35	6,85[1)]	13,89[3)]	5,12	4,93
	40–60	12,44[1)]	13,89[3)]	5,12	4,93
	70–80	14,7[1)]	13,89[3)]	5,12	4,93
4,5	30–40	9,91[1)]	14,59[3)]	5,94	3,85
	45–60	11,54[1)]	14,59[3)]	5,94	3,85
	70–80	14,85[1)]	14,59[3)]	5,94	3,85
5,0	40	8,21[1)]	15,41[3)]	8,83	4,25
	45	11,85[1)]	15,41[3)]	8,83	4,25
	50–90	10,91[1)]	15,41[3)]	8,83	4,25
	100–120	18,93[1)]	15,41[3)]	8,83	4,25
6,0	70–80	13,92[1)]	10,06[3)]	13,62	3,60
	100–300	22,42[1)]	10,06[3)]	13,62	3,60
8,0	80–100	14,39[1)]	19,47[3)]	20,57	7,37
	120–160	18,45[1)]	11,90[3)]	23,17	4,75
	180–400	22,05[1)]	11,90[3)]	23,17	4,75
10,0	120–400	12,15[2)]	17,60[4)]	23,80	2,10

[1)] at g=350 kg/m³ [2)] at g=450 kg/m³ [3)] at g=380 kg/m³ [4)] at g=515 kg/m³

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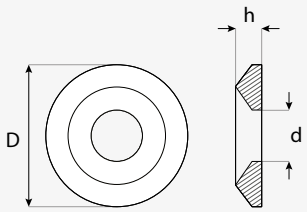
PTS

Turned conical washer

Application	Pressure washer, used for carpentry screws with countersunk head.
Material	Hardened carbon steel + yellow galvanization.



name	coat.	art no.	dimensions [mm]			weight [g]	packaging
			d	D	h		
PTS 6	●	3920	7,5	19,5	4,6	7,27	1 à 100 pcs
PTS 8	●	3921	8,5	24,5	5,4	13,33	1 à 100 pcs
PTS 10	●	3922	10,8	30,0	6,6	25,53	1 à 100 pcs

coating:
● yellow galvanization

CT

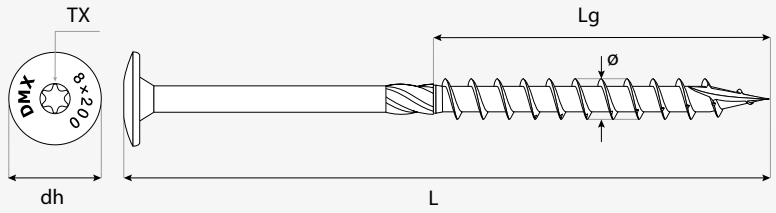
Construction screw with wafer head

ETA 13/0393
ETA 16/0156
ETA 19/0474

see tutorial video

Application: Carpentry screws with wafer head available with one of the smallest diameters on the market, intended for connecting wooden structural elements. They do not require drilling and fully replace construction nails. They have a tightening effect. They are available in lengths up to 400 mm, and the length marking is located on the screw head, making work easier. The deep TORX socket allows better transfer of the driving force and prevents the bit from jumping out. They are perfect for wooden construction and carpentry, frame constructions, hall constructions, etc.

Material: Hardened carbon steel + yellow galvanization.



ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø5	CT 05040	●	320503	5,0	40	24	13	25	4,25	1 à 200 pcs
	CT 05045	●	320504	5,0	45	27	13	25	4,64	1 à 200 pcs
	CT 05050	●	320505	5,0	50	30	13	25	5,02	1 à 200 pcs
	CT 05060	●	320506	5,0	60	36	13	25	5,79	1 à 200 pcs
	CT 05070	●	320507	5,0	70	40	13	25	6,57	1 à 200 pcs
	CT 05080	●	320508	5,0	80	40	13	25	7,38	1 à 200 pcs
	CT 05090	●	320509	5,0	90	40	13	25	8,24	1 à 150 pcs
	CT 05100	●	320510	5,0	100	60	13	25	8,98	1 à 100 pcs
	CT 05120	●	320512	5,0	120	60	13	25	10,63	1 à 100 pcs
ø6	CT 06040	●	320604	6,0	40	30	16	30	*	*
	CT 06050	●	320605	6,0	50	30	16	30	*	*
	CT 06060	●	320606	6,0	60	36	16	30	*	*
	CT 06070	●	320607	6,0	70	40	16	30	10,16	1 à 100 pcs
	CT 06080	●	320608	6,0	80	40	16	30	11,42	1 à 100 pcs
	CT 06090	●	320609	6,0	90	50	16	30	*	*
	CT 06100	●	320610	6,0	100	80	15	30	14,80	1 à 100 pcs
	CT 06120	●	320612	6,0	120	80	15	30	16,31	1 à 100 pcs
	CT 06140	●	320614	6,0	140	80	15	30	18,87	1 à 100 pcs
	CT 06160	●	320616	6,0	160	80	15	30	20,85	1 à 100 pcs
	CT 06180	●	320618	6,0	180	80	15	30	23,20	1 à 100 pcs
	CT 06200	●	320620	6,0	200	80	15	30	25,80	1 à 100 pcs
	CT 06220	●	320622	6,0	220	80	15	30	27,80	1 à 100 pcs
	CT 06240	●	320624	6,0	240	80	15	30	30,50	1 à 100 pcs
	CT 06260	●	320626	6,0	260	80	15	30	32,80	1 à 100 pcs
	CT 06280	●	320628	6,0	280	80	15	30	37,00	1 à 50 pcs
	CT 06300	●	320630	6,0	300	80	15	30	38,90	1 à 50 pcs

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CT »

Construction screw with wafer head

ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø8	CT 08050	●	320803	8,0	50	36	20	40	*	*
	CT 08060	●	320806	8,0	60	36	20	40	*	*
	CT 08070	●	320807	8,0	70	40	20	40	*	*
	CT 08080	●	320808	8,0	80	40	20	40	22,87	1 à 50 pcs
	CT 08090	●	320809	8,0	90	50	20	40	*	*
	CT 08100	●	320810	8,0	100	60	20	40	26,80	1 à 50 pcs
	CT 08120	●	320812	8,0	120	80	20	40	30,47	1 à 50 pcs
	CT 08140	●	320814	8,0	140	80	20	40	34,87	1 à 50 pcs
	CT 08160	●	320816	8,0	160	80	20	40	39,53	1 à 50 pcs
	CT 08180	●	320818	8,0	180	100	20	40	44,07	1 à 50 pcs
	CT 08200	●	320820	8,0	200	100	20	40	48,33	1 à 50 pcs
	CT 08220	●	320822	8,0	220	100	20	40	52,87	1 à 50 pcs
	CT 08240	●	320824	8,0	240	100	20	40	57,27	1 à 50 pcs
	CT 08260	●	320826	8,0	260	100	20	40	61,00	1 à 50 pcs
	CT 08280	●	320828	8,0	280	100	20	40	64,50	1 à 50 pcs
	CT 08300	●	320830	8,0	300	100	20	40	68,50	1 à 50 pcs
	CT 08320	●	320832	8,0	320	100	20	40	73,40	1 à 50 pcs
	CT 08340	●	320834	8,0	340	100	20	40	75,60	1 à 50 pcs
	CT 08360	●	320836	8,0	360	100	20	40	81,30	1 à 50 pcs
	CT 08380	●	320838	8,0	380	100	20	40	86,00	1 à 50 pcs
	CT 08400	●	320840	8,0	400	100	20	40	91,20	1 à 50 pcs
ø10	CT 10120	●	321012	10,0	120	80	24	40	44,67	1 à 50 pcs
	CT 10140	●	321014	10,0	140	80	24	40	51,60	1 à 50 pcs
	CT 10160	●	321016	10,0	160	80	24	40	56,93	1 à 50 pcs
	CT 10180	●	321018	10,0	180	80	24	40	63,27	1 à 50 pcs
	CT 10200	●	321020	10,0	200	80	24	40	69,73	1 à 50 pcs
	CT 10220	●	321022	10,0	220	80	24	40	75,73	1 à 50 pcs
	CT 10240	●	321024	10,0	240	80	24	40	84,93	1 à 25 pcs
	CT 10260	●	321026	10,0	260	80	24	40	92,40	1 à 25 pcs
	CT 10280	●	321028	10,0	280	80	24	40	97,73	1 à 25 pcs
	CT 10300	●	321030	10,0	300	80	24	40	103,20	1 à 25 pcs
	CT 10320	●	321032	10,0	320	80	24	40	109,87	1 à 25 pcs
	CT 10340	●	321034	10,0	340	80	24	40	115,20	1 à 25 pcs
	CT 10360	●	321036	10,0	360	80	24	40	122,40	1 à 25 pcs
	CT 10380	●	321038	10,0	380	80	24	40	128,27	1 à 25 pcs
	CT 10400	●	321040	10,0	400	80	24	40	134,53	1 à 25 pcs

** Information available directly from the seller.*

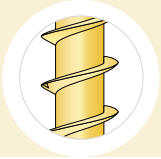
coating:
● yellow galvanization

PLATE HEAD

- recognizable appearance
- one of the smallest diameters on the market (discreet mounting)
- meets the standards for pulling the head

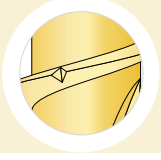
IMPROVED SMOOTH CUTTER

- the cutter is responsible for widening the hole in the fastened element
- new cutter shape eliminates chip clogging, resulting in less frictional forces
- reduced tightening torque



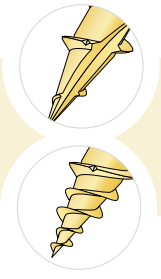
NEW EXTENDED THREAD

- change of thread length from 80 to 100 mm
- smaller thread pitch
- a longer thread combined with a reduced pitch gives more turns, resulting in greater pull-out strength made of wood and lower torque



CUTTING NOTCH

- the cutting notch is along the entire length of the thread
- is responsible for breaking the chip and cutting the wood structure during screwing



DRILLING TIP

- enables light screwing without pre-drilling

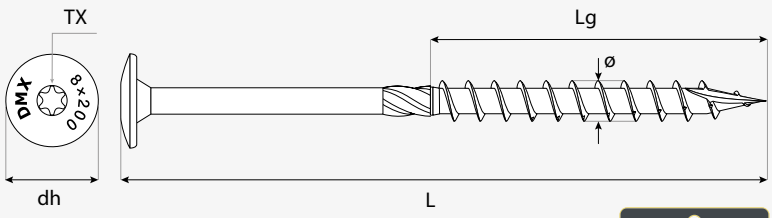
CT

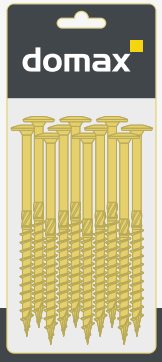
Construction screw with wafer head

ETA 13/0393
ETA 16/0156
ETA 19/0474

CONNECTING RAFTERS WITH PURLINS

TIGHTENING ACTION





blisters

ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø6	CT 06070	●	3420607	6,0	70	40	16	30	81,28	8 à 10 pcs
	CT 06080	●	3420608	6,0	80	40	16	30	91,36	8 à 10 pcs
	CT 06100	●	3420610	6,0	100	80	15	30	110,80	8 à 10 pcs
	CT 06120	●	3420612	6,0	120	80	15	30	130,48	8 à 10 pcs
	CT 06140	●	3420614	6,0	140	80	15	30	150,96	8 à 10 pcs
	CT 06160	●	3420616	6,0	160	80	15	30	169,84	8 à 10 pcs
	CT 06180	●	3420618	6,0	180	80	15	30	189,92	8 à 10 pcs
	CT 06200	●	3420620	6,0	200	80	15	30	156,48	6 à 10 pcs
	CT 06220	●	3420622	6,0	220	80	15	30	171,18	6 à 10 pcs
	CT 06240	●	3420624	6,0	240	80	15	30	180,00	6 à 10 pcs
	CT 06260	●	3420626	6,0	260	80	15	30	199,74	6 à 10 pcs
ø8	CT 08080	●	3420808	8,0	80	55	20	40	137,22	6 à 10 pcs
	CT 08100	●	3420810	8,0	100	55	20	40	160,80	6 à 10 pcs
	CT 08120	●	3420812	8,0	120	80	20	40	121,88	4 à 10 pcs
	CT 08140	●	3420814	8,0	140	80	20	40	139,48	4 à 10 pcs
	CT 08160	●	3420816	8,0	160	80	20	40	158,12	4 à 10 pcs
	CT 08180	●	3420818	8,0	180	100	20	40	176,28	4 à 10 pcs
	CT 08200	●	3420820	8,0	200	100	20	40	193,32	4 à 10 pcs
	CT 08260	●	3420826	8,0	260	100	20	40	247,20	4 à 10 pcs

coating:
● yellow galvanization

DOMAX Sp. z o. o. ■ al. Parku Krajobrazowego 109 ■ Łężyce, 84-207 Koleczkowo ■ Poland
www.domax.com

esv-07.23

domax

CT

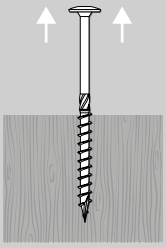
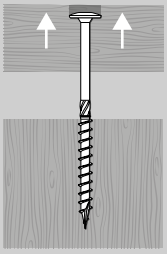
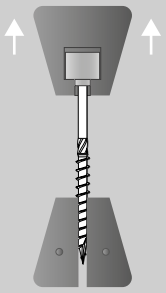
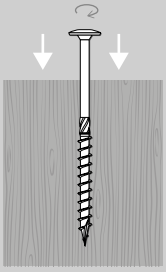
Construction screw with wafer head

CE
ETA 13/0393
ETA 16/0156
ETA 19/0474

CONNECTING THE SUPPORTING BEAM TO THE SECONDARY BEAM

CONNECTING THE WOODEN ELEMENTS OF THE CEILING

TECHNICAL DATA

CT					
ø	Length [mm]	Characteristic pull-out strength $f_{ax,k}$ (N/mm²) – radial to the wood grain	Characteristic head pull-through strength $f_{head,k}$ (N/mm²) – radial to the wood grain	Characteristic tension resistance $f_{tens,k}$ (kN)	Ratio of torsional resistance to screwing torque $f_{tor,k}/R_{tor,k}$
6,0	40	8,21[1)]	29,32[3)]	8,83	4,25
	45	11,85[1)]	29,32[3)]	8,83	4,25
	50–90	10,91[1)]	29,32[3)]	8,83	4,25
	100–120	18,93[1)]	29,32[3)]	8,83	4,25
6,0	70–160	13,92[1)]	24,74[3)]	13,31	3,76
	180–300	17,85[1)]	24,74[3)]	13,31	3,76
8,0	80–140	14,39[1)]	16,31[3)]	23,17	4,75
	160–220	18,45[1)]	16,31[3)]	23,17	4,75
	240–400	22,05[1)]	16,31[3)]	23,17	4,75
10,0	120–400	14,55[2)]	22,85[4)]	32,00	2,80

[1)] at g=350 kg/m³ [2)] at g=500 kg/m³ [3)] at g=380 kg/m³ [2)] at g=515 kg/m³

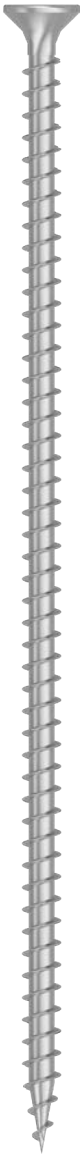
CPS

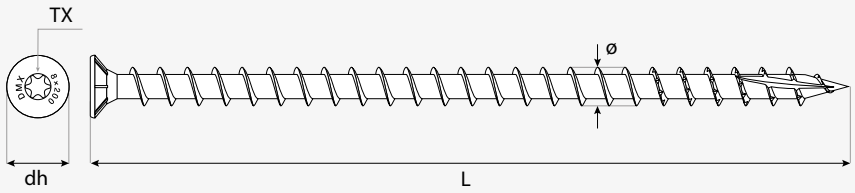
Full threaded screw with flat head

Application: Carpentry screws with a full thread and a countersunk head, designed for connecting wooden structural elements. Unlike partial-thread screws, which are mainly used for tightening elements, the full-thread screw strengthens and stiffens wooden elements, so that additional fasteners are no longer required. The advantage of countersunk head screws is the possibility of using them in structures using steel sheets. In addition, the deep TX socket allows for reliable torque transfer, and the high-strength carbon steel ensures excellent performance.

Material: Hardened carbon steel + silver galvanization.

CE
ETA 12/0471
ETA 19/0474





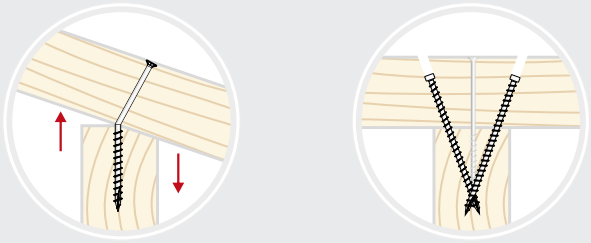
ø	name	coat.	art no.	dimensions [mm]			TX	weight [g]	packaging
				ø	L	dh			
ø8	CPS 08180	●	3510818	8,0	180	15	40	39,78	1 à 50 pcs
	CPS 08200	●	3510820	8,0	200	15	40	44,06	1 à 50 pcs
	CPS 08220	●	3510822	8,0	220	15	40	47,93	1 à 50 pcs
	CPS 08240	●	3510824	8,0	240	15	40	52,03	1 à 50 pcs
	CPS 08260	●	3510826	8,0	260	15	40	56,24	1 à 50 pcs
	CPS 08280	●	3510828	8,0	280	15	40	60,20	1 à 50 pcs
	CPS 08300	●	3510830	8,0	300	15	40	64,07	1 à 50 pcs
	CPS 08320	●	3510832	8,0	320	15	40	69,15	1 à 50 pcs
	CPS 08340	●	3510834	8,0	340	15	40	72,63	1 à 50 pcs
	CPS 08360	●	3510836	8,0	360	15	40	76,94	1 à 50 pcs
	CPS 08380	●	3510838	8,0	380	15	40	81,00	1 à 50 pcs
	CPS 08400	●	3510840	8,0	400	15	40	84,86	1 à 50 pcs
	CPS 08450	●	3510845	8,0	450	15	40	95,02	1 à 50 pcs
	CPS 08500	●	3510850	8,0	500	15	40	106,50	1 à 50 pcs
ø10	CPS 10180	●	3511018	10,0	180	18,5	50	57,77	1 à 50 pcs
	CPS 10200	●	3511020	10,0	200	18,5	50	64,16	1 à 50 pcs
	CPS 10220	●	3511022	10,0	220	18,5	50	69,16	1 à 50 pcs
	CPS 10240	●	3511024	10,0	240	18,5	50	75,42	1 à 50 pcs
	CPS 10260	●	3511026	10,0	260	18,5	50	84,29	1 à 50 pcs
	CPS 10280	●	3511028	10,0	280	18,5	50	87,46	1 à 50 pcs
	CPS 10300	●	3511030	10,0	300	18,5	50	93,27	1 à 50 pcs
	CPS 10320	●	3511032	10,0	320	18,5	50	99,64	1 à 50 pcs
	CPS 10340	●	3511034	10,0	340	18,5	50	105,52	1 à 50 pcs
	CPS 10360	●	3511036	10,0	360	18,5	50	110,15	1 à 50 pcs
	CPS 10380	●	3511038	10,0	380	18,5	50	117,44	1 à 50 pcs
	CPS 10400	●	3511040	10,0	400	18,5	50	123,67	1 à 50 pcs
	CPS 10450	●	3511045	10,0	450	18,5	50	138,58	1 à 50 pcs
	CPS 10500	●	3511050	10,0	500	18,5	50	152,80	1 à 50 pcs

coating:
● silver galvanization

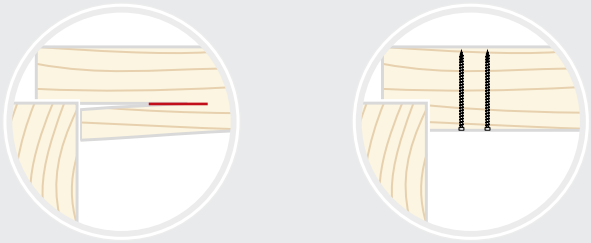
see tutorial video

CPS

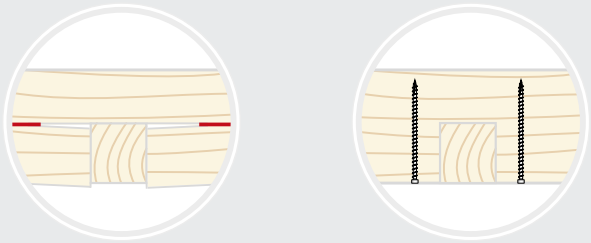
Full threaded screw with flat head



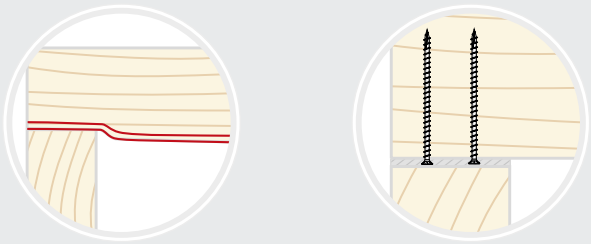
▶ STRENGTHENING THE ANGULAR JOINT



▶ PREVENTION OF CRACKING ON THE CUT LINE



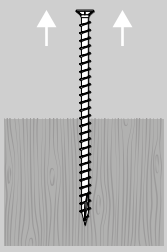
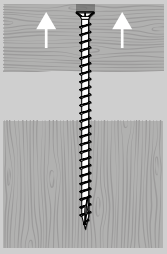
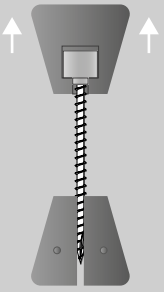
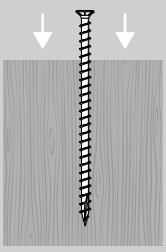
▶ STRENGTHENING THE SUSPENDED LOAD



▶ PREVENTING COMPRESSION PERCENDANEOUS TO THE FIBERS

- full thread – optimally transfers loads between connected elements (both in the case of compressive and tensile forces)
- full-thread screws, as opposed to screws with partial thread, exhibit limited movement, high stiffness and reduced ductility
- universal in use, they are perfect for both industry and crafts

TECHNICAL DATA

CPS						
Ø	Length [mm]	Characteristic pull-out strength $f_{ax,k}$ (N/mm²) – radial to the wood grain	Characteristic head pull-through strength $f_{head,k}$ (N/mm²) – radial to the wood grain	Characteristic tension resistance $f_{tens,k}$ (kN)	Ratio of torsional resistance to screwing torque $f_{tor,k}/R_{tor,k}$	
6,0	100–280	16,95[1)]	27,16[2)]	12,80	5,50	
8,0	180–500	11,00[1)]	9,40[1)]	21,00	24,00[3)]	
10,0	180–500	10,00[1)]	9,40[1)]	24,00	39,00[3)]	

[1)] at g=350 kg/m³ [2)] at g=380 kg/m³ [3)] characteristic torsional strength $f_{tor,k}$ [Nm]

CPW

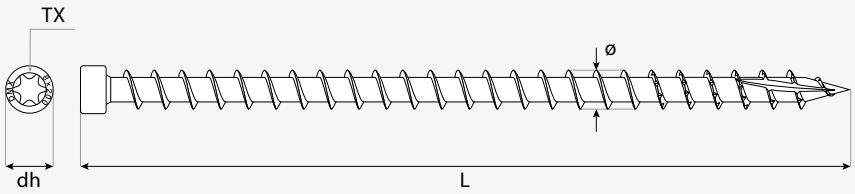
Full threaded screw with cylindrical head

ETA 12/0471
ETA 19/0474

see tutorial video

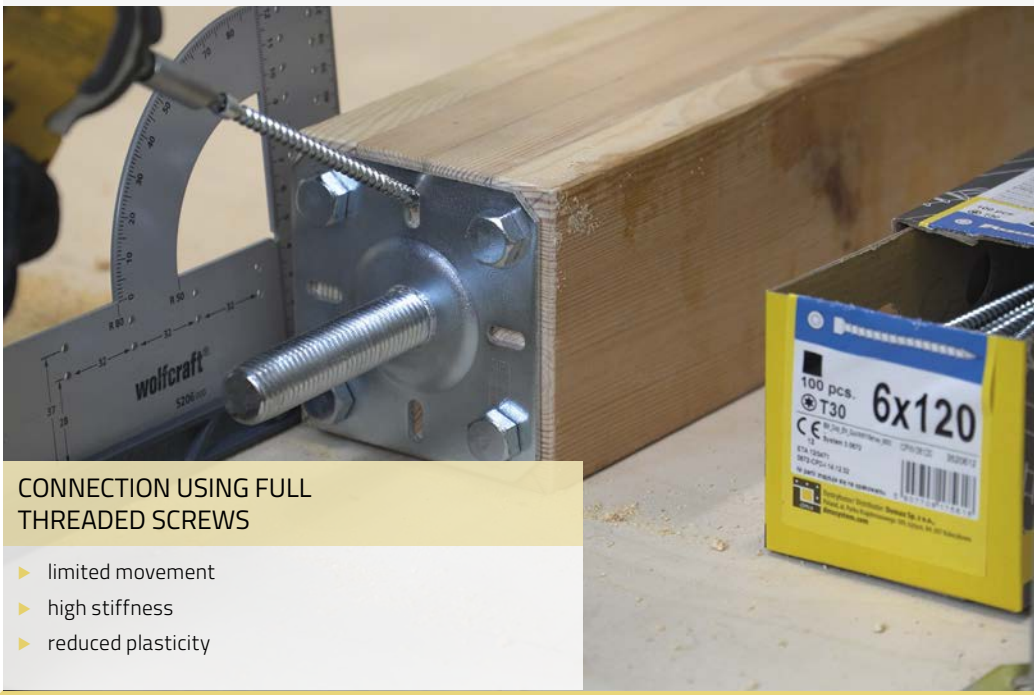
Application: Carpentry screws with full thread and cylindrical head, designed for joining wooden structural elements. Unlike partial-thread screws, which are mainly used for tightening elements, the full-thread screw strengthens and stiffens wooden elements, so that additional fasteners are no longer required. Another advantage of the CPW screws is that the cylindrical head is hidden in the wood and the connection is completely invisible, which is not possible with other fasteners. In addition, the deep TX socket allows for reliable torque transfer, and the high-strength carbon steel ensures excellent performance.

Material: Hardened carbon steel + silver galvanization.



ø	name	coat.	art no.	dimensions [mm]			TX	weight [g]	packaging
				ø	L	dh			
ø6	CPW 06100	●	3520610	6,0	100	8	30	12,40	1 à 100 pcs
	CPW 06120	●	3520612	6,0	120	8	30	15,20	1 à 100 pcs
	CPW 06140	●	3520614	6,0	140	8	30	17,31	1 à 100 pcs
	CPW 06160	●	3520616	6,0	160	8	30	19,83	1 à 100 pcs
	CPW 06180	●	3520618	6,0	180	8	30	21,88	1 à 100 pcs
	CPW 06200	●	3520620	6,0	200	8	30	23,61	1 à 100 pcs
	CPW 06220	●	3520622	6,0	220	8	30	26,40	1 à 100 pcs
	CPW 06240	●	3520624	6,0	240	8	30	28,60	1 à 100 pcs
	CPW 06260	●	3520626	6,0	260	8	30	30,90	1 à 100 pcs
	CPW 06280	●	3520628	6,0	280	8	30	33,10	1 à 100 pcs
	CPW 06300	●	3520630	6,0	300	8	30	34,35	1 à 100 pcs

coating:
● silver galvanization



CONNECTION USING FULL THREADED SCREWS

- limited movement
- high stiffness
- reduced plasticity

domax

CPW

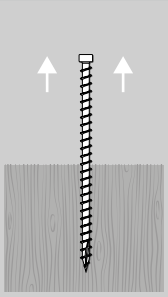
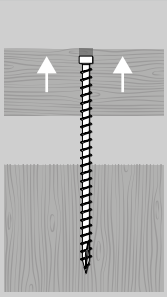
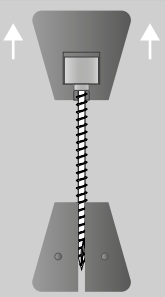
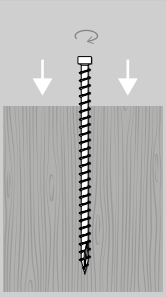
Full threaded screw with cylindrical head

▶ CONNECTING WOODEN ELEMENTS WITHOUT ADDITIONAL CONNECTORS

▶ PREVENTION OF CRACKING ON THE CUT LINE

- full thread – optimally transfers loads between connected elements (both in the case of compressive and tensile forces)
- full-thread screws, as opposed to screws with partial thread, exhibit limited movement, high stiffness and reduced ductility
- the narrow cylinder head reduces the risk of cracking, too when mounting close to the edge
- universal in use, they are perfect for both industry and crafts

TECHNICAL DATA

CPW					
Ø	Length [mm]	Characteristic pull-out strength $f_{ax,k}$ (N/mm²) – radial to the wood grain	Characteristic head pull-through strength $f_{head,k}$ (N/mm²) – radial to the wood grain	Characteristic tension resistance $f_{tens,k}$ (kN)	Ratio of torsional resistance to screwing torque $f_{tor,k}/R_{tor,k}$
6,0	100–280	16,95[1)]	60,98[1)]	12,80	5,50

[1)] *at g=350 kg/m³*

WKT

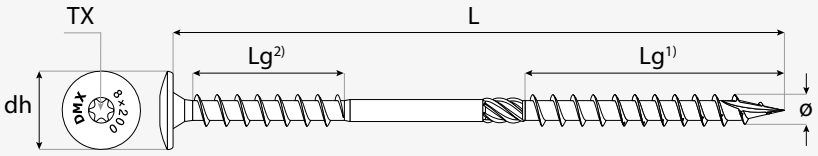
Double threaded insulation screw with wafer head

ETA 19/0474

see tutorial video

Application Screws intended for over-rafter insulation systems for wooden structures. Double thread – longer for the rafters, shorter under the head for the counter batten – eliminates the problem of exerting excessive pressure on the insulation material. Thanks to the use of a special wide plate head, we obtain a larger clamping surface and joint strength. The drill tip allows light screwing without pre-drilling. The high pull-out strength allows the use of WKT screws also in many other wooden constructions.

Material Hardened carbon steel + silver galvanization.

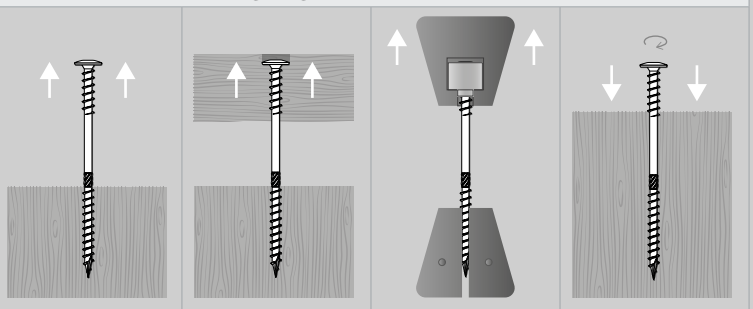


ø	name	coat.	art no.	dimensions [mm]					TX	weight [g]	packaging
				ø	L	Lg1)	Lg2)	dh			
ø8	WKT 08180	●	3320818	8,0	180	100	60	20	40	41,50	1 à 50 pcs
	WKT 08200	●	3320820	8,0	200	100	60	20	40	44,50	1 à 50 pcs
	WKT 08220	●	3320822	8,0	220	100	60	20	40	48,50	1 à 50 pcs
	WKT 08240	●	3320824	8,0	240	100	60	20	40	52,60	1 à 50 pcs
	WKT 08260	●	3320826	8,0	260	100	60	20	40	56,50	1 à 50 pcs
	WKT 08280	●	3320828	8,0	280	100	60	20	40	60,70	1 à 50 pcs
	WKT 08300	●	3320830	8,0	300	100	60	20	40	64,70	1 à 50 pcs
	WKT 08330	●	3320833	8,0	330	100	60	20	40	70,80	1 à 50 pcs
	WKT 08360	●	3320836	8,0	360	100	60	20	40	76,90	1 à 50 pcs
	WKT 08400	●	3320840	8,0	400	100	60	20	40	85,00	1 à 50 pcs

coating:
● silver galvanization

TECHNICAL DATA

WKT



ø	Length [mm]	Characteristic pull-out strength $f_{ax,k}$ (N/mm²) – radial to the wood grain	Characteristic head pull-through strength $f_{head,k}$ (N/mm²) – radial to the wood grain	Characteristic tension resistance $f_{tens,k}$ (kN)	Ratio of torsional esistance to screwing torque $f_{tor,k}/R_{tor,k}$
8,0	180–400	22,05[1)]	15,85[2)]	23,17	4,75

[1)] at g=350 kg/m³ [2)] at g=380 kg/m³

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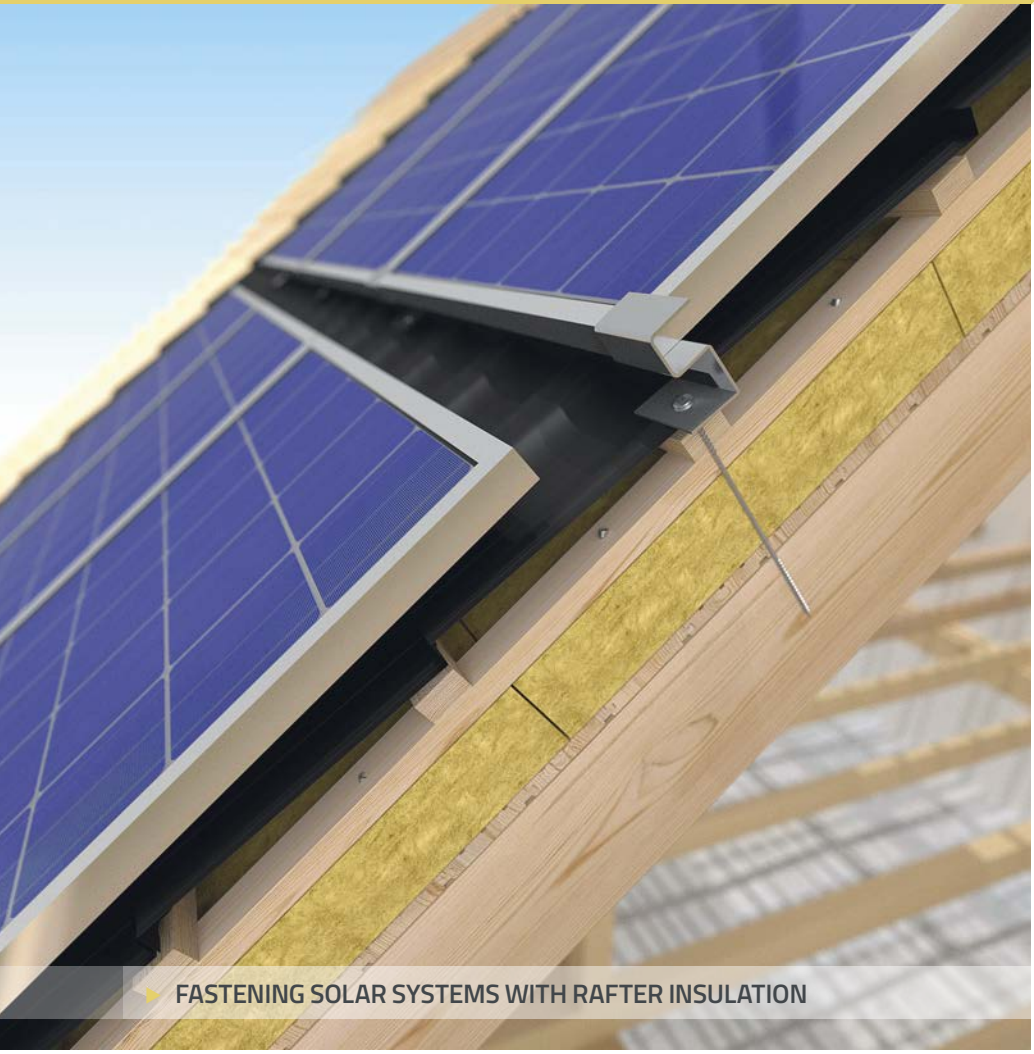


FASTENING SOLAR SYSTEMS WITH RAFTER INSULATION

WKT

Double threaded insulation screw with wafer head

SW

Screwdriving template angle 45°/67°

Application Template designed for precise screwing of carpentry screws into wooden structures at an angle of 45° or, after turning, 67°.

name	art no.	dimensions		weight [g]	packaging
		$<_1$	$<_2$		
SW 45/67	3939	45°	67°	104	1 à 8 pcs

WKW

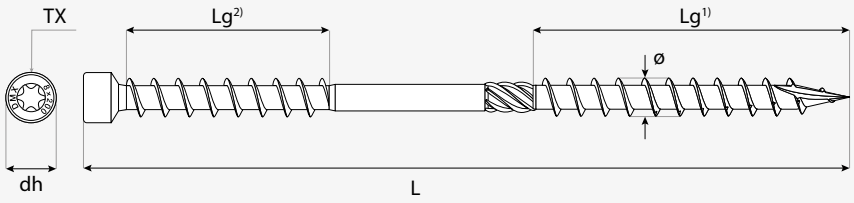
Double threaded insulation screw with cylindrical head

ETA 19/0474

see tutorial video

Application Screws intended for over-rafter insulation systems for wooden structures. Double thread – longer for the rafters, shorter under the head for the counter batten – eliminates the problem of exerting excessive pressure on the insulation material. Thanks to the use of a small cylindrical head, we gain the possibility of inserting the screw at any angle in relation to the substrate. The head is hidden in the material, without the need to enlarge the hole beforehand, and the drilling tip allows light screwing without pre-drilling. The high pull-out strength allows the use of WKW screws also in many other wooden constructions.

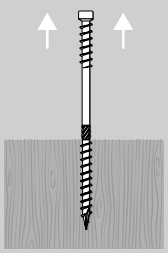
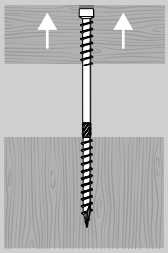
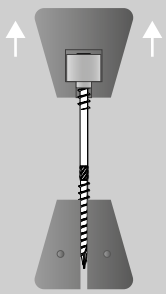
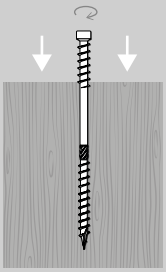
Material Hardened carbon steel + silver galvanization.



ø	name	coat.	art no.	dimensions [mm]					TX	weight [g]	packaging
				ø	L	Lg1)	Lg2)	dh			
ø8	WKW 08180	●	3310818	8,0	180	100	60	10,5	40	41,50	1 à 50 pcs
	WKW 08200	●	3310820	8,0	200	100	60	10,5	40	44,50	1 à 50 pcs
	WKW 08220	●	3310822	8,0	220	100	60	10,5	40	48,50	1 à 50 pcs
	WKW 08240	●	3310824	8,0	240	100	60	10,5	40	52,50	1 à 50 pcs
	WKW 08260	●	3310826	8,0	260	100	60	10,5	40	56,50	1 à 50 pcs
	WKW 08280	●	3310828	8,0	280	100	60	10,5	40	60,70	1 à 50 pcs
	WKW 08300	●	3310830	8,0	300	100	60	10,5	40	64,70	1 à 50 pcs
	WKW 08330	●	3310833	8,0	330	100	60	10,5	40	70,80	1 à 50 pcs
	WKW 08360	●	3310836	8,0	360	100	60	10,5	40	76,90	1 à 50 pcs
	WKW 08400	●	3310840	8,0	400	100	60	10,5	40	85,00	1 à 50 pcs

coating:
● silver galvanization

TECHNICAL DATA

WKW					
ø	Length [mm]	Characteristic pull-out strength $f_{ax,k}$ (N/mm²) – radial to the wood grain	Characteristic head pull-through strength $f_{head,k}$ (N/mm²) – radial to the wood grain	Characteristic tension resistance $f_{tens,k}$ (kN)	Ratio of torsional resistance to screwing torque $f_{tor,k}/R_{tor,k}$
8,0	180–400	22,05[1)]	38,86[2)]	23,17	4,75

[1)] at g=350 kg/m³ [2)] at g=380 kg/m³

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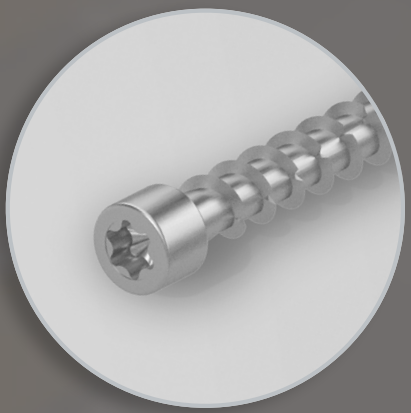
WKW

Double threaded
insulation screw
with cylindrical head

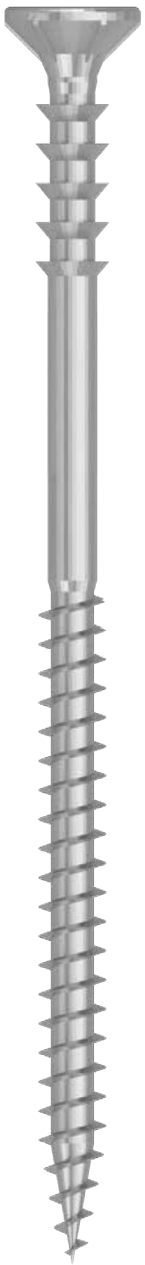


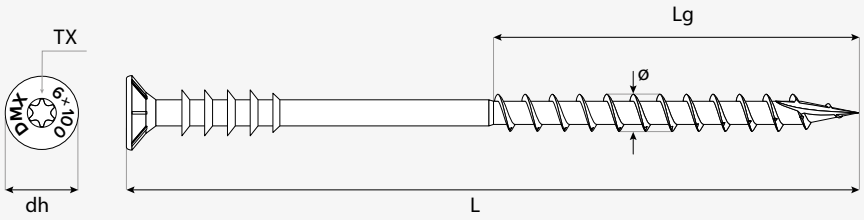
WDS

Distance screw with flat head

Application: Distance screws with countersunk head can be widely used in various kinds of wood construction. They are perfect for renovating roofs with significant offsets in the slopes, leveling battens, as well as for fixing and setting the facade vertically. They have special rings under the head for material retention and more precise adjustment, and the distance between the elements can be modified by changing the screwing direction. Thanks to their versatile use, distance screws are widely used in wooden constructions.

Material: Hardened carbon steel + silver galvanization.





ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø6	WDS 06060	●	3390606	6,0	60	30	12	30	6,45	1 à 200 pcs
	WDS 06070	●	3390607	6,0	70	40	12	30	9,43	1 à 200 pcs
	WDS 06080	●	3390608	6,0	80	50	12	30	10,48	1 à 200 pcs
	WDS 06090	●	3390609	6,0	90	50	12	30	11,64	1 à 100 pcs
	WDS 06100	●	3390610	6,0	100	60	12	30	19,60	1 à 100 pcs
	WDS 06110	●	3390611	6,0	110	60	12	30	13,80	1 à 100 pcs
	WDS 06120	●	3390612	6,0	120	60	12	30	14,95	1 à 100 pcs
	WDS 06130	●	3390613	6,0	130	60	12	30	16,11	1 à 100 pcs
	WDS 06145	●	3390614	6,0	145	60	12	30	17,85	1 à 100 pcs
	WDS 06160	●	3390616	6,0	160	60	12	30	12,64	1 à 100 pcs

coating:
● silver galvanization

see tutorial video

COUNTER HEAD DISTANCE SCREW

- drilling tip allows light screwing without pre-drilling
- TORX socket for better transfer of the screwing force
- the rings under the head for the batten allow for better retention and adjustment
- the distance between the elements can be changed at any time by changing the screwing direction
- high strength of connections for various types of wood
- universal in use

VERTICAL ELEVATION

domax

in our offer

PWG

screw-in post support

see page 102

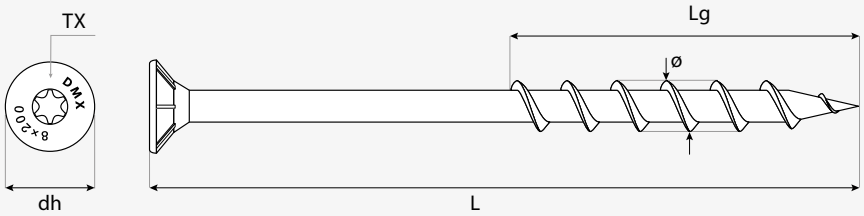
GS

Aerated concrete screw with flat head

TECHNICAL APPROVAL
070-058043

Application: Aerated concrete screws with countersunk head are an excellent alternative to traditional dowel and screw installation. They enable direct (without the need for prior drilling) mounting of fasteners in light concrete, such as aerated concrete, expanded clay concrete, siporex. They are used to fix load-bearing structures and coverings made of metal, wood or plastic (such as insulation materials) to aerated concrete.

Material: Hardened carbon steel + silver galvanization.



ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø8	GS 08065	●	3610806	8,0	65	60	12	30	12,7	1 à 50 pcs
	GS 08080	●	3610808	8,0	80	60	12	30	15,7	1 à 50 pcs
	GS 08100	●	3610810	8,0	100	90	12	30	19,4	1 à 50 pcs
	GS 08120	●	3610812	8,0	120	90	12	30	23,4	1 à 50 pcs
	GS 08140	●	3610814	8,0	140	90	12	30	27,5	1 à 50 pcs
	GS 08160	●	3610816	8,0	160	90	12	30	31,5	1 à 50 pcs
	GS 08180	●	3610818	8,0	180	90	12	30	35,6	1 à 50 pcs
	GS 08200	●	3610820	8,0	200	90	12	30	39,6	1 à 50 pcs
	GS 08220	●	3610822	8,0	220	90	12	30	43,7	1 à 50 pcs
	GS 08240	●	3610824	8,0	240	90	12	30	47,7	1 à 50 pcs

coating:
● silver galvanization

CONNECTING USING DOMAX® AERATED CONCRETE SCREWS

- screwed directly into the material – no pre-drilling required
- fixing without the use of plugs and expansion sleeves reduces the risk of damage to the walls, facilitates work and saves time
- screw provides immediate load capacity
- assembly does not require specialized equipment and can be performed using standard power tools
- hardened carbon steel guarantees high durability of the screws

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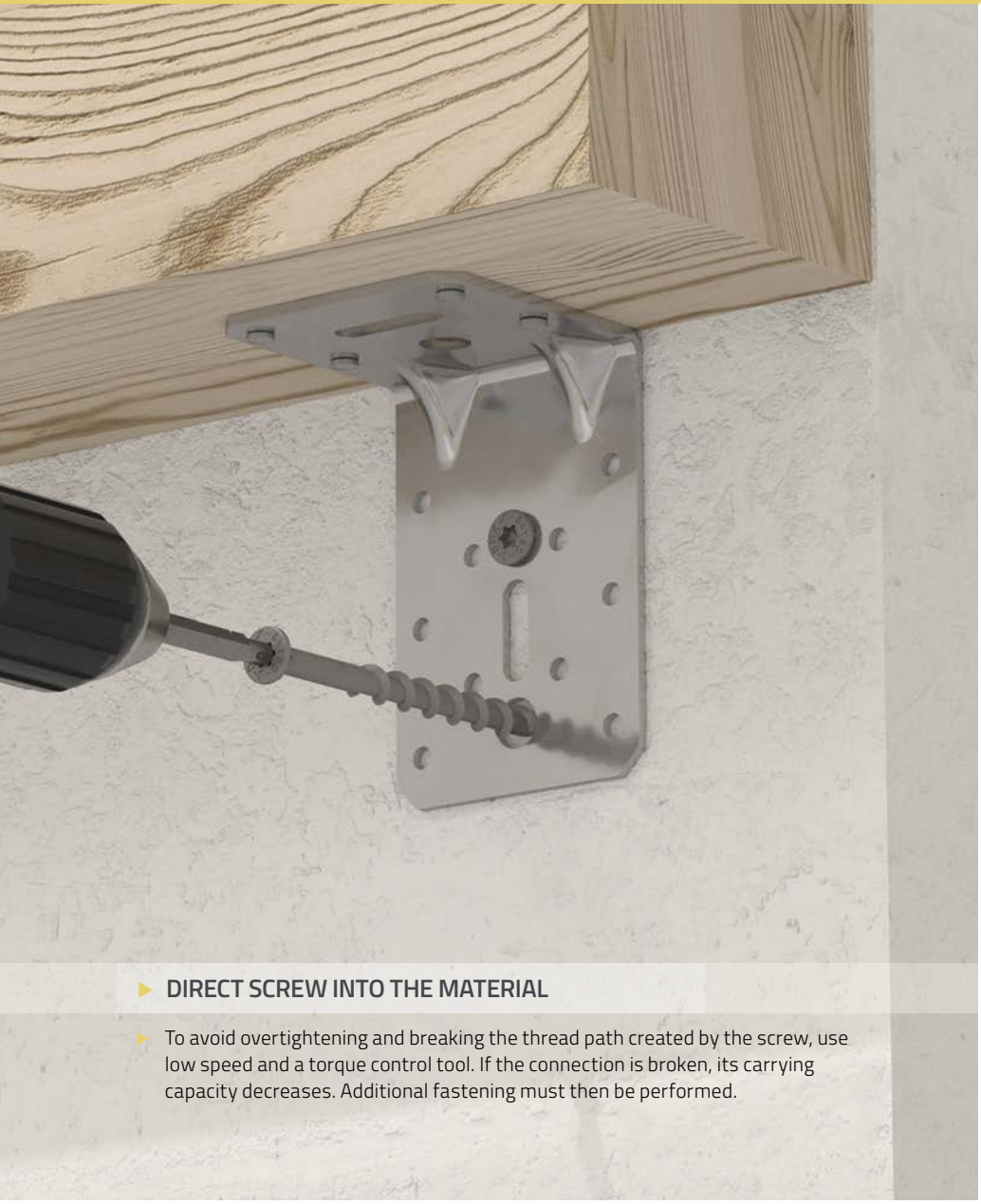
GS

Aerated concrete screw with flat head



- **DIRECT SCREW INTO THE MATERIAL**
- To avoid overtightening and breaking the thread path created by the screw, use low speed and a torque control tool. If the connection is broken, its carrying capacity decreases. Additional fastening must then be performed.

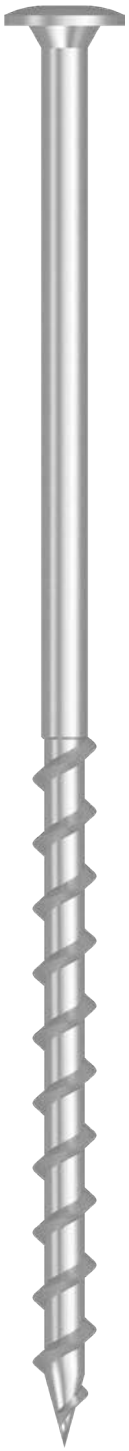
Controlled characteristic GS	Length (L) [mm]	Declared functional properties of screws
Torsional strength	65–240	28,16 Nm
Characteristic tensile strength	65–240	22,34 kN
Characteristic screw-in torque	65–240	3,37 Nm
The characteristic value of the extrusion parameter	65–80	0,26 N/mm²
	100–240	2,44 N/mm²
Characteristic moment of plasticization	65–240	threaded part – 15010 Nmm
	65–240	smooth part – 33220 Nmm
Shear strength	65–240	14,78 kN

see tutorial video

GT

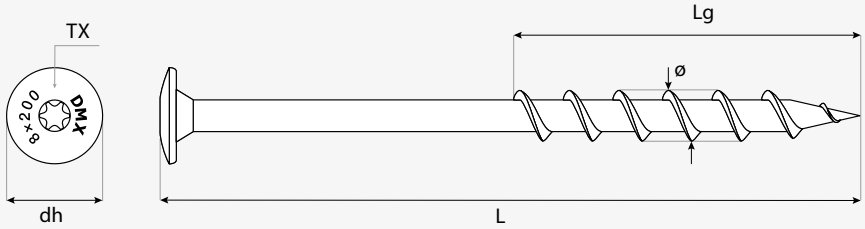
Aerated concrete screw with wafer head

TECHNICAL APPROVAL
070-058043



Application: Aerated concrete screws with wafer head are an excellent alternative to traditional installation with a pin and screw. They enable direct (without the need for prior drilling) mounting of fasteners in light concrete, such as aerated concrete, expanded clay concrete, siporex. They are used to fix load-bearing structures and coverings made of metal, wood or plastic (such as insulation materials) to aerated concrete.

Material: Hardened carbon steel + silver galvanization.



ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø8	GT 08100	●	3620810	8,0	100	90	15	30	20,70	1 à 50 pcs
	GT 08120	●	3620812	8,0	120	90	15	30	24,70	1 à 50 pcs
	GT 08140	●	3620814	8,0	140	90	15	30	28,80	1 à 50 pcs
	GT 08160	●	3620816	8,0	160	90	15	30	36,90	1 à 50 pcs
	GT 08180	●	3620818	8,0	180	90	15	30	32,80	1 à 50 pcs
	GT 08200	●	3620820	8,0	200	90	15	30	40,90	1 à 50 pcs
	GT 08220	●	3620822	8,0	220	90	15	30	45,00	1 à 50 pcs
	GT 08240	●	3620824	8,0	240	90	15	30	49,00	1 à 50 pcs
ø10	GT 10100	●	3621010	10,0	100	90	20	40	39,00	1 à 50 pcs
	GT 10120	●	3621012	10,0	120	90	20	40	33,00	1 à 50 pcs
	GT 10140	●	3621014	10,0	140	90	20	40	45,00	1 à 50 pcs
	GT 10160	●	3621016	10,0	160	90	20	40	51,00	1 à 50 pcs
	GT 10180	●	3621018	10,0	180	160	20	40	55,20	1 à 50 pcs
	GT 10200	●	3621020	10,0	200	160	20	40	61,20	1 à 50 pcs
	GT 10220	●	3621022	10,0	220	160	20	40	67,20	1 à 50 pcs
	GT 10240	●	3621024	10,0	240	160	20	40	73,20	1 à 50 pcs

coating:
● silver galvanization

CONNECTING USING DOMAX® AERATED CONCRETE SCREWS

- screwed directly into the material – no pre-drilling required
- fixing without the use of plugs and expansion sleeves reduces the risk of damage to the walls, facilitates work and saves time
- screw provides immediate load capacity
- assembly does not require specialized equipment and can be performed using standard power tools
- hardened carbon steel guarantees high durability of the screws

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GT

Aerated concrete screw with wafer head

Controlled characteristic GT	Length (L) [mm]	Declared functional properties of screws
Torsional strength	65–240	28,16 Nm
Characteristic tensile strength	65–240	22,34 kN
Characteristic screw-in torque	65–240	3,37 Nm
The characteristic value of the extrusion parameter	65–80	0,26 N/mm^2
	100–240	2,44 N/mm^2
Characteristic moment of plasticization	65–240	threaded part – 15010 Nmm
	65–240	smooth part – 33220 Nmm
Shear strength	65–240	14,78 kN

see tutorial video

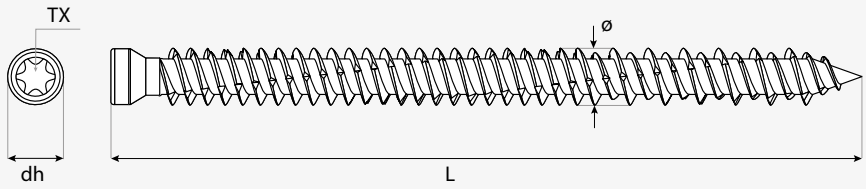
CBW

Frame screw with cylindrical head

TECHNICAL APPROVAL
070-060466

Application Frame screws with cylindrical head are perfect for fixing window frames to concrete, stone, brick or soft materials, e.g. aerated concrete. They make it possible to use one type of screw for mounting windows and doors in the wall and connecting windows into sets.

Material Hardened carbon steel + silver galvanization.



ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	dh	ø hole			
ø7,5	CBW 75052	●	3377505	7,5	52	8	6	30	9,00	1 à 200 pcs
	CBW 75072	●	3377507	7,5	72	8	6	30	13,40	1 à 100 pcs
	CBW 75092	●	3377509	7,5	92	8	6	30	16,80	1 à 100 pcs
	CBW 75112	●	3377511	7,5	112	8	6	30	20,27	1 à 100 pcs
	CBW 75132	●	3377513	7,5	132	8	6	30	23,71	1 à 100 pcs
	CBW 75152	●	3377515	7,5	152	8	6	30	27,16	1 à 100 pcs
	CBW 75182	●	3377518	7,5	182	8	6	30	32,32	1 à 100 pcs
	CBW 75212	●	3377521	7,5	212	8	6	30	37,48	1 à 100 pcs

coating:
● silver galvanization

CONNECTING USING DOMAX® FRAME SCREWS

- quick and easy assembly
- thread along the entire length of the screw
- prevents the frame from deforming and keeps it at the right distance from the wall
- different lengths of screws ensure a solid fixation even in the case of walls that are far from each other
- frame screws can be used for both very soft (aerated concrete) and very hard materials (stone, concrete)
- TORX socket for optimal power transmission

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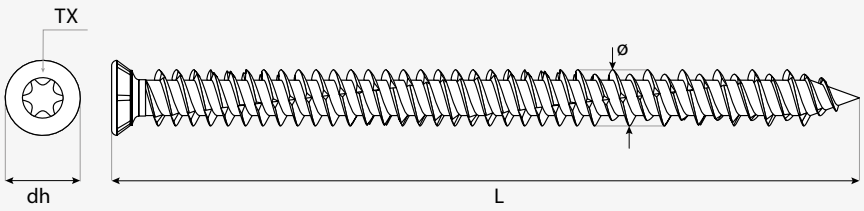
CBS

Frame screw with flat head

TECHNICAL APPROVAL
070-060466

Application: Frame screws with countersunk head are perfect for fixing window frames to concrete, stone, brick or soft materials, e.g. aerated concrete. They make it possible to use one type of screw for mounting windows and doors in the wall and connecting windows into sets.

Material: Hardened carbon steel + silver galvanization.



ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	dh	ø hole			
ø 7,5	CBS 75052	●	3377505	7,5	52	11,2	6	30	9,00	1 à 200 pcs
	CBS 75072	●	3377507	7,5	72	11,2	6	30	13,40	1 à 100 pcs
	CBS 75092	●	3377509	7,5	92	11,2	6	30	16,80	1 à 100 pcs
	CBS 75112	●	3377511	7,5	112	11,2	6	30	20,27	1 à 100 pcs
	CBS 75132	●	3377513	7,5	132	11,2	6	30	23,71	1 à 100 pcs
	CBS 75152	●	3377515	7,5	152	11,2	6	30	27,16	1 à 100 pcs
	CBS 75182	●	3377518	7,5	182	11,2	6	30	32,32	1 à 100 pcs
	CBS 75212	●	3377521	7,5	212	11,2	6	30	37,48	1 à 100 pcs

coating:
● silver galvanization

Mounting parameters of CBW and CBS screws

Parameter	Base type			
	Plain concrete [1]	Solid brick [2]	Ceramic block [3]	Aerated concrete [4]
Hole diameter d_0 equal to nominal drill diameter d_{nom} [mm]	6	6	6	–[6]
Minimum hole depth h_1 [mm]	40	50	70	–[6]
Effective anchorage depth h_{ef} [mm]	30	40	60	60
Total embedment depth h_{nom} [mm]	30	40	60	60
Tightening torque T_{inst} [Nm]	–[5]	–[5]	–[5]	–[5]
Minimum substrate thickness h_{min} [mm]	80	60	80	80
Minimum screw spacing s [mm]	90	120	180	180
Minimum distance of screws from the edge of the substrate c [mm]	45	60	190	90

[1] Plain concrete, non-cracked, reinforced or non-reinforced, class C20/25-C50/60 according to PN-EN 206:2016.
[2] Solid ceramic brick, class 15, according to PN-EN 771-1+A1:2015.
[3] Ceramic brick, porous, class 15, wall thickness 10mm, according to PN-EN 771-1+A1:2015.
[4] Autoclaved aerated concrete class 3, density 600 kg/m3, according to PN-EN 771-4+A1:2015.
[5] The screw should be screwed into the basis until it stops.
[6] In the case of aerated concrete, direct assembly should be used, without making a hole.

Characteristic resistance of door frame screw fastenings for pulling out of the substrate $N_{R,k}$ and for shearing $V_{R,k}$

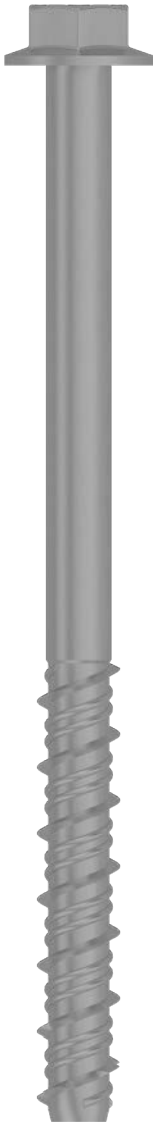
Parameter	Base type			
	Plain concrete [1]	Solid brick [2]	Ceramic block [3]	Aerated concrete [4]
Effective anchorage depth h_{ef} [mm]	30	40	60	60
Characteristic pull-out resistance $N_{R,k}$ [kN]	2,9	2,6	0,9	1
Characteristic shear resistance of a single screw $V_{Rk,s}$ [kN]	6	6	6	6

[1] Plain, non-cracked concrete, class C20/25 - C50/60, according to PN-EN 206:2016
[2] Solid ceramic bricks, class 15, according to PN-EN 771-1+A1:2015
[3] Porous ceramic bricks, class 15, with a wall thickness of 10mm, according to PN-EN 771-1+A1:2015.
[4] Autoclaved aerated concrete with a density of 600 kg/m3, class 3, according to the PN-EN 771-4+A1:2015 standard.

PBW

Concrete screw with hex head

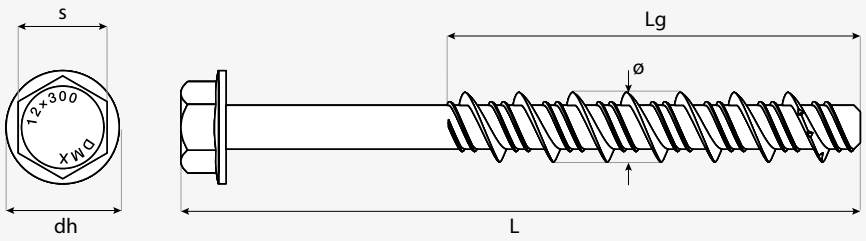
ETA 14/0374



see tutorial video

Application The concrete screw is used for fixing and anchoring in base made of concrete, natural stone, as well as in masonry elements. Installation of the screw after drilling a hole suitable for the diameter of the screw. The concrete screw does not expand, which allows you to drill holes with small distances between the edges, as well the anchors. Three different thread heights ensure a strong and secure connection.

Material Hardened carbon steel + zinc flake (lamellar).



ø	name	coat.	art no.	dimensions [mm]							weight [g]	packaging
				ø	L	Lg	dh	s	max tfix*	ø hole		
ø7,5	PBW 07060	●	3710706	7,5	60	55	14	10	5	6,0	17,00	1 à 50 pcs
	PBW 07080	●	3710708	7,5	80	55	14	10	25	6,0	21,00	1 à 50 pcs
	PBW 07100	●	3710710	7,5	100	55	14	10	45	6,0	26,00	1 à 50 pcs
	PBW 07120	●	3710712	7,5	120	55	14	10	65	6,0	32,00	1 à 50 pcs
ø10,5	PBW 10065	●	3711006	10,5	65	60	18	13	5	8,0	34,00	1 à 50 pcs
	PBW 10075	●	3711007	10,5	75	60	18	13	15	8,0	38,00	1 à 50 pcs
	PBW 10090	●	3711009	10,5	90	60	18	13	30	8,0	43,00	1 à 50 pcs
	PBW 10110	●	3711011	10,5	110	60	18	13	50	8,0	51,00	1 à 50 pcs
	PBW 10130	●	3711013	10,5	130	60	18	13	70	8,0	59,00	1 à 50 pcs
ø12,5	PBW 12075	●	3711207	12,5	75	70	22	15	5	10,0	62,00	1 à 20 pcs
	PBW 12085	●	3711208	12,5	85	70	22	15	15	10,0	67,00	1 à 20 pcs
	PBW 12100	●	3711210	12,5	100	70	22	15	30	10,0	76,00	1 à 20 pcs
	PBW 12120	●	3711212	12,5	120	70	22	15	50	10,0	90,00	1 à 20 pcs
	PBW 12140	●	3711214	12,5	140	70	22	15	70	10,0	102,00	1 à 20 pcs
	PBW 12160	●	3711216	12,5	160	70	22	15	90	10,0	113,00	1 à 20 pcs
	PBW 12200	●	3711220	12,5	200	70	22	15	130	10,0	139,00	1 à 20 pcs

** The maximum thickness of the fastened element.*

coating:
● zinc flake (lamellar)

CONNECTING USING DOMAX® HEX HEAD CONCRETE SCREW

- efficient assembly – just drill a hole and screw in the screw
- possibility of complete disassembly
- minimal expansion stresses allow to make connections at a small distance from the edge - low risk of damage of the base
- special thread geometry allows for secure and quick assembly
- an ideal screw for the assembly of temporary installations (e.g. formwork supports, scaffolding)
- we recommend screwing with an impact driver

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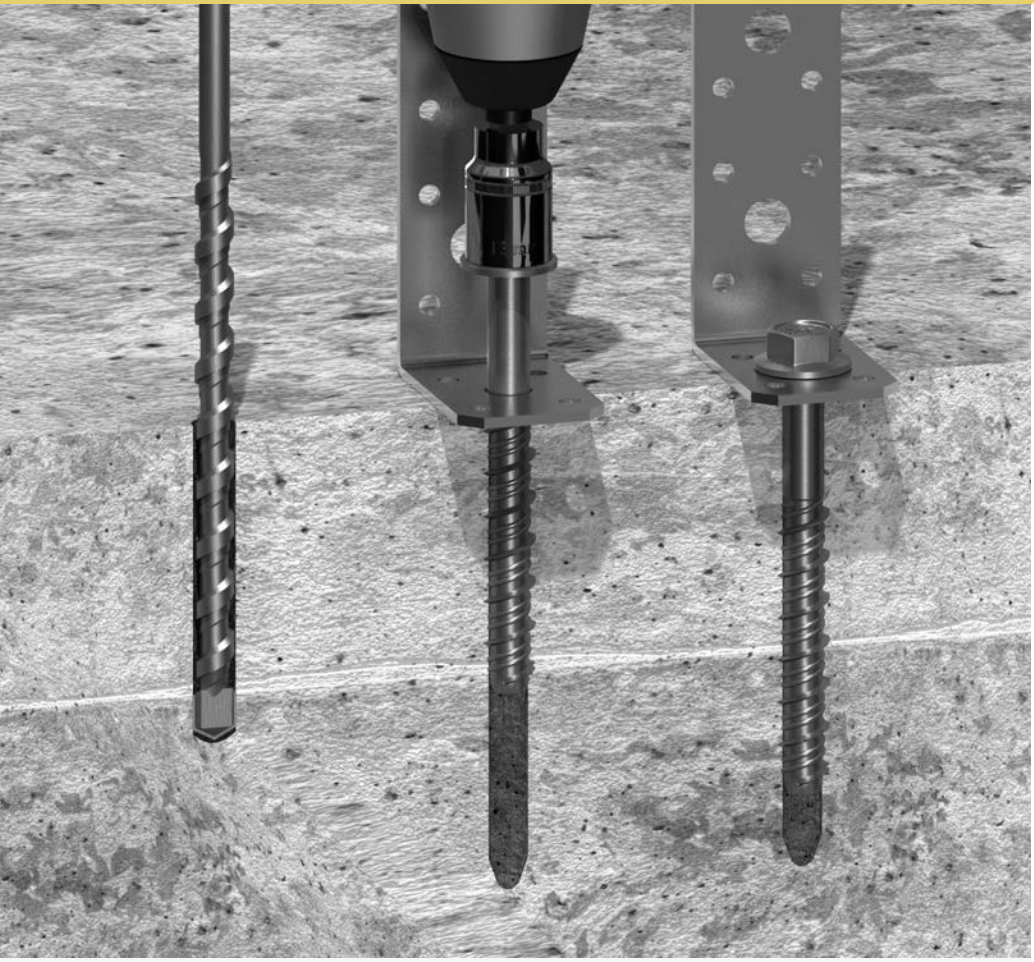


PBW

Concrete screw with hex head

For use in cracked and uncracked concrete		Diameter [mm]		
		7,5	10,5	12,5
	Characteristic tensile strength of steel [kN]	18,7	32,7	51,2
	Characteristic tensile strength C20/25 non-cracked concrete [kN]	9	12	20
	Characteristic tensile strength C20/25 cracked concrete [kN]	6	9	12
Displacements under tensile load in uncracked concrete	Service load in uncracked concrete [kN]	3,6	4,8	9,5
	Short term displacement under tensile load [mm]	0,4	0,4	0,4
	Long-term displacement under tensile load [mm]	1	1,1	1,4
Displacements under tensile load in cracked concrete	Service load in cracked concrete [kN]	2,4	3,6	5,7
	Short term displacement under tensile load [mm]	0,6	0,7	0,5
	Long-term displacement under tensile load [mm]	1,4	1,2	1,4
	Characteristic shear strength of steel – without lever arm [kN]	7,5	16,3	35,6
	Characteristic bending moment [Nm]	15,2	35,3	69,3
Displacements under shear load	Shear load in cracked and uncracked concrete	3	6,5	12,2
	Short term displacement under shear load [mm]	1,3	1,4	1,8
	Long-term displacement under shear load [mm]	2	2,1	2,7
Fire safety	Reaction to fire	A1	A1	A1

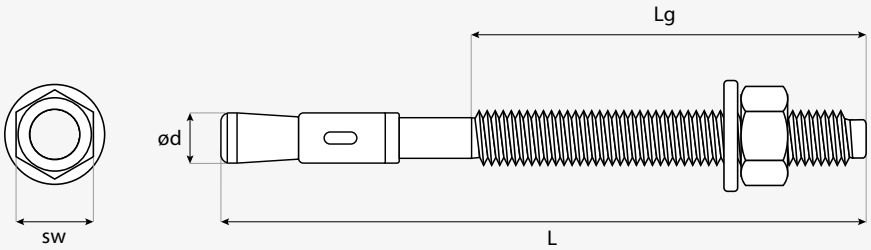
PBK

Bolt anchor

ETA 21/0811

Application Bolt anchors driven in a properly drilled hole in the concrete are mainly used for fastening in smooth and hard bases. They are intended for fixing metal profiles and structures, handrails, machines and other structural elements. The product we offer is a ring construction with a nut and a washer.

Material Hardened carbon steel + silver galvanization.



ø	name	coat.	art no.	dimensions [mm]						weight [g]	packaging
				ød	L	Lg	sw	max tfix*	ø hole		
ø6	PBK 06050	●	3720605	6	50	25	10	5	6,0	12,94	100
	PBK 06065	●	37206065	6	65	40	10	20	6,0	16,44	100
	PBK 06085	●	37206085	6	85	60	10	40	6,0	20,94	100
	PBK 06100	●	3720610	6	100	75	10	55	6,0	24,31	50
ø8	PBK 08065	●	37208065	8	65	35	13	5	8,0	30,76	50
	PBK 08075	●	37208075	8	75	35	13	15	8,0	33,82	50
	PBK 08090	●	3720809	8	90	50	13	30	8,0	39,82	50
	PBK 08100	●	3720810	8	100	60	13	40	8,0	43,82	50
	PBK 08115	●	37208115	8	115	60	13	55	8,0	48,42	50
	PBK 08130	●	3720813	8	130	70	13	70	8,0	53,94	50
ø10	PBK 10075	●	37210075	10	75	35	17	5	10,0	55,17	50
	PBK 10080	●	3721008	10	80	40	17	10	10,0	58,29	50
	PBK 10090	●	3721009	10	90	50	17	20	10,0	63,55	50
	PBK 10100	●	3721010	10	100	55	17	30	10,0	70,11	50
	PBK 10120	●	3721012	10	120	60	17	50	10,0	80,58	25
	PBK 10140	●	3721014	10	140	80	17	70	10,0	93,06	25
	PBK 10170	●	3721017	10	170	100	17	100	10,0	110,46	25
	PBK 10200	●	3721020	10	200	100	17	130	10,0	125,15	25
ø12	PBK 12090	●	3721209	12	90	45	19	5	12,0	95,96	25
	PBK 12100	●	3721210	12	100	50	19	15	12,0	103,99	25
	PBK 12120	●	3721212	12	120	70	19	35	12,0	121,99	25
	PBK 12140	●	3721214	12	140	90	19	55	12,0	139,98	25
	PBK 12160	●	3721216	12	160	100	19	75	12,0	156,04	25
	PBK 12180	●	3721218	12	180	100	19	95	12,0	170,17	25
	PBK 12200	●	3721220	12	200	100	19	115	12,0	184,28	25
	PBK 12220	●	3721222	12	220	100	19	135	12,0	198,41	20
	PBK 12240	●	3721224	12	240	100	19	155	12,0	212,53	20
ø16	PBK 16120	●	3721612	16	120	65	24	15	16,0	226,16	15
	PBK 16140	●	3721614	16	140	80	24	35	16,0	256,73	15
	PBK 16160	●	3721616	16	160	100	24	55	16,0	288,72	10
	PBK 16180	●	3721618	16	180	100	24	75	16,0	315,00	10
	PBK 16220	●	3721622	16	220	100	24	115	16,0	367,55	10
	PBK 16260	●	3721626	16	260	100	24	155	16,0	420,10	10

** The maximum thickness of the fastened element.*

blisters with anchors

ø	name	coat.	art no.	dimensions [mm]						weight [g]	packaging
				ød	L	Lg	sw	max tfix	ø hole		
ø10	PBK 70	●	38954	10	70	35	17	5	10,0	190,00	4 à 5 pcs
	PBK 90	●	38964	10	90	50	17	20	10,0	230,00	4 à 5 pcs
	PBK 120	●	38974	10	120	60	17	50	10,0	285,00	4 à 5 pcs
	PBK 150	●	38984	10	150	90	17	80	10,0	346,00	4 à 5 pcs

coating:
● silver galvanization

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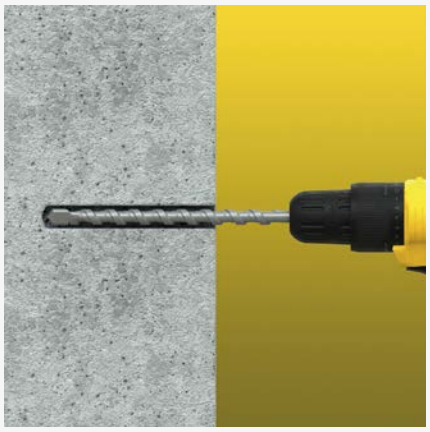
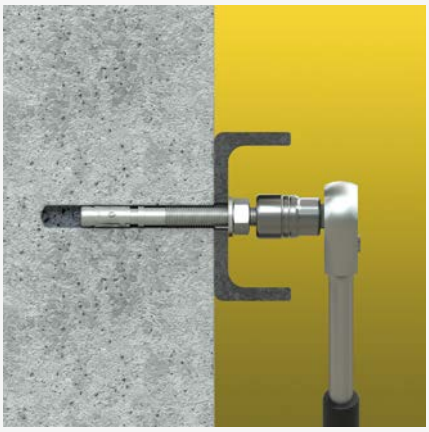
INSTALLATION IN CONCRETE



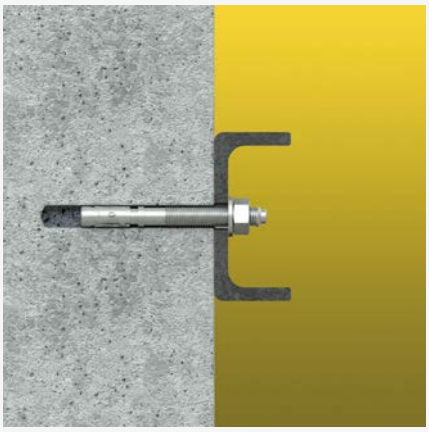
1 Drill the right size hole.

2 Clean the hole of dust and dirt (using a pump or a brush).

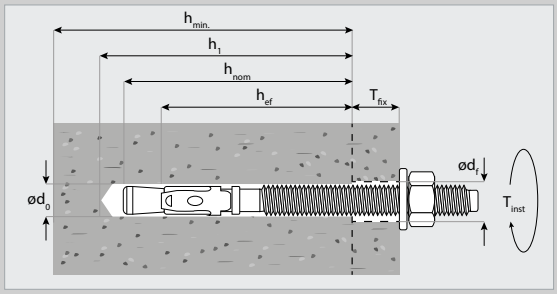
3 Place the anchor in the drilled hole.

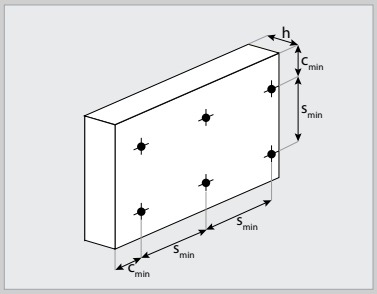


4 Place the fixture and tighten to the required torque.



5 Ready installation.





	[mm]	M6[1)]	M8	M10	M12	M16
Drill hole diameter	d_0	6	8	10	12	16
Effective anchorage depth	h_{ef}	30	40	55	65	80
Nominal embedment depth in concrete	h_{nom}	35	48	65	77	95
Minimum drill hole depth	h_1	45	60	70	85	105
The minimum thickness of the concrete element	h_{min}	100	100	110	130	160
The maximum thickness of the fastened element	$t_{fix,max}$	135	140	150	215	195
Maximum tightening torque	T_{inst}	7,5	15	30	50	100
Minimum spacing	s_{min}	35	40	50	60	80
Minimum edge distance	c_{min}	35	40	50	60	80
Edge distance	$c_{cr,sp}$	80	110	140	190	210

Distinctive durability under shear load						
Anchor size		M6	M8	M10	M12	M16
The destruction of steel without the arm of strength						
$V_{Rk,s}$	kN	4	7,3	11,6	16,9	31,4
$\gamma_{Ms,V}$	–	1,25	1,25	1,25	1,25	1,25
The destruction of steel with the arm of strength						
$M_{RK,S}$	Nm	6	15	30	52	133
$\gamma_{M,S}$	–	1,25	1,25	1,25	1,25	1,25
Breakage of concrete						
k_8	–	1	1	1	2	2
γ_{inst}	–	1,2	1,2	1	1	1
Concrete edge failure						
l_f	mm	30	40	55	65	80
d_{nom}	mm	6	8	10	12	16
$\gamma_{M,c}$	mm	1,2	1,2	1	1	1
Displacement under shear load						
V	kN	2,3	4,2	6,6	9,6	17,9
δ_{V0}	mm	1,2	0,5	0,9	1,2	1,6
$\delta_{V\infty}$	mm	1,8	0,8	1,3	1,8	2,4

Distinctive durability with a tensile load						
Anchor size		M6	M8	M10	M12	M16
Destruction of steel						
$N_{Rk,s}$	kN	5,5	10,6	17,2	28,4	51,5
$\gamma_{M,s}$	-	1,5	1,5	1,5	1,5	1,5
Destruction by tearing out						
$N_{Rk,p}$	kN	4,5	10	19	Nie jest decydujące	
γ_{inst}	-	1,2	1,2	1	1	1
Ψ_c	C30/37	1,04	1,04	1,04	1,17	1,17
	C40/50	1,07	1,07	1,07	1,32	1,32
	C50/60	1,09	1,09	1,09	1,42	1,42
Concrete cone failure and concrete splitting						
h_{ef}	mm	30	40	55	65	80
k_{ucr}	–	11	11	11	11	11
$s_{cr,N}$	mm	$3 \cdot h_{ef}$	$3 \cdot h_{ef}$	$3 \cdot h_{ef}$	$3 \cdot h_{ef}$	$3 \cdot h_{ef}$
$c_{cr,N}$	mm	$1{,}5 \cdot h_{ef}$	$1{,}5 \cdot h_{ef}$	$1{,}5 \cdot h_{ef}$	$1{,}5 \cdot h_{ef}$	$1{,}5 \cdot h_{ef}$
$s_{cr,sp}$	mm	160	220	280	380	420
$c_{cr,sp}$	mm	80	110	140	190	210
γ_{inst}	–	1,2	1,2	1	1	1
Displacement under tensile load						
N	kN	1,8	4	9	12,4	18,1
δ_{N0}	mm	0,3	0,1	0,8	1	1,7
$\delta_{N\infty}$	mm	1,1	1,1	1,1	2,1	2,1

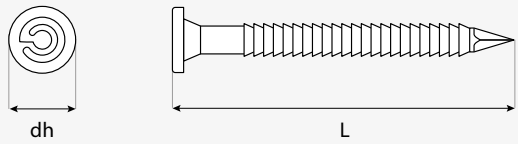
ANG

ANCHOR
carpentry nail

PN-EN 14592

Application Nails with an annular shank and a special countersunk head. Designed for fixing carpentry joints and e.g. roof hooks of drainage systems. They can be used for wooden structures both outside and inside buildings. The corrugated surface of the shank obtained with conical cuts prevents the nails from being pulled out when the structure vibrates.

Material Low carbon steel + silver galvanization.



boxes

ø	name	coat.	art no.	dimensions [mm] ø	dimensions [mm] L	weight opak. [g]	packaging
ø4	ANG 35	●	3871	4,0	35	1 033,00	1 à 261 pcs
	ANG 40	●	3872	4,0	40	1 033,00	1 à 226 pcs
	ANG 50	●	3873	4,0	50	1 033,00	1 à 195 pcs
	ANG 60	●	3874	4,0	60	1 033,00	1 à 158 pcs
	ANG 75	●	3875	4,0	75	1 033,00	1 à 113 pcs
	ANG 100	●	3876	4,0	100	1 033,00	1 à 99 pcs
	ANG 125	●	3877	4,0	125	1 033,00	1 à 80 pcs

boxes

ø	name	coat.	art no.	dimensions [mm] ø	dimensions [mm] L	weight [g]	packaging
ø4	ANG 40	●	38726	4,0	40	5 100,00	1 à 1 130 pcs
	ANG 50	●	38736	4,0	50	5 100,00	1 à 975 pcs
	ANG 60	●	38746	4,0	60	5 100,00	1 à 790 pcs

coating:
● silver galvanization

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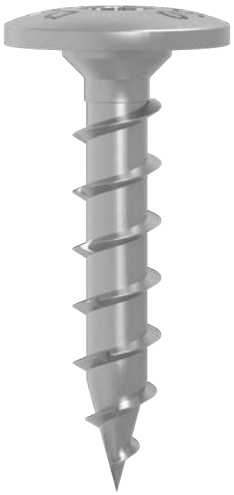
in our offer
SEK
connector for firewood stand
see page 179
dmxsystem.com

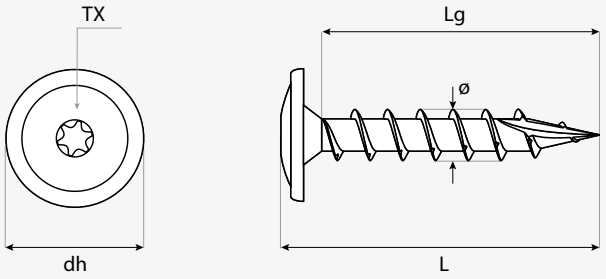
CTO

Garden architecture screw



Application: The CTO screws can be fitted with a screwdriver without pre-drilling. The enlarged plate head ensures an aesthetic appearance and durability of the connection. A durable double protective coating (zinc flake and a special paint with aluminum chips in the color of galvanized steel) prevents the penetration of corrosive agents, thanks to which CTO can be used on tannin-rich wood. We offer screws adapted to garden wood of the most popular length and diameter.

Material: Hardened carbon steel + flake zinc (lamellar), powder coated black, yellow galvanization.



ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	Lg	dh			
ø8	CTO 08040	●	320804	8,0	40	35	20	40	12,80	1 à 100 pcs
	CTO 08050	●	320805	8,0	50	45	20	40	14,82	1 à 100 pcs
	CTO 08050 C	●	3208052	8,0	50	45	20	40	14,82	1 à 50 pcs
ø10	CTO 10050	●	321005	10,0	50	45	25	40	23,21	1 à 50 pcs

coating:
- ● zinc flake (lamellar)
- ● powder coated black
- ● yellow galvanization

blisters

ø	name	coat.	art no.	dimensions [mm]					weight [g]	packaging
				ø	L	Lg	dh	TX		
ø8	CTO 08040	●	3420804	8,0	40	35	20	40	106,00	8 à 10 pcs
	CTO 08050	●	3420805	8,0	50	45	20	40	122,00	8 à 10 pcs
	CTO 08050 C	●	34208052	8,0	50	45	20	40	122,00	8 à 10 pcs
	CTO 08050 ZNZ	●	34208056	8,0	50	45	20	40	122,00	8 à 10 pcs
ø10	CTO 10050	●	3421005	10,0	50	45	25	40	162,00	8 à 10 pcs

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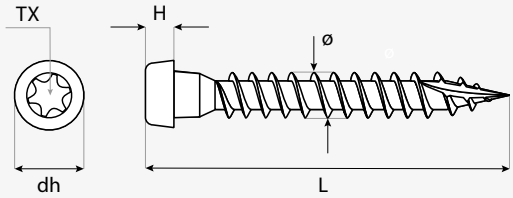
ANW

ANCHOR carpentry screw Torx socket

Application Screws for fixing wood connectors. A special sharp thread with a drill tip allows easy screwing in without pre-drilling. Provides a stable and durable connection.

Material Hardened carbon steel + silver galvanization.



ø	name	coat.	art no.	dimensions [mm]				TX	weight [g]	packaging
				ø	L	H	dh (A)			
ø5	ANW 35	●	3881	5,0	35	3	7,5	20	4,00	1 à 500 pcs
	ANW 40	●	3882	5,0	40	3	7,5	20	4,00	1 à 500 pcs
	ANW 45	●	3883	5,0	45	3	7,5	20	4,00	1 à 500 pcs

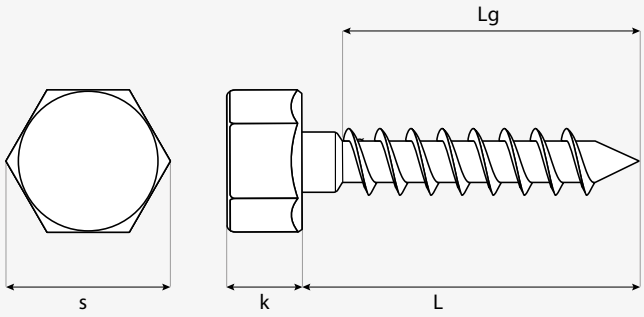
coating:
● silver galvanization

PWD

Wood screw

Application: PWD screws are intended for connecting structural elements with wooden beams, e.g. for mounting scantlings with column bases.

Material: Hardened carbon steel + silver galvanization.



ø	name	coat.	art no.	dimensions [mm]					weight [g]	packaging
				ø	L	Lg	k	s		
ø10	PWD 10/50	●	3891	10,0	50	40	6,8	17	1 030,00	1 à 33 pcs
	PWD 10/60	●	3892	10,0	60	45	6,8	17	1 025,00	1 à 29 pcs

coating:
● silver galvanization

blisters

ø	name	coat.	art no.	dimensions [mm]					weight [g]	packaging
				ø	L	Lg	k	s		
ø10	PWD 10/50	●	38914	10,0	50	40	6,8	17	144,00	4 à 5 pcs
	PWD 10/60	●	38924	10,0	60	45	6,8	17	149,00	4 à 5 pcs

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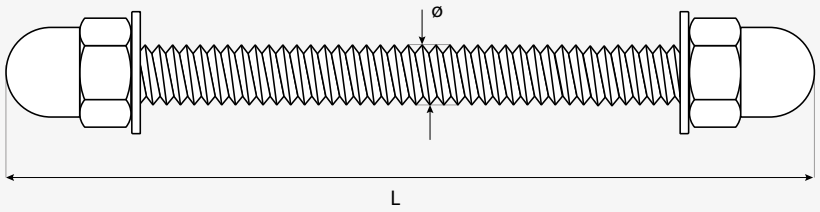
PNP

Threaded rod with nuts for post support

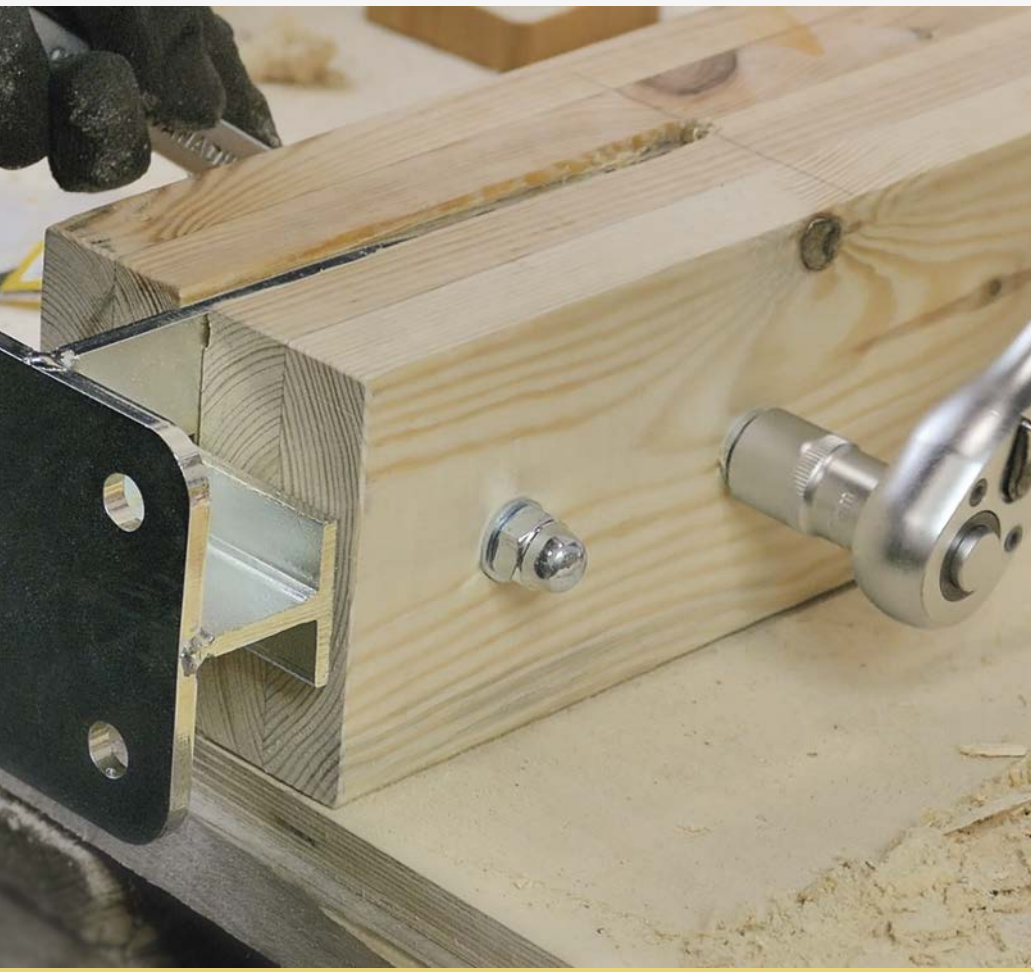
Application: Kit for mounting the post base consisting of a threaded rod, washers and cap nuts. Provides aesthetic finish of connections.

Material: Hardened carbon steel + silver galvanization.



name	coat.	art no.	dimensions [mm]		weight [g]	packaging
			ø	L		
PNP 140	●	39362	M10	140	230,00	1 à 5 pcs
PNP 160	●	39372	M10	160	250,00	1 à 5 pcs

coating:
● silver galvanization

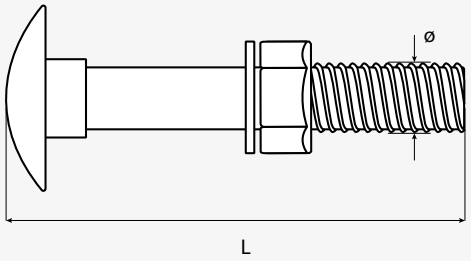


ZACB

Carriage bolt

Application: An elegantly designed carriage bolt with a nut and washer for use in connecting wooden or metal elements of garden architecture. Recommended, among others for mounting DOMAX® decorative hinges. Protected with an additional anti-corrosion layer.

Material: Silver galvanization; hardened carbon steel + partly powder coated, black.



ø	name	coat.	art no.	dimensions [mm]		weight [g]	packaging
				ø	L		
ø6	ZACB 06040 C	●	34902	6,0	40	52,00	4 à 10 pcs
	ZACB 06060 C	●	34912	6,0	60	71,00	4 à 10 pcs
ø8	ZACB 08040	○	3492	8,0	40	127,00	4 à 10 pcs
	ZACB 08040 C	●	34922	8,0	40	127,00	4 à 10 pcs
	ZACB 08060	○	3493	8,0	60	132,00	4 à 10 pcs
	ZACB 08060 C	●	34932	8,0	60	132,00	4 à 10 pcs

coating:
○ silver galvanization
● partly powder coated, black

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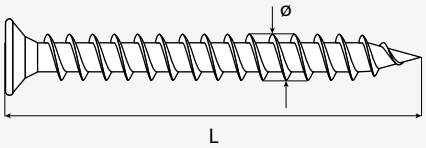
esv-07.23

ZAS

Wood screw

Application Elegant screws for fixing wooden elements of garden architecture. Recommended, among others for mounting DOMAX® decorative hinges. Protected with an additional anti-corrosion layer.

Material Hardened carbon steel + partly powder coated, black.



ø	name	coat.	art no.	dimensions [mm]		weight [g]	packaging
				ø	L		
ø4,5	ZAS 45025 C	●	34942	4,5	25	23,00	12 à 10 pcs
	ZAS 45035 C	●	34952	4,5	35	30,00	12 à 10 pcs

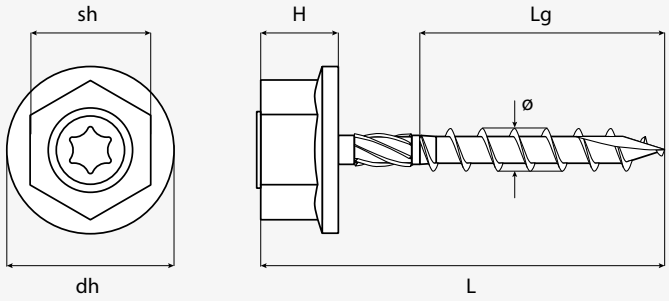
coating:
● partly powder coated, black

SDCS

Wood screw

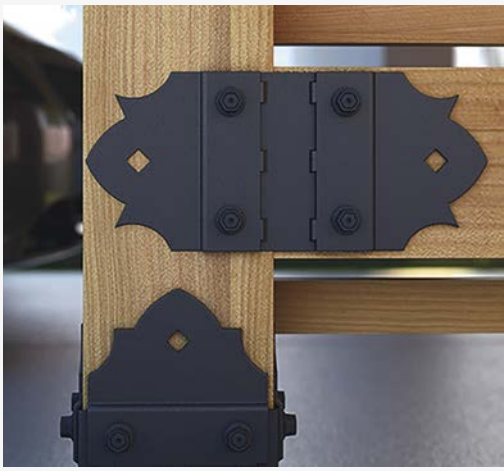
Application: Screws intended for the installation of SD decorative wood connectors system, you can easily connect the connectors with them. All screw elements are tin-plated, and the head and specially designed nut are professionally painted black, giving the connection high aesthetics.

Material: Hardened carbon steel + partly powder coated, black.



name	coat.	art no.	dimensions [mm]						weight [g]	packaging
			ø	L	Lg	H	dh	sh		
SDCS 50 C	●	38802	5,0	50	30	9,5	20,5	15	187,00	12 à 6 pcs

coating:
● partly powder coated, black



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BIT

TORX bit

Application Screwdriver tip necessary when assembling carpentry screws.
Material Hardened carbon steel.

name	art no.	bit	weight [g]	packaging
BIT TORX T10	3904	T10	4,70	1 à 10 pcs
BIT TORX T15	3905	T15	4,70	1 à 10 pcs
BIT TORX T20	3900	T20	4,70	1 à 10 pcs
BIT TORX T25	3901	T25	5,10	1 à 10 pcs
BIT TORX T30	3902	T30	5,80	1 à 10 pcs
BIT TORX T40	3903	T40	6,20	1 à 10 pcs
BIT TORX T50	3906	T50	6,20	1 à 10 pcs

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