

PRODUCT CATALOGUE

07/2018





Dear Customers,

As a reputed screw manufacturer and supplier, we are dedicated to developing innovative fastening technology for professionals. We regard our customers as an integral part of this process and we are committed to the continuous improvement and further development of our range of products and services. As well as offering technical training for specialist dealers, we also provide comprehensive support services for users – including a tailored customer care program and a free calculation service.

And we are particularly proud of the honour repeatedly bestowed upon us by our German specialist dealers, which saw us taking 1st prize in the fastening technology product line field of the „Partner for Specialist Trade Awards 2017“, for the tenth time in a row. Organised by the Working Committee for Tools („Arbeitskreis Werkzeuge“ (AKW)) of the Central Trade Association for Household Hardware („Zentralverband Hartwarenhandel e.V.“ (ZHH)), some 1,500 specialist dealers from all over Germany are invited to assess their suppliers with regard to dealer loyalty, pricing policy and their handling of complaints. We are delighted that our products and services meet the needs of the market and that our customers truly appreciate our customer-centric approach.

Our newly revised HECO product catalogue is another service module designed to make your everyday working life just that little bit easier. Clearly arranged and well-structured, it showcases the entire HECO range in all its diversity. We have grouped all our latest product innovations together in a new **chapter, „Special Timber Construction“**.

Browsing our new product catalogue, you will see that we move with the times and take full advantage of the potential of modern technology. With the **integration of QR codes**, which you will now find on many pages of this catalogue, we have added yet another very useful function. Scanning these codes with a QR code reader on your smartphone or tablet will take you straight to a link on our **YouTube channel**, where you will find easily understandable videos with practical installation tips on the respective product. As well as the QR code, the familiar Play logo also indicates availability of a product video. The HECO channel currently offers more than a dozen clips and we are constantly working to expand our offering.

As well as the printed version of our catalogue, we also recommend the PDF version of our revamped product catalogue, which you can download from our website. Scanning or simply clicking the QR code in the PDF document will take you directly to our YouTube channel, while clicking on the individual part numbers will take you to a detailed description of the selected product at **www.heco-schrauben.com**.

These technical improvements ensure that you now have access to an interactive reference book that makes it even easier to find the right product for your needs. We look forward to continuing to make your everyday tasks just a little easier with our high-quality screws.

Greetings from the Black Forest in Germany

Your HECO sales team

HISTORY



Karl Hettich – Founder of the Hettich-Family company



Ludwig Hettich – Founder of today's company HECO-Schrauben GmbH & Co. KG



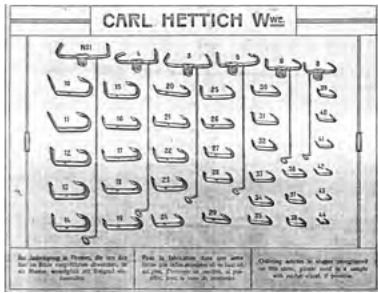
HECO-Schrauben today:

*Picture left above:
the plant in Câmpia Turzii, in Romania*

*Picture right above: the logistic
centre, Dr.-Konstantin-Hank-Str. 13,
in Schramberg-Sulgen*

*Picture left: the headquarter,
Dr.-Kurt-Steim-Str. 28,
in Schramberg-Sulgen*

1888 Karl Hettich invents a bending machine for pendulum escapements and lays the foundation for a long life of a traditional company. The whole family is recruited into its production



The beginning: the anchor escapement for Black Forest cuckoo clocks, manufactured on the bending machine developed by Karl Hettich

1936 The Hettich family firm starts with the production of screws

1967 Ludwig Hettich hives off screw production from Franz Hettich KG and found the Ludwig Hettich & Co. Schraubenfabrik

1971 The company relocates to the new production and administration building at Schramberg-Sulgen

1989 HECO establishes its inhouse manufacturing of production tools which is the base for innovative development and production of screws

1990 Launch of first self-developed universal screw HECO-FIX-plus®

2000 Launch of HECO-TOPIX® wood screw

2010 Launch of HECO-UNIX screw

The success of the firm HECO begins in the private quarters of the Schramberger inventor Karl Hettich. Here he invented a bending machine for making pendulum escapements, which were needed by the Schramberg clock industry. Following his untimely death, Karl Hettich's sons continued to build up what was by now a flourishing business.

In 1936, the Hettich company began manufacturing screws too. In **1967** Ludwig Hettich, a grandson of the company founder, hived off screw production from Franz Hettich KG and founded a new company Ludwig Hettich & Co. Schraubenfabrik: this was the birth of HECO!

Following the death of Ludwig Hettich in 1975, his eldest son, Stefan Hettich, became the fourth generation to take over management of the business. Committed to further developing the HECO brand, Stefan Hettich optimised production processes and logistics. In the year 2006 his brother Guido Hettich joins the company as secondary Managing Director.

Today more than 340 employees develop, produce and sell innovative screws and fixing elements that are known for their high standard of security, reliability and are being used worldwide.

1975 After the death of the company's founder, management of HECO passes to the next generation, Stefan Hettich

1978 The company presents the HECO-FIX® chipboard screw. The HECO brand is also born with this screw

1995 Launch of the screw anchor MULTI-MONTI® for which HECO is awarded the innovation prize of Baden-Württemberg two years later

1999 Extension of production plant area to 12,000 m²

2004 Foundation of the sales division HECO France sarl in France

2009 Foundation of the production plant S.C. HECO SCHRAUBEN S.R.L. in Romania

2014 Inauguration of the new logistic centre in Schramberg

2016 Launch of the new screw anchor MULTI-MONTI®-plus

2015 Launch of the new developed HECO-UFIX® MDF screw

2018 Launch of the new Special timber construction screw

PACKAGING



HECO®-Schrauben

PRODUCT INFORMATION

VARIANTA – boxes for professionals

- Opens to the front and serves as a chute
- Can be opened by using the perforation at the top of the box
- Label on the front – serves additionally as a security feature
- Inspection window in lid
- Width 90 mm, height 92 mm

O-boxes

- Robust corrugated cardboard
- Standardised width and height
- Width 90 mm/height 75 mm
- Clever packaging system: available up to length 500 mm in an outer carton
- 4 O-boxes per outer carton

SKV - small boxes

- Opens on the left hand side using the grip hole
- Label on the front – serves additionally as a security feature
- EAN code on the top (SKV 5 on the front – analogue VARIANTA boxes)
- Inspection window in lid
- Width 60 mm or 90 mm

Plastic boxes

- Weather resistant
- Reclosable
- Reusable
- Easy handling on the construction site

Simply clever packed

Whether for retailers, professionals, industry or Do-it-yourselfers – HECO® offers a homogenous and wide range of small, industrial and DIY packagings.

Well packed with the optimized outer carton

For SKV boxes, VARIANTA boxes and O-boxes, we have developed a clever outer-carton concept: 10 units of VARIANTA boxes, 20 or 24 units of SKV boxes and 4 units of O-boxes can be found in one outer carton. The basic dimensions of the outer cartons are always the same and are adjusted to the dimensions of a standard pallet. Only the heights of the outer cartons are variable.

Well protected against wind and rain

The varnish of all packages makes them resistant against moisture and thus perfect for the use on the construction sites.



Well packed – using the clever outer carton concept

Different packagings

- **VARIANTA – boxes for professionals**
 - VARIANTA boxes
 - O-boxes
- **SKV - small boxes**
- **Plastic boxes**



Resistant against moisture due to the varnish

VARIANTA – BOXES FOR PROFESSIONALS AND O-BOX



VARIANTA - boxes for professionals

VARIANTA				Outer carton				
Box type	Length [mm]	Width [mm]	Height [mm]	Outer carton size	Length [mm]	Width [mm]	Height [mm]	Packing units per outer carton
VAR 1	85	90	75	3	400	200	105	10
VAR 2	150	90	75	5	400	200	160	10
VAR 3	185	90	75	6	400	200	200	10



O-boxes

O-boxes				Outer carton				
Box type	Length [mm]	Width [mm]	Height [mm]	Outer carton size	Length [mm]	Width [mm]	Height [mm]	Packing units per outer carton
O190	185	90	92	3	400	200	105	4
O290	285	90	92	7	300	200	200	4
O390	385	90	92	6	400	200	200	4
O490	485	90	92	8	600	200	200	4
O590	585	90	92	8	600	200	200	4
O850	850	90	92	-	-	-	-	-
O1150	1185	90	92	-	-	-	-	-

SKV - SMALL BOXES



SKV - small boxes

SKV - small boxes				Outer carton				
Box type	Length [mm]	Width [mm]	Height [mm]	Outer carton size	Length [mm]	Width [mm]	Height [mm]	Packing units per outer carton
SKV 1	45	60	45	2	400	200	65	24
SKV 2	60	60	45	2	400	200	65	24
SKV 3	85	60	45	3	400	200	105	24
SKV 4	75	90	60	4	400	200	135	20
SKV 5	85	90	75	6	400	200	200	20

HECO® PLASTIC BOXES



Plastic boxes

Plastic box with cover				Outer carton				
Box type	Length [mm]	Width [mm]	Height [mm]	Outer carton size	Length [mm]	Width [mm]	Height [mm]	Packing units per outer carton
H1	140	122	85	9	325	260	185	8
H2	140	122	126	10	325	260	140	4
H3	198	198	140	6	400	200	200	2



Proven quality!

HECO products are up to standard

HECO screws are the embodiment of safety and reliability in fastening technology across the globe. In order to satisfy our own quality standards at all times, we subject our new developments to comprehensive tests before we bring them onto the market. In this respect HECO ensures consistently high quality and safety standards in all its products and has this certified regularly by external test centres.

An important factor in the approval process of screws is the European Technical Assessment (ETA) as a generally recognised verification of technical performance reliability for construction products. The ETA documents issued by the Technical Assessment Body (DIBt) allow us as manufacturer to apply the CE mark to our fastening products, thus ensuring their uninhibited access

to the European market. Together with the national technical approvals, these document our innovation strength and signal to customers that they can depend on the reliability and safety of HECO products.

Below we have put together a list of all the important logos which are relevant to the individual product groups in this catalogue. The following list shows all the important logos that are relevant for the individual product group of this catalogue, to give you a quick overview of the approvals which our screws have obtained, and enable you to identify the right product quickly.

EUROPEAN TECHNICAL ASSESSMENT (ETA)

For sale of fastenings throughout Europe, CE marking is required in many cases. The basis for the required CE conformity is a European Technical Assessment (ETA) which covers all the technical features of a construction product.

The corresponding declarations of performance are available for all of our products too.



ETA conformity mark for the wood screw HECO-TOPIX



ETA conformity mark for the MULTI-MONTI screw anchor: The European Technical Assessment option 1 applies for the use of the screw anchor in cracked concrete.

NATIONAL TECHNICAL APPROVAL AND THE QUALITY CONTROL SEAL



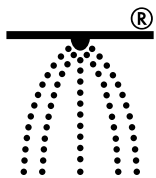
The red circle marks products and product groups which have received a national (practical) approval by the German Institute of Building Technology (DIBt). An additional supervisory control mark documents the conformity of the requirements that are defined in the relevant approval and the technical product specifications which are deposited at the DIBt. It displays the monitoring body too which insures that the relevant requirements are met.

SKH CERTIFICATION



The SKH mark is a test certificate found on the Dutch market. The association "Stichting Keuringsbureau Hout" (SKH) strives to improve quality assurance in those building sectors in which wood and wood products are used. SKH-certified products show that the manufacturer has been subjected to the Dutch inspection system and has satisfied the applicable requirements.

SPRINKLER LOGO



The MULTI-MONTI screw anchors labelled with the sprinkler logo meet the requirements of VdS Guideline CEA 4001, which defines a standard for the planning and installation of sprinkler systems.

FIRE RESISTANCE CLASS



Construction products such as the MULTI-MONTI screw anchors are categorised into different fire resistance classes depending on the period for which they can resist fire. The red flame symbol and the addition "R120" show that these products are highly fire resistant and therefore proven to be able to maintain the load-bearing capacity of a mounted component (e.g. a sprinkler system) in the case of a fire for 120 minutes.

SEISMIC EVALUATION



The seismic symbol demonstrates the reliability of our MULTI-MONTI-plus screw anchors in the case of seismic impact. Products of performance class "C1" are suitable for non-load bearing elements and products of performance class "C2" are suitable for load bearing elements in the case of minor earthquake loading in accordance with the recommendations of TR 045 of the European Organisation for Technical Approvals (EOTA). The seismic approval is a component of the ETA approval.

ADDITIONAL INFORMATION

All approval marks and Declarations of Performance on our certified HECO products are available online: www.heco-schrauben.com

Further information on the products can be found at:
www.youtube.com/HECO-Schrauben

or directly from HECO at:

Homepage: www.heco-schrauben.com

E-mail: info@heco-schrauben.de

Telephone sales: +49 (0) 74 22 / 9 89-0

Telephone technical advice and application consulting at HECO:
+49 (0) 74 22 / 9 89-205 or -212









HECO® PRODUCT CATALOGUE

To make it easier for you to find products within the catalogue we have colour-coded the 7 product groups (see overview).

In order for you to be able to navigate quicker, apart from the colour coding the abbreviation of our HECO branded products is also given, as well as CAD images of the respective screws.


COLOUR AND CORRESPONDING PRODUCT RANGE

	HECO-UNIX		Special timber construction
	HECO-UFIX®		MULTI-MONTI®-plus-Screw anchor
	HECO-FIX-plus®		HECO®-Accessories
	HECO-TOPIX®		

LAYOUT OF THE TABLES AND ABBREVIATIONS USED

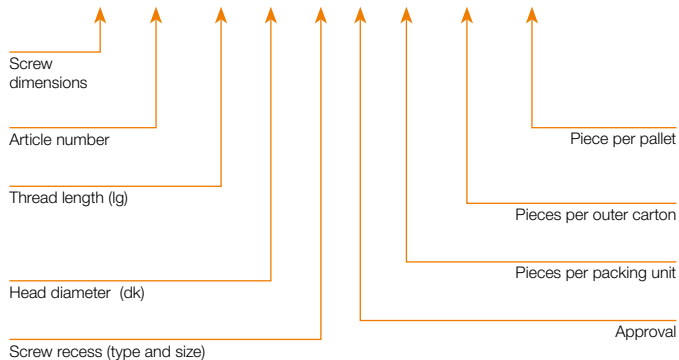
Example: HECO-UNIX

Abbreviation: **HU-top** Detailed product description: **HECO-UNIX-top**



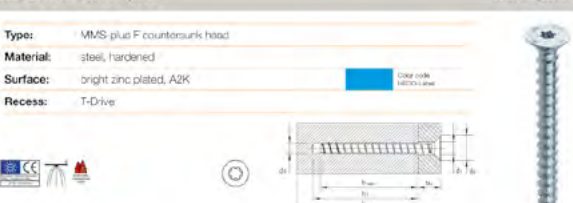
Type: countersunk head with milling grooves
Material: steel, hardened
Surface: bright zinc plated, AZK
Recess: T-Drive

Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
5,0 30	46142	25	9,6	T-25	•	500	5.300	240.000
5,0 35	46144	30	9,6	T-25	•	500	5.300	240.000
4,0 45108	35	9,6	T-25	•	500	5.300	240.000	
4,0 45105	40	9,6	T-25	•	200	2.300	96.000	
5,0 45109	45	9,6	T-25	•	200	2.300	96.000	
6,0 45109	55	9,6	T-25	•	200	2.300	96.000	
7,0 45111	65	9,6	T-25	•	200	2.300	96.000	
8,0 45113	75	9,6	T-25	•	200	2.300	96.000	
9,0 45115	85	9,6	T-25	•	200	2.300	96.000	
10,0 48906	95	9,6	T-25	•	100	1.300	48.000	
12,0 45119	115	9,6	T-25	•	100	1.300	48.000	
6,0 40	46146	35	11,7	T-30	•	200	2.300	96.000
45	46148	40	11,7	T-30	•	200	2.300	96.000
50	45121	45	11,7	T-30	•	200	2.300	96.000



Example: MULTI-MONTI®-plus screw anchor

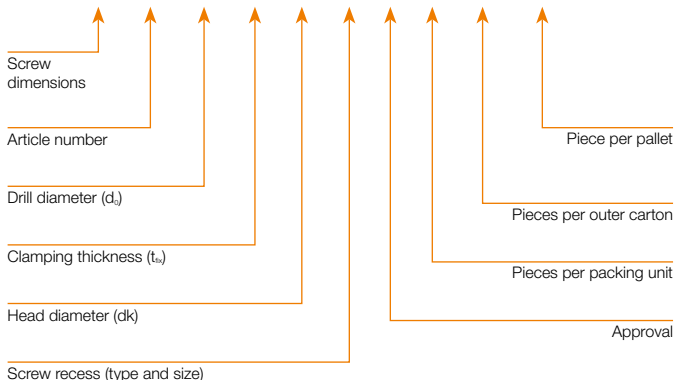
Detailed product description: **MULTI-MONTI®-plus** Abbreviation: **MMS-plus**



Type: MMS-plus F countersunk head
Material: steel, hardened
Surface: bright zinc plated, AZK
Recess: T-Drive

Size D x L [mm]	Article No.	Drill diameter d ₁ [mm]	Clamping strength t _w [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
5,0 30	27120	4,0	1	8,7	T-20		200	2.000	96.000
40	27124	4,0	5	8,7	T-20		200	2.000	96.000
50	22357	4,0	15	8,7	T-20		200	2.000	96.000
50	22589	4,0	25	8,7	T-20		200	2.000	96.000
6,0 40	48920	5,0	5	11,5	T-30	•	100	1.000	48.000
50	48436	5,0	5/15	11,5	T-30	•	100	1.000	48.000
60	48437	5,0	15/25	11,5	T-30	•	100	1.000	48.000
70	48499	5,0	25/35	11,5	T-30	•	100	1.000	48.000
80	48501	5,0	35/45	11,5	T-30	•	50	500	24.000
100	48503	5,0	55/65	11,5	T-30	•	50	500	24.000
120	48505	5,0	75/85	11,5	T-30	•	50	500	24.000
140	48507	5,0	95/105	11,5	T-30	•	50	500	24.000

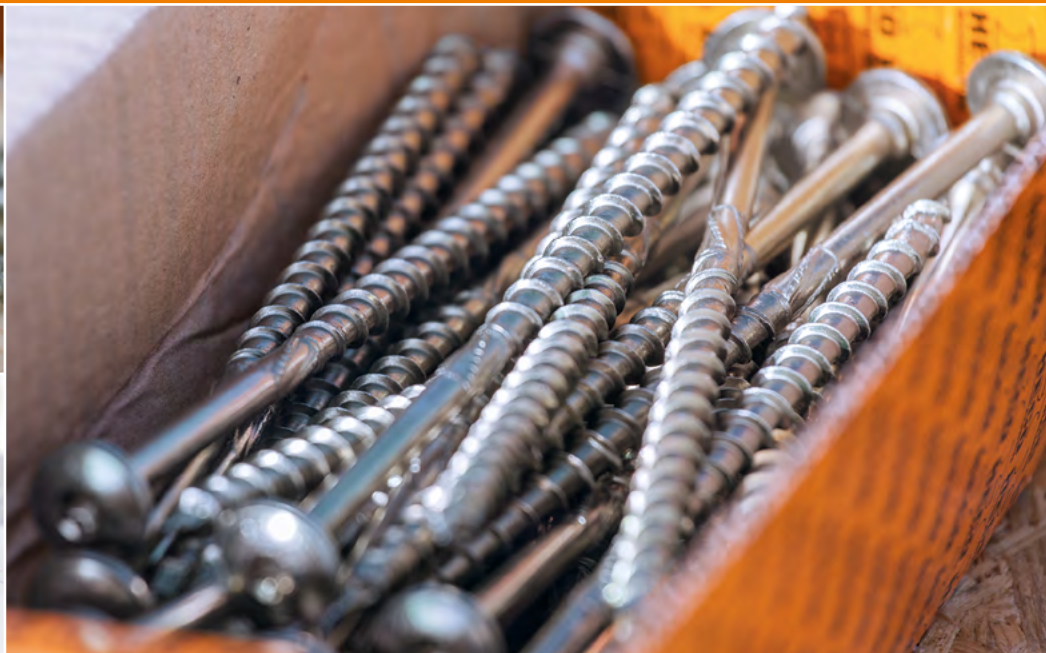
VARIANTA - BOXES FOR PROFESSIONALS



SAFE AND SECURE



HECO®-Schrauben – Innovation. Safety. Future



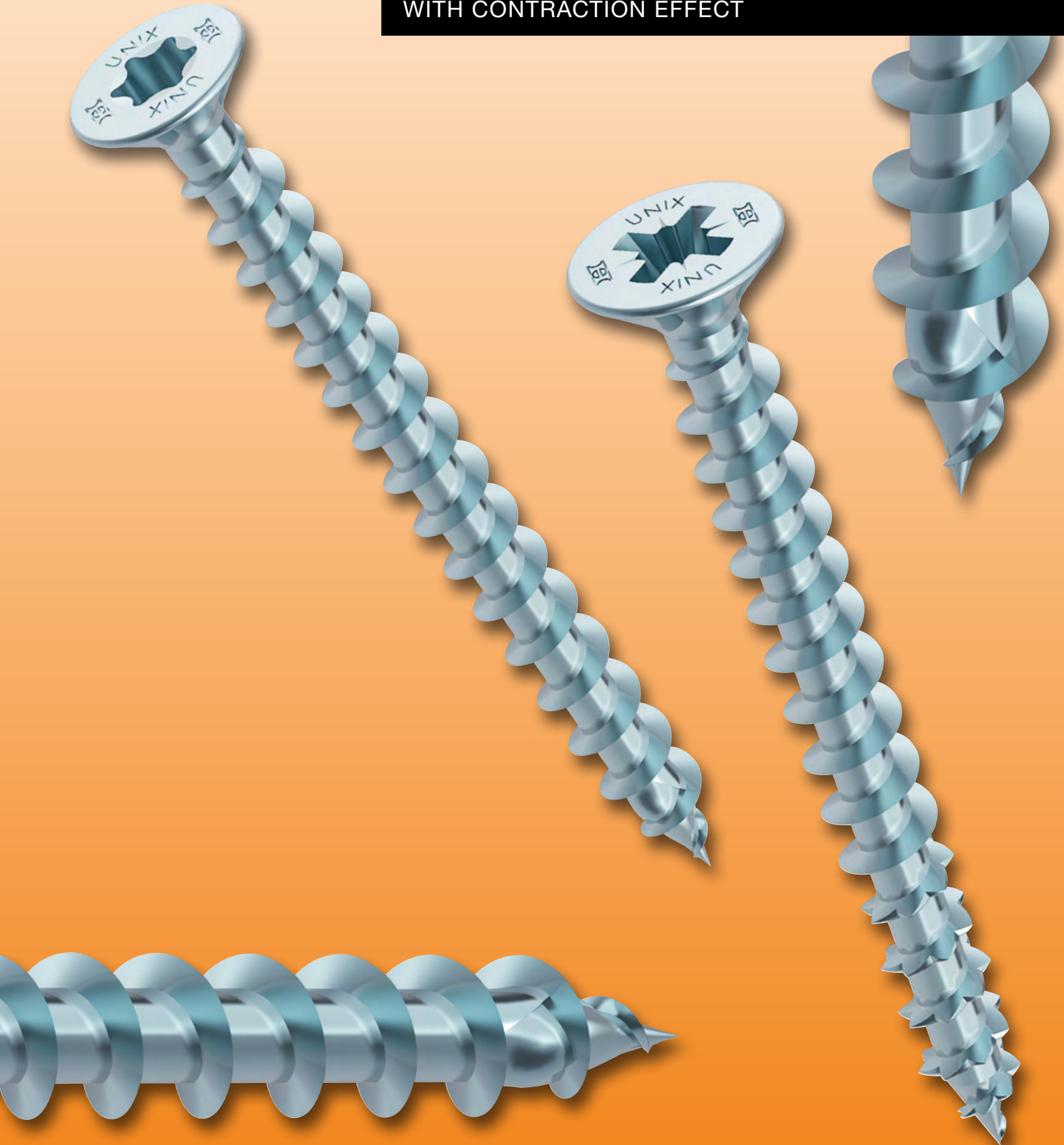
High end products for professionals





HECO-UNIX

THE UNIQUE FULLY THREADED SCREW
WITH CONTRACTION EFFECT





HECO-UNIX

PRODUCT INFORMATION

Combi screw head

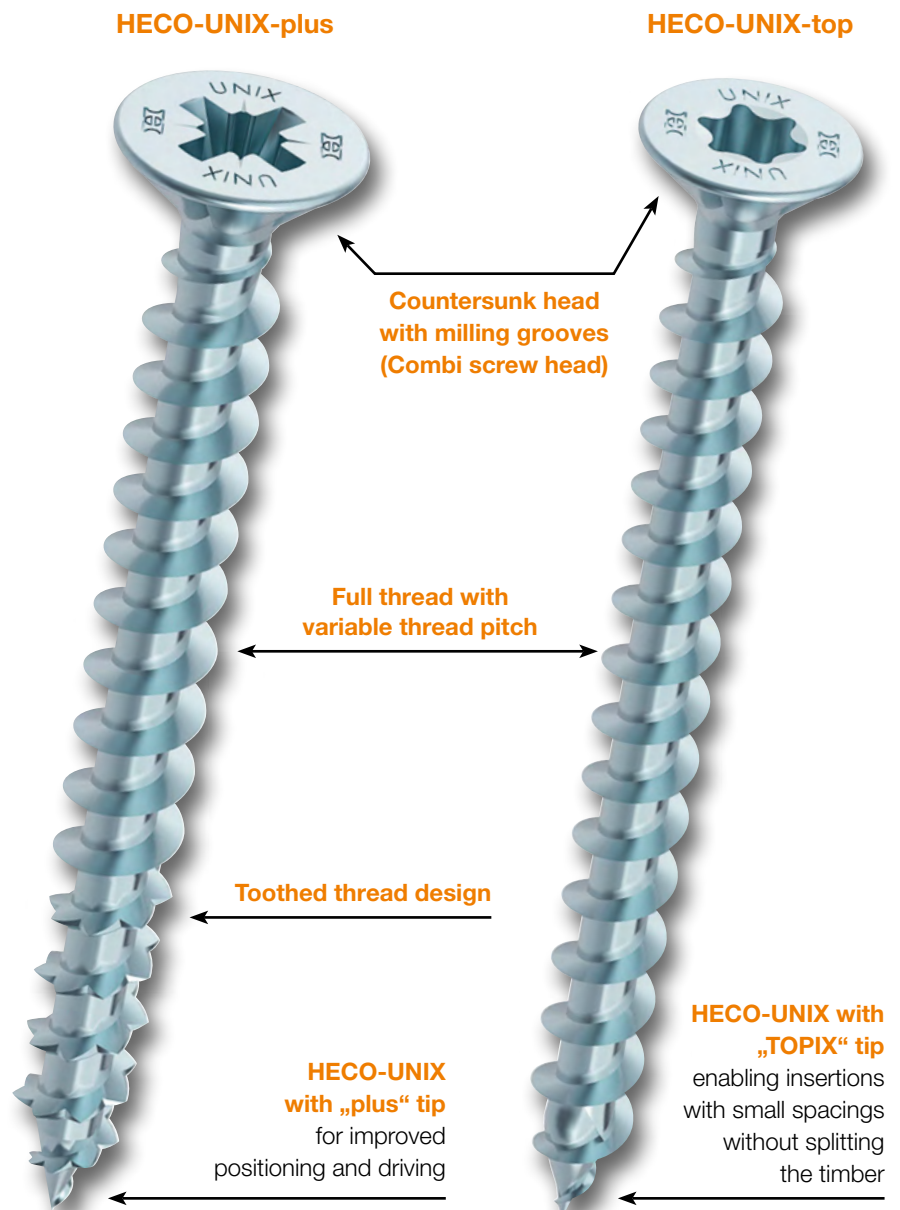
- No damage to the fitting surface
- Improved milling features in wood due to undercut milling grooves
- Perfect fit in 90° countersinkings due to countersunk head

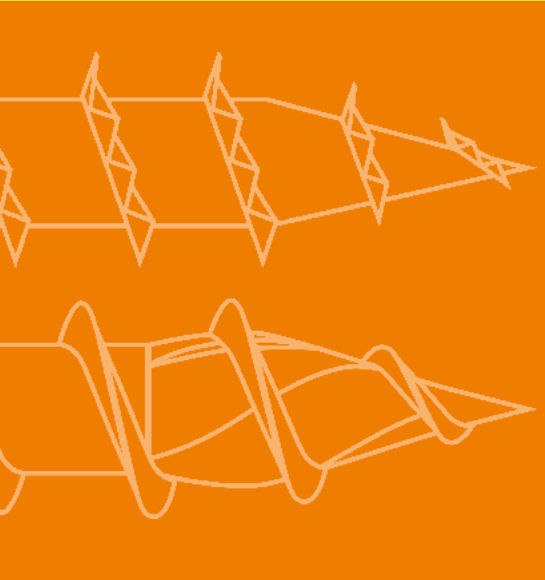
Full thread

- Variable thread contracts the components enabling gapless connection (even hard materials)
- Fixing the wood components via the thread
- Higher loads are achievable as the head does not get pulled through the fixture if the fixture thickness is $> 4 \times$ diameter
- The HECO-UNIX thread permits full and partial thread applications. This allows a reduction of the product range



The unique fully threaded screw with contraction effect





APPLICATION EXAMPLES



Wood frame construction



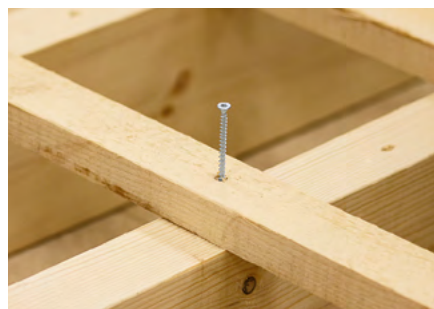
Securing fittings



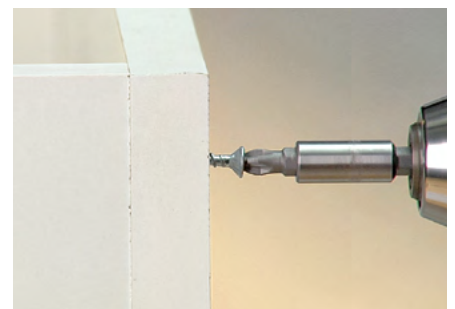
Boarding



Façade construction

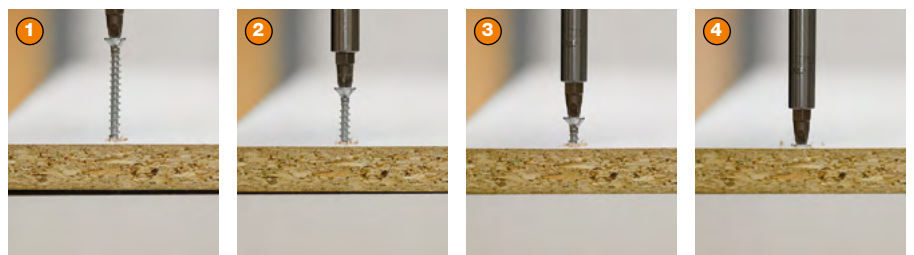


Counter battens



Carcass assembly for furniture and kitchens

CONTRACTION EFFECT



HU-plus HECO-UNIX-plus



Type: countersunk head with milling grooves

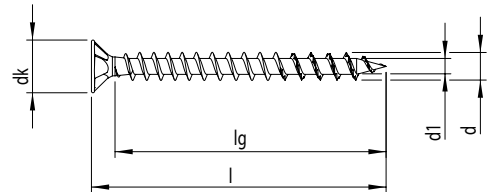
full threaded

Material: carbon steel

Surface: bright zinc plated, A2K

Color code
HECO-Label

Recess: Pozi-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

5,0	16	45936	11	9,6	PZD-2	•	1.000	10.000	480.000
	20	45938	15	9,6	PZD-2	•	500	5.000	240.000
	25	45940	20	9,6	PZD-2	•	500	5.000	240.000
	30	45177	25	9,6	PZD-2	•	500	5.000	240.000
	35	45179	30	9,6	PZD-2	•	500	5.000	240.000
	40	45181	35	9,6	PZD-2	•	500	5.000	240.000
	45	45183	40	9,6	PZD-2	•	200	2.000	96.000
	50	45185	45	9,6	PZD-2	•	200	2.000	96.000
	55	45942	50	9,6	PZD-2	•	200	2.000	96.000
	60	45187	55	9,6	PZD-2	•	200	2.000	96.000
	70	45944	65	9,6	PZD-2	•	200	2.000	96.000
	80	45189	75	9,6	PZD-2	•	200	2.000	96.000
	90	45946	85	9,6	PZD-2	•	200	2.000	96.000
	100	48804	95	9,6	PZD-2	•	100	1.000	48.000
120	45950	115	9,6	PZD-2	•	100	1.000	48.000	
6,0	30	45953	24	11,7	PZD-3	•	200	2.000	96.000
	35	45191	29	11,7	PZD-3	•	200	2.000	96.000
	40	45193	34	11,7	PZD-3	•	200	2.000	96.000
	45	45195	39	11,7	PZD-3	•	200	2.000	96.000
	50	45197	44	11,7	PZD-3	•	200	2.000	96.000
	55	45954	49	11,7	PZD-3	•	200	2.000	96.000
	60	45199	54	11,7	PZD-3	•	200	2.000	96.000
	70	45957	64	11,7	PZD-3	•	200	2.000	96.000
	80	45201	74	11,7	PZD-3	•	100	1.000	48.000
	90	45959	84	11,7	PZD-3	•	100	1.000	48.000
	100	45203	94	11,7	PZD-3	•	100	1.000	48.000
	110	45961	104	11,7	PZD-3	•	100	1.000	48.000
120	45205	114	11,7	PZD-3	•	100	1.000	48.000	

Type: countersunk head with milling grooves

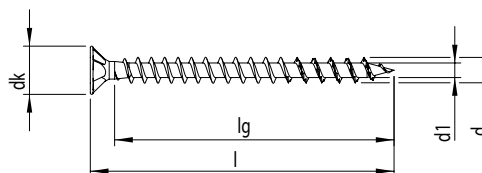
full threaded

Material: carbon steel

Surface: bright zinc plated, A2K

Color code
HECO-Label

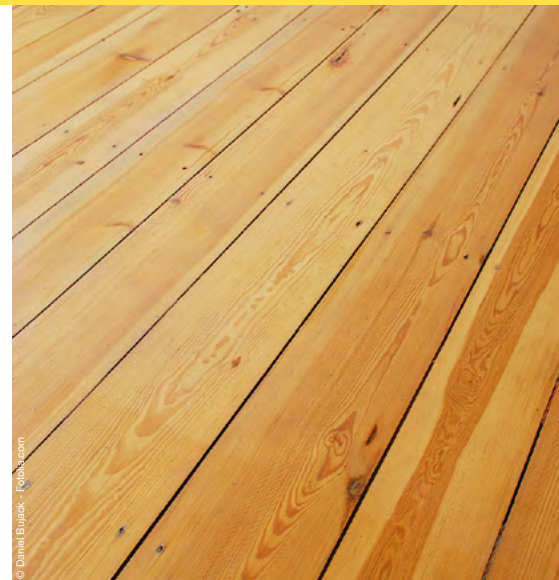
Recess: T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

5,0	16	46092	11	9,6	T-25		1.000	10.000	480.000
	20	46094	15	9,6	T-25		500	5.000	240.000
	25	46096	20	9,6	T-25	•	500	5.000	240.000
	30	45571	25	9,6	T-25	•	500	5.000	240.000
	35	45573	30	9,6	T-25	•	500	5.000	240.000
	40	45575	35	9,6	T-25	•	500	5.000	240.000
	45	45577	40	9,6	T-25	•	200	2.000	96.000
	50	45579	45	9,6	T-25	•	200	2.000	96.000
	55	46098	50	9,6	T-25	•	200	2.000	96.000
	60	45581	55	9,6	T-25	•	200	2.000	96.000
	70	46100	65	9,6	T-25	•	200	2.000	96.000
	80	45583	75	9,6	T-25	•	200	2.000	96.000
	90	46102	85	9,6	T-25	•	200	2.000	96.000
	100	48805	95	9,6	T-25	•	100	1.000	48.000
	120	46106	115	9,6	T-25	•	100	1.000	48.000
6,0	30	46108	24	11,7	T-30	•	200	2.000	96.000
	35	45585	29	11,7	T-30	•	200	2.000	96.000
	40	45587	34	11,7	T-30	•	200	2.000	96.000
	45	45589	39	11,7	T-30	•	200	2.000	96.000
	50	45591	44	11,7	T-30	•	200	2.000	96.000
	55	46110	49	11,7	T-30	•	200	2.000	96.000
	60	45593	54	11,7	T-30	•	200	2.000	96.000
	70	46112	64	11,7	T-30	•	200	2.000	96.000
	80	45595	74	11,7	T-30	•	100	1.000	48.000
	90	46114	84	11,7	T-30	•	100	1.000	48.000
	100	45597	94	11,7	T-30	•	100	1.000	48.000
	110	46116	104	11,7	T-30	•	100	1.000	48.000
	120	45599	114	11,7	T-30	•	100	1.000	48.000



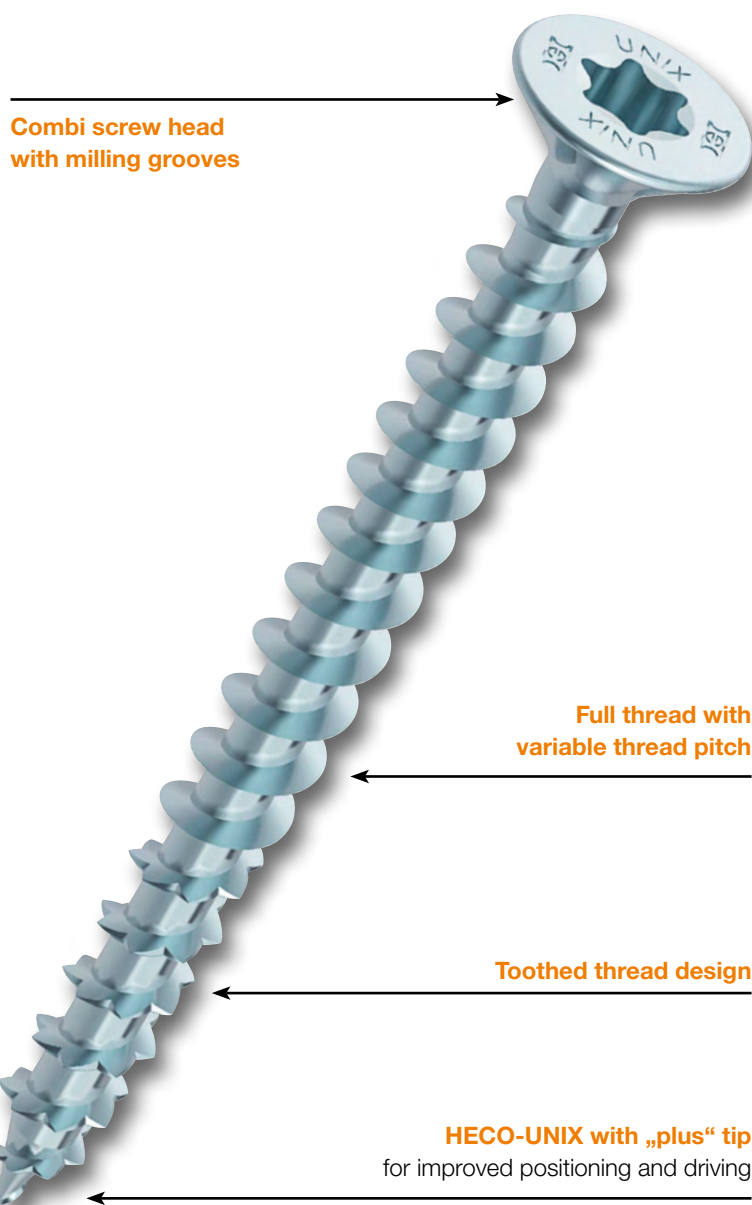
HECO-UNIX-plus Wood panel screw

PRODUCT INFORMATION

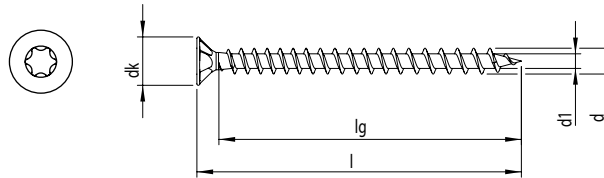
- Gapless joining and mounting with just one screw
- Immediate insertion thanks to serrated screw tip
- Milling properties thanks to milling grooves
- Easy positioning and quick assembling especially on hard surfaces
- No creaking of the boards due to the HECO-UNIX full-threaded fixation
- Time savings due to the use of just one screw type
- CE-marking



The unique wood panel screw with contraction effect



Type:	wood panel screw, countersunk head with milling grooves
	full threaded
Material:	carbon steel
Surface:	bright zinc plated, A2K Color code HECO-Label
Recess:	T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

4,5	50	47590	46	8,9	T-20	•	200	2.000	96.000
	60	47591	56	8,9	T-20	•	200	2.000	96.000
	70	47592	66	8,9	T-20	•	200	2.000	96.000
	80	47593	76	8,9	T-20	•	200	2.000	96.000



HECO-UNIX-top

PRODUCT INFORMATION

- For applications in natural timber and glulam
- For smallest screw spacings without splitting the timber
- Faster driving due to higher thread pitch
- Fast positioning due to an optimised tip geometry



The unique fully threaded screw with contraction effect and „TOPIX“ tip





Type: countersunk head with milling grooves

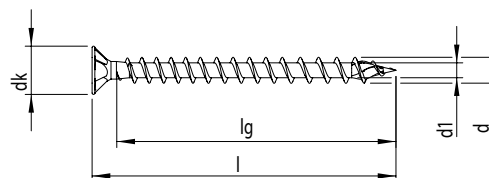
full threaded

Material: carbon steel

Surface: bright zinc plated, A2K

Color code
HECO-Label

Recess: T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
5,0	30 46142	25	9,6	T-25	•	500	5.000	240.000
	35 46144	30	9,6	T-25	•	500	5.000	240.000
	40 45103	35	9,6	T-25	•	500	5.000	240.000
	45 45105	40	9,6	T-25	•	200	2.000	96.000
	50 45107	45	9,6	T-25	•	200	2.000	96.000
	60 45109	55	9,6	T-25	•	200	2.000	96.000
	70 45111	65	9,6	T-25	•	200	2.000	96.000
	80 45113	75	9,6	T-25	•	200	2.000	96.000
	90 45115	85	9,6	T-25	•	200	2.000	96.000
	100 48806	95	9,6	T-25	•	100	1.000	48.000
	120 45119	115	9,6	T-25	•	100	1.000	48.000
6,0	40 46146	35	11,7	T-30	•	200	2.000	96.000
	45 46148	40	11,7	T-30	•	200	2.000	96.000
	50 45121	45	11,7	T-30	•	200	2.000	96.000
	60 45123	55	11,7	T-30	•	200	2.000	96.000
	70 45125	65	11,7	T-30	•	200	2.000	96.000
	80 45127	75	11,7	T-30	•	100	1.000	48.000
	90 45129	85	11,7	T-30	•	100	1.000	48.000
	100 45131	95	11,7	T-30	•	100	1.000	48.000
	110 46150	105	11,7	T-30	•	100	1.000	48.000
	120 45133	115	11,7	T-30	•	100	1.000	48.000
	140 45135	135	11,7	T-30	•	100	1.000	48.000
150 46152	145	11,7	T-30	•	100	800	38.400	
160 45137	155	11,7	T-30	•	100	800	38.400	



HECO-UNIX-top Cladding screw

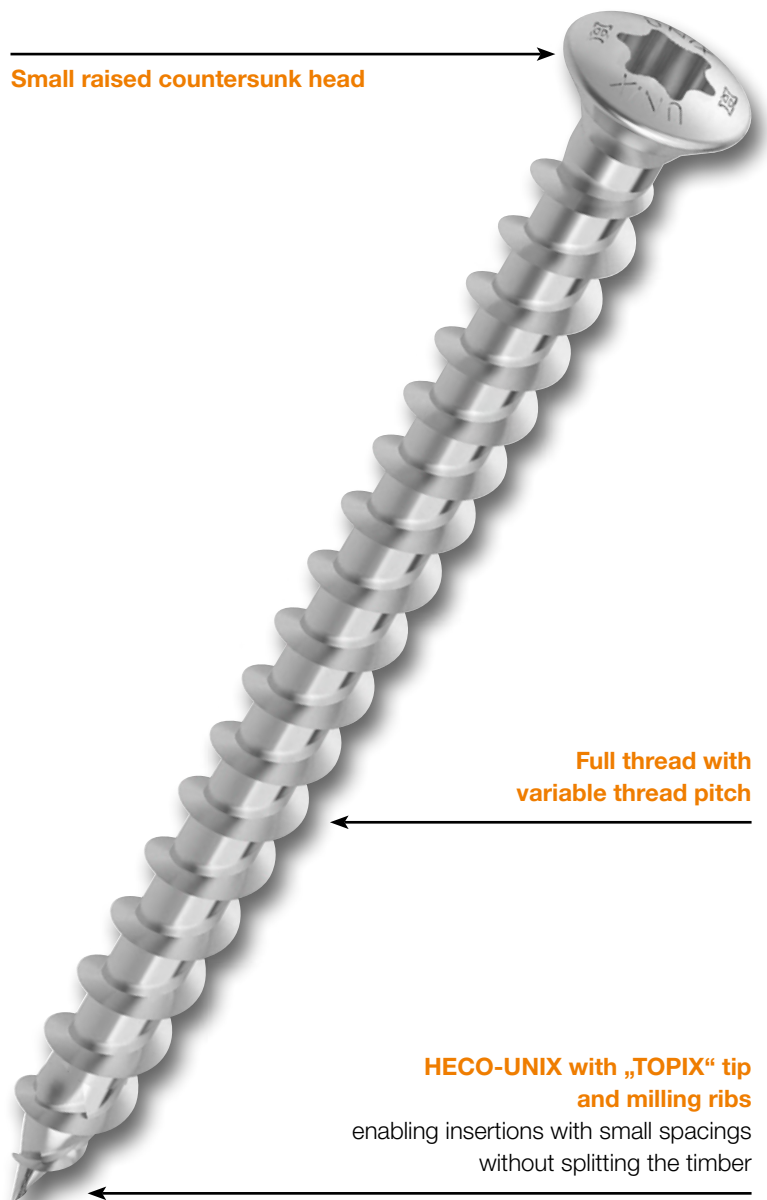
PRODUCT INFORMATION

- Small raised countersunk head for neat optics and reduction of trapped moisture
- Mounting and fixation of cladding with just one screw
- Gapless joining of cladding
- Permanent fixation and increased pull out values thanks to the HECO-UNIX full thread
- Reduced splitting effect due to the HECO-TOPIX® tip with milling ribs
- Screw types in stainless steel for permanent fixations according to utility class 3
- CE-marking



Video

The unique cladding screw with contraction effect



Small raised countersunk head

Full thread with variable thread pitch

HECO-UNIX with „TOPIX“ tip and milling ribs enabling insertions with small spacings without splitting the timber



Type: cladding screw, raised countersunk head
full threaded

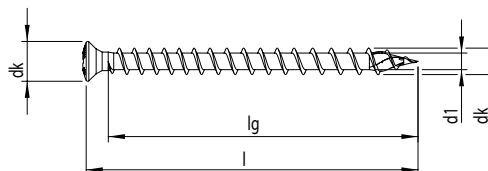
Material: stainless steel A2 1.4567



Surface: self-colour, coated

Color code
HECO-Label

Recess: T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

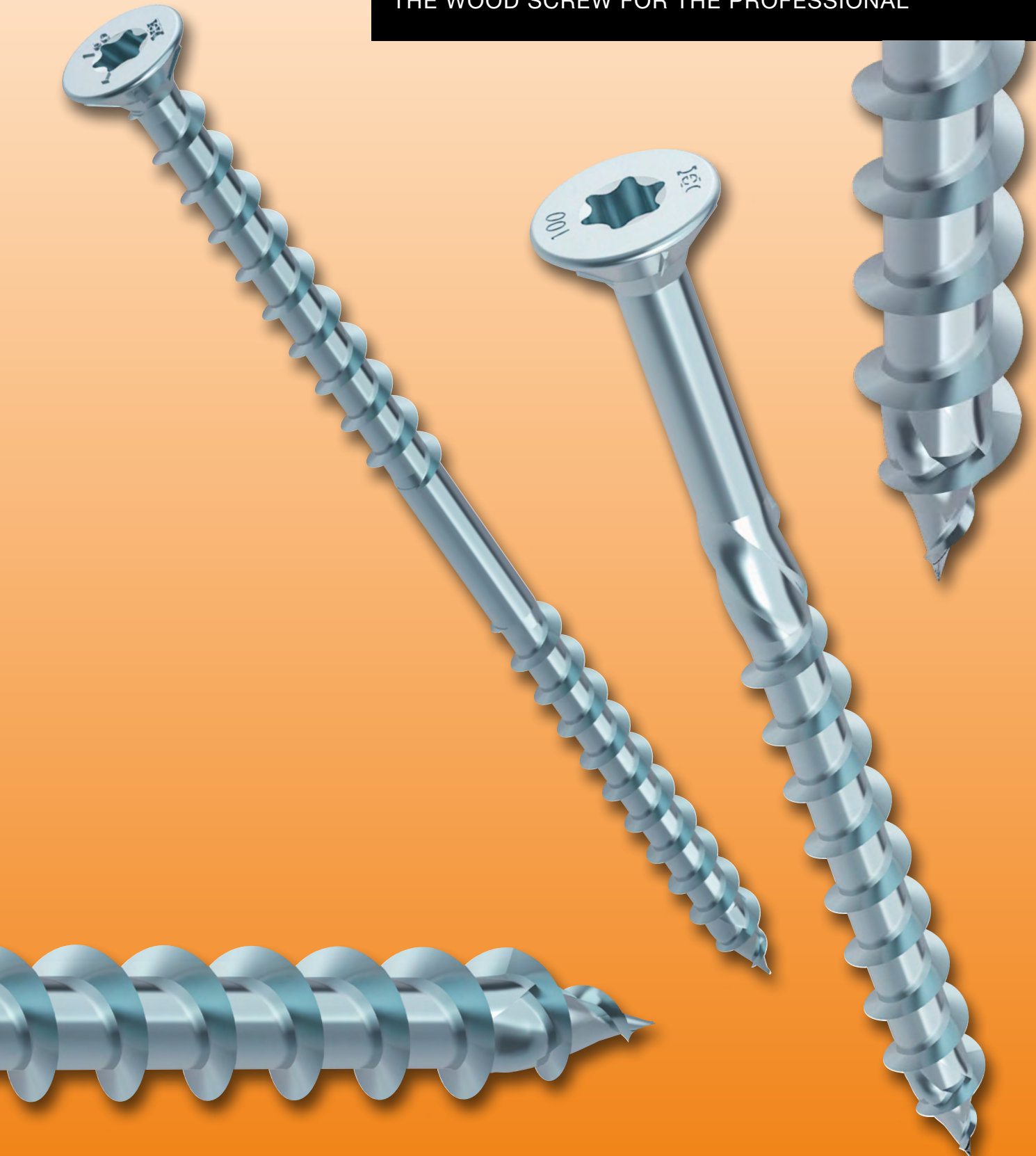
VARIANTA - BOXES FOR PROFESSIONALS

4,5	50	45898	46	7,2	T-20	•	200	2.000	96.000
	60	45900	56	7,2	T-20	•	200	2.000	96.000
	70	45902	66	7,2	T-20	•	200	2.000	96.000
	80	45904	76	7,2	T-20	•	200	2.000	96.000
5,0	40	45427	36	7,2	T-20	•	200	2.000	96.000
	50	45429	46	7,2	T-20	•	200	2.000	96.000
	60	45431	56	7,2	T-20	•	200	2.000	96.000
	70	45433	66	7,2	T-20	•	200	2.000	96.000
	80	45435	76	7,2	T-20	•	200	2.000	96.000



HECO-TOPIX®

THE WOOD SCREW FOR THE PROFESSIONAL





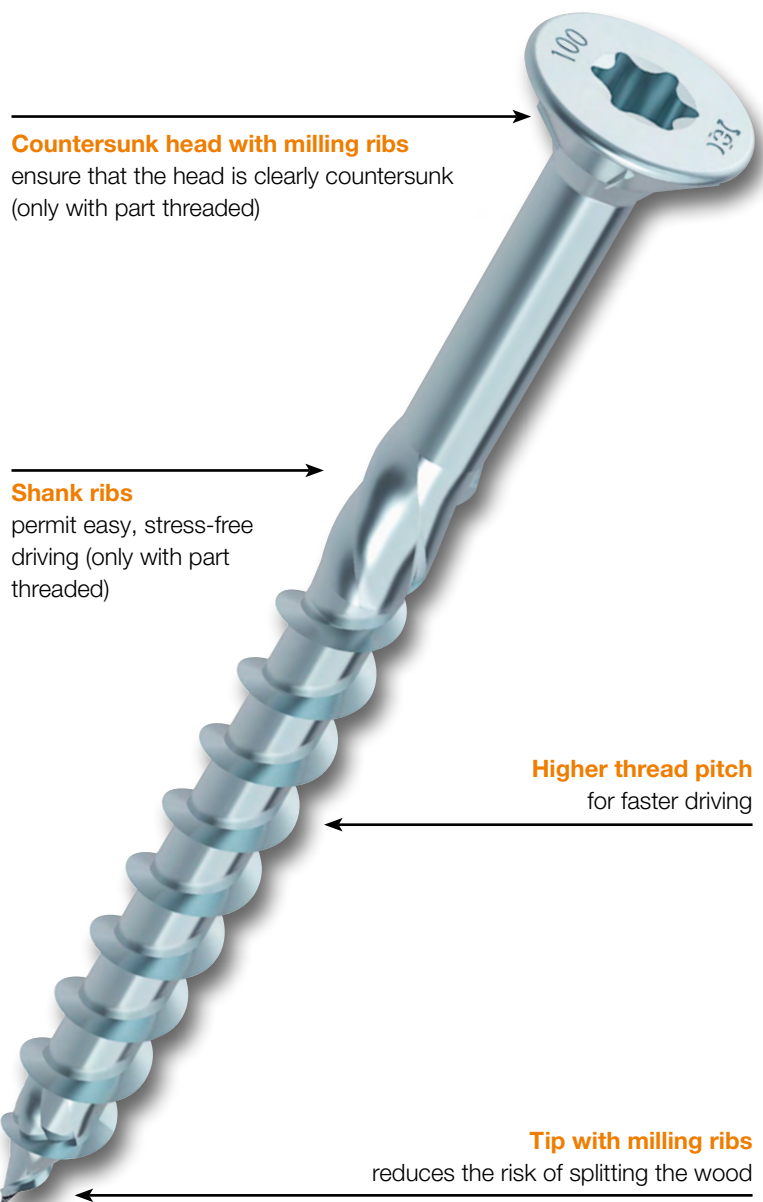
HECO-TOPIX®

PRODUCT INFORMATION

- Revolutionary point and shank design
- Easy to handle
- No predrilling required
- Faster driving
- Reduced risk of splitting the wood
- Lower driving torque
- High cost effectiveness
- Approved and monitored product for steel and stainless steel versions



The wood screw for the professional



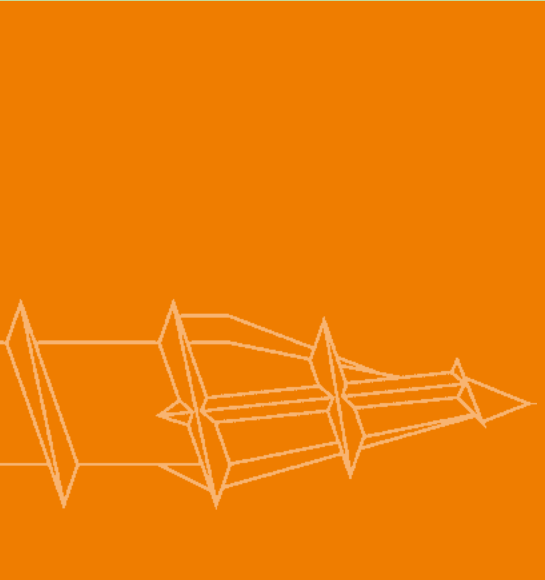
Countersunk head with milling ribs
ensure that the head is clearly countersunk (only with part threaded)

Shank ribs
permit easy, stress-free driving (only with part threaded)

Higher thread pitch
for faster driving

Tip with milling ribs
reduces the risk of splitting the wood





APPLICATION EXAMPLES



Timber construction



Staircase construction



On-rafter insulation



Timber construction



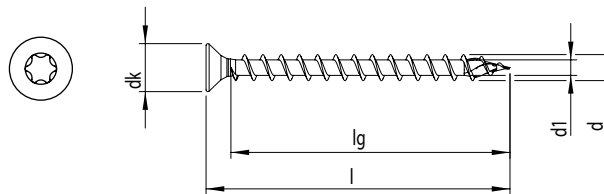
Fixing of decking



Rafter-purlin joint

Type:	countersunk head
	full threaded
Material:	carbon steel
Surface:	bright zinc plated, A2K
Recess:	T-Drive

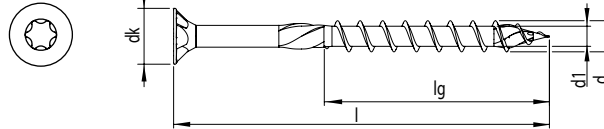
Color code
HECO-Label



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]	
5,0	30	34366	24	9,6	T-25	•	500	5.000	240.000
	35	34393	29	9,6	T-25	•	500	5.000	240.000
	40	34387	34	9,6	T-25	•	500	5.000	240.000
	45	34414	39	9,6	T-25	•	200	2.000	96.000
	50	34426	44	9,6	T-25	•	200	2.000	96.000
	60	34440	54	9,6	T-25	•	200	2.000	96.000
	80	49089	74	9,6	T-25	•	200	2.000	96.000
	100	49091	94	9,6	T-25	•	100	1.000	48.000
6,0	40	34532	33	11,6	T-25	•	200	2.000	96.000
	45	34542	38	11,6	T-25	•	200	2.000	96.000
	50	34552	43	11,6	T-25	•	200	2.000	96.000
	60	34566	53	11,6	T-25	•	200	2.000	96.000
	70	34580	60	11,6	T-25	•	200	2.000	96.000

Type:	countersunk head with milling grooves
	part threaded
Material:	carbon steel
Surface:	bright zinc plated, A2K
Recess:	T-Drive

Color code
HECO-Label



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]	
6,0	60	34572	36	11,6	T-25	•	200	2.000	96.000
	70	34586	40	11,6	T-25	•	200	2.000	96.000
	80	44079	45	11,6	T-25	•	100	1.000	48.000
	90	34604	55	11,6	T-25	•	100	1.000	48.000
	100	34608	60	11,6	T-25	•	100	1.000	48.000
	110	34616	60	11,6	T-25	•	100	1.000	48.000
	120	34622	60	11,6	T-25	•	100	1.000	48.000
	140	34630	60	11,6	T-25	•	100	1.000	48.000
	150	40643	60	11,6	T-25	•	100	800	38.400
	160	34640	60	11,6	T-25	•	100	800	38.400
	180	34650	60	11,6	T-25	•	100	400	25.600
	200	34660	60	11,6	T-25	•	100	400	25.600
	220	34670	60	11,6	T-25	•	100	400	25.600
	240	34680	60	11,6	T-25	•	100	400	25.600
	260	34690	60	11,6	T-25	•	100	400	19.200
280	34700	60	11,6	T-25	•	100	400	19.200	
300	34710	60	11,6	T-25	•	100	400	19.200	



Type: countersunk head with milling grooves

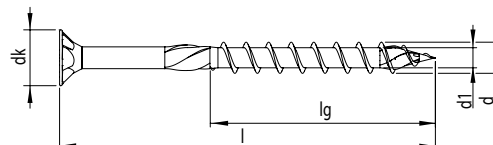
part threaded

Material: carbon steel

Surface: bright zinc plated, A2K

Color code
HECO-Label

Recess: T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

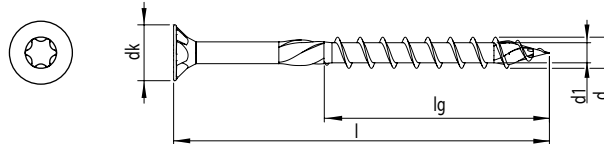
8,0	80	48080	60	14,8	T-40	•	100	400	33.600
	90	48083	60	14,8	T-40	•	100	400	33.600
	100	48085	60	14,8	T-40	•	100	400	33.600
	120	48087	70	14,8	T-40	•	100	400	33.600
	140	48089	70	14,8	T-40	•	100	400	33.600
	160	48091	100	14,8	T-40	•	100	400	25.600
	180	48093	100	14,8	T-40	•	100	400	25.600
	200	48095	100	14,8	T-40	•	100	400	25.600
	220	48098	100	14,8	T-40	•	50	200	12.800
	240	48100	100	14,8	T-40	•	50	200	12.800
	260	48102	100	14,8	T-40	•	50	200	9.600
	280	48104	100	14,8	T-40	•	50	200	9.600
	300	48106	100	14,8	T-40	•	50	200	9.600
	320	48108	100	14,8	T-40	•	50	200	9.600
	340	48110	100	14,8	T-40	•	50	200	9.600
	360	48112	100	14,8	T-40	•	50	200	6.400
	380	48114	100	14,8	T-40	•	50	200	6.400
400	48116	100	14,8	T-40	•	50	200	6.400	
420	48118	100	14,8	T-40	•	50	200	6.400	
460	48120	100	14,8	T-40	•	50	200	6.400	
500	48122	100	14,8	T-40	•	50	200	6.400	

You will find corresponding washers on page 221

Setting tool for 45° and 60° insertion angles are on page 222

Type:	countersunk head with milling grooves
	part threaded
Material:	carbon steel
Surface:	bright zinc plated, A2K
Recess:	T-Drive

Color code
HECO-Label



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]	
10,0	80	48124	60	18,5	T-40	•	50	200	16.800
	100	48128	80	18,5	T-40	•	50	200	16.800
	120	48130	80	18,5	T-40	•	50	200	16.800
	140	48132	80	18,5	T-40	•	50	200	16.800
	160	48134	100	18,5	T-40	•	50	200	16.800
	180	48136	100	18,5	T-40	•	50	200	12.800
	200	48138	100	18,5	T-40	•	50	200	12.800
	220	48140	100	18,5	T-40	•	50	200	12.800
	240	48142	100	18,5	T-40	•	50	200	9.600
	260	48144	100	18,5	T-40	•	50	200	9.600
	280	48146	100	18,5	T-40	•	50	200	9.600
	300	48149	100	18,5	T-40	•	50	200	9.600
	320	48151	100	18,5	T-40	•	50	200	9.600
	340	48153	100	18,5	T-40	•	50	200	9.600
	360	48155	100	18,5	T-40	•	50	200	6.400
	380	48157	100	18,5	T-40	•	50	200	6.400
	400	48159	100	18,5	T-40	•	50	200	6.400
420	48163	100	18,5	T-40	•	25	100	3.200	
460	48166	100	18,5	T-40	•	25	100	3.200	
500	48167	100	18,5	T-40	•	25	100	3.200	

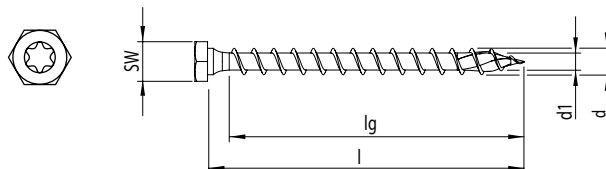
You will find corresponding washers on page 221

Setting tool for 45° and 60° insertion angles are on page 222



Type:	combihexagon head full threaded
Material:	carbon steel
Surface:	bright zinc plated, A2K
Recess:	hexagon head + T-Drive

Color code
HECO-Label

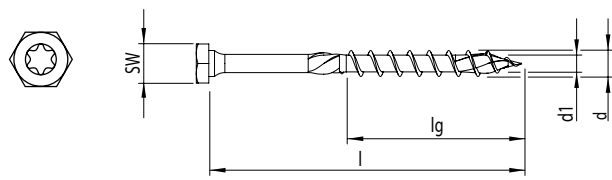


Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	---------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

8,0	50	52121	42	13,0	SW-13/T-40	• 100	400	33.600
	60	52122	52	13,0	SW-13/T-40	• 100	400	33.600
	70	52124	62	13,0	SW-13/T-40	• 50	200	16.800
	80	52077	72	13,0	SW-13/T-40	• 50	200	16.800
	100	52086	92	13,0	SW-13/T-40	• 50	200	16.800
10,0	60	52125	50	15,0	SW-15/T-40	• 50	200	16.800
	70	52126	60	15,0	SW-15/T-40	• 50	200	16.800
	80	52103	70	15,0	SW-15/T-40	• 50	200	16.800
	100	52104	90	15,0	SW-15/T-40	• 50	200	16.800

Type:	combihexagon head
	part threaded
Material:	carbon steel
Surface:	bright zinc plated, A2K
	 Color code HECO-Label
Recess:	hexagon head + T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
-----------------	-------------	--------------------	--------------------	--------	-----	---------------------	--------------------------------	--------------------------

VARIANTA - BOXES FOR PROFESSIONALS

8,0	120	52087	70	13,0	SW-13/T-40	•	50	200	16.800
	140	52089	70	13,0	SW-13/T-40	•	50	200	16.800
	160	52090	100	13,0	SW-13/T-40	•	50	200	12.800
	180	52091	100	13,0	SW-13/T-40	•	50	200	12.800
	200	52092	100	13,0	SW-13/T-40	•	50	200	12.800
	220	52093	100	13,0	SW-13/T-40	•	50	200	12.800
	240	52094	100	13,0	SW-13/T-40	•	50	200	12.800
	260	52095	100	13,0	SW-13/T-40	•	50	200	9.600
	280	52096	100	13,0	SW-13/T-40	•	50	200	9.600
	300	52097	100	13,0	SW-13/T-40	•	50	200	9.600
	320	52098	100	13,0	SW-13/T-40	•	50	200	9.600
	340	52099	100	13,0	SW-13/T-40	•	50	200	9.600
	360	52100	100	13,0	SW-13/T-40	•	50	200	6.400
	380	52101	100	13,0	SW-13/T-40	•	50	200	6.400
10,0	120	52105	70	15,0	SW-15/T-40	•	50	200	16.800
	140	52106	70	15,0	SW-15/T-40	•	50	200	14.400
	160	52107	100	15,0	SW-15/T-40	•	50	200	12.800
	180	52108	100	15,0	SW-15/T-40	•	50	200	12.800
	200	52109	100	15,0	SW-15/T-40	•	50	200	12.800
	220	52110	100	15,0	SW-15/T-40	•	50	200	12.800
	240	52111	100	15,0	SW-15/T-40	•	50	200	9.600
	260	52112	100	15,0	SW-15/T-40	•	50	200	9.600
	280	52113	100	15,0	SW-15/T-40	•	50	200	9.600
	300	52114	100	15,0	SW-15/T-40	•	50	200	7.200
	320	52115	100	15,0	SW-15/T-40	•	50	200	7.200
	340	52116	100	15,0	SW-15/T-40	•	50	200	7.200
360	52117	100	15,0	SW-15/T-40	•	50	200	6.400	
380	52118	100	15,0	SW-15/T-40	•	50	200	6.400	
400	52119	100	15,0	SW-15/T-40	•	50	200	6.400	



HECO-TOPIX® Full threaded screws

PRODUCT INFORMATION

- Countersunk head with milling grooves; no damage to the connector
- Perfectly coordinated HECO-Drive with positive fit
- Transfer of high tensile and compressive loads via the full thread
- Reduced edge and centre distances
- Approved and monitored product



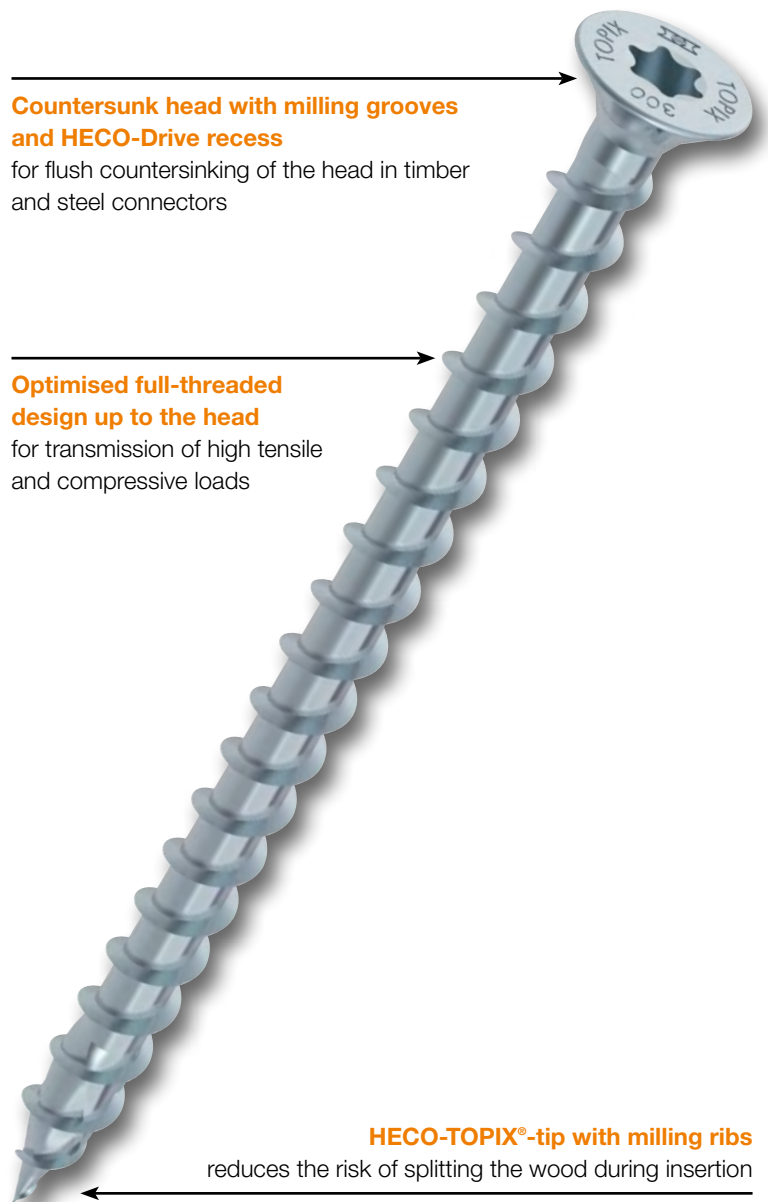
The wood screw for connections and reinforcements in structural timberwork with high demands

Countersunk head with milling grooves and HECO-Drive recess

for flush countersinking of the head in timber and steel connectors

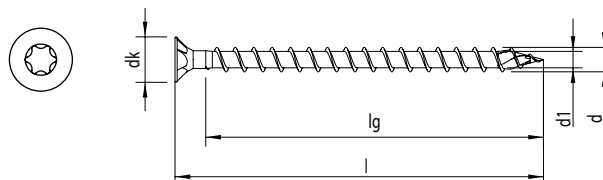
Optimised full-threaded design up to the head

for transmission of high tensile and compressive loads



HECO-TOPIX®-tip with milling ribs reduces the risk of splitting the wood during insertion

Type:	HECO-TOPIX full threaded screw, countersunk head with milling grooves	
	full threaded	
Material:	carbon steel	
Surface:	bright zinc plated, A2K	Color code HECO-Label
Recess:	T-Drive	



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

8,0	120	47577	112	14,8	T-40	•	100	400	33.600
	160	47579	152	14,8	T-40	•	100	400	25.600
	180	47581	172	14,8	T-40	•	100	400	19.200
	200	48069	192	14,8	T-40	•	100	400	19.200
	220	49248	212	14,8	T-40	•	50	200	12.800
	240	49250	232	14,8	T-40	•	50	200	12.800
	260	49252	252	14,8	T-40	•	50	200	9.600
	280	49254	272	14,8	T-40	•	50	200	9.600
	300	49256	292	14,8	T-40	•	50	200	9.600
	340	49638	332	14,8	T-40	•	50	200	9.600
	380	49640	372	14,8	T-40	•	50	200	6.400
10,0	120	47416	110	18,5	T-40	•	50	200	19.200
	160	47418	150	18,5	T-40	•	50	200	16.800
	200	49258	190	18,5	T-40	•	50	200	12.800
	220	49260	210	18,5	T-40	•	50	200	12.800
	240	49262	230	18,5	T-40	•	50	200	9.600
	260	49264	250	18,5	T-40	•	50	200	9.600
	280	49266	270	18,5	T-40	•	50	200	9.600
	300	49268	290	18,5	T-40	•	50	200	9.600
	340	49642	330	18,5	T-40	•	50	200	7.200
380	49644	370	18,5	T-40	•	50	200	6.400	



HECO-TOPIX®-Flange head

PRODUCT INFORMATION

- Higher load transmission due to the increased clamping surface of the head
- Fast and simple to use
- Calculation document via HECO® HCS or calculation service
- Approved and monitored product



The wood screw for professionals

Flange head

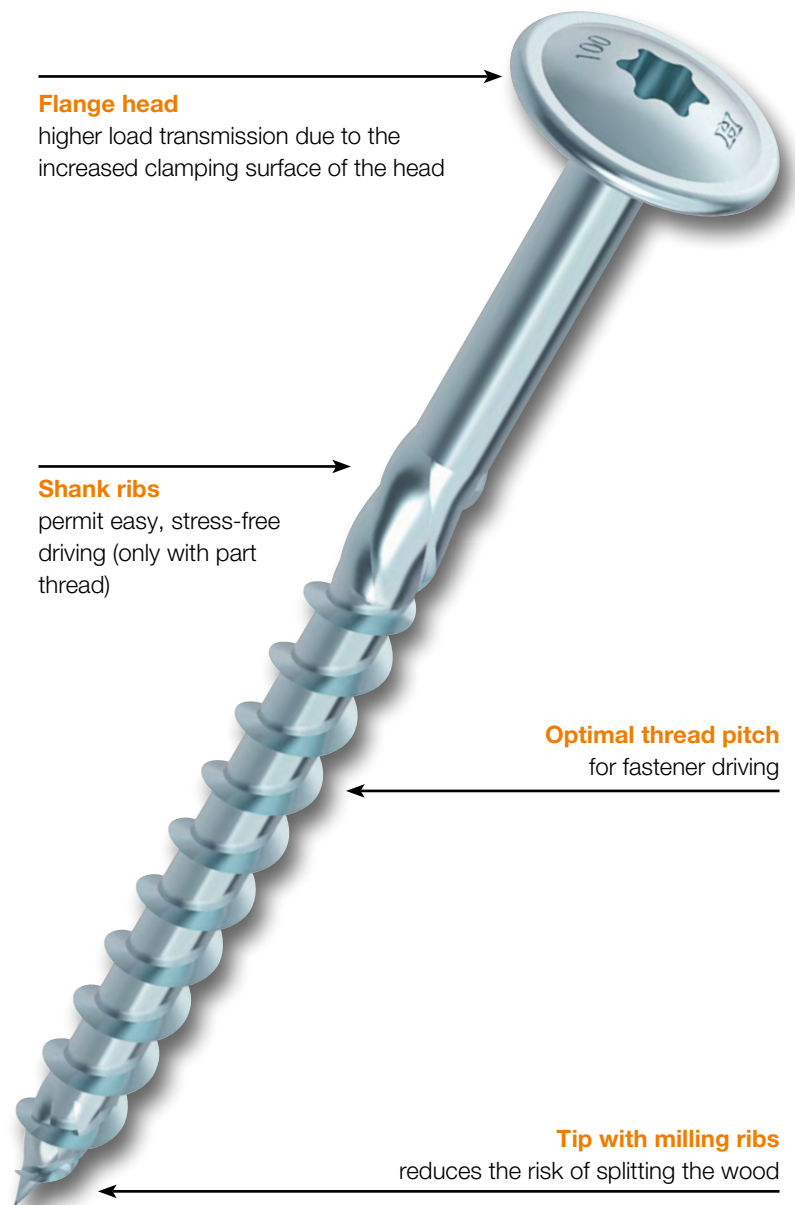
higher load transmission due to the increased clamping surface of the head

Shank ribs

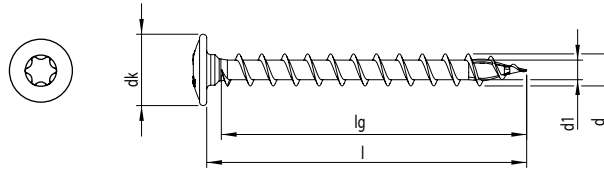
permit easy, stress-free driving (only with part thread)

Optimal thread pitch for fastener driving

Tip with milling ribs reduces the risk of splitting the wood



Type:	flange head	
	full threaded	
Material:	carbon steel	
Surface:	bright zinc plated, A2K	Color code HECO-Label
Recess:	T-Drive	



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

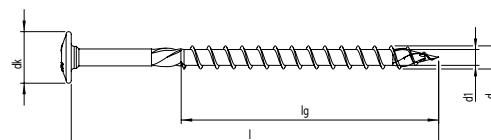
VARIANTA - BOXES FOR PROFESSIONALS

6,0	40	48169	33	14,0	T-25	•	200	2.000	96.000
	50	48171	43	14,0	T-25	•	200	2.000	96.000
	60	54210	53	14,0	T-25	•	100	1.000	48.000
	70	45419	60	14,0	T-25	•	100	1.000	48.000
	80	48177	70	14,0	T-25	•	100	1.000	48.000
8,0	80	48206	70	18,0	T-40	•	50	200	16.800
	100	48208	80	18,0	T-40	•	50	200	16.800
	120	48210	100	18,0	T-40	•	50	200	16.800
10,0	80	48240	70	22,5	T-40	•	50	200	16.800
	100	48242	90	22,5	T-40	•	50	200	16.800
	120	48244	100	22,5	T-40	•	50	200	16.800



Type:	flange head
	part threaded
Material:	carbon steel
Surface:	bright zinc plated, A2K
Recess:	T-Drive

Color code
HECO-Label

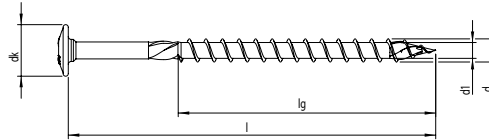


Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

6,0	100	48179	70	14,0	T-25	•	100	1.000	48.000
	120	48181	70	14,0	T-25	•	100	1.000	48.000
	140	48183	70	14,0	T-25	•	100	800	38.400
	160	48185	70	14,0	T-25	•	100	400	25.600
	180	48187	70	14,0	T-25	•	100	400	25.600
	200	48189	70	14,0	T-25	•	100	400	25.600
	220	48191	70	14,0	T-25	•	100	400	25.600
	240	48193	70	14,0	T-25	•	100	400	25.600
	260	48195	70	14,0	T-25	•	100	400	19.200
	280	48197	70	14,0	T-25	•	100	400	19.200
	300	48199	70	14,0	T-25	•	100	400	19.200
8,0	140	48212	100	18,0	T-40	•	50	200	16.800
	160	48214	100	18,0	T-40	•	50	200	12.800
	180	48216	100	18,0	T-40	•	50	200	12.800
	200	48218	100	18,0	T-40	•	50	200	12.800
	220	48220	100	18,0	T-40	•	50	200	12.800
	240	48222	100	18,0	T-40	•	50	200	12.800
	260	48224	100	18,0	T-40	•	50	200	9.600
	280	48226	100	18,0	T-40	•	50	200	9.600
	300	48228	100	18,0	T-40	•	50	200	9.600
	320	48230	100	18,0	T-40	•	50	200	9.600
	340	48232	100	18,0	T-40	•	50	200	9.600
	360	48234	100	18,0	T-40	•	50	200	6.400
	380	48236	100	18,0	T-40	•	50	200	6.400
400	48238	100	18,0	T-40	•	50	200	6.400	

Type:	flange head	
	part threaded	
Material:	carbon steel	
Surface:	bright zinc plated, A2K	Color code HECO-Label
Recess:	T-Drive	

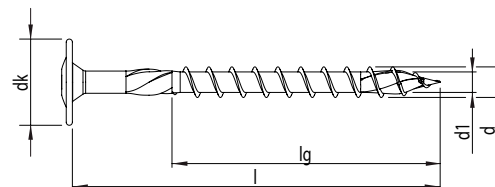


Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
10,0	140 48246	100	22,5	T-40	•	50	200	16.800
	160 48248	100	22,5	T-40	•	50	200	12.800
	180 48250	100	22,5	T-40	•	50	200	12.800
	200 48252	100	22,5	T-40	•	50	200	12.800
	220 48254	100	22,5	T-40	•	50	200	12.800
	240 48256	100	22,5	T-40	•	50	200	9.600
	260 48258	100	22,5	T-40	•	50	200	9.600
	280 48260	100	22,5	T-40	•	50	200	9.600
	300 48262	100	22,5	T-40	•	50	200	9.600
	320 48264	100	22,5	T-40	•	50	200	9.600
	340 48266	100	22,5	T-40	•	50	200	7.200
	360 48268	100	22,5	T-40	•	50	200	6.400
	380 48270	100	22,5	T-40	•	50	200	6.400
	400 48272	100	22,5	T-40	•	50	200	6.400



Type:	flange head XL
	part threaded
Material:	carbon steel
Surface:	bright zinc plated, A2K
Recess:	T-Drive

Color code
HECO-Label



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

8,0	160	53209	100	22,5	T-40	•	50	200	12.800
	180	53223	100	22,5	T-40	•	50	200	12.800
	200	53224	100	22,5	T-40	•	50	200	12.800
	220	53225	100	22,5	T-40	•	50	200	12.800
	240	53226	100	22,5	T-40	•	50	200	12.800
	260	53227	100	22,5	T-40	•	50	200	9.600
	280	53229	100	22,5	T-40	•	50	200	9.600
	300	53230	100	22,5	T-40	•	50	200	9.600
	320	53231	100	22,5	T-40	•	50	200	9.600
	340	53232	100	22,5	T-40	•	50	200	9.600
	360	53233	100	22,5	T-40	•	50	200	6.400
	380	53234	100	22,5	T-40	•	50	200	6.400
	400	53235	100	22,5	T-40	•	50	200	6.400



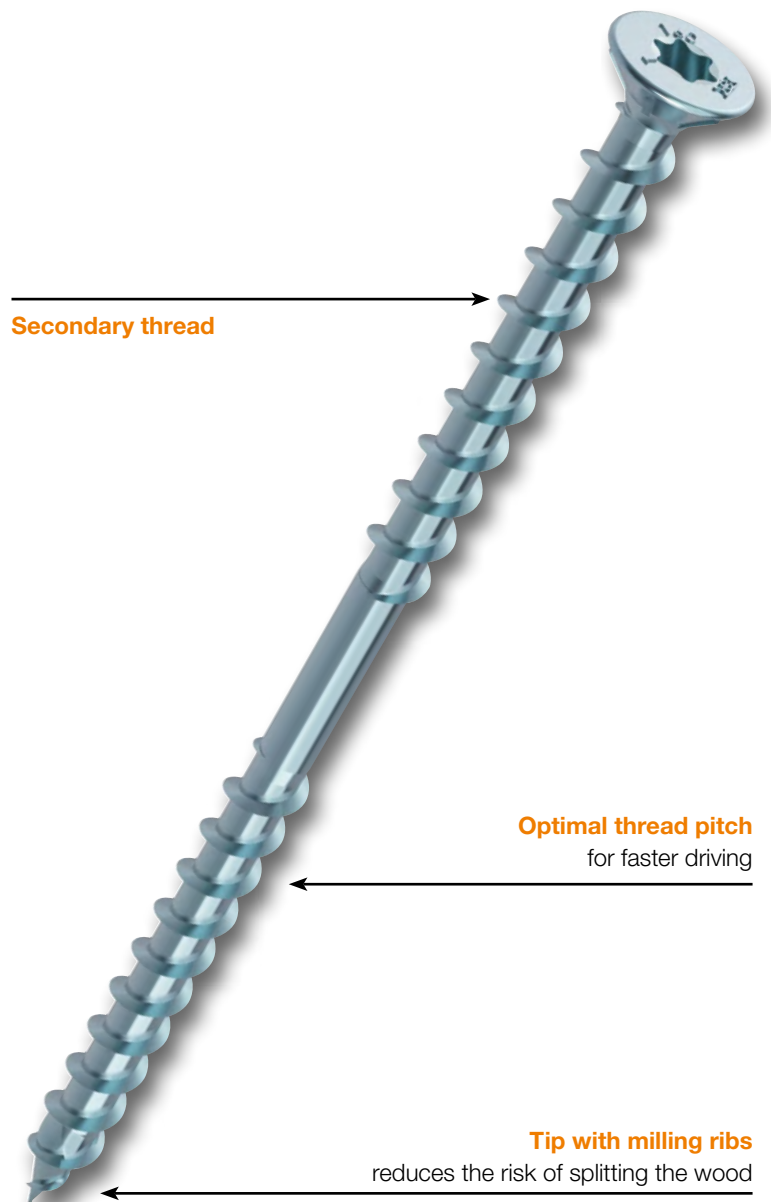
HECO-TOPIX®-Therm

PRODUCT INFORMATION

- Suitable for any type of insulation material
- Compressive loads are transferred directly into the rafters
- Just one screw length is required for the insulated roof area
- Calculation document via HECO® HCS or calculation service
- Approved and monitored product



The wood screw for on-rafter insulation using soft insulating materials

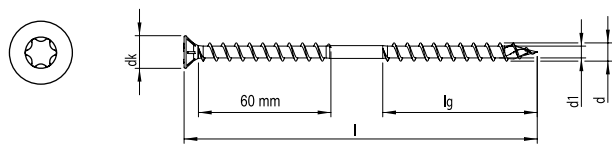


Secondary thread

Optimal thread pitch
for faster driving

Tip with milling ribs
reduces the risk of splitting the wood

Type:	HECO-TOPIX-Therm, countersunk head	
	secondary thread	
Material:	carbon steel	
Surface:	bright zinc plated, A2K	Color code HECO-Label
Recess:	T-Drive	



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS									
8,0	160	46971	70	14,8	T-40	•	50	200	19.200
	200	46842	100	14,8	T-40	•	50	200	12.800
	240	46843	100	14,8	T-40	•	50	200	12.800
	280	46844	100	14,8	T-40	•	50	200	9.600
	300	46845	100	14,8	T-40	•	50	200	9.600
	330	42194	100	14,8	T-40	•	50	200	9.600
	360	42196	100	14,8	T-40	•	50	200	6.400
	400	42198	100	14,8	T-40	•	50	200	6.400
	450	42200	100	14,8	T-40	•	50	200	6.400
	500	42202	100	14,8	T-40	•	50	200	6.400
10,0	260	45310	100	18,5	T-40	•	50	200	9.600
	300	45312	100	18,5	T-40	•	50	200	9.600
	340	45314	100	18,5	T-40	•	50	200	7.200
	380	45316	100	18,5	T-40	•	50	200	6.400
	420	46846	100	18,5	T-40	•	25	100	3.200
	460	46847	100	18,5	T-40	•	25	100	3.200

Setting tool for 45° and 60° insertion angles are on page 222



HECO-TOPIX®-CombiConnect

PRODUCT INFORMATION

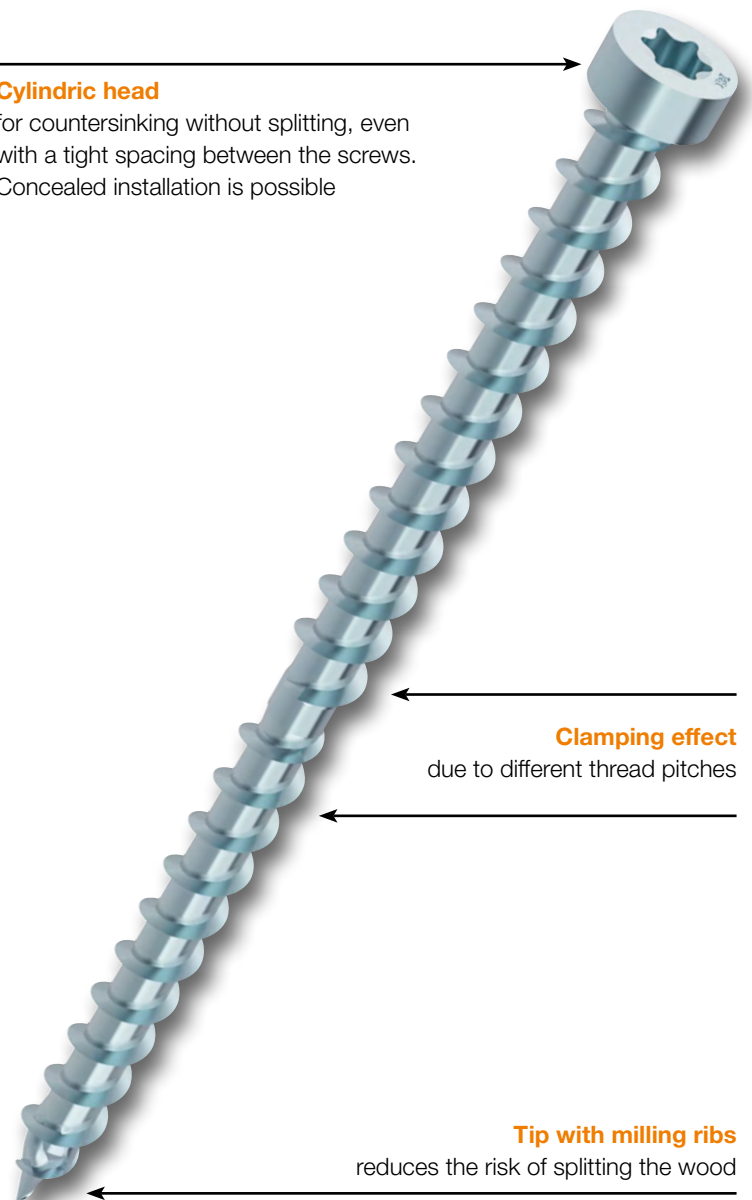
- Transfer of high tensile and compressive loads via the double thread
- Pulls the components together during the screwing process
- For universal use in new constructions and restorations
- Fast handling due to optimised thread pitches
- Calculation document via HECO® HCS or calculation service
- Approved and monitored product



The pulling power screw for hight loads

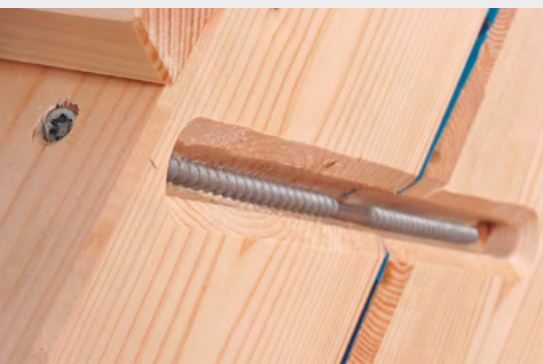
Cylindric head

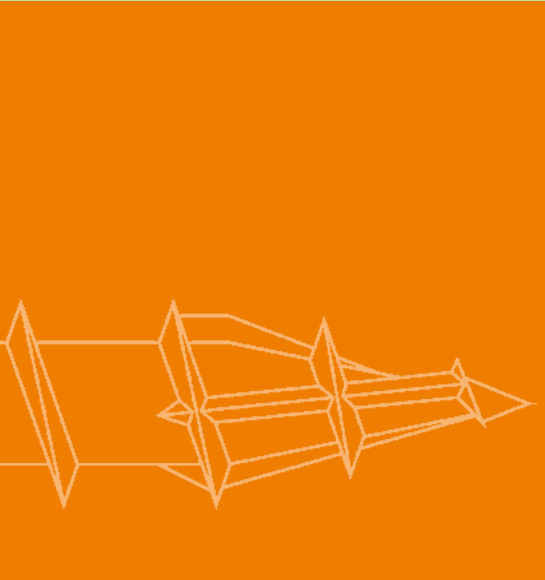
for countersinking without splitting, even with a tight spacing between the screws. Concealed installation is possible



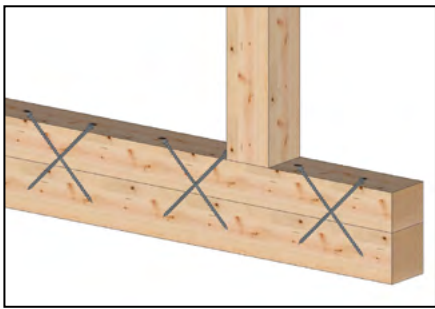
Clamping effect
due to different thread pitches

Tip with milling ribs
reduces the risk of splitting the wood

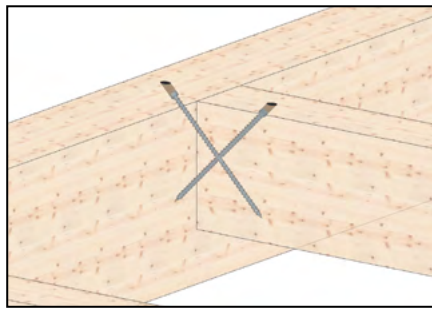




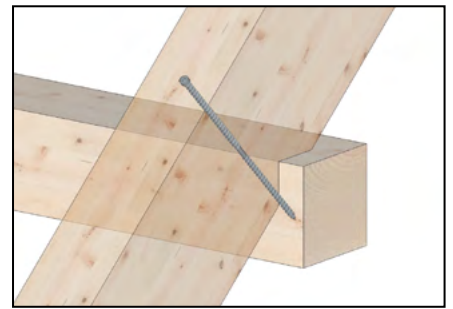
APPLICATION EXAMPLES



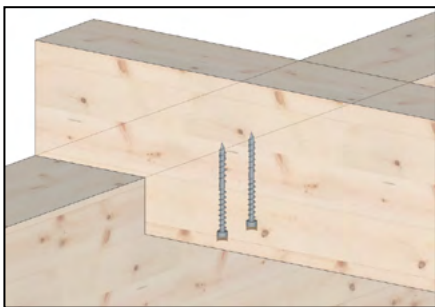
Reinforced beam



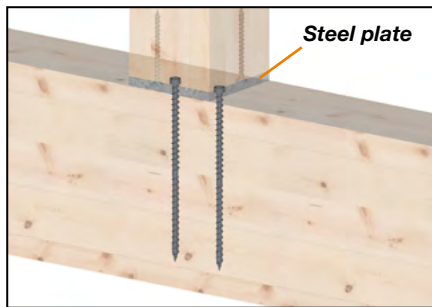
Transverse butt joints



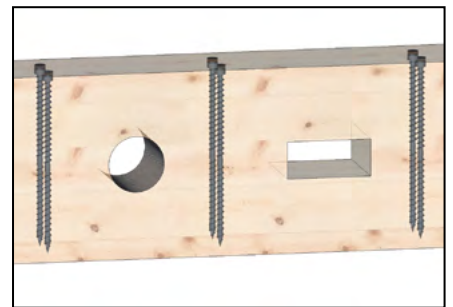
Rafter-purlin joints



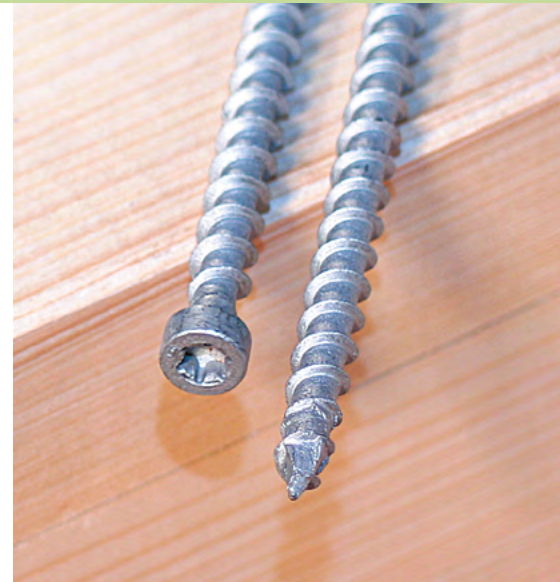
Reinforcement of cross sectional weak points



Transmission of considerable compressive forces



Penetrations



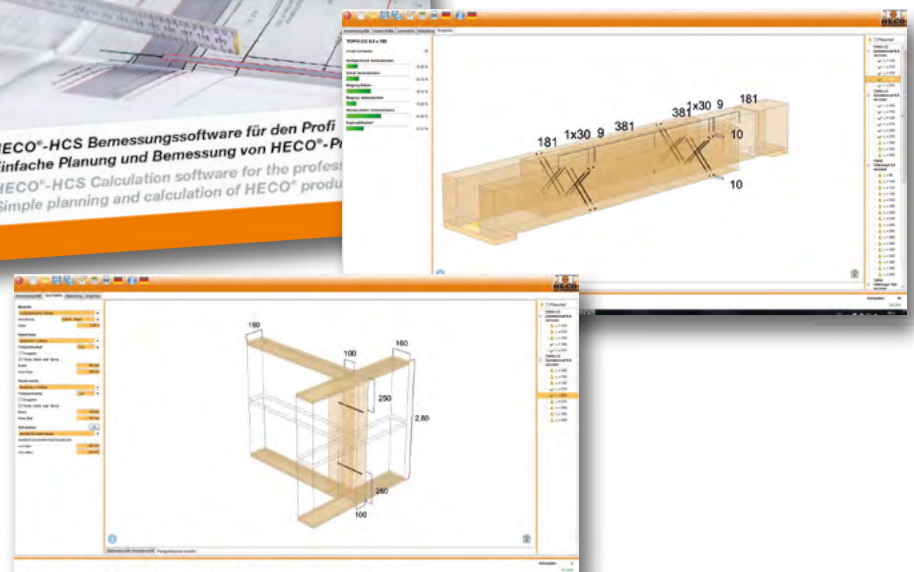
HECO-TOPIX®-CombiConnect

Simple planning and calculation of wood construction applications with HECO-TOPIX®-CC



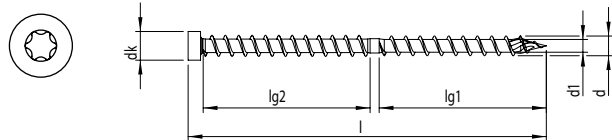
Calculation tools:

- Main beam to secondary beam connections
- Beam reinforcement
- Shear reinforcement in case of penetrations and notches
- Beam head restoration
- Support reinforcements
- Lateral joist reinforcement
- Wall connections, etc



You will find the detailed description of the calculation software HCS on page 224 of this product catalogue.

Type:	HECO-TOPIX-CombiConnect, cylindric head	
	double thread	
Material:	carbon steel	
Surface:	bright zinc plated, A2K	Color code HECO-Label
Recess:	T-Drive	



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS									
6,5	100	48280	45/45	9,0	T-30	•	100	1.000	48.000
	130	48282	60/60	9,0	T-30	•	100	1.000	48.000
	150	48284	70/70	9,0	T-30	•	100	400	33.600
	190	48286	90/90	9,0	T-30	•	100	400	25.600
	215	48288	100/100	9,0	T-30	•	100	400	25.600
8,5	100	48290	45/45	12,0	T-40	•	100	400	33.600
	150	48292	70/70	12,0	T-40	•	100	400	25.600
	190	48294	90/90	12,0	T-40	•	100	400	19.200
	215	48296	100/100	12,0	T-40	•	50	200	12.800
	250	48298	110/110	12,0	T-40	•	50	200	12.800
	270	48300	122/122	12,0	T-40	•	50	200	9.600
	300	48302	138/138	12,0	T-40	•	50	200	9.600
	350	48304	158/158	12,0	T-40	•	50	200	6.400
400	48306	182/182	12,0	T-40	•	50	200	6.400	

Setting tool for 45° and 60° insertion angles are on page 222



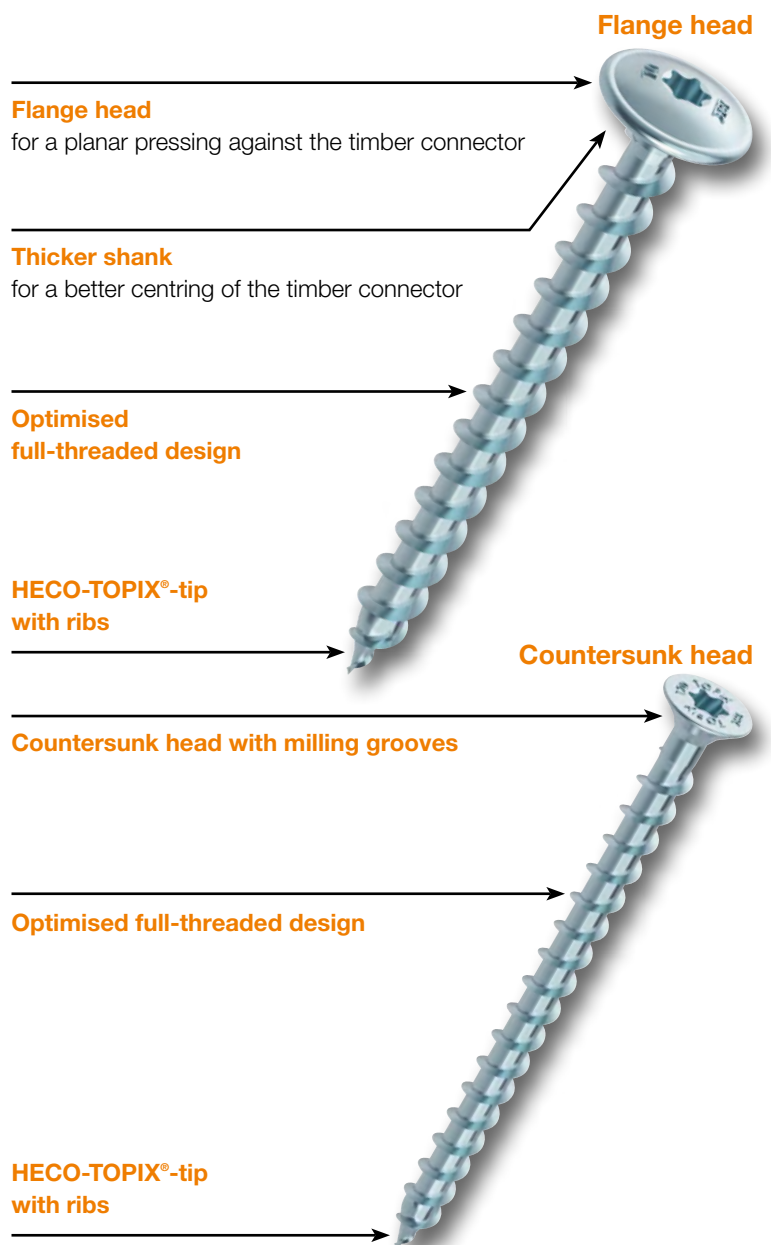
HECO-TOPIX® Connector screws

PRODUCT INFORMATION

- Perfectly adapted thread lengths for an optimal load transfer of the wood connector
- Reduced edge and centre distances
- Component of the Pitzl Calculation Software
- Countersunk head with milling grooves; no damage to the fitting surface
- Various full threaded applications are possible
- Support reinforcements
- CE-approved according to ETA-11/0284



for wood connectors



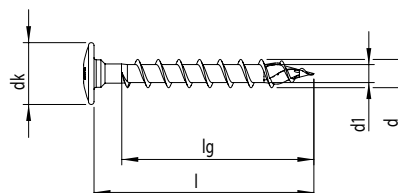
Type: connector screw, flange head
full threaded

Material: carbon steel

Surface: bright zinc plated, A2K

Color code
HECO-Label

Recess: T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

10,0	120	47745	110	22,5	T-40	•	50	200	19.200
	160	47575	150	22,5	T-40	•	50	200	12.800

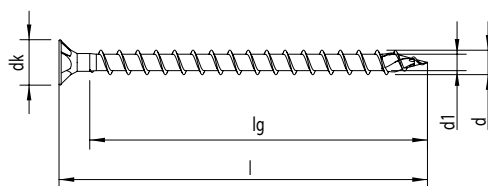
Type: connector screw, countersunk head with milling grooves
full threaded

Material: carbon steel

Surface: bright zinc plated, A2K

Color code
HECO-Label

Recess: T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

8,0	120	47577	112	14,8	T-40	•	100	400	33.600
	160	47579	152	14,8	T-40	•	100	400	25.600
	180	47581	172	14,8	T-40	•	100	400	19.200
10,0	120	47416	110	18,5	T-40	•	50	200	19.200
	160	47418	150	18,5	T-40	•	50	200	16.800

Setting tool for 45° and 60° insertion angles are on page 222



HECO-TOPIX® post screws

PRODUCT INFORMATION

- For fastening of timber posts on to steel base plates, post supporters and rammed base studs.
- Fastening of additional means of construction like props or steel braces.
- Flange head screw with reinforced shaft under the head. Better centering and flat pressing of the head on to fixture
- Range of various diameters for different sizes of predrilled holes.
- Quick mounting without predrilling
- High-Protect coating (HP) against corrosion (prevention of red rust up to 720h under salt spray testing according to DIN EN ISO 9227 NSS / DIN 50021 SS)
- CE-approved according ETA-11/0284



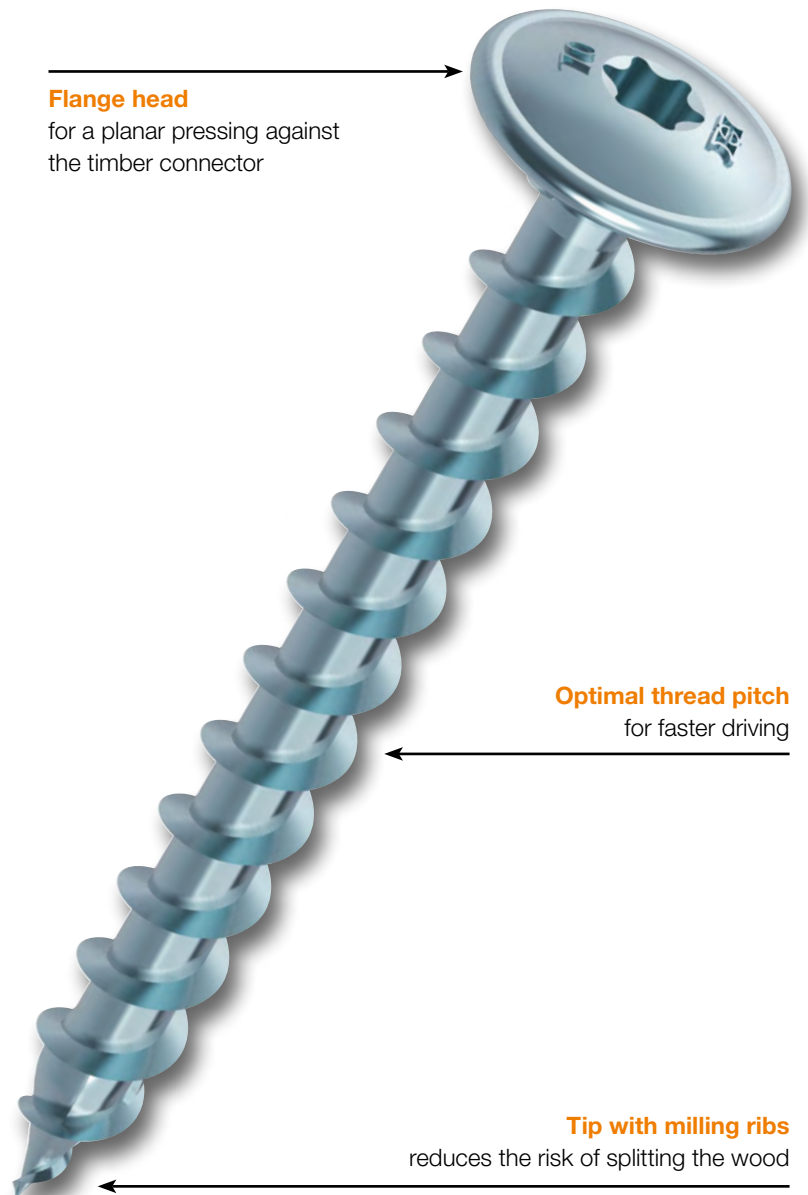
for wood connectors

Flange head

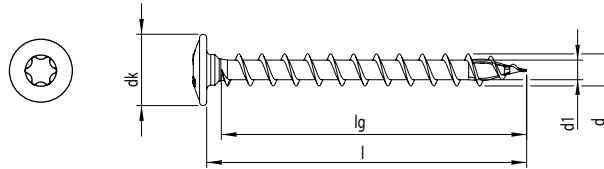
for a planar pressing against the timber connector

Optimal thread pitch
for faster driving

Tip with milling ribs
reduces the risk of splitting the wood



Type:	post screw, flange head	
	full threaded	
Material:	carbon steel	
Surface:	HP-coated	Color code HECO-Label
Recess:	T-Drive	



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

6,0	40	48728	33	14,0	T-25	•	200	2.000	96.000
	50	48730	43	14,0	T-25	•	200	2.000	96.000
	60	54211	53	14,0	T-25	•	100	1.000	48.000
8,0	40	48734	35	18,0	T-40	•	100	400	33.600
	50	48736	45	18,0	T-40	•	100	400	33.600
	60	48738	50	18,0	T-40	•	100	400	33.600

HECO-TOPIX®-flange head stainless steel screws in A2 quality can be found on page 158



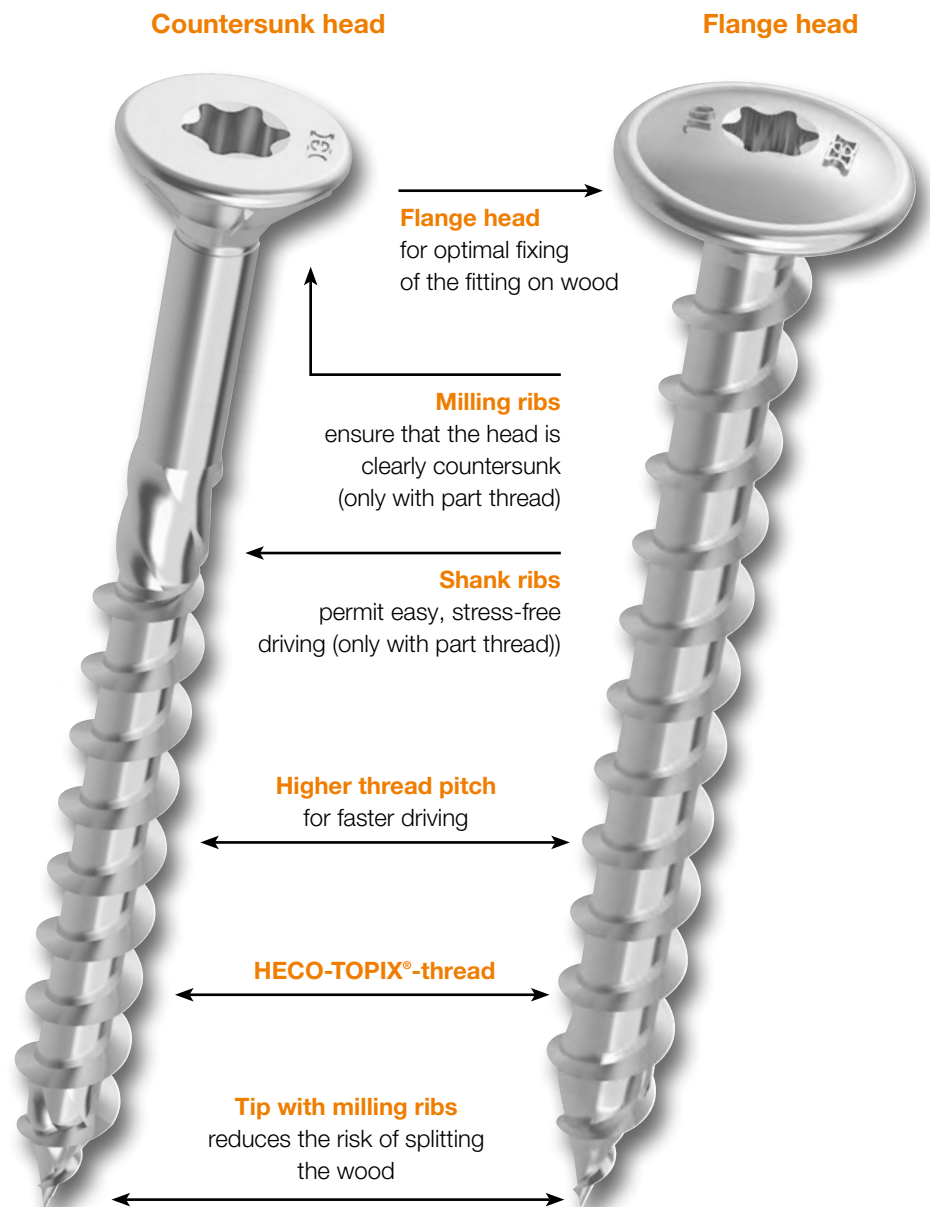
HECO-TOPIX® Stainless steel

PRODUCT INFORMATION

- Stainless steel A2 1.4567
- Corrosion resistance class II
- Used for applications of utility class 3, outdoor (Eurocode 5)
- Revolutionary tip and shank design
- Reduced risk of splitting the wood
- Faster driving
- Lower driving torque
- High cost effectiveness
- Approved and monitored product



The wood screw for outdoor areas





Type: countersunk head
full threaded

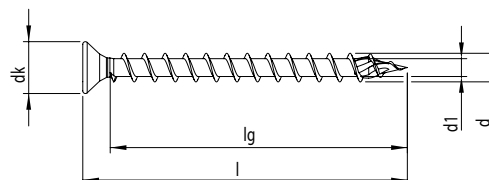
Material: stainless steel A2 1.4567



Surface: self-colour, coated



Recess: Pozi-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

5,0	50	38253	44	9,6	PZD-2	•	200	2.000	96.000
	60	38254	54	9,6	PZD-2	•	200	2.000	96.000
	70	38255	60	9,6	PZD-2	•	200	2.000	96.000



Type: countersunk head with milling ribs
part threaded

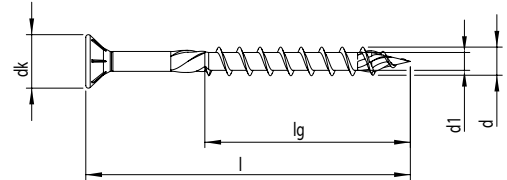
Material: stainless steel A2 1.4567



Surface: self-colour, coated

Color code
HECO-Label

Recess: T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

5,0	45	40251	28	9,6	T-25	•	200	2.000	96.000
	50	39986	28	9,6	T-25	•	200	2.000	96.000
	60	39987	38	9,6	T-25	•	200	2.000	96.000
	70	39988	42	9,6	T-25	•	200	2.000	96.000
	80	39989	47	9,6	T-25	•	200	2.000	96.000
	90	40253	55	9,6	T-25	•	200	2.000	96.000
	100	48842	60	9,6	T-25	•	100	1.000	48.000
6,0	50	40396	30	11,6	T-25	•	200	2.000	96.000
	60	40256	35	11,6	T-25	•	200	2.000	96.000
	70	40368	40	11,6	T-25	•	200	2.000	96.000
	80	44125	45	11,6	T-25	•	100	1.000	48.000
	90	40371	55	11,6	T-25	•	100	1.000	48.000
	100	40372	60	11,6	T-25	•	100	1.000	48.000
	110	40374	60	11,6	T-25	•	100	1.000	48.000
	120	40376	60	11,6	T-25	•	100	1.000	48.000
	140	40378	60	11,6	T-25	•	100	1.000	48.000
160	40380	60	11,6	T-25	•	100	800	38.400	

Type: countersunk head with milling ribs
part threaded

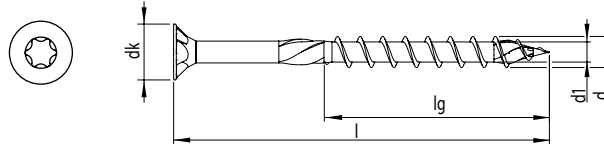
Material: stainless steel A2 1.4567



Surface: self-colour, coated

Color code
HECO-Label

Recess: T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

8,0	80	41863	60	14,8	T-40	•	100	400	38.400
	100	41865	60	14,8	T-40	•	100	400	38.400
	120	41867	70	14,8	T-40	•	100	400	33.600
	140	41869	70	14,8	T-40	•	100	400	38.400
	160	41871	100	14,8	T-40	•	100	400	25.600
	180	41873	100	14,8	T-40	•	100	400	25.600
	200	41875	100	14,8	T-40	•	100	400	19.200
	220	46852	100	14,8	T-40	•	50	200	12.800
	240	46853	100	14,8	T-40	•	50	200	12.800
	260	46854	100	14,8	T-40	•	50	200	9.600
	280	46856	100	14,8	T-40	•	50	200	9.600
	300	46857	100	14,8	T-40	•	50	200	9.600
	320	41887	100	14,8	T-40	•	50	200	9.600
	340	41889	100	14,8	T-40	•	50	200	9.600
	360	41891	100	14,8	T-40	•	50	200	6.400
	380	41893	100	14,8	T-40	•	50	200	6.400
400	41895	100	14,8	T-40	•	50	200	6.400	



Type: flange head
full threaded

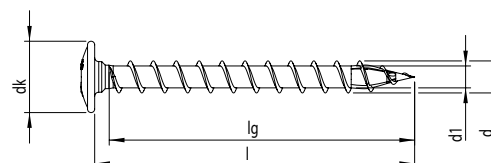
Material: stainless steel A2 1.4567



Surface: self-colour, coated

Color code
HECO-Label

Recess: T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

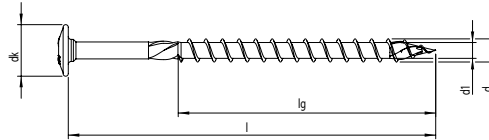
VARIANTA - BOXES FOR PROFESSIONALS

6,0	40	48746	33	14,0	T-25	•	200	2.000	96.000
	50	48752	43	14,0	T-25	•	200	2.000	96.000
	60	54212	53	14,0	T-25	•	100	1.000	48.000
	70	48756	60	14,0	T-25	•	100	1.000	48.000
	80	46987	70	14,0	T-25	•	100	1.000	48.000
8,0	40	46888	35	18,0	T-40	•	50	200	19.200
	50	46889	45	18,0	T-40	•	50	200	19.200
	60	46890	50	18,0	T-40	•	50	200	19.200
	80	46848	70	18,0	T-40	•	50	200	19.200
	100	46849	80	18,0	T-40	•	50	200	19.200
	120	46851	100	18,0	T-40	•	50	200	19.200

Type:	flange head part threaded
Material:	stainless steel A2 1.4567
Surface:	self-colour, coated
Recess:	T-Drive



Color code
HECO-Label



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

6,0	100	44573	70	14,0	T-25	•	100	1.000	48.000
	120	48758	70	14,0	T-25	•	100	1.000	48.000
8,0	140	46891	100	18,0	T-40	•	50	200	19.200
	160	46892	100	18,0	T-40	•	50	200	12.800
	180	46893	100	18,0	T-40	•	50	200	12.800
	200	46894	100	18,0	T-40	•	50	200	12.800
	220	46895	100	18,0	T-40	•	50	200	12.800
	240	46896	100	18,0	T-40	•	50	200	12.800
	260	46897	100	18,0	T-40	•	50	200	9.600
	280	46898	100	18,0	T-40	•	50	200	9.600
	300	44973	100	18,0	T-40	•	50	200	9.600



HECO-TOPIX®-T Solar

PRODUCT INFORMATION

- For mounting solar brackets on on-rafter insulated roofs
- Secondary thread fixes the counter batten
- Flange head for optimal fixing of the fitting on wood
- Stainless steel A2, material no. 1.4567
- Approved and monitored product



The wood screw of mounting of solar systems on roofs with on-rafter insulation

Flange head

for optimal fixing of the fitting on wood

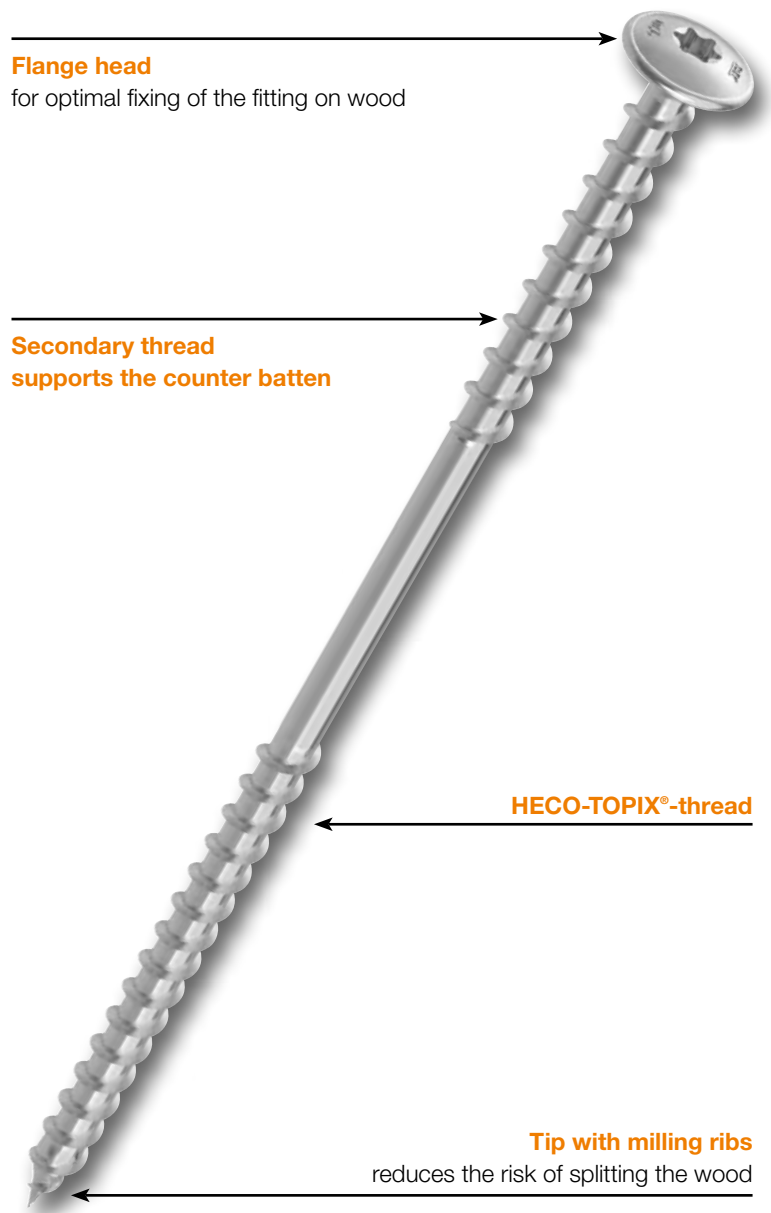
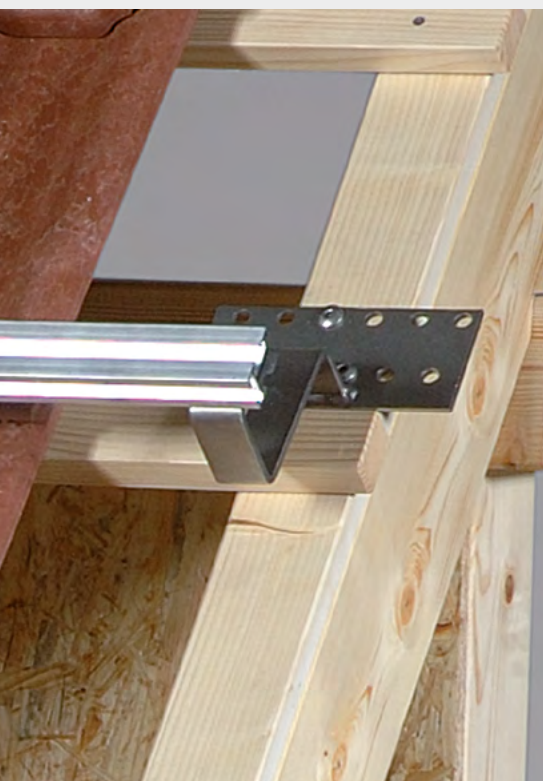
Secondary thread



supports the counter batten

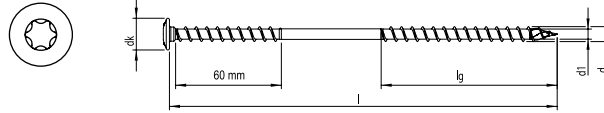
HECO-TOPIX®-thread

Tip with milling ribs

reduces the risk of splitting the wood



Type:	HECO-TOPIX-T Solar, flange head	
	secondary thread	
Material:	stainless steel A2 1.4567	
Surface:	self-colour, coated	 Color code HECO-Label
Recess:	T-Drive	



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

8,0	240	45672	100	18,0	T-40	•	50	200	12.800
	300	44882	100	18,0	T-40	•	50	200	9.600
	360	45674	100	18,0	T-40	•	50	200	6.400



SPECIAL TIMBER CONSTRUCTION

THE OPTIMAL SCREW FOR CONSTRUCTIVE
TIMBER CONSTRUCTION



HSC-S



HECO®-SC-S

PRODUCT INFORMATION

- Fixing timber to steel and aluminium substructures in one step
- High corrosion resistance thanks to stainless steel
- Hardened, zinc-plated drill point
- The ensuring of the correct pre-drill diameter allows an ideal fastening in the substructure
- Increased diameter of the timber bore hole: reduced problems through timber swelling and shrinking
- No discolouration of the timber thanks to stainless steel
- Optimum contact pressure
- Quick, secure and efficient installation
- Countersunk head anchorage in hard- and softwoods



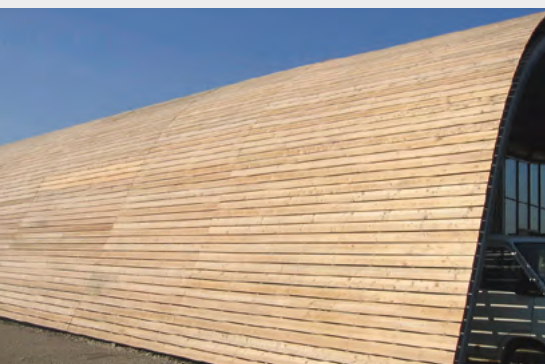
Outdoor connections of timber on metal structures

Countersunk head

Full and part threaded

Stainless steel A2,
bright zinc plated

Winged self drilling tip
(Carbon steel)



Type: HECO-SC-S winged self-drilling fastener, countersunk head
full threaded

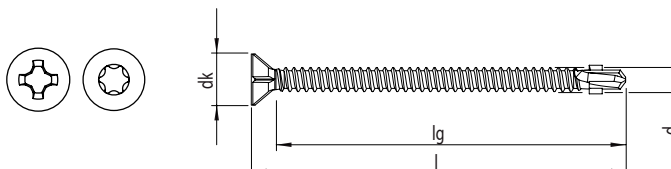
Material: stainless steel A2 1.4301



Surface: bright zinc plated

Color code
HECO-label

Recess: PH-Drive/T-Drive



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Piece per outer carton [pcs.]	Piece per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	-------------------------------------	-------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

4,8	42	53357	27,0	10,0	PH-2	100	1.000	48.000
	72	53358	57,0	10,0	PH-2	100	1.000	48.000
5,5	55	53359	32,5	10,0	T-30	100	1.000	48.000
	75	53360*	32,5	10,0	T-30	100	1.000	48.000

Screws with a diameter of 4,8 mm have a countersunk head with milling ribs

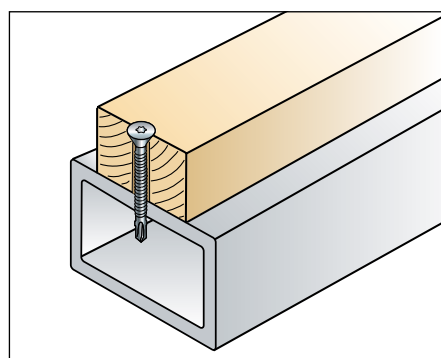
*Differing version with part thread

TECHNICAL INSTALLATION SPECIFICATIONS

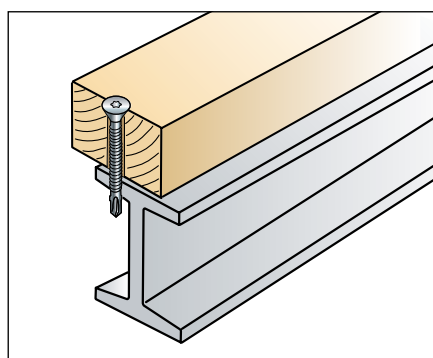
Size D x L [mm]	Drilling capacity [mm]		Max. clamping strength t_{fix} [mm]
	Steel S235	Aluminium	
4,8	42	1 – 3	25
	72	1 – 3	55
5,5	55	2 – 5	34
	75	2 – 5	54

t_{fix} = Thickness of the complete decking (timber + metal)

APPLICATION EXAMPLES

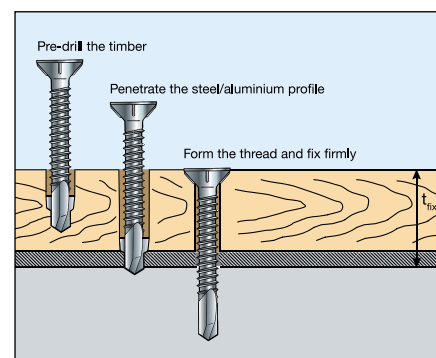


Mounting of decking on to metal or alloy square-type bars



Mounting of decking on to double-T-girders

INSTALLATION



Installation of the HECO-SC-S



HECO®-WR

PRODUCT INFORMATION

- Very high performance
- Insertion parallel to the grain possible too
- No decline of load bearing capacity from 90° to 45° relative to the grain
- Installation without pre-drilling
- Low splitting tendency: small edge and intervening spacing
- Reduction of time and costs
- Wide range of applications
- High corrosion resistance (Durocoat)
- CE-marking based on ETA-12/0062



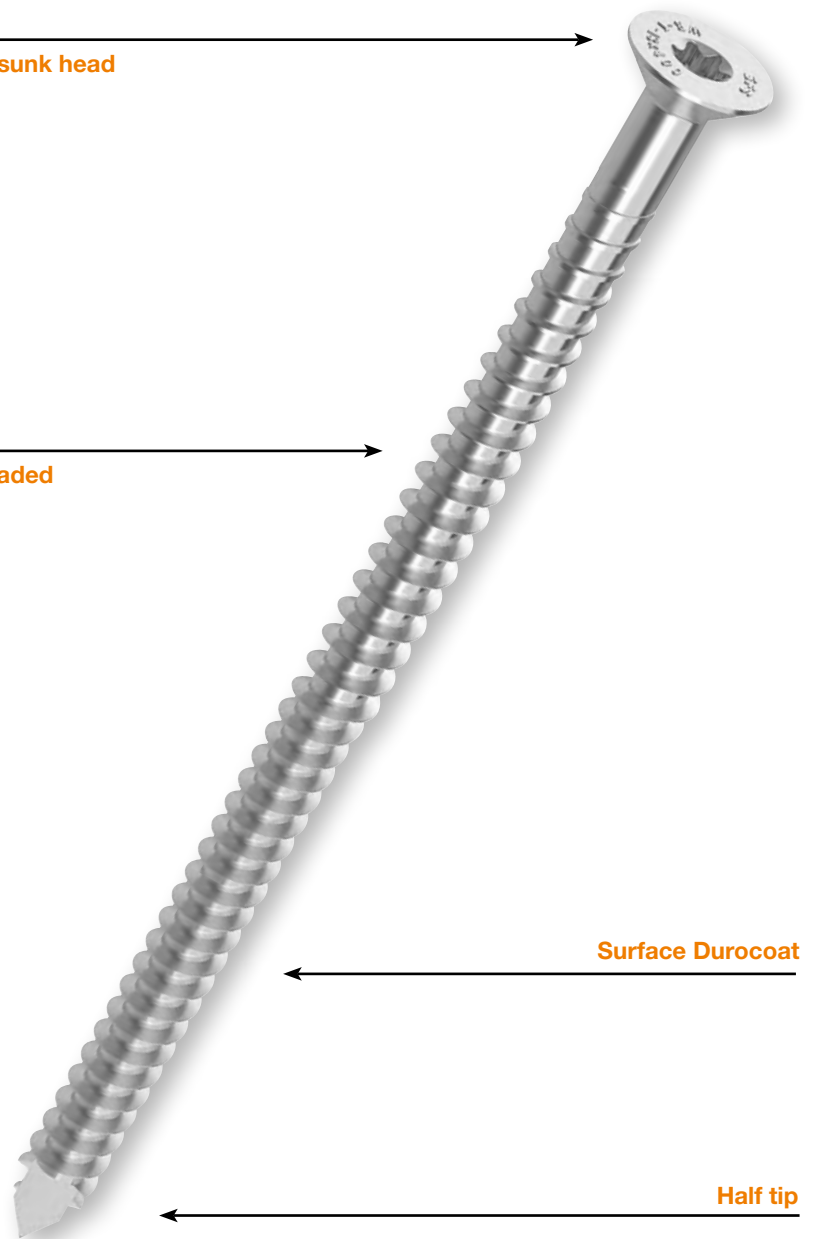
More power in structural timberwork

Countersunk head

Full threaded

Surface Durocoat

Half tip



Type: HECO-WR special full threaded screw, countersunk head

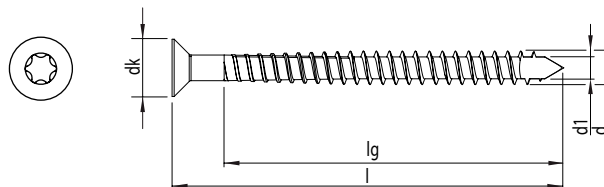
full threaded

Material: carbon steel

Surface: Durocoat

Color code
HECO-label

Recess: T-Drive

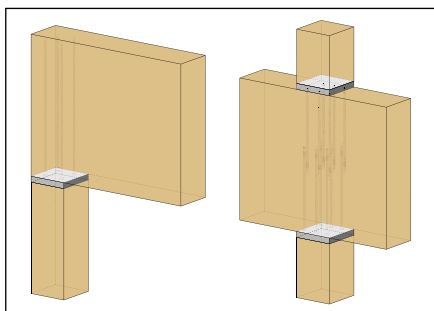


Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Piece per outer carton [pcs.]	Piece per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	------------------------	-------------------------------------	-------------------------------

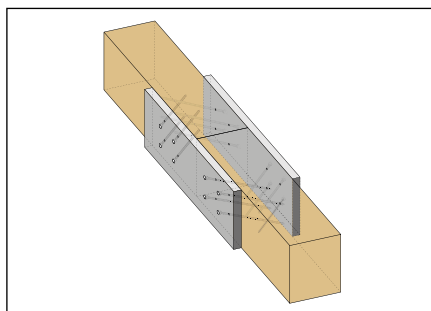
VARIANTA - BOXES FOR PROFESSIONALS

13,0	400	53334	380	22,0	T-50	•	25	100	3.200
	500	53336	480	22,0	T-50	•	25	100	3.200
	600	53337	580	22,0	T-50	•	25	-	1.000
	700	53338	680	22,0	T-50	•	25	-	1.000
	800	53339	780	22,0	T-50	•	25	-	1.000
	900	53340	880	22,0	T-50	•	25	-	1.000
	1.000	53341	980	22,0	T-50	•	25	-	1.000

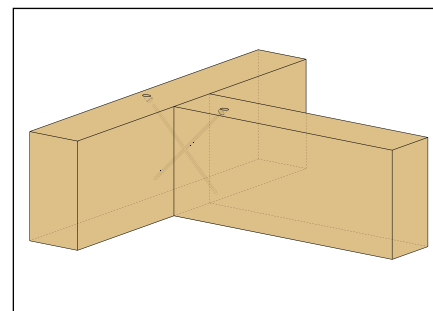
APPLICATION EXAMPLES



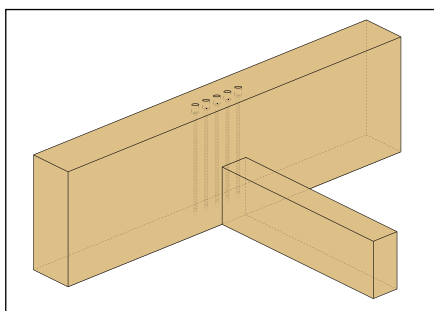
Bearing reinforcements



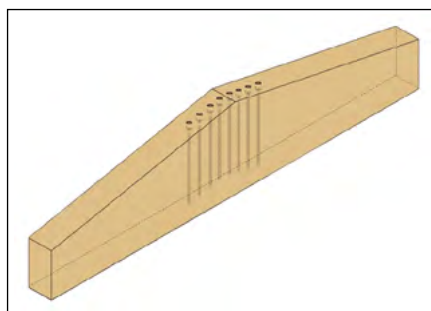
Steel plates in general



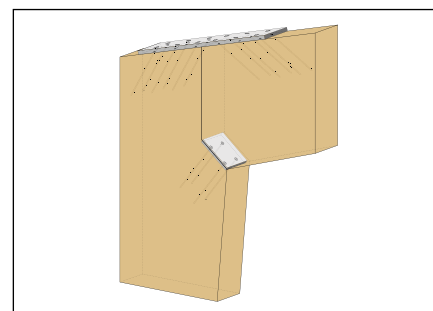
Main/secondary beams



Lateral tension reinforcement



Double-pitch roofs



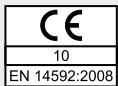
Frame corners



HECO®-WS

PRODUCT INFORMATION

- Easy to use without pre-drilling of steel or timbers
- Self drilling due to special drilling tip
- Can be used for many applications
- Simple, reliable calculation according to EN 1995-1-1
- High yield moment $M_{y,k} = 31,93 \text{ Nm}$
- Dismountable
- Fastening via the thread underneath the head
- High fire resistance
- Form-fitting direct fastening results in maximum fitting accuracy
- Aesthetically pleasing connection without destruction of the rear surface of the timber



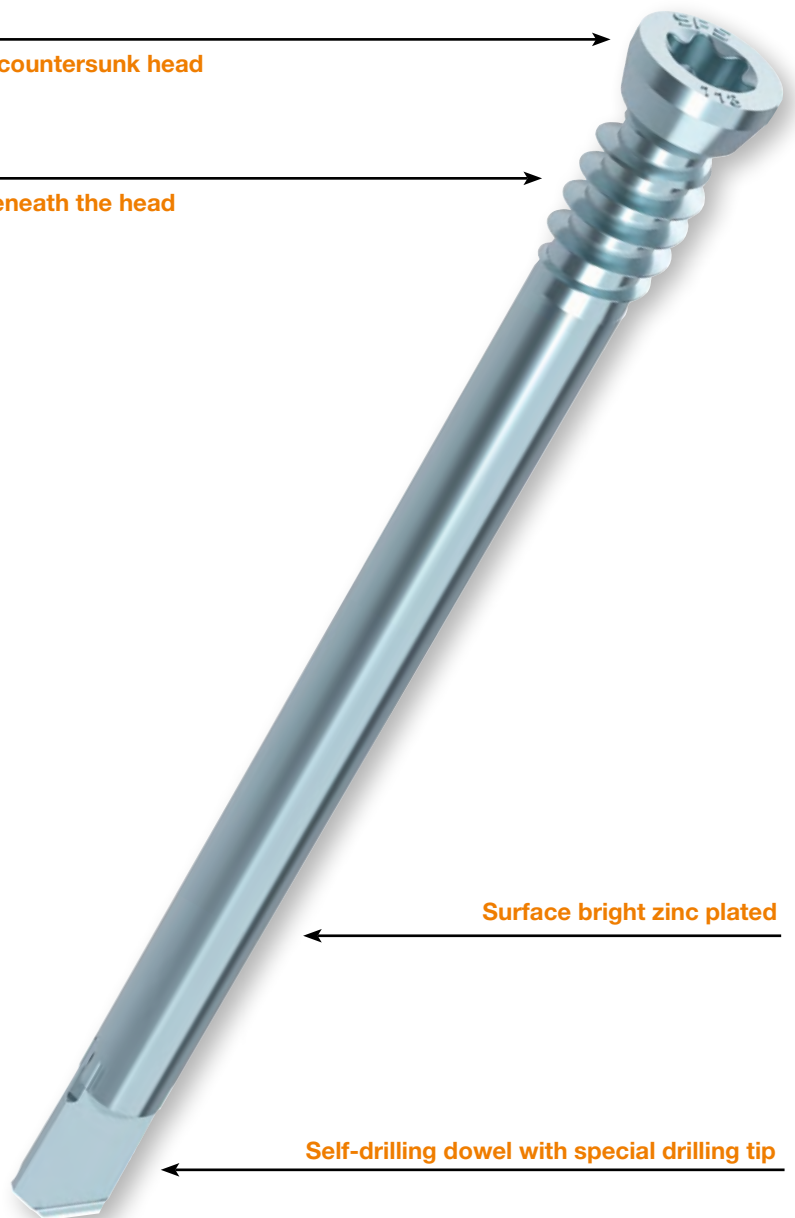
Enhanced efficiency in structural timberwork

Cylindric countersunk head

Thread beneath the head

Surface bright zinc plated

Self-drilling dowel with special drilling tip



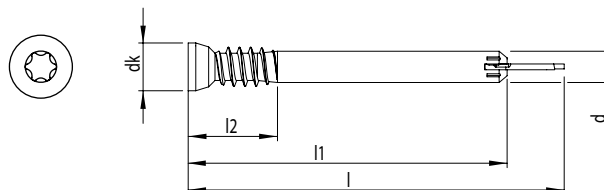
Type: HECO-WS steel dowel, cylindric countersunk head
secondary thread

Material: carbon steel

Surface: bright zinc plated, A2K

Color code
HECO-label

Recess: T-Drive



Size D x L [mm]	Article No.	Thread length l2 [mm]	Head diameter [mm]	Recess	CE	Packing unit [pcs.]	Piece per outer carton [pcs.]	Piece per pallet [pcs.]
--------------------	-------------	--------------------------	--------------------------	--------	----	------------------------	-------------------------------------	-------------------------------

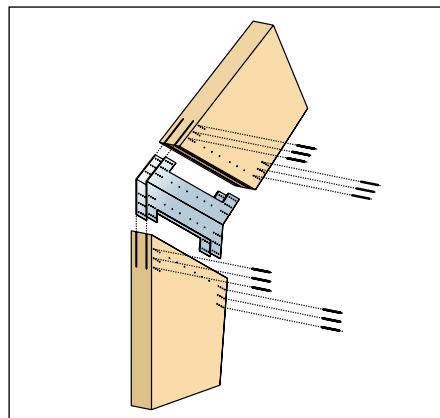
VARIANTA - BOXES FOR PROFESSIONALS

7,0	73	53342	21	10,0	T-40	O	100	400	28.800
	93	53344	21	10,0	T-40	O	100	400	28.800
	113	53346	21	10,0	T-40	O	100	400	24.000
	133	53347	21	10,0	T-40	O	100	400	24.000
	153	53348	21	10,0	T-40	O	50	200	14.400
	173	53349	21	10,0	T-40	O	50	200	12.800
	193	53350	21	10,0	T-40	O	50	200	12.800
	213	53351	21	10,0	T-40	O	50	200	12.800
	233	53352	21	10,0	T-40	O	50	200	12.800

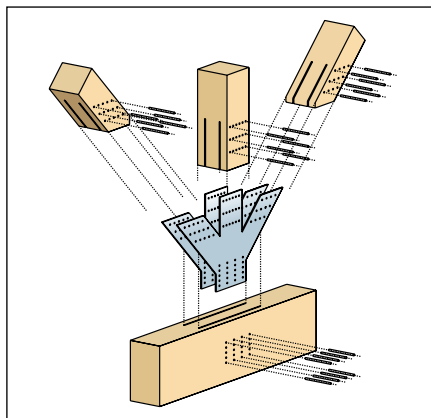
O = CE according EN 14592:2008

APPLICATION EXAMPLES

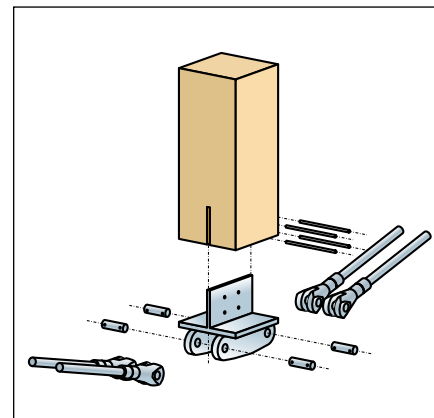
- Post and rail joint
- Fixed column base plate
- Assembly joint/repairs
- Supporting joint



Frame corner



Framework joint



Base clamping



HECO®-WB

PRODUCT INFORMATION

- Lateral tensile reinforcement without glueing
- Time saving of up to 50%
- No glueing authorisation requested
- Without temperature requirements
- Easy and reliable calculation
- High tensile strength of 800 N/mm²
- Individually cut to length
- Easy storage
- Insertion sleeve for countersinking
- Diameters [mm]: 16.0, 20.0
- Length [mm]: 3000, individually cut to length
- Approved and monitored product according to Z-9.1-777

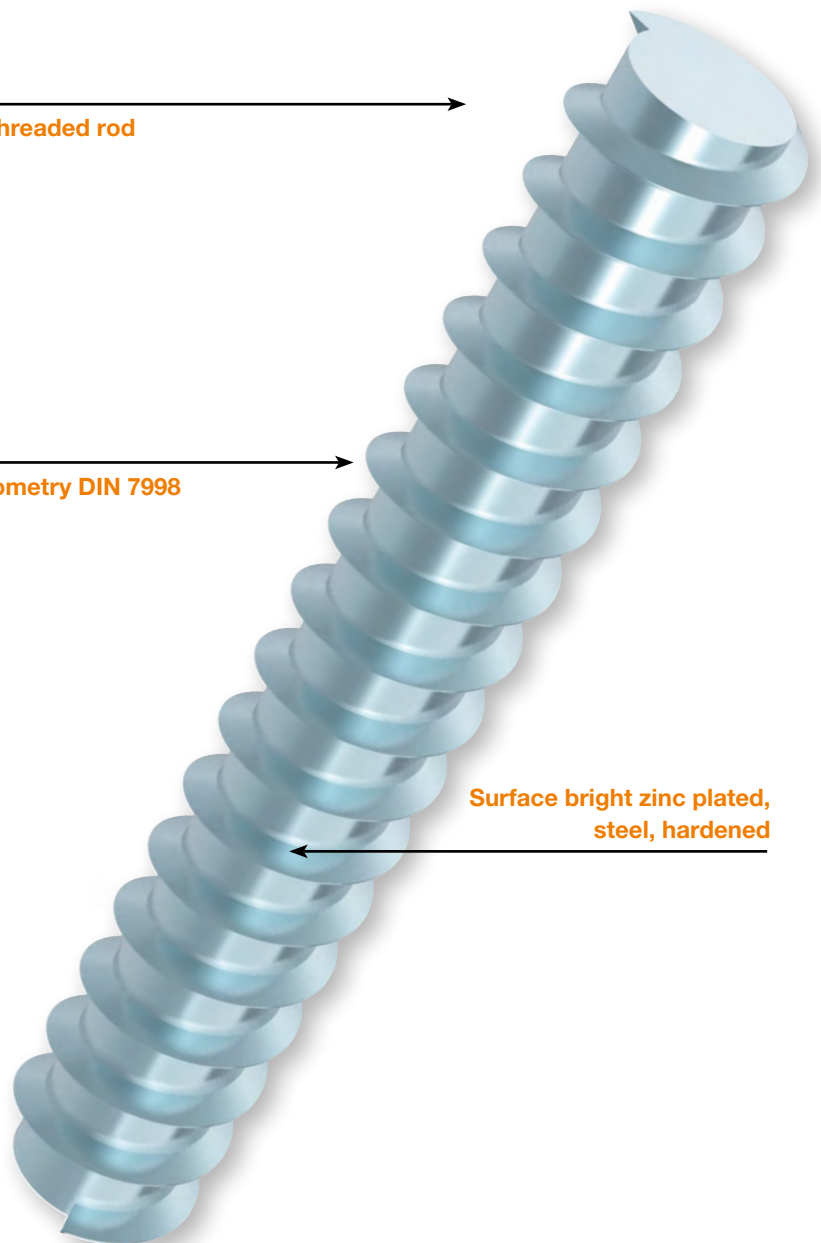


Simple solution for lateral tensile reinforcements

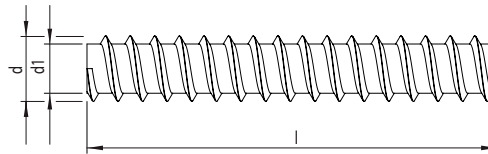
Headless threaded rod

Thread geometry DIN 7998

Surface bright zinc plated, steel, hardened



Type:	HECO-WB threaded rod bar	
	full threaded	
Material:	carbon steel	
Surface:	bright zinc plated, A2K	Color code HECO-label
Recess:	installation tool	



Size D x L [mm]	Article No.	Thread length [mm]	Head diameter [mm]	Recess	ETA	Packing unit [pcs.]	Piece per outer carton [pcs.]	Piece per pallet [pcs.]
--------------------	-------------	-----------------------	--------------------------	--------	-----	---------------------------	-------------------------------------	-------------------------------

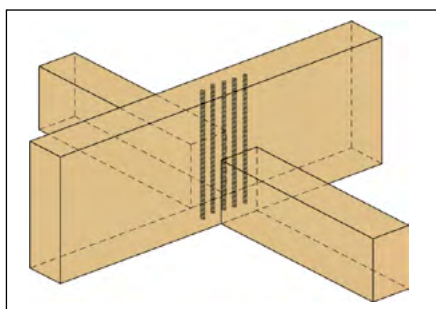
INDUSTRIAL BOXES

16,0	3.000	53353	3.000	-	O	5	-	-
20,0	3.000	53354	3.000	-	O	5	-	-

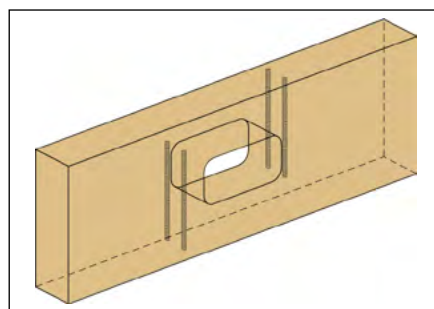
O = Z-9.1-777

The appropriate setting tools can be found on page 211

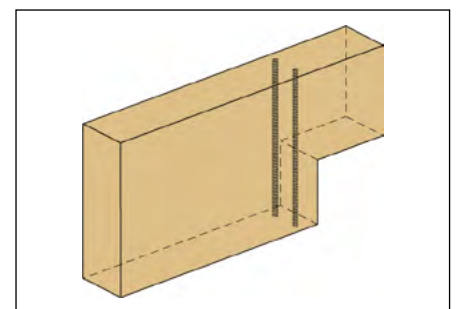
APPLICATION EXAMPLES



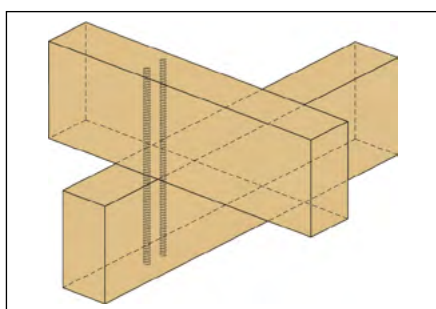
Transverse joints



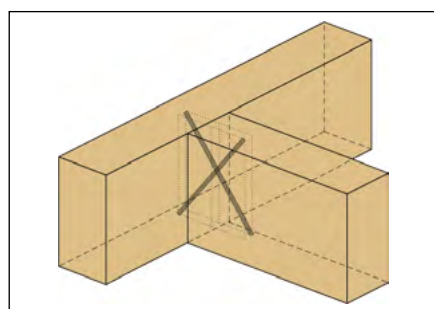
Penetrations



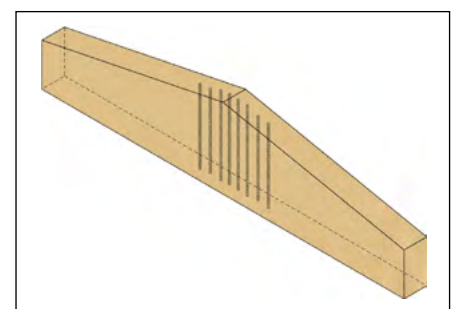
Notching



Connections



Main/secondary beams



Double-pitch roof purlin



MULTI-MONTI[®]-plus

THE ORIGINAL AMONG THE CONCRETE
SELF-TAPPING SCREW ANCHORS



MMS-plus



MULTI-MONTI®-plus

PRODUCT INFORMATION

- Easy settable screw anchor even in case of worn drills
- Optimized concrete thread with full threaded variations for highest demands
- Two embedment depths for more flexibility
- Settable by means of power-tools and immediately loadbearing
- Increased product assortment and dimensions for various applications taking design and application areas into account
- Wider approved assortment of products for ETA option 1 from MMS-plus 6, including seismic from diameter 10 mm



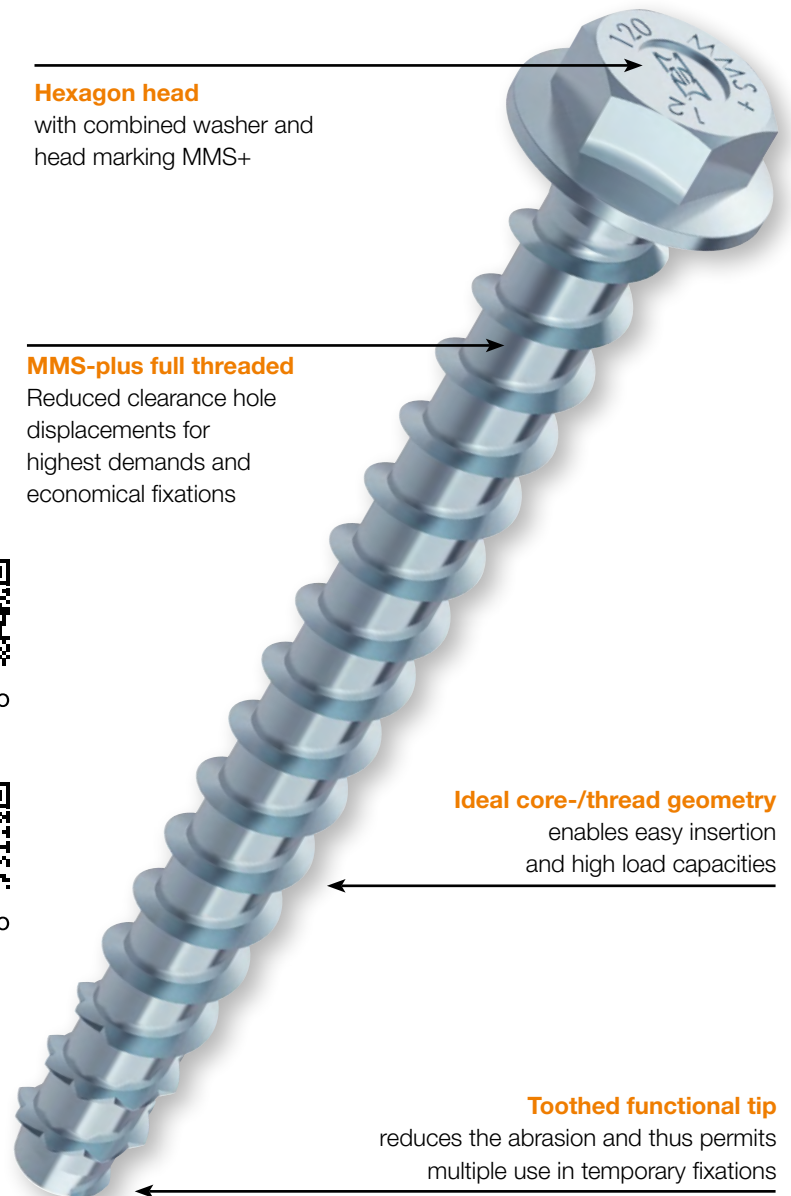
The Original among the concrete self-tapping screw anchors

Hexagon head

with combined washer and head marking MMS+

MMS-plus full threaded

Reduced clearance hole displacements for highest demands and economical fixations



Ideal core-/thread geometry

enables easy insertion and high load capacities

Toothed functional tip

reduces the abrasion and thus permits multiple use in temporary fixations



▶ Video



▶ Video

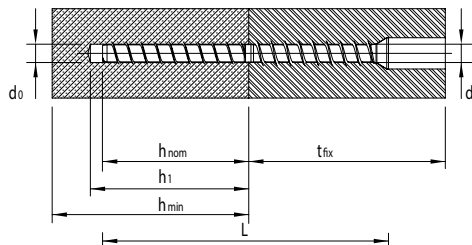
Type: MMS-TC TimberConnect

Material: carbon steel

Surface: bright zinc plated, A2K

Color code
HECO-Label

Recess: T-Drive



Size D x L [mm]	Article No.	Drill diameter d ₀ [mm]	Clamping strength t _{fix} [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	--	---	--------------------------	--------	-----------	---------------------------	--------------------------------------	--------------------------------

VARIANTA - BOXES FOR PROFESSIONALS

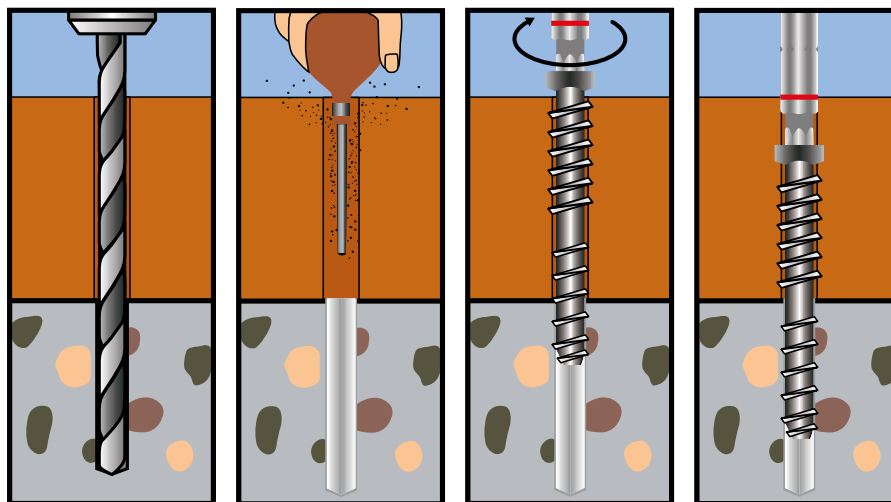
7,5	100	48308	6,0	40-140	10,0	T-30	O	50	500	24.000
10,0	130	48310	8,0	60-200	16,0	T-45	O	25	250	12.000
12,0	160	48312	10,0	80-300	17,0	T-50	O	25	100	8.400

O = according to the German DIBt-approval no. Z-21.1-1879

The appropriate setting tools can be found on page 210

The right way to install

1. Drilling
2. Cleaning
3. Screwing
4. Finished



▶ Video

MMS-plus



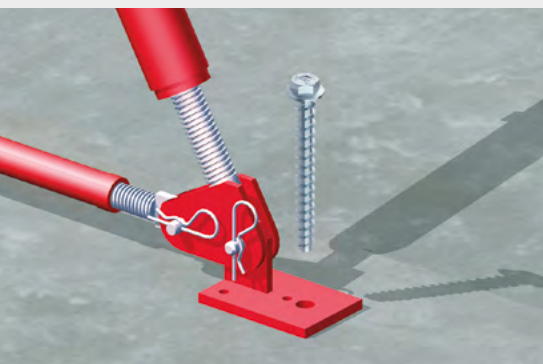
MULTI-MONTI®-plus SSK

PRODUCT INFORMATION

- Temporary fastenings of site equipment for example props, push-pull props, guardrails or scaffolding
- Disassembling and reusability is permitted when using checking gauge
- Approved for the use in young concrete with a compression strength of at least $f_{c,cube} \geq 10 \text{ N/mm}^2$
- Clearance hole diameters from 17 – 23 mm in bracings can be covered with one screw
- Settings can be carried out with machines as no defined installation torque is required
- No expansion pressure
- Safely applicable as no hidden mounting errors can occur
- Approved and monitored product



Video



The innovative screw anchor for fastenings of push-pull props in young concrete

Head-marking MMS+

for easy identification of the anchor even after assembling

Cone underneath the head

adapts to various holediameters

Ideal core/thread geometry

enables easy insertion and high load capacities

New toothed functional tip

reduce of abrasion due to the increased outer thread diameter and the enhanced serration



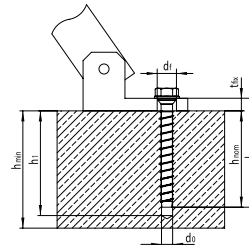
Type: MMS-plus SSK hexagon head with combined washer and cone

Material: carbon steel

Surface: bright zinc plated, A2K

Color code
HECO-Label

Recess: hexagon head



Size D x L [mm]	Article No.	Drill diameter d ₀ [mm]	Clamping strength t _{ex} [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
--------------------	-------------	--	--	--------------------------	--------	-----------	---------------------------	--------------------------------------	--------------------------------

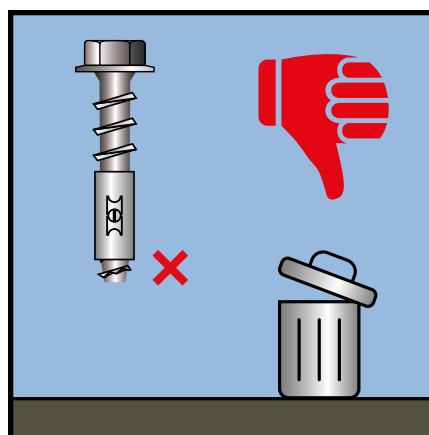
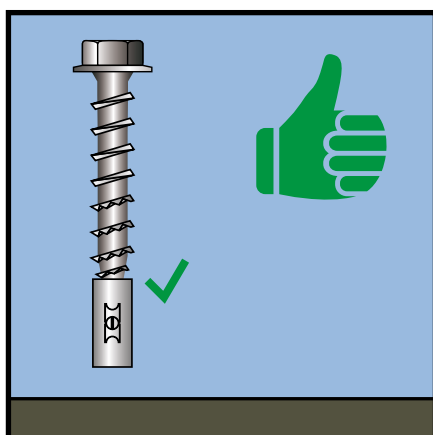
VARIANTA - BOXES FOR PROFESSIONALS

16,0	130	53794	14,0	15/30	30,0	SW-24	•/O	10	40	3.360
------	-----	-----------------------	------	-------	------	-------	-----	----	----	-------

• = ETA 15/0784

O = Z-21.8-2061 - multiple use

REUSABILITY CHECK



Due to the **HECO checking gauge** for the MMS-plus SSK with **diameter 16**, (Article no. 47794) reusability can be verified at any time when being applied for temporary fixations.



Installation tools MMS-TC

PRODUCT INFORMATION

- The appropriate and prescribed setting tool for MMS-TC
- Branded bits - especially made for HECO®
- Approved according to DIBt-approval no. Z-21.1-1879
- Setting depth index for MMS-TC
- Matching system of screws and bits
 - better accuracy
 - optimal force transmission
 - less splitting
- Higher durability

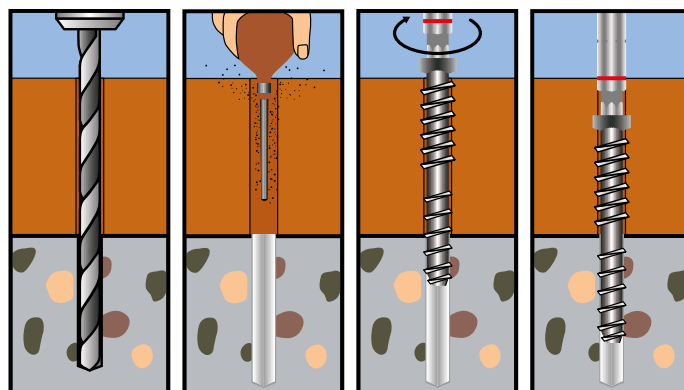


Video

For the correct mounting of MULTI-MONTI®-TC



THE RIGHT WAY TO INSTALL



Type: installation tools for MULTI-MONTI®-TimberConnect

Type	Size of recess	Article No.	Unit [pcs.]	For use with
INSTALLATION-TOOLS FOR MMS-TC SCREW-IN-ANCHORS				
MMS-TC installation tool T-30	with T-Drive bit	43603	1	MMS-TC 7,5
MMS-TC installation tool T-45	with 1/2"-socket wrench drive	47095	1	MMS-TC 10
MMS-TC installation tool T-50	with 1/2"-socket wrench drive	43605	1	MMS-TC 12

The corresponding MMS-TC can be found on page 193



HECO®-WB Insertion sleeves

PRODUCT INFORMATION

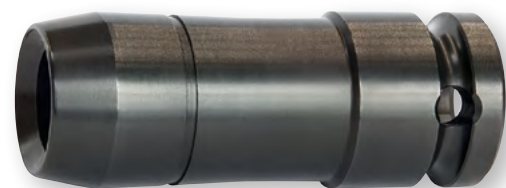
HECO®-WB insertion sleeve Ø 16

- Solid design
- Countersinkable

HECO®-WB insertion sleeve Ø 20

- With setting depth index, for flash countersinking
- With tapered tip, for easy countersinking

The insertion sleeve is a specially designed setting tool with 1/2" socket wrench drive, for the use with the HECO-WB threaded rod



Type: HECO®-WB Insertion sleeves

Type	Article No.	Unit [pcs.]
HECO-WB Insertion sleeve Ø 16,0	53355	1
HECO-WB Insertion sleeve Ø 20,0	53356	1

The corresponding HECO-WB threaded rod bar can be found on page 177



Washers

PRODUCT INFORMATION

- Washer for HECO-TOPIX® countersunk head screws for diameter 8 and 10 mm

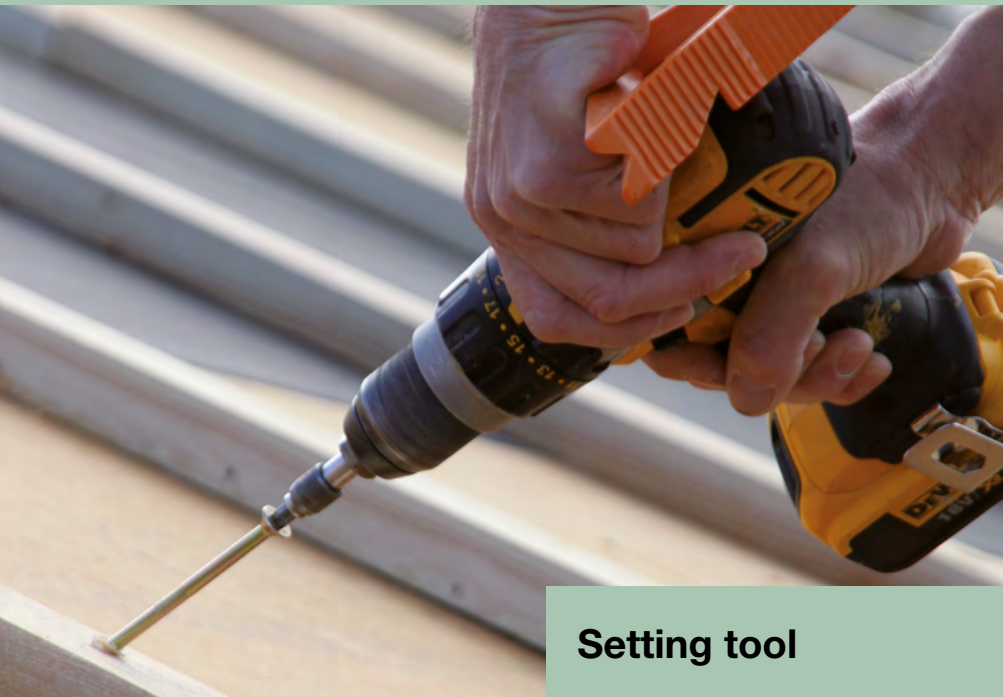


for HECO-TOPIX® Countersunk head screws



Type: Washer for HECO-TOPIX® countersunk head screws for diameter 8 and 10 mm bright zinc plated, packed in SKV - small boxes per 50 pieces

Type	Diameter of the screw [mm]	Diameter of the washer [mm]	Surface	Article No.	Unit [pcs.]
HECO®-WASHERS					
	8	25	bright zinc plated, A2K	42260	50
	10	30	bright zinc plated, A2K	42281	50



Setting tool

PRODUCT INFORMATION

- Setting tool for HECO-TOPIX® Wood screws
- 60° and 45° angles to the surface
- Screw connections in an angle of 45° close to the edges are possible
- Index on the bottom
- Ribs prevent slipping of the tool

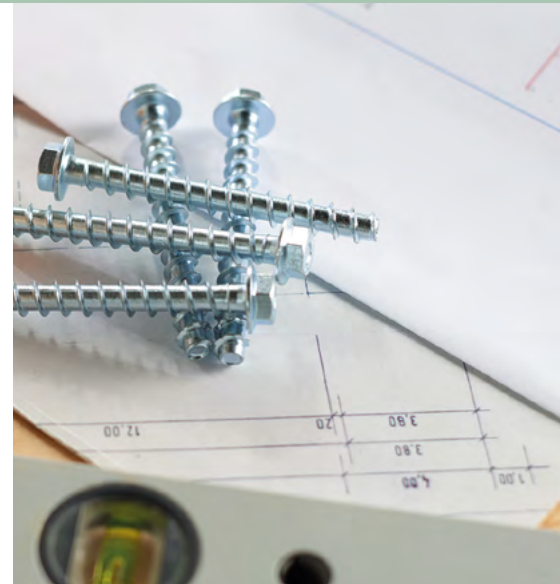
Setting tool for HECO-TOPIX® wood screws



Type: plastic setting tool, orange, 20 x 20 cm

Type	Article No.	Unit [pcs.]
Setting tool	45734	1

The corresponding HECO-TOPIX® wood screws, HECO-TOPIX®-T and HECO-TOPIX®-CC can be found on pages 122, 123, 139, 143 and 145



Design support

PRODUCT INFORMATION

- Professional planning tool
- Calculation of HECO® products
- Tools:
 - Anchor design
 - Fixing for railing
 - On-rafter insulation
 - Lifting verification
 - Timber construction design
 - Façade, etc.
- Easy handling
- Printouts with installation drawings
- HECO®-HCS is available as a free download or on a CD

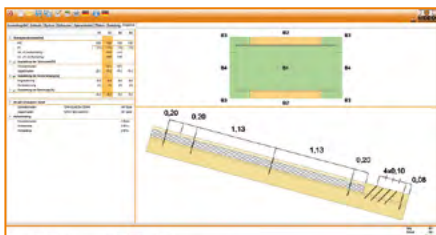
HECO® Calculation software HCS



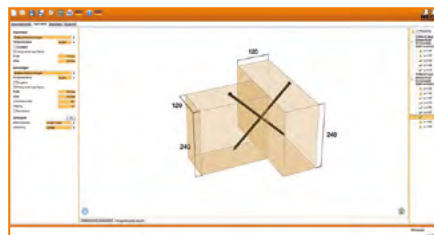


Design support

CALCULATION-TOOLS (17 different calculation tools are available)



On-rafter insulation



Connection main beam/secondary beam



Fixing for railing



Type: the HECO®-HCS Calculation software is available as a free download on web site www.heco-schrauben.com or CD

Type	Article No.	Unit [pcs.]
HECO®-HCS Calculation software	<u>42531</u>	1

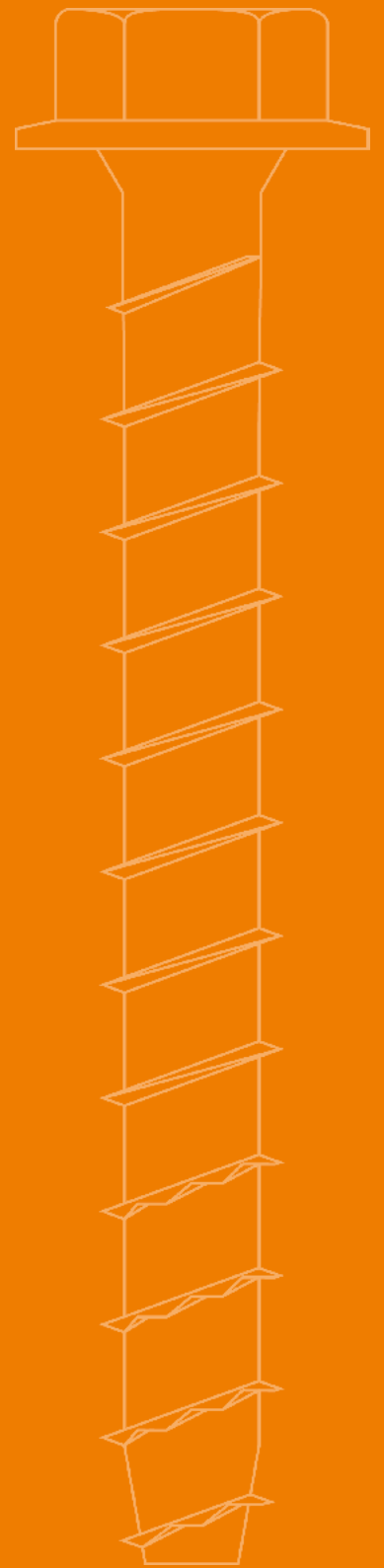


Please visit our website for more usefull information!

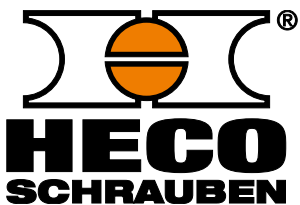


www.heco-schrauben.com





Safe and secure



HECO-Schrauben GmbH & Co. KG

Dr.-Kurt-Stein-Straße 28
D-78713 Schramberg
Tel.: +49 (0) 74 22 / 9 89-0
Fax: +49 (0) 74 22 / 9 89-200
E-Mail: info@heco-schrauben.de
Internet: www.heco-schrauben.com