REISSER®

SERVICES

INDUSTRY

CUSTOMISED FASTENING SOLUTIONS FOR INDUSTRY

REISSER

REISSER

CONTENT

WELCOME TO REISSER SCHRAUBENTECHNIK

REISSER Schraubentechnik is synonymous with the development and production of innovative fastening elements and services for professionals - made in Germany.

Founded in 1921, REISSER Schraubentechnik has developed into a specialist company for fastening and connection elements with its own production facility in Ingelfingen-Criesbach. Our core competence of stainless steel screw production brings together first-class manufacturing expertise and over 100 years of experience. We supply high-quality fasteners and top-class services for professionals in the fields of Wood construction, decking, building envelopes (roofs, facades), solar, industry, window construction and mullion and transom fastenings.

The connection elements are finished in the company‘s own electroplating facility, which also provides coating solutions for components used in a wide range of industries.

We support the specialist trade with our fastening elements and sophisticated sales systems for the point of sale.

From summer 2025 onwards, our products will be shipped from our company‘s own logistics centre in Osterburken. Today, 333 colleagues ensure the success of the REISSER Group and that of our customers.

FACTS

1921
Founded

333
Employees

82.8 MIO
Turnover 2024

3
Branch offices

39,000 M²
Criesbach site

20,000 M²
Logistics centre Osterburken

16,900 M²
Production area

407 TONNES
Wire/month

54 MIO PCS
Screws/month

ISO 9001
Certified

ISO 14001
Certified

ISO 50001
Certified

VISION

WE‘RE SHAPING THE FUTURE OF THE SCREW

INNOVATIVE, RELIABLE
AND THE FIRST CHOICE
FOR PROFESSIONALS
ALL OVER THE WORLD

DESIGNED BY REISSER „MADE IN GERMANY“ AND USED THROUGHOUT THE WORLD

MISSION

Our high-quality products and many customised screw connections are indispensable for professionals.

As a company with a proud tradition, we inspire craftsmen, users, planners and specialist dealers by way of a genuine partnership.

In doing so we work boldly and unconventionally - and in the interests of our customers with a focus on providing service and solutions! Always with the aim of making the user‘s work easier.

REISSER CONNECTS. THE PRODUCT AND THE PERSON.

Production is the beating heart of our company. That's because we believe in quality Made in Germany as the basis for perfect connection solutions.

PRODUCTION SPECIALISTS

Top quality is standard at our production site in Germany. Our customers can rely on our specialists' many years of experience and on our extensive, high-quality machinery and equipment. With both we're constantly innovating and guaranteeing high efficiency and consistent quality made in Germany.

WE'RE EXPERTS HERE

+ Use of all materials that can be cold formed: Stainless steel in A2 / A4 / A5 / A8 (HCR 1.4529) quality, steel in different qualities and strengths, special materials, bi-metal, aluminium, brass and much more.
+ A wide variety of heat treatments, surface treatments and surface coatings, tempering to 8.8/10.9, case hardening, inductive hardening, tempering
+ Development of innovative products
+ Development and execution according to your requirements
+ Customer-specific solutions out of several components

OUR MACHINERY

+ Presses for cold forming
+ Thread-rolling machines
+ Welding systems for bi-metal screws
+ Welding systems for solar fasteners
+ Washer completion machines
+ Inductive hardening systems
+ Annealing systems
+ Tempering ovens
+ Pinching machines

OUR COMPETENCE - STAINLESS STEEL

As an industry specialist in the production of stainless steel screws, we manufacture quality products made of A2, A4, A5 and A8 (HCR 1.4529) stainless steel in accordance with the standards applicable to the respective applications.

The most common types of stainless steel used in connection elements are A2 and A4. Stainless steel A5 is used for more stringent requirements and stainless steel A8 (HCR 1.4529) for requirements involving high corrosion resistance (HCR). These stainless steels are ideal for outdoor use.

COATING SPECIALISTS

Finishing is one of the crucial quality aspects in screw production. REISSER provides you with quick, flexible and comprehensive service and support for all your coating requirements and logistics issues.

Our options for surface coatings are ideal for both individual special requirements and large quantities. We can offer you comprehensive coating solutions based on state-of-the-art equipment and our many years of expertise, which we have been cultivating since 1935. Our product range extends not only to the fastenings industry, but also to components from a wide variety of sectors such as the automotive industry, valve technology and mechanical engineering.

OUR ELECTROPLATING EXPERTISEN

+ Electropolishing
+ Pickling and passivation
+ Varnishing
+ Electroless nickel plating
+ Zinc plating
+ RUSPERT®
+ Zinc flake

REISSER®

MANAGEMENT SYSTEMS
FOR QUALITY, ENERGY AND THE ENVIRONMENT

We have developed an integrated management system in order to achieve our goals. This includes the quality management system certified in accordance with DIN EN ISO 9001 since 1996, the environmental management system certified in accordance with DIN EN ISO 14001 since 2011 and the energy management system certified in accordance with DIN EN ISO 50001 since 2014.

We regularly provide information and resources to implement improvement projects. These projects are the basis for evaluating the set goals and defining new ones. We ensure compliance with all legal requirements and implement continuous improvements through appropriate control measures.

DIN EN ISO 9001 DIN EN ISO 14001 DIN EN ISO 50001

PRODUCT COMPARISON

Stainless steel 1.4539 and 1.4529 (A8) demonstrate a higher level of resistance to corrosion and acid (HCR) than A2 or A4 stainless steel qualities.

Fasteners made of A5 are used in atmospheres containing chlorine, such as indoor swimming pools, or in coastal areas directly affected by spray water, for example boat jetties.

Stainless steel 1.4529 (A8) (also known as super austenitic stainless steel) is an enhanced version of the material 1.4539 and is characterised by its particularly high resistance (CRC V) to localised types of corrosion, such as chlorine-induced crevice, stress or pitting corrosion. Furthermore, it has good polishing and mechanical properties and can be used in a wide range of temperatures. For this reason, the use of this material to fasten load-bearing components is mandatory in certain sectors.

National designation

Material no.	Steel quality	ISO 15510/DIN EN 10088-1 steel number	DIN EN 10088-5 short name
1.4539		4539-089-04-I	X1NiCrMoCu25-20-5
1.4529	A8	4529-089-26-I	X1NiCrMoCuN25-20-7

International designation

Material no.	Line	UNS	Alloy
1.4539	AN52A	N08904	904L
1.4529	AN52A	N08926	926

Mechanical properties

Material no.	Tensile strength Rm (N/mm^2)	Elasticity limit/yield strength Rp 0.2 (N/mm^2)	Hardness in HB	Hardness in HV
1.4539	min 530 to 730	≥ 230	≥ 230	˜242
1.4529	min 650 to 850	≥ 300	≤ 250	˜262

Key properties

Material no.	CRC	PREN*	Range	Density (kg/m^3)	Magnetisability
1.4539	IV	32,2 - 39,9	-60°C up to 400°C	8,0	low
1.4529	V	41,2 - 48,1	-196°C up to 400°C	8,1	not present

*Salt water resistance PREN value ≥ 32

IMPORTANT FEATURES

Stainless steel 1.4539 and 1.4529 (HCR, A8) have a technical approval from the Deutsches Institut für Bautechnik (DIBt, national approval no. Z-30.3-6, dated 05/03/2018).
This approval states that the use of stainless steel with CRC class V, such as our 1.4529 material, is recommended or is even mandatory for load-bearing fasteners, connectors and threaded parts.

Additional key mechanical properties for corrosion-resistant connectors can be found in the following currently applicable standards: DIN EN ISO 3506-1:2020-08 for screws, DIN EN ISO 3506-:2020-08 for nuts and in the first edition of ISO 3506-6:2020-04.

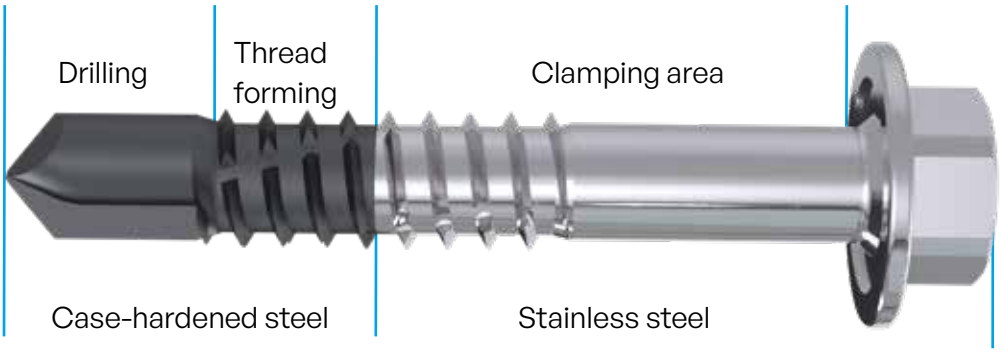
POSSIBLE APPLICATIONS FOR CONNECTING COMPONENTS

 Paper and pulp industry	**1.4539**	**1.4529**
 Chemical industry, food industry, construction industry, agriculture	**1.4539**	
 Medical technology	**1.4539**	
 Environments containing hot acids, e.g. lactic acid	**1.4539**	
 Atmospheres containing chlorine, swimming pools and bath technology		**1.4529**
 Use in seawater or brackish water, offshore technology		**1.4529**
 Tunnel and car park construction		**1.4529**

BIMETALL-VERSION

Stainless steel screws are prescribed for outdoor work in many areas. We have developed a bimetal drilling screw so that the positive properties can also be used for fastenings with steel substructures. Our high-quality, patented welding process is used to equip the stainless steel screws with a carbon steel drill tip.

Combined in this way, this product drastically reduces assembly time by up to 50%. It drills, taps, fastens and seals (with an additional sealing washer) in a single operation. Additionaly tool costs are reduced.



In a high-quality welding process, a carbon steel drill tip is applied to the stainless steel screw.

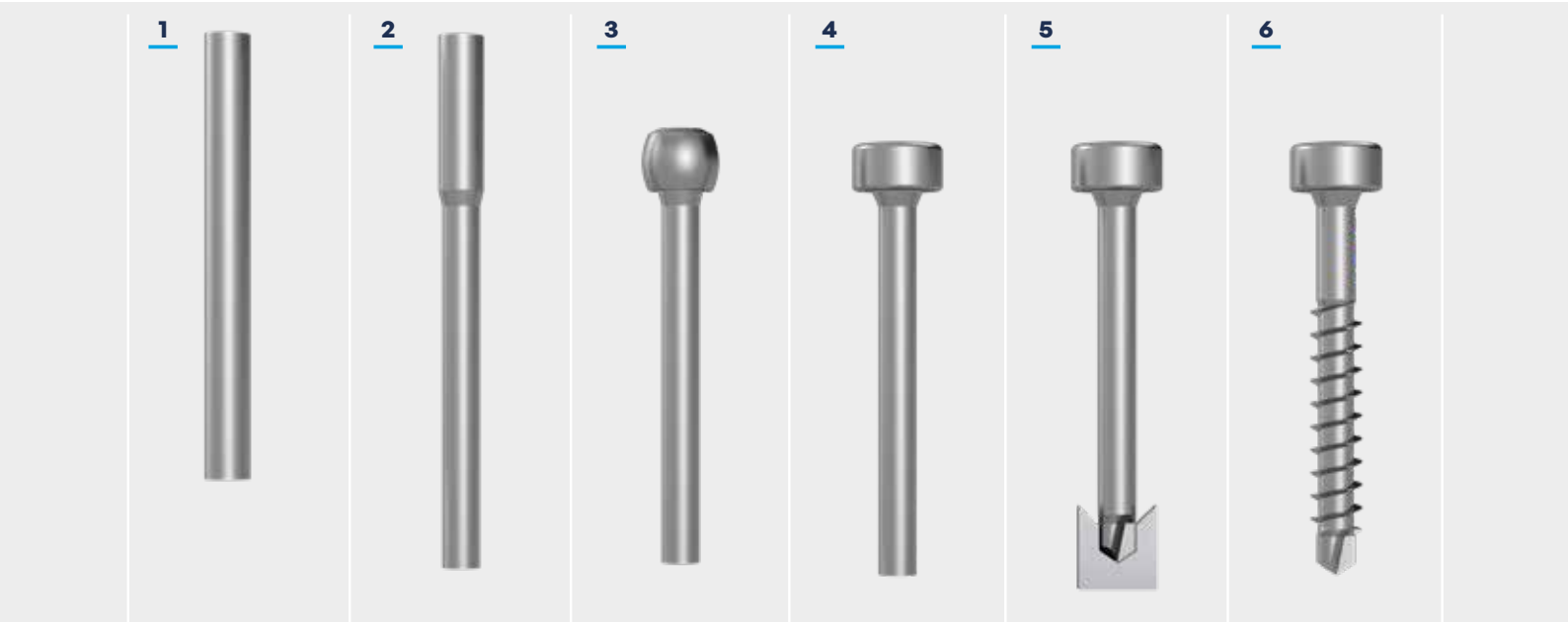
Pre-drilling is no longer necessary.

EDELSTAHL Rostfrei STAINLESS STEEL

Approval Z 14.1-4, General Foreword, Section 3.1.1
Unless otherwise indicated on the relevant instruction sheet of the approval, connection elements that are completely or partially exposed to weather or a similar moisture load must be made of non-rusting material.

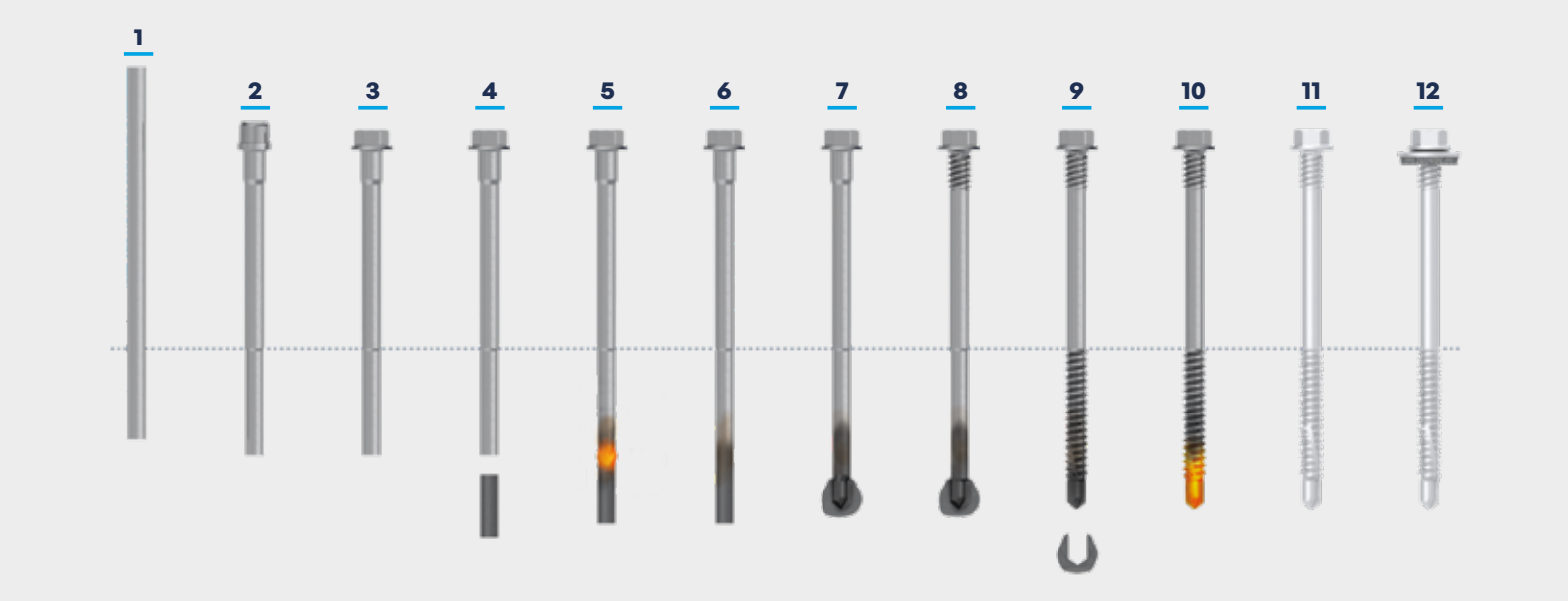
REISSER

HOW IS A SCREW MADE?

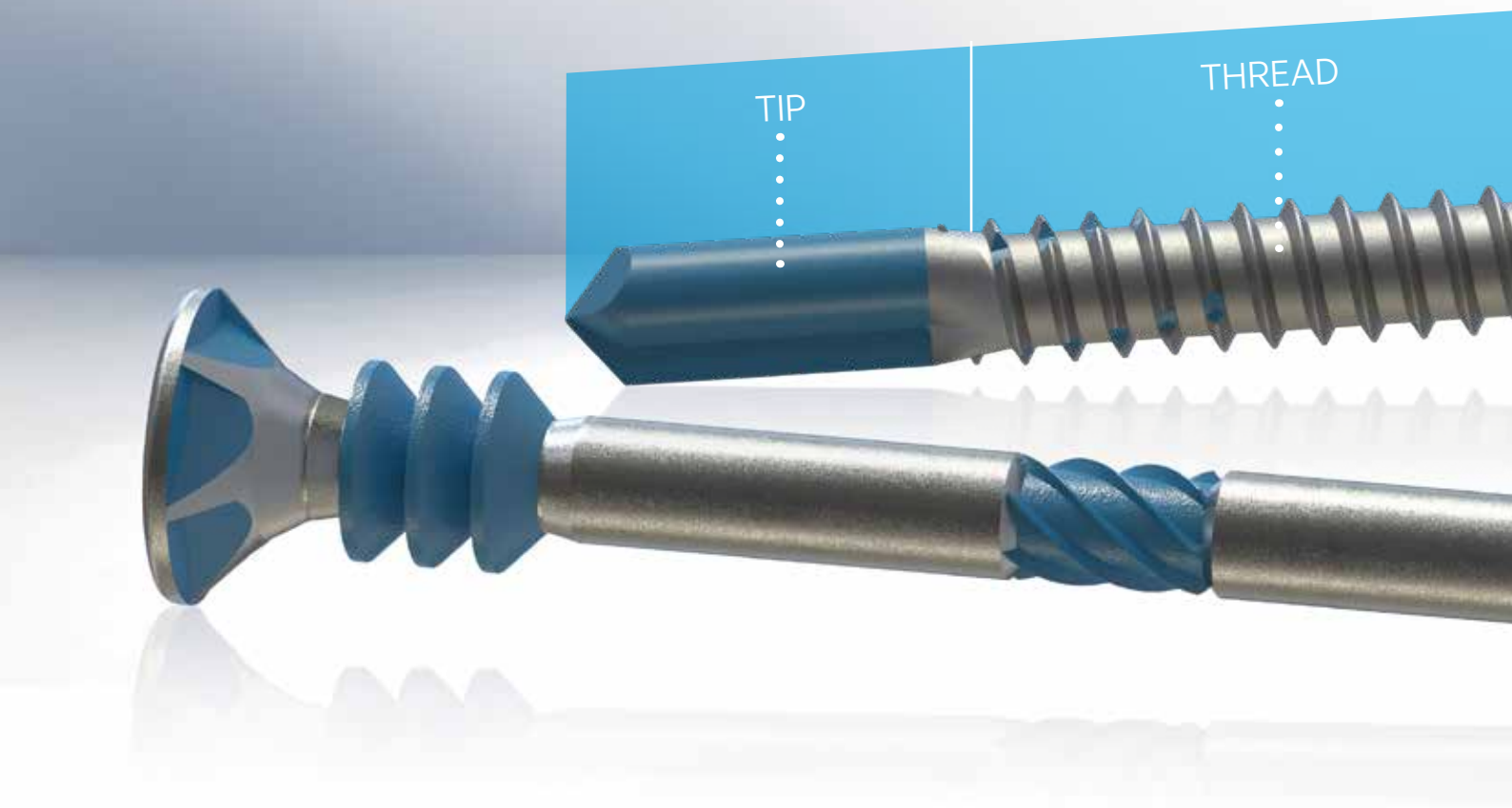


1. Wire section (starting material)
2. Extrusion pressed/reduced section (division of section into head and shank)
3. Pre-punched blank (forming the wire into a ball shape)
4. Press-blank (forming of head shape and inner drive)
5. Pinched bolt (forming of the drill tip by pinching)
6. Finished screw (thread rolling and shearing of pinched excess)

HOW ARE BIMETAL SCREWS MADE?



1. Wire section (starting material)
2. Pre-punching
3. Final punching
4. Feed pin
5. Weld steel pin to top
6. Calibrate
7. Pinching drill tip
8. Roll thread under head
9. Roll main thread
10. Harden drill tip
11. Galvanise
12. Complete with sealing washer



WHAT IS IMPORTANT TO YOU?

ECONOMIC EFFICIENCY

+ Screwing without pre-drilling
+ Quick screw tightening – saving time when screwing
+ Process reliability

INNOVATION

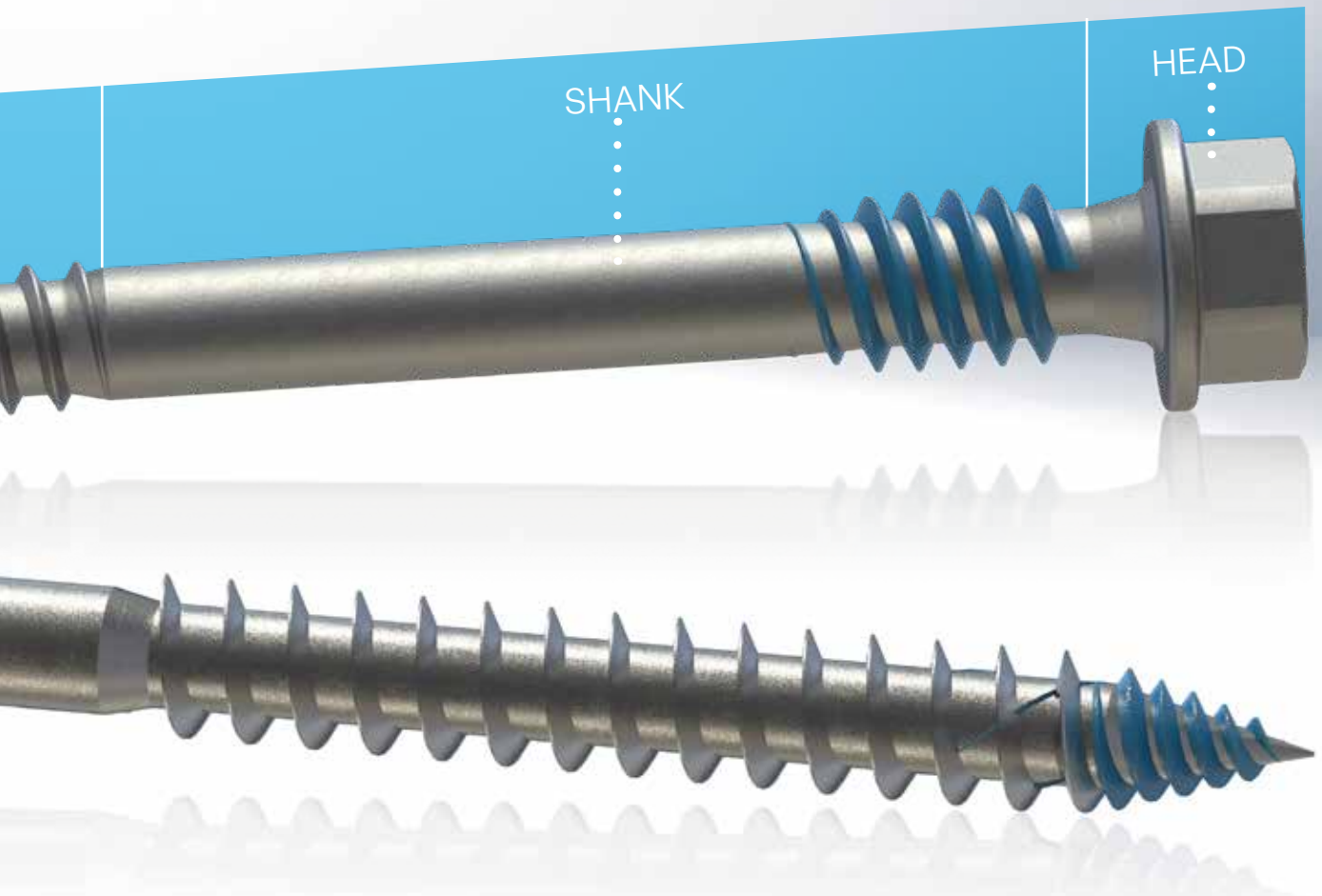
+ No stress in the components
+ No chips
+ Screwing close to the edge
+ “Pull-together effect”

FUNCTION

+ Easy to screw in
+ Optimal assembly even in difficult screwing situations
+ Technical parameters (extraction values/ screw-in behaviour/pull-through values)
+ Connection of a wide range of materials

DIFFERENTIATION FROM COMPETITION

+ Traceability
+ Optical appearance
+ Stability
+ Durability
+ Recognition value
+ User-friendliness

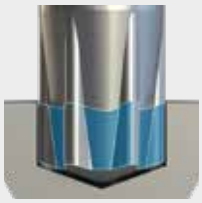


OUR ADDITIONAL BENEFITS

+ In-house design
+ Technical support beginning with the planning phase
+ In-house product development
+ 100% control in automated and manual processes possible at the customer's request
+ Packaging and logistics according to customer requirements
+ Stocking of minimum inventory levels of customer-specific items in consultation with the customer
+ Packaging
+ Private labelling
+ Procurement of special or drawing parts as a full-service supplier
+ Additive production options/3D printing (SLM process)

DRIVES

SIT® drive
+ A tight, precise fit due to the tapered shape
+ Can be screwed with conventional TX bit



The SIT® drive combines the strengths of a cross recess (conical core) with those of a TX drive (large force contact surfaces). Thanks to the special shape with the conical core, the tool is centred precisely in the screw with the SIT® drive.
The screw can also be placed onto the bit and screwed in easily with no need to hold it. At the same time, the six large force contact surfaces guarantee maximum, even force transmission and prevent the bit or tool from overturning or slipping.

*Licensed by Adolf Würth GmbH & Co. KG

TX / hexalobular head
+ No cam-out effect
+ Transmission of high torques

Pozidriv® cross recess
+ Reduced cam-out effect due to parallel contact blades
+ Not suitable for automatic screwing

TORX®-ttap®
+ No cam-out effect
+ Prevents wobbling of the screw-in tool

Inner square
+ Transmission of high torques
+ No cam-out effect
+ Simple production

Combination of hexagon and pozidriv with slot and pressed-on washer
+ High contact pressure possible when screwing in, without damaging the counter-bearing
+ Use of different screwing tools possible

Combination of hexagon drive with TX/SIT® and pressed-on washer
+ Enlargement of the contact surface
+ Protects the counter-surface from damage
+ Covers hole tolerances

Combination of TX and slot
+ Combines the benefits of a TX drive with a slot
+ Use of different screwing tools possible

Hexagon socket
+ Widely available
+ Good force transfer

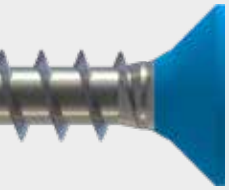
Phillips® recess
+ Suitable for automatic screw connections
+ Use e.g. in dry walling (screw-in limiter)

Combination of hexagon and cross recess
+ Combination of external and internal contact
+ Versatile use of screwing tools

Combination of cross recess and slot
+ Combination of PZ and slot
+ Use of different screwing tools possible

LocTec®
+ For screw fittings with security considerations
+ The flange geometry only allows the screw to be screwed in
+ The screw can then no longer be unscrewed

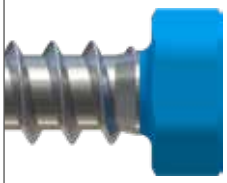
HEAD VARIANTS



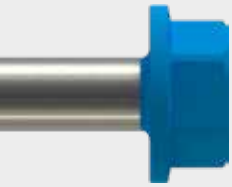
Countersunk head
+ For even countersinking

Raised countersunk head
+ As a design element
+ Deeper internal drives possible

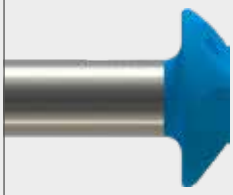
Pan Head
+ Visually appealing
+ Large internal drives



Hexagon head
+ High force transfer
+ Resistant to dirt
+ Robust
+ Can be painted over
+ Widely available



Hexagon head with pressed-on washer/flange
+ Enlarged press/contact surface

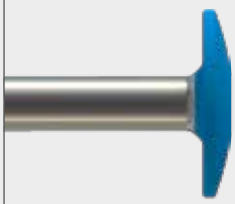


Forged head
+ As a design element

Bugle head
+ Good centring in the component

Wafer head
+ Large contact surface with low head height

Cap head
+ Can be adjusted for decorative and cover caps

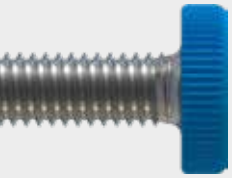


Truss head
+ Large contact surface with low head height
+ As a design element

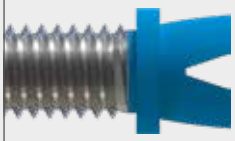
Step head
+ Raised wood fibres are separated by the lower step and remaining material is covered by the upper disc
+ Clean fitting appearance

Cylinder head
+ Large head height allows for large internal drives
+ Widely used in mechanical engineering

SPECIAL HEAD VARIANTS

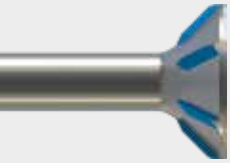


Knurled head
+ As a manual adjustment screw
+ Adapted to your application



Claw head
+ Perfect grip for casting in plastic
+ Adapted to your application

ADDITIONAL HEAD OPTIONS

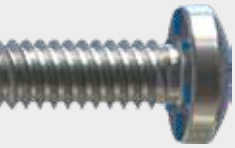


Milling ribs
+ Self-countersinking of the head in wood

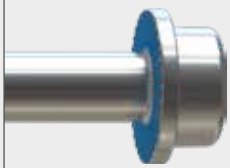
Locking ribs
+ Self-countersinking in wood
+ Edge covers material cut

Locking serration
+ Prevents undesired loosening of the screw
+ High processing reliability, as overturning is difficult

Milling pockets
+ Facilitate flush countersinking while at the same time being suitable for fittings



Helical teeth
+ High process reliability against overturning, as the screw-in torque greatly increases when the head hits the component
+ Prevents undesired loosening of the screw
+ Chips produced are transported to the outside by the inclined arrangement of the teeth



Securing ribs
+ Surface-friendly securing system
+ Surface compaction without damage

THREAD TYPES

Double thread

+ Twice as fast*
+ Higher stability*

Further development of the chipboard screw thread with two interlocking threads

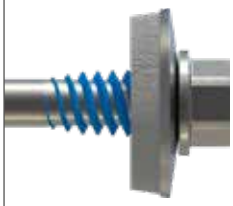
**compared to conventional chipboard screws*

Special thread

+ Special thread geometry according to customer's wishes/requirements
+ Thread geometries for mounting in a wide variety of materials
+ Functional adaptations via thread pitch and core diameter are possible

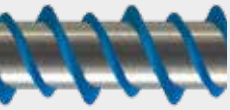
Supporting thread

+ Secure hold in wood
+ No creaking of components
+ The tensile load is mainly absorbed by the supporting thread, thus small head diameters are possible



Thread under head (single or double thread)

+ In combination with sealing washer guarantees complete sealing



Hi-Lo thread

+ Improved pull-out values in both wood and thin sheet metal
+ Faster screw-in time

Compression thread

+ Component is firmly pressed down
+ Joins components together without distances
+ No creaking of the wood connection
+ Increased breaking strength

Hardwood thread

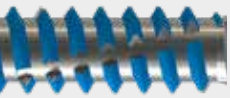
+ Reinforced core diameter, resulting in increased breaking torque
+ Specially designed for use in hard-woods (e.g. bangkirai, teak)

Thin sheet metal thread (single and double thread)

+ High pull-out forces
+ Double thread guarantees fast screw-in speeds

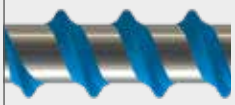
For wood | For light metal/ aluminium/ pressure die casting | For plastic | For steel | Additional building materials

THREAD TYPES



Self tapping screw thread with thread-forming grooves

+ Proven connection of thin components
+ Improved shape of the counter thread

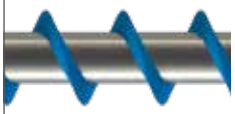


Concrete screw thread

+ For direct screwing in pre-drilled concrete, the use of a dowel is not necessary

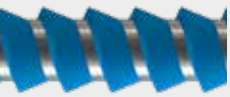
Drilling screw thread

+ Fine thread with grooves, designed for high thread-forming performance
+ For thick materials



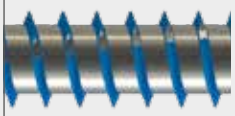
Aerated concrete screw thread

+ Dowel-less mounting in aerated concrete block



Nail thread

+ Assembly is performed by hammering in, disassembly by unscrewin



Window frame anchor

+ Self-screwing in pre-drilled masonry/ concrete/brick
+ The use of dowels is no longer necessary

Connecting thread

+ Provides additional mounting option
+ No further drill holes are necessary due to replacing existing screws

Dowel screw thread

+ Specially adapted to your dowels

Metric thread with interruptions

+ Interruptions allow subsequent shortening to the required size and guarantee a clean start of the thread every time
+ Ideal for applications where screw length is subject to significant change

For wood

For light metal/ aluminium/ pressure die casting

For plastic

For steel

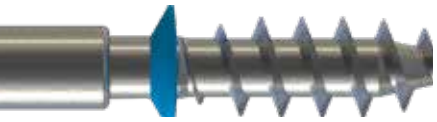
Additional building materials

THREAD TYPES, ADDITIONAL OPTIONS

End mill
+ Reduces the screw-in resistance
+ Reduces stress in the material
+ Expansion of the screw channel in the component to be fastened
+ Reaming of drill hole in plate materials to allow expansion

Reaming-wings
+ Expansion of the hole when screwing in, thereby avoiding stress between the screw shaft and the drill hole reveal

Grooving/rolling in
+ E.g. to hold support rings



Rolling up
+ E.g. as screw-in limit

Rolling up
+ E.g. as twist lock in the component

For wood | For light metal/ aluminium/ pressure die casting | For plastic | For steel | Additional building materials

TIPS

Patented DRIBO® drill segment
+ Drilling and screwing in one work step
+ The special arrangement of the patented DRIBO® drilling segment engages the screw immediately
+ Reduced wedge effect prevents crack formation - effortless connection including in frame and bar area

Drill tip with long drill start
+ Passing through cavities within the component (delayed start of screwing so that the component is not destroyed)

TurboDribo for thin sheet metal on wooden substructures
+ Thin sheet metal tip penetrates the sheet metal surface without chipping (up to 0.8 mm thick)
+ DRIBO® drilling segment takes stress from the wood substructure

Reduced drill tip
+ Small pilot hole diameter guarantees high extraction values even in thin materials

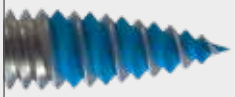
SPI-tip
+ Precise and immediate screw start
+ Keeps the splitting effect in wood to a minimum

Extended drill bit tip
+ Independent pre-drilling of thick materials
+ Up to 12 mm drilling capacity

Notch tip/cutting notch/ self-clearing groove
+ Predrills
+ Reduces splitting of material
+ Reduces the screw-in torque

Wood screw tip
+ For self-screwing in wooden substructures

Pinched drill tip
+ Pre-drills and reduces splitting of the material
+ Small edge distances possible
+ Prevents cracking



Thin sheet metal tip
+ Chip-free penetration of thin sheet metal (up to 2 x 1 mm thick)
+ Higher holding forces, more threads involved due to funnel formation

Point
+ Easier placement
+ Soft thread start

Needle tip
+ Immediate screw start

For wood | For light metal/ aluminium/ pressure die casting | For plastic | For steel | Additional building materials

TIPS

Overrolled drill tip

+ Allows larger drill diameter in the starting phase of the screw
+ The pilot hole diameter is reduced as drilling progresses due to the thread. As the component to be secured is predrilled larger than the substructure, higher extraction values result

Thin sheet metal tip with friction wings

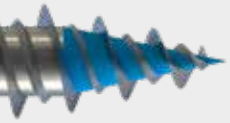
+ Drilling out of the component to be secured by the wings, preventing forced feed
+ Wings designed to break off when hitting the substrate.

Wing-type drill bit

+ Drilling out of the component to be secured by the wings, preventing forced feed
+ The core hole is drilled into the substructure
+ Wings designed to break off when hitting the material

Coarse thread tip

+ Simple self-drilling in substrate



Search tip

+ Makes locating holes easier

Pins

+ Guarantees precise positioning in the screw dome

For wood

For light metal/ aluminium/ pressure die casting

For plastic

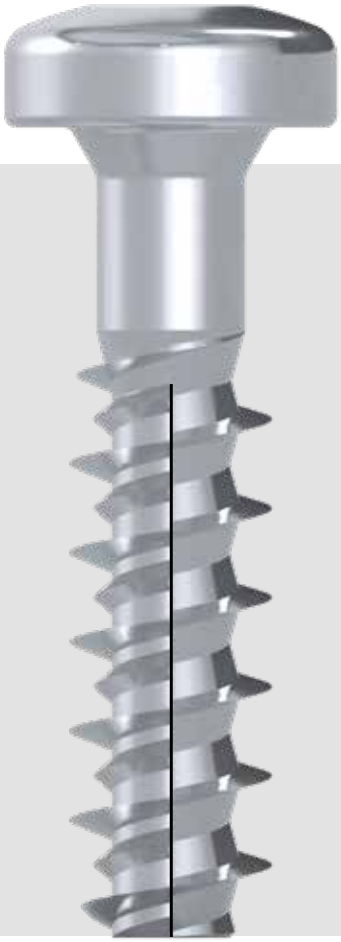
For steel

Additional building materials

DIRECT FASTENING

IN PLASTIC (THERMOPLASTIC / DUROPLASTIC)

The REISSER **REKU** is a self-tapping screw for plastics and is used in a wide range of industries (food, electrical and many more). Thanks to its asymmetric threads, optimally aligned flank angles and guide thread between the thread flanks, the screw is particularly well-suited for the use in thermoplastic materials.
REKU - for direct screwing in plastic - INDIVIDUALLY customizable.



PRODUCT FEATURES:

ASYMMETRICAL THREAD

25°/5° FLANK ANGLE

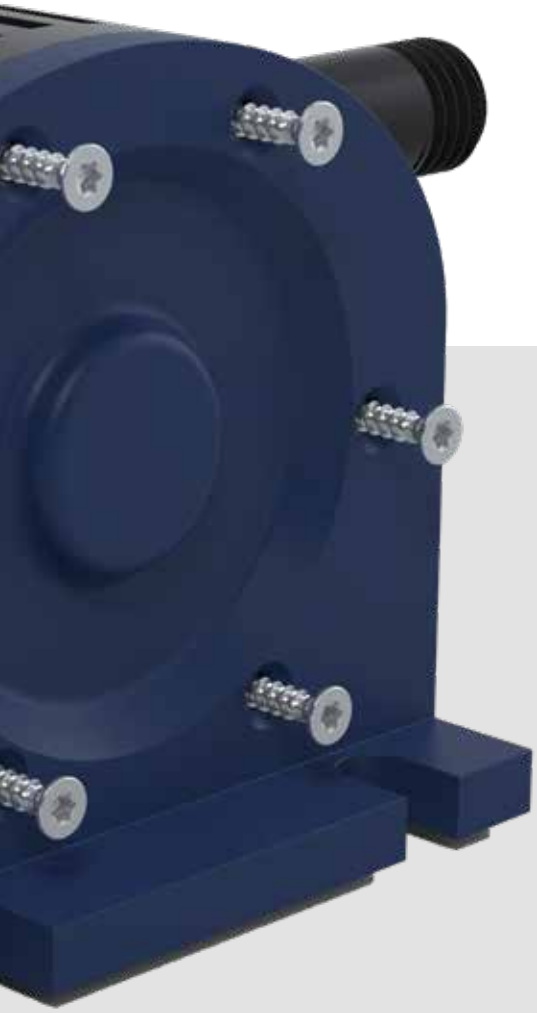
+ High extraction torque
+ High over-turning torque
+ Low screw-in torque

GUIDE THREAD BETWEEN THE THREAD FLANKS

+ High stability during the screwing
+ process (process reliability)

ADVANTAGES:

+ Allows for direct screw connection in the core hole/dome, as the screw forms its thread itself.
+ No need to cut threads, which saves time and money.
+ The high thread pitch allows a quick, easy screw-in with a low screw-in torque.
+ Allows multiple repeat fixings without significant pre-load losses.
+ The guide thread between the thread flanks ensures a high level of process reliability.
+ Increased service life due to optimal material flow when screwing in.
+ Particularly secure connection due to a high degree of self-locking and vibration proofing.



PRODUCT VARIANTS:

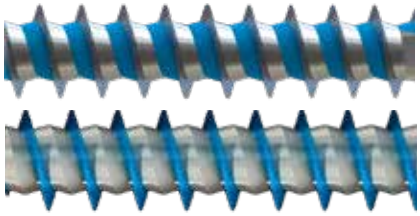
We also manufacture the REKU with special threads, so that they can be screwed directly into harder and more brittle plastics (e.g. in duroplastic material or glass-fibre reinforced plastics - GFRP for short).

In order to reduce part diversity, we can also design the screws for material combinations (thermoplastics and duroplastics) thanks to our flexible options. This means that the connection can optimally fulfill the requirements for both materials.

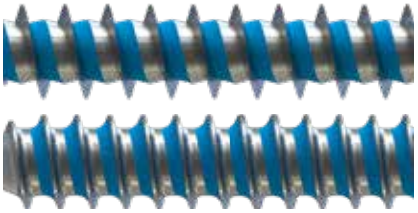
Compatibility with all popular, freely available thread types on the market can be ensured.

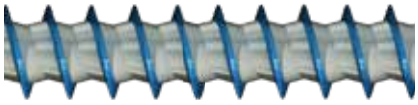
The examples opposite show threads with different core diameters. These are reinforced for stability to meet requirements (for high tensile and torsion forces) and are designed with a special thread (for screw joints close to the edges).

Soft plastics



Hard and brittle plastics



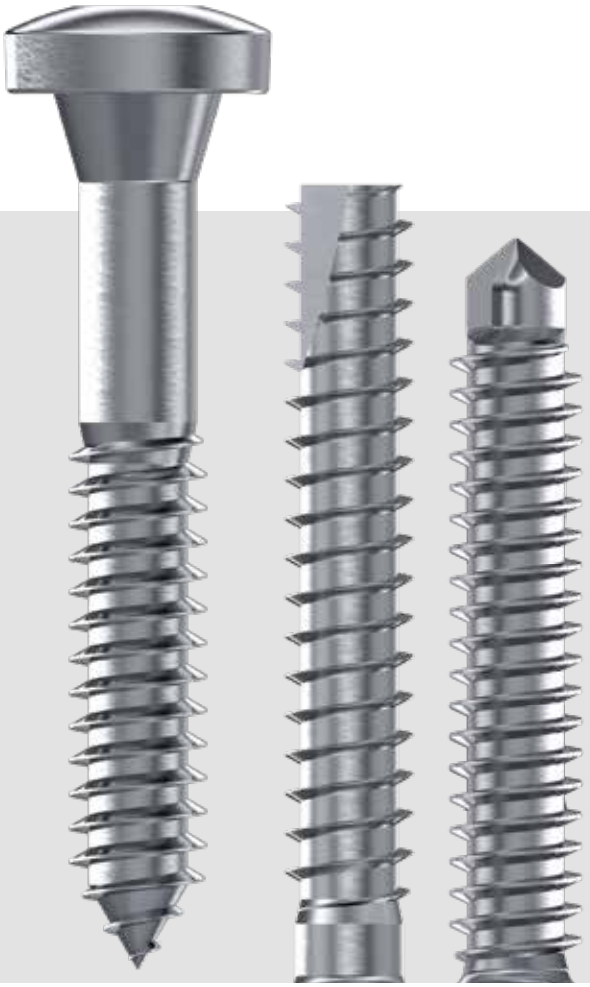


We will happily provide you with the technical data for our plastic screws on request.

DIRECT FASTENING

IN LIGHT METALS

The REISSER **DRG** ensures easy and secure mounting in drilled, punched and cast holes.
The screw taps its own thread, so there is no need for any additional work to form the thread.
DRG - for direct screwing in light metals - INDIVIDUALLY customizable.



PRODUCT FEATURES:

ASYMMETRICAL THREAD

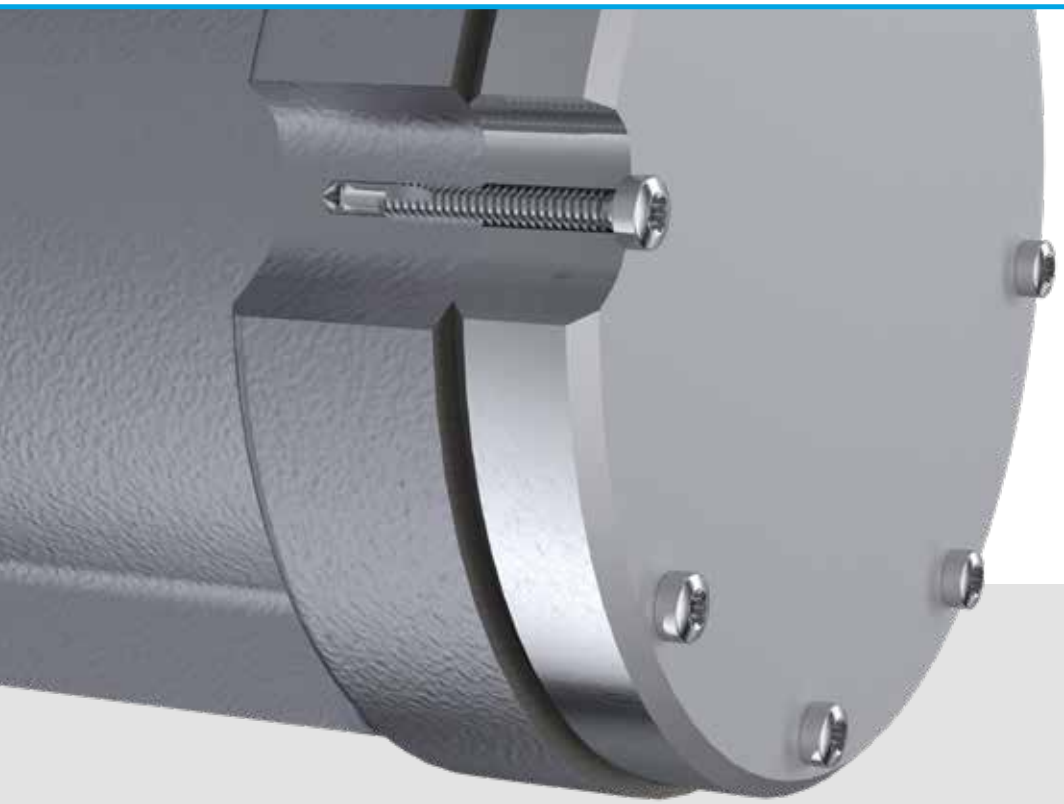
+ High extraction torque
+ High over-turning torque
+ Low screw-in torque

SPECIAL PIN GEOMETRY

+ Optimal placement characteristics during installation

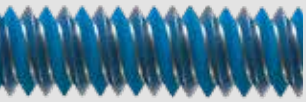
ADVANTAGES:

+ Allows for a direct screw connection in the core hole, as the screw taps its own thread.
+ No need to cut threads, which saves time and money.
+ Allows multiple repeat fixings without significant pre-load losses.
+ Increased service life due to optimal material flow when screwing in.
+ Particularly secure connection due to a high degree of self-locking and vibration proofing.
+ High extraction torque.
+ High over-turning torque.
+ Low screw-in torque thanks to the asymmetrical thread.
+ Optimal placement characteristics during installation thanks to the special pin geometry.

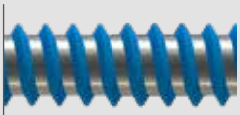


PRODUCT VARIANTS:

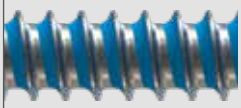
Self-tapping grooves
+ Improved counter thread shape



Thin sheet metal thread (single or double thread)
+ High pull-out forces
+ Double thread guarantees fast screw-in speeds



Self-tapping screw thread
+ Proven connection of thin components



Special thread
+ Special thread geometry according to customer‘s wishes/requirements
+ Thread geometries for mounting in a wide variety of materials
+ Functional adjustments using the thread pitch and core diameter are possible

APPLICATION:

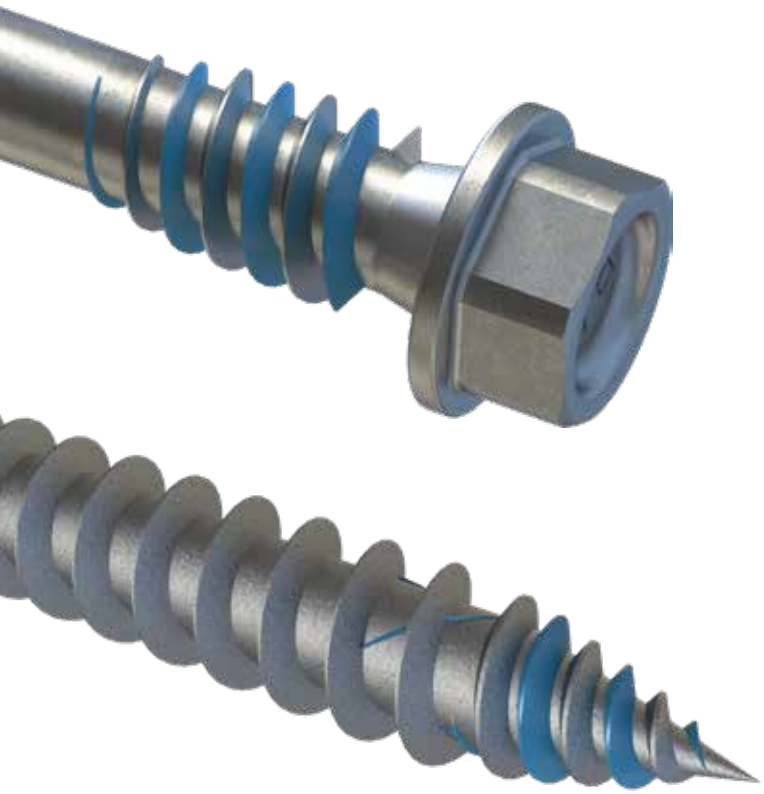
+ Components made of die-cast light metal (especially aluminium, magnesium and zinc alloys).
+ Connections involving highly reinforced thermoplastic/duroplastic components.
+ Screw connections in material combinations, such as solid or brittle plastics with light-metals.

DIRECT FASTENING

IN „LIGHT METAL CONSTRUCTION“

RP-TD (-P) - THE DRILLING SCREW FOR METAL TO WOOD

With our **patented** combination of a double thread at the tip and an asymmetrical wood thread, you save twice as much time and therefore twice as much in costs.
No more pre-drilling or subsequent cleaning of the roof area thanks to chip-free installation!



DOUBLE THREAD UNDER HEAD

Thanks to the two threads running out under the head, the cover sheet is pressed firmly against the EPDM sealing washer.

The advantages are:

+ Long-lasting and reliable seal
+ Straight fitting - no visible dents
+ Cover sheet does not sag even with increased snow load and extreme temperature fluctuations
+ Safe access to the roof surface without the cover sheet sagging

DRIBO® 2.0

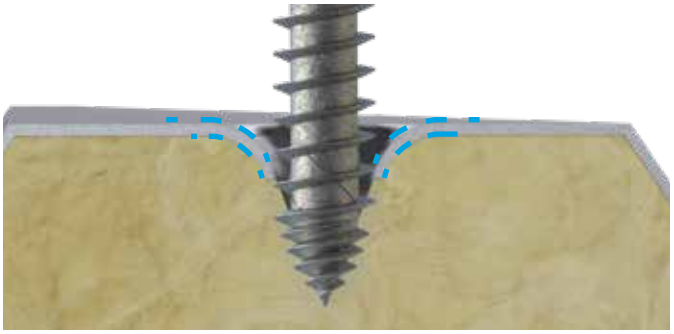
Milling segment to reduce the splitting effect in wood

DOUBLE THREAD AT THE TIP

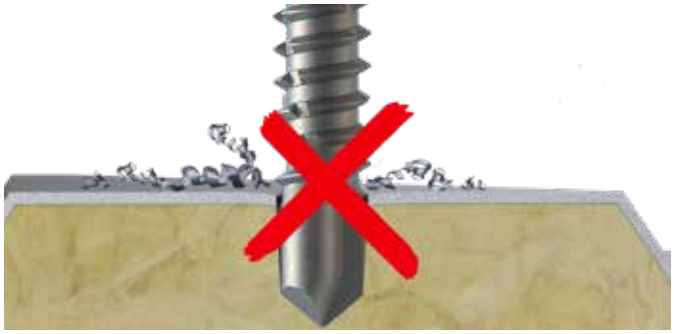
Forms more threads in displaced material

ASYMMETRICAL WOOD THREAD

Aggressive and strong thread for high holding force at low screw-in torques



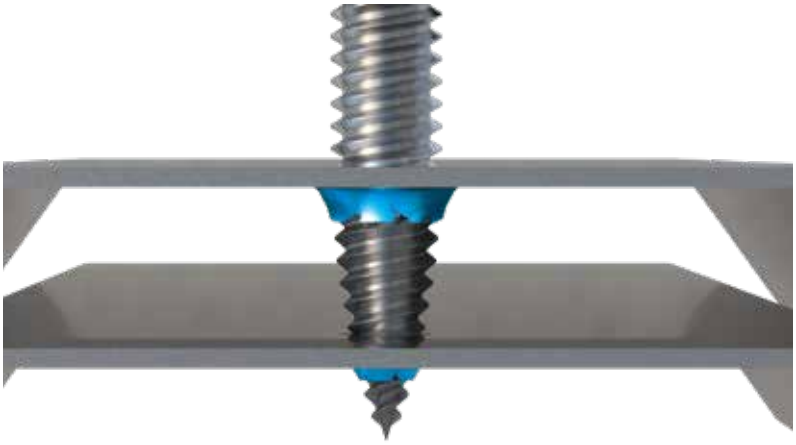
The material is broken up and pushed downwards instead of removed.
The roof surface is free of chip waste.



Conventional drilling screw - causes chips on the roof that can damage the surface and cause corrosion. In the case of façades, falling chips cause corrosion on the drip edge sheet, thereby requiring laborious cleaning.

RP-T2 - THIN SHEET SCREW

REISSER thin sheet screw - the ideal fastener in the roof area for fastening aluminium profiles to sheet steel profiles on which a PV or solar system is mounted.
Achieve maximum stability and a secure, ETA-tested connection that saves time and money.



STRONG HOLD WITH FAST PROCESSING

The material is broken up and displaced downwards instead of being removed
The thin sheet metal tip forms more threads in the displaced material and thus generates high pull-out forces even in thin-walled components.

PROCESSING

1 During the chip-free screwing process, the two components are first pushed apart.
Component 1 (upper profile sheet)
Component 2 (lower profile sheet)

2 Component 1 quickly finds its way to the sealing washer and presses against it. During this pressing process, component 1 slips into the non-threaded part of the screw.
At the same time, the thin sheet metal tip penetrates component 2 without chipping and the thread bites from that point. In the process, component 2 is moved towards component 1 with minimal pressure because, at the same time, the non-threaded part of the screw is turning in component 1.

3 Thread-free section under the screw head also prevents the sealing washer from being damaged due to excessive contact pressure.
Screw can be loosened again if required.

DIRECT FASTENING

IN STEEL

RS-K12 - DRILLING CROSSBAR SCREW

Drilling screw for fixing bars, purlins and other attachments in industrial building construction onto steel substructures.

ADVANTAGES:

+ No need for a pre-drilling operation.
+ 12 mm drilling capacity.
+ Simple equalisation of construction tolerances.
+ Fewer screws required thanks to high retention force (10 kN pull-out, 14 kN shearforce).
+ Approved for slotted hole fastening.

PRODUCT FEATURES:

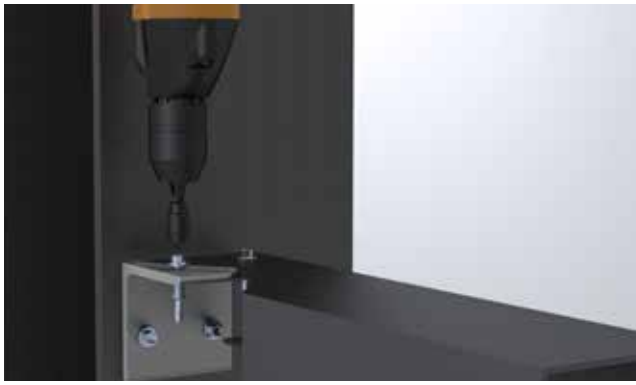
HEXAGON HEAD DRIVE

+ High power transmission

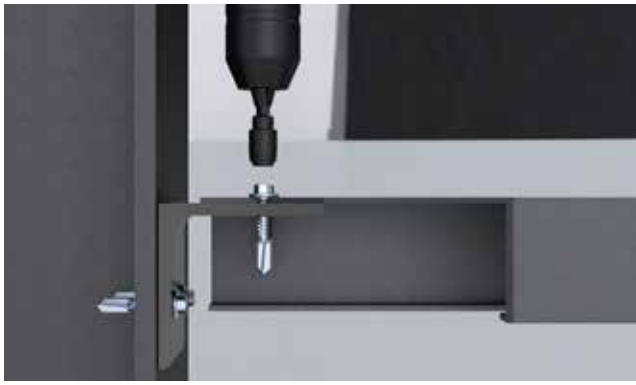
EXTENDED DRILL TIP

+ Independent pre-drilling of thick materials
+ No tool wear

FOCUS ON OUR FASTENING SOLUTION



To date, the only drilling screw with a solid 8.0 diameter in lightweight metal construction.



Simplified fixing of bars to steel structures, also including components with construction tolerances, as the second component (attachment) is drilled precisely in the screwing process.

RP-K12-P - SANDWICH DRILLING SCREW

Drilling screw for fixing sandwich profiles to thick-walled steel substructures.

ADVANTAGES:

+ Fast and secure processing thanks to high drilling performance even with thick steel substructures.

PRODUCT FEATURES:

HEXAGON HEAD DRIVE

+ High power transmission

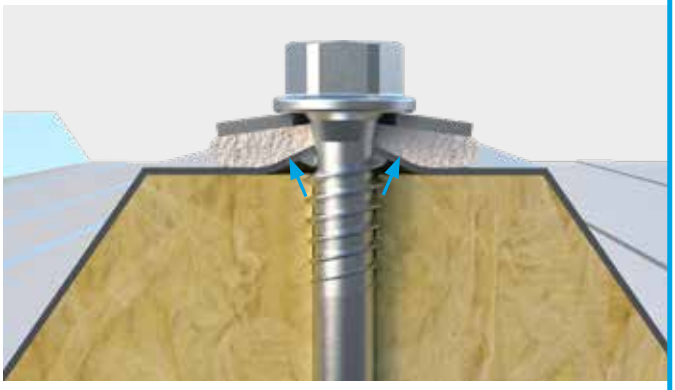
DOUBLE THREAD UNDER HEAD

+ Permanent, reliable sealing
+ Straight fitting - no visible dents
+ Cover sheet does not sag even with increased snow load and extreme temperature fl uctuations
+ Safe access to the roof surface without the cover sheet sagging

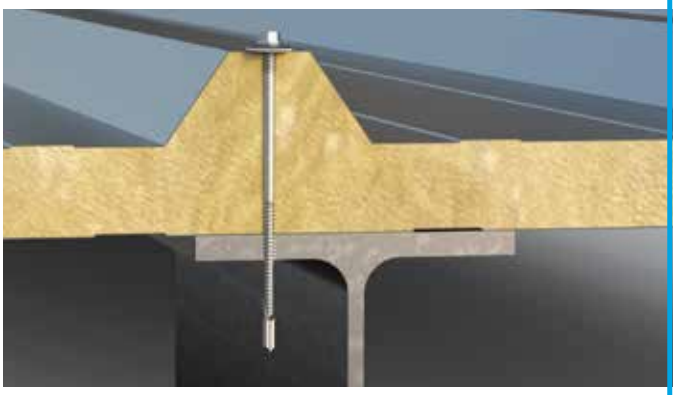
EXTENDED DRILL TIP

+ Independent pre-drilling of thick materials
+ No tool wear

FOCUS ON OUR FASTENING SOLUTION



Double thread under head for even more security and a perfect look. Thanks to the two tapering threads under the head, the cover is pressed firmly against the EPDM sealing washer.

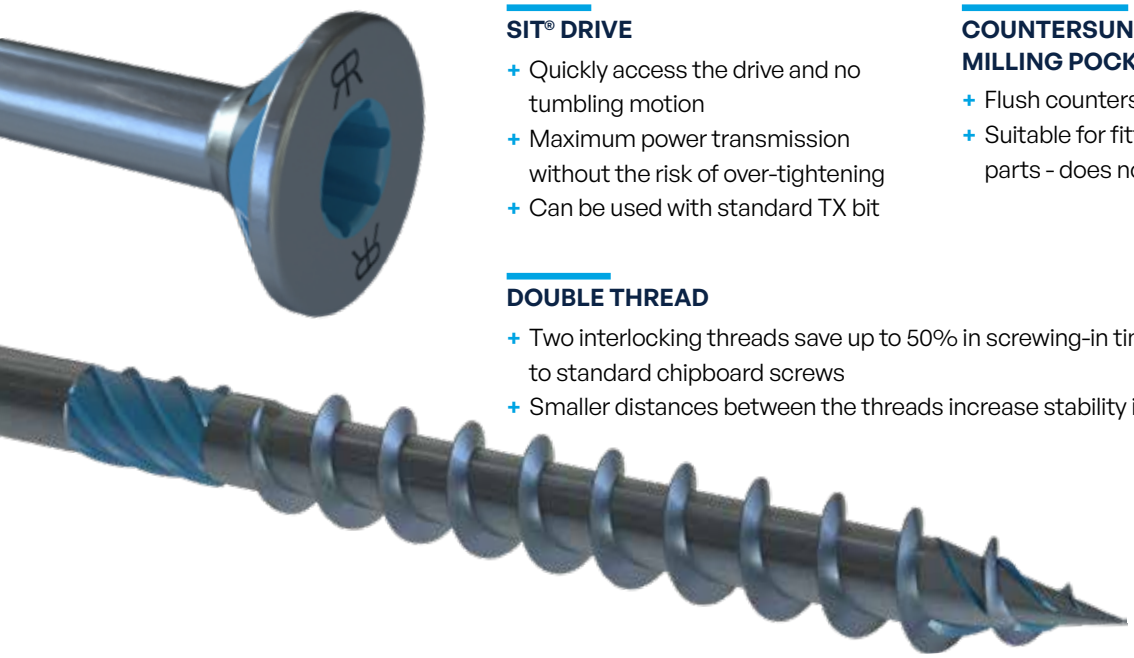


Fields of application: Drilling screw for fixing sandwich profiles to thick-walled steel substructures.
Roofing, façade construction

DIRECT FASTENING
IN WOOD

DNS® PLUS WOOD (CONSTRUCTION) SCREW

Regardless of whether you're in a workshop or on a construction site - time is money. That's why we've developed the new REISSER DNS® plus wood screw.
Special requirements for product quality and processing efficiency are fully satisfied. DNS® plus is included in the REISSER dimensioning software and provides tested and monitored quality through the existing ETA approval, as well as the CE mark of a construction product.



SIT® DRIVE
+ Quickly access the drive and no tumbling motion
+ Maximum power transmission without the risk of over-tightening
+ Can be used with standard TX bit

COUNTERSUNK HEAD WITH MILLING POCKETS
+ Flush countersinking
+ Suitable for fittings and fitting parts - does not damage the metal

DOUBLE THREAD
+ Two interlocking threads save up to 50% in screwing-in time compared to standard chipboard screws
+ Smaller distances between the threads increase stability in the wood

END MILL
+ Expands the screw channel in the component to be fastened.
  This reduces the stress, especially when using long screws

SPI TIP
+ Needle tip for a precise and instant screwing start
+ Thread at the tip minimises the splitting effect

DIRECT FASTENING

IN WOOD ON ALUMINIUM SUBSTRUCTURE/STEEL

WING-TYPE DRILLING SCREW FOR ALUMINIUM SUBSTRUCTURE

Direct connection of wood onto aluminium substructures up to 3.5 mm in indoor and outdoor applications.

PRODUCT FEATURES:

SIT® DRIVE

+ Quickly access the drive and no tumbling motion
+ Maximum power transmission without the risk of over-tightening
+ Can be used with standard TX bit

WING-TYPE DRILL TIP

+ Without pre-drilling of wood and aluminium substructure up to 3.5 mm
+ No cracks formed in wood

CABRI® DECKING SCREW

Direct connection of wood onto steel substructures up to 6 mm in indoor and outdoor applications.

PRODUCT FEATURES:

TX DRIVE

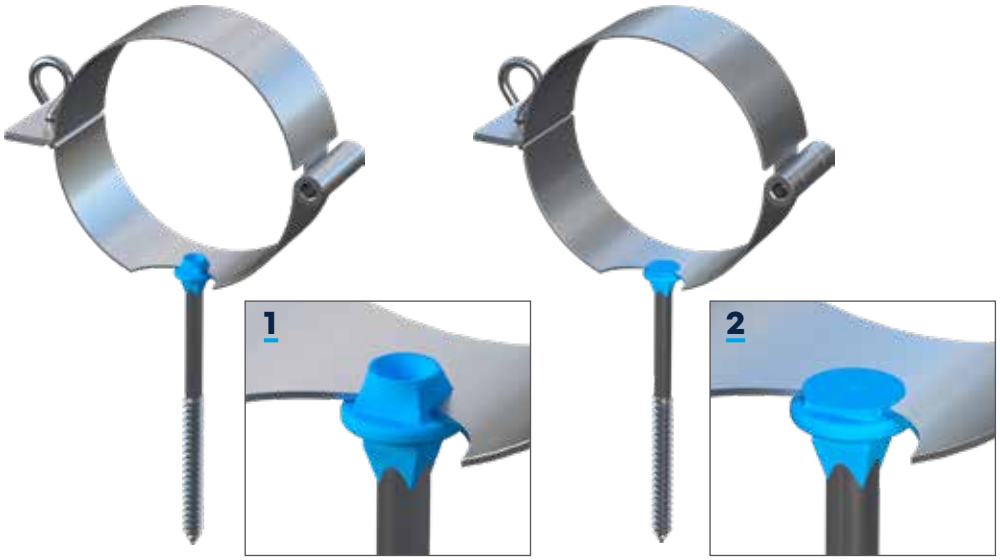
+ Excellent power transmission
+ No slipping
+ Secure processing

HARDENED WING-TYPE DRILL TIP

+ Without pre-drilling of wood and steel substructure up to 6 mm
+ No cracks formed in wood

CUSTOMISED
FASTENING SOLUTIONS

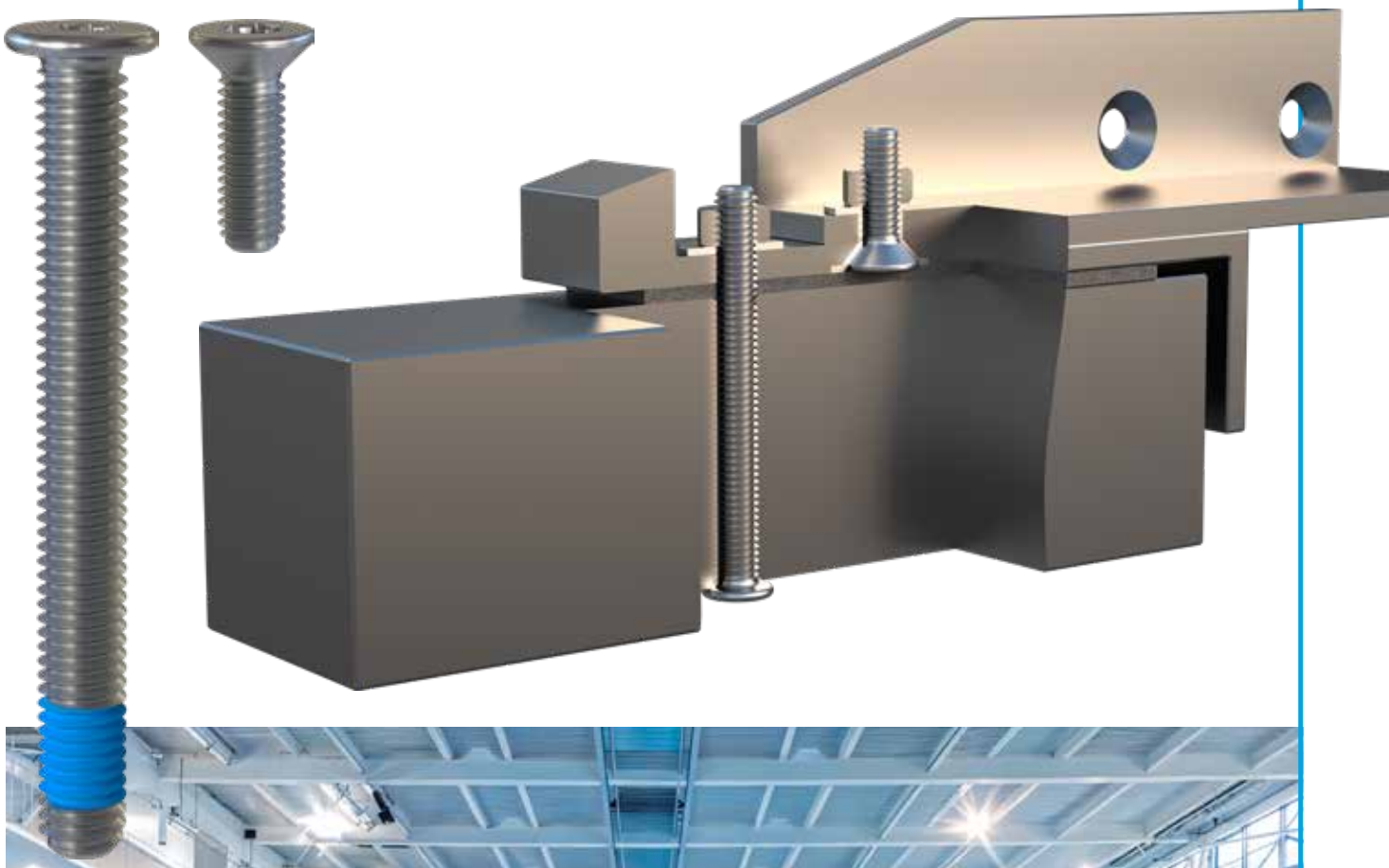
Together with a customer, REISSER developed the appropriate head shape for the square opening on the pipe clamp. The screw is inserted and the head is then firmly pressed into place. This results in a secure, powerful form fit that can withstand higher loads than welded connections, for example.



CUSTOMISED
FASTENING SOLUTIONS

A8 (HCR) CONNECTION ELEMENTS

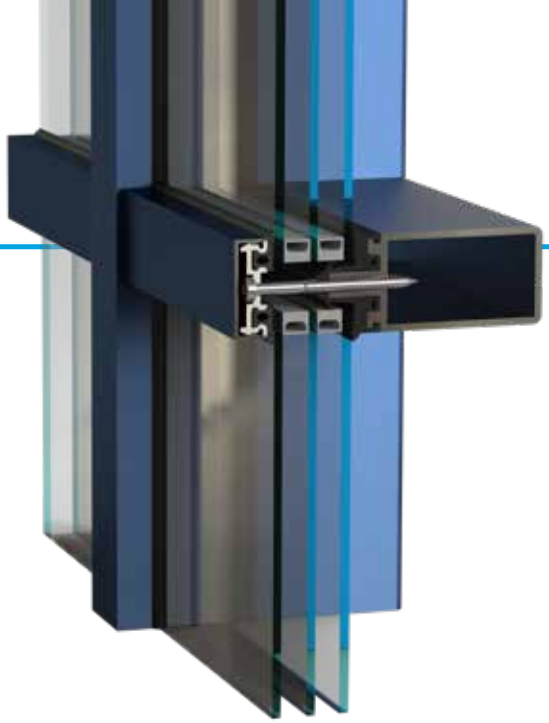
REISSER develops and manufactures quality products for its customers out of the demanding material **A8 (HCR) 1.4529**, both in terms of processing and application. These fulfill the highest requirements in, for example, load-bearing structures that are exposed to extremely corrosive influences.



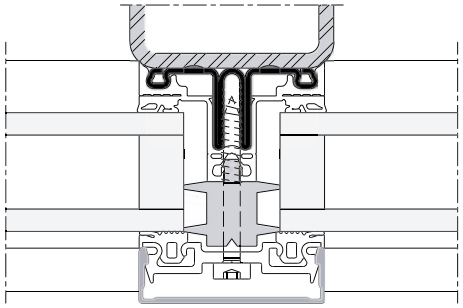
REISSER

CUSTOMISED
FASTENING SOLUTIONS

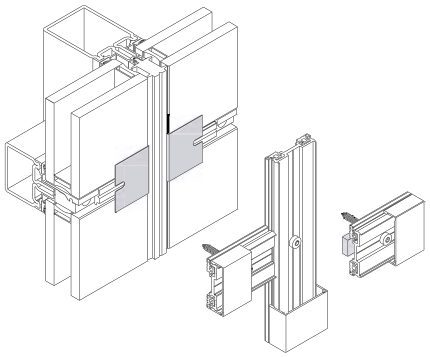
Screws for mullion and transom facade systems with and without drill tips, each adapted to the construction and desired drilling capacity.



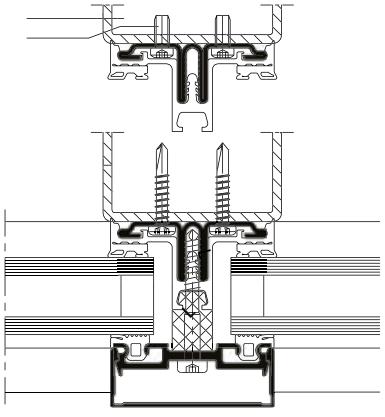
SELF-TAPPING SCREW



DRILLING SCREW



REFABO PLUS DRILLING SCREW WITH EXTENDED TIP



Performance Industry: As at: 03/2025

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