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# NOVELITIES

**EXCELLENCE IN STAINLESS STEEL**  
**EXCELLENCE IN STAINLESS STEEL**

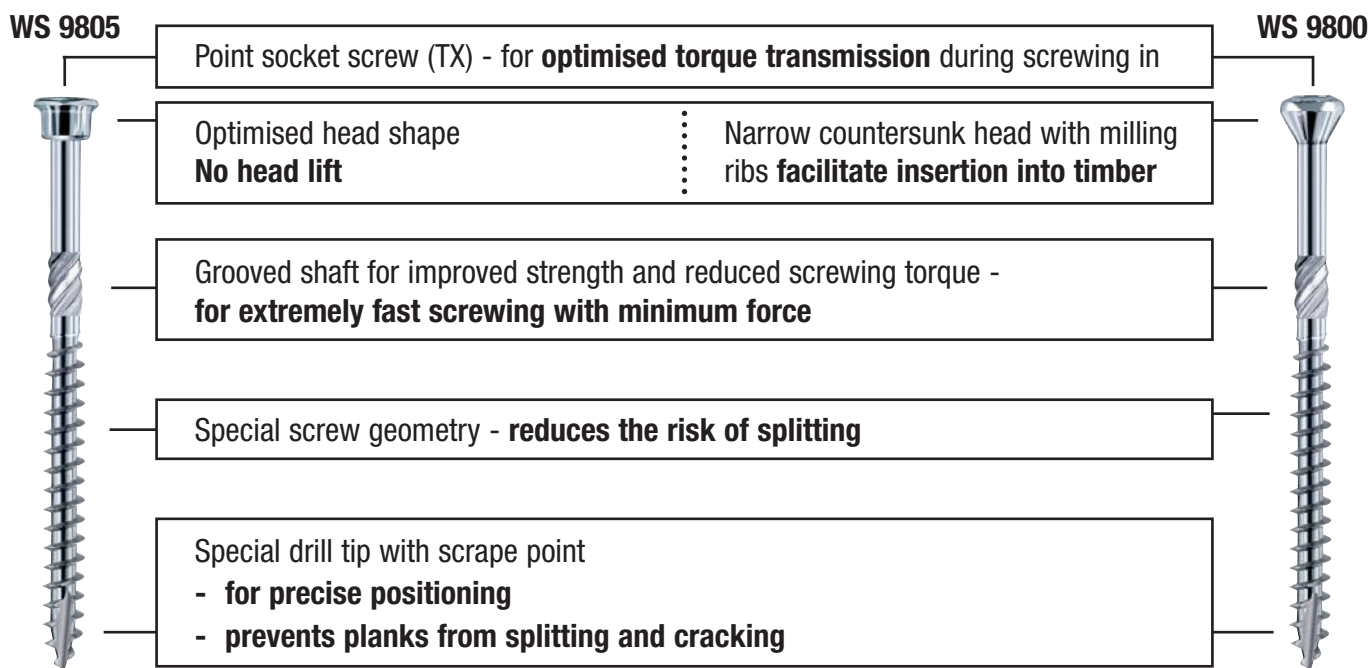
# DECKING SCREWS

## TOP DESIGN FROM HEAD TO TIP



Attractive appearance without rust traces or corroded screw heads when used outdoors; guaranteed quality standard and easy to screw into softwood and hardwood! Ideal for the construction of decking, balconies, planks, fences, windscreens, timber house facades, carports and many other outdoor applications.

Decking screws made in hardened C2 stainless steel are non-corroding and offer a cost-effective option to A2. Their ultimate torque is 60 % higher than that of standard screws, so that they can be screwed into timber without the need for pre-drilling. The screws are approved by the German building authorities, which is a guarantee for excellent quality and functionality.



### WS 9805 - FOR A PERFECT FINISH AND EXCELLENT SAFETY!

Screws with especially wide heads prevent head lift and thus reduce the risk of injury when walking barefoot on the floor. The extra wide upper edge of the head provides for a pleasing appearance.

### WS 9800 - SCREW IN AND COUNTERSINK IN ONE PROCESS!

Screws with countersunk cutting heads are particularly suitable for the fastening of high-strength structural timber in outdoor constructions. The milling ribs facilitate the insertion of the screw into the timber, while the narrow countersunk head enters the material without the need for any extra force.

Product no.	Size	Thread length	Drive	Pack
9805-0-4x40	4x40	25 mm	TX 15	500
9805-0-4.5x50	4,5x50	30 mm	TX 20	200
9805-0-4.5x60	4,5x60	35 mm	TX 20	200
9805-0-5x50	5x50	30 mm	TX 25	200
9805-0-5x60	5x60	35 mm	TX 25	200

Product no.	Size	Thread length	Drive	Pack
9800-0-4x40	4x40	25 mm	TX 15	500
9800-0-4.5x50	4,5x50	30 mm	TX 20	200
9800-0-4.5x60	4,5x60	35 mm	TX 20	200
9800-0-5x50	5x50	30 mm	TX 25	200
9800-0-5x60	5x60	35 mm	TX 25	200



WS 9806



Point socket screw (TX) - for **optimised torque transmission** during screwing

Optimised head shape - **no head lift** - vital for barefoot areas

Reinforced shaft - **resistant against cross shifting** of the timber panels

Design with thread just below the head - allows for screwing **without pre-drilling**  
**safe fastening** of the timber planking thanks to screw clamp effect

Special drill tip (half tip) - **for accurate positioning**  
- **prevents splitting of the timber planks**

The decking screw in A4 quality is the ideal solution for the fastening of tropical timbers with corrosion-resistant screws. Timber products with high tannic acid content such as cedar and oak require the use of A4 in order to prevent oxidation in the timber. The screws are not affected by the elements and salt water and are resistant against corrosion and acids.

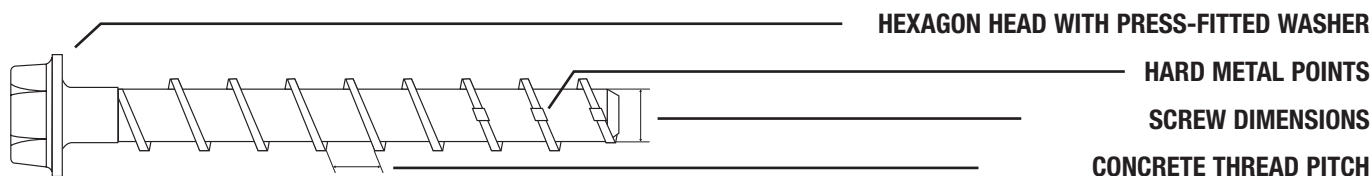
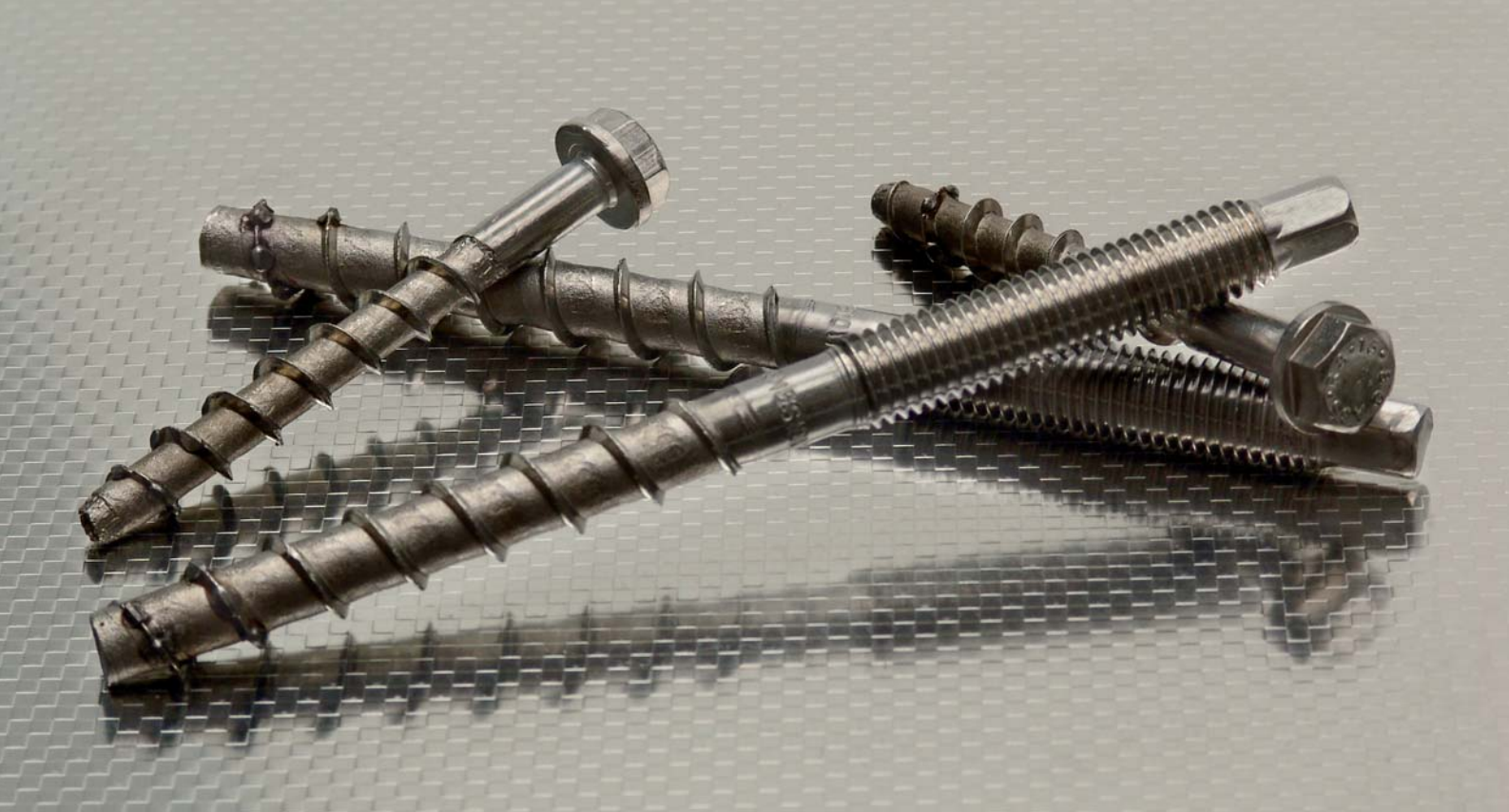
Product no.	Size	Thread length	Drive	PACK
9806-4-5x50	5x50	25 mm	TX 25	100
9806-4-5x60	5x60	30 mm	TX 25	100
9806-4-5x70	5x70	35 mm	TX 25	100

The A4 quality requires a special screw geometry. The approval by the German building authorities is a guarantee for best quality and functionality.

## ALL DECKING SCREWS ARE ALSO AVAILABLE AS THERMALLY OXIDISED SCREWS.

Softwood decking can be fastened without pre-drilling. For a pleasing finish with hardwood planks, we recommend considering pre-drilling, depending on the hardness of the timber.





Product no.	Size	Drive	Clamping force/length	Engagement depth	Screw Ø	Drill hole Ø x depth	PACK
9851-4-8x80	8x15x80	SW13	15/80 mm	65 mm	10,5 mm	8x75 mm	50
9851-4-10x95	10x10x95	SW17	10/95 mm	85 mm	12,5 mm	10x95 mm	50
9851-4-10x105	10x20x105	SW17	20/105 mm	85 mm	12,5 mm	10x95 mm	50
All sizes available in stock							

## WS 9850/9851 CONCRETE SCREWS

SECURED FOR LIFE



The concrete screws are a new addition to the WASI product range. As with all WASI screws, they guarantee highest quality and safety. Concrete screws made in 1.4401 (A4) steel meet the requirements of the German building authorities of a product service life of minimum 50 years. The German approval applies to both cracked and non-cracked concrete.

The German regulations require that concrete screws used in outdoor constructions are made in stainless steel. That is why such screws are found in a wide range of structures, such as bridges, railings, fences, pipelines and chimneys. They are also widely used to anchor park benches and attach signs and barriers.

On request, the above screws are available in 1.4404, 1.4571 and 1.4529 steel for special applications, for example for constructions near the sea and tunnel structures.

As an exclusive service to customers, WASI will provide you with advice for the securing of your railings, based on the details forwarded by you. To avail this service, contact us for a specification form!

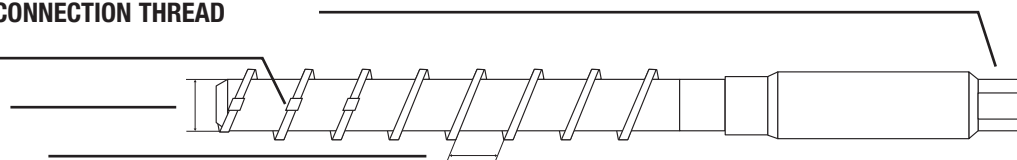


HEXAGON HEAD WITH METRIC CONNECTION THREAD

HARD METAL POINTS

SCREW DIMENSIONS

CONCRETE THREAD PITCH



Product no.	Size	Drive	Clamping force/length	Engagement depth	Screw Ø	Drill hole Ø x depth	PACK
9850-4-10x140	10x35x140	SW9	35/140 mm	85 mm	12,5 / M12	10x95 mm	50
9850-4-10x160	10x55x160	SW9	55/160 mm	85 mm	12,5 / M12	10x95 mm	50
9850-4-10x180	10x75x180	SW9	75/180 mm	85 mm	12,5 / M12	10x95 mm	50
All sizes available in stock							

## Benefits

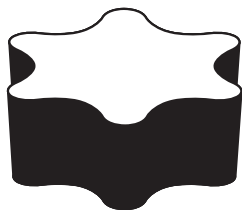
**Hard metal points** cut a thread into the concrete.

- Immediately ready to carry a load, as there is no need to allow for a curing time for bonding mortar or dowels; this caters for a reduction of the mounting time of up to 50%.
- Fully removable and thus re-usable
- No prescribed tightening torques

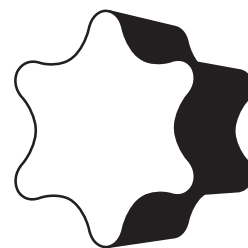
**The available screw dimensions** allow for instant push-through assembly.

Thanks to the **concrete thread pitch size**, sealing of the bore hole with bonding mortar is permitted by the German building authorities.

The **hexagon head** combines user-friendliness with attractive design. The **dowel screws** cater for the optimised connection to other components.



Product no.	Size	Availability	PACK
9495-AL-25	Tx 25	instant	200
9495-AL-40	Tx 40	instant	200
9495-AL-10	Tx 10	from January 2008	200
9495-AL-15	Tx 15	from January 2008	200
9495-AL-20	Tx 20	from January 2008	200
9495-AL-30	Tx 30	from January 2008	200



## WS 9465 STAR INSERTS FOR TX DRIVES

### SMALL PART - GREAT EFFECT

Following the above slogan, the WASI product range now includes star inserts to seal the TX drives. They are available in various shapes and sizes and can be fitted into the drives with a slight tap of a screwdriver handle or hammer. The drive is thus permanently sealed.

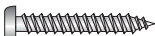


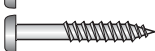





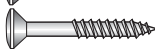




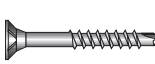
#### Benefits

- Easy to install thanks to accurate fit.
- Each screw with TX drive can be secured, irrespective of the shape of the thread or head.
- Conventional TX screws thus become security screws, doing away with the need for specially designed safety screws for specific applications.
- Screws with countersunk heads, raised countersunk heads or pan heads can now provide better safety against burglary, as they cannot be removed with pliers or similar tools.
- The screws can be inserted without the need for special screwdrivers.

Protect property effectively: with the new STARS in the world of screws.





WOOD THREAD			SHEET METAL THREAD			METRIC THREAD		
9112		Chipboard screws, with pan head, full or partial thread	9477		Fillister head screws, similar to DIN 7981	9460		Fillister head screws, similar to DIN 7985
9117			9478			9465		
9122		Chipboard screws, with raised countersunk head, full or partial thread	9479		Raised countersunk head screws, similar to DIN 7983	9470		Countersunk head screws, similar to DIN 7991
9127			9155			9475		
9130		Chipboard screws, with countersunk head, full or partial thread						
9135								
9145		Chipboard screws, with countersunk head, drill tip, milling ribs						

## SCREWS WITH TX DRIVE

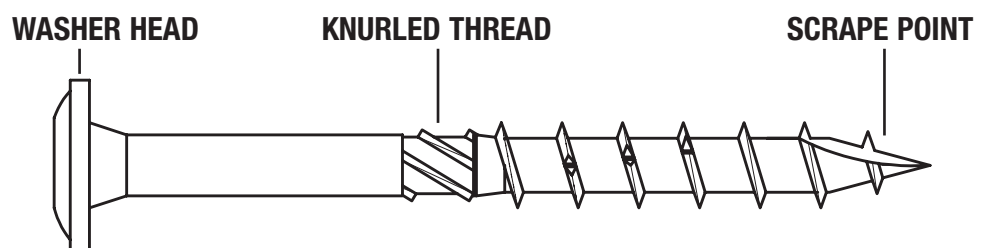
EXCEL WITH THE STAR SCREWS FROM WASI



Over the last few years, a drive type known as TX, star, point socket or hexalobular internal drive is conquering the screw market. As an innovative specialist in the field of stainless steel fastening equipment, WASI was among the first to recognise the many advantages of this drive type.

- Easy and fast insertion of the tool and improved transfer of higher torques without the need to increase the force help save time.
- Damage to the drive or screw head is minimised, as the tool cannot slip from its socket, as the drive surfaces are parallel to the screw shaft.
- Large drive surfaces ensure optimised transfer of torque.

Take advantage of the choice WASI offers you in this field. Our range of TX screws includes products of all head and thread types and is being continuously extended.



Product no.	Thread length	Size	Drive	PACK
9810-0-8x80	48 mm	8x80	TX 40	100
9810-0-8x100	80 mm	8x100	TX 40	100
9810-0-8x120	80 mm	8x120	TX 40	100
available from November 2007				

## WS 9810 WASHER HEAD SCREWS

WASI QUALITY IN GREAT SHAPE



This new timber screw has been **approved by the German building authorities** and is made in hardened C2 stainless steel. It offers a high ultimate torque and is particularly suitable for use in timber constructions and the installation of solar panels.

### Benefits

- Thanks to the large cross-section of the head, the screws have an excellent head pull-screw resistance and can be tightened with high torques.
- There is no need for separate washers.
- The knurled thread along the middle shaft reduces the screw-in torque, so that less time and force is required for inserting and tightening.
- The specially designed drill tip with scrape point guarantees excellent fit, preventing cracking or splitting of the timber.

On request, WASI washer head screws are also available in other qualities and dimensions.



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## THE FASTEST LINK TO WASI

WE ARE JUST A PHONE CALL AWAY

WASI offers a comprehensive service that continues after we have delivered our products to you:

Mechanical processing including cutting to non-standard lengths, milling of slots, re-cutting of threads, drilling, polishing, and much more /// Customising fastening solutions /// Packaging according to customer requirements /// Shipping of consignments directly to your customers  
On request, WASI ships directly to your customers

If you are looking for the best in fastening technology, contact us.



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