

# WKSS

## Spacer screws, TX

Diameters:  $\varnothing 6$  mm

Length range: from 60 to 160 mm



Countersunk head spacer screw with TX drive is designed to create and regulate space in joint between two wooden based members



TX DRIVE



Zn  
WHITE



EUROPEAN TECHNICAL  
ASSESSMENT  
ETA-18/0817

SCREW MATERIAL - Carbon steel

ANTI-CORROSION PROTECTION - Galvanized steel (white)

### PRODUCT ADVANTAGES:



**CUTTING RIBS** - Allow optimal and smooth countersink with aesthetic finish result.



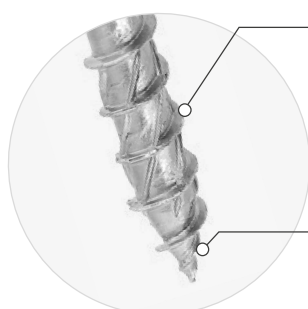
**UNDERHEAD THREAD** - Special asymmetric geometry of the thread enable levelling of fastening quickly and precisely.



**HIGH TORQUE** - Allows screws to be installed without pre-drilling, even in hardwood substrates.



**WAX COATING** - Wax coating applied during the production process significantly reduces the torque.



### NEW CUTTING EDGE / SERRATED THREAD

New special design of cutting edge with added milling reduces screwing resistance by 20%. This helps to extend the life of batteries and power tools. Special cutting notches integrated on the thread cut wood fibres structure while screwing in.

### DOUBLE THREAD

Additional recessed second thread improves remarkably the speed of timber penetration and reaction time of first grip into the wood.

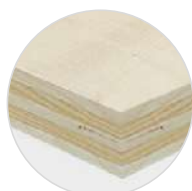
## EXAMPLES OF USE



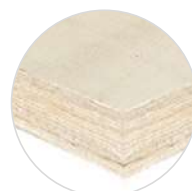
## SUBSTRATES



**Solid timber**



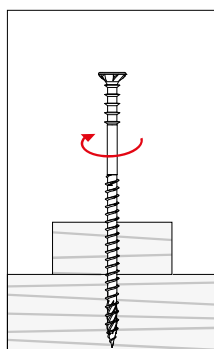
**Glued laminated timber**  
CLT, KVH, BSH/GLT



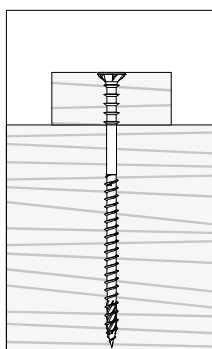
**Laminated Veneer Lumber - LVL**

## INSTALLATION INSTRUCTIONS

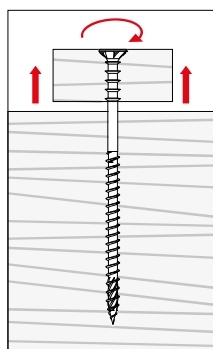
1. Place a screw in a structure.



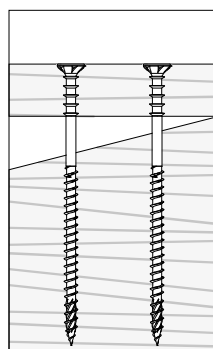
2. Tighten the screw completely.



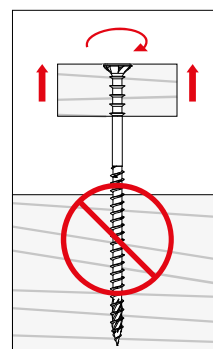
3. Loosen the screw to obtain a gap.



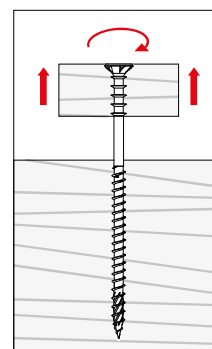
4. Adjust other screws.



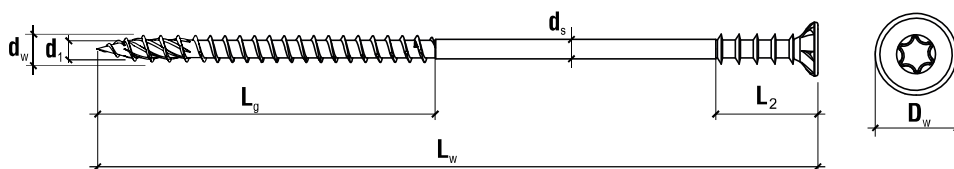
**EXAMPLE OF INCORRECT INSTALLATION**



**EXAMPLE OF CORRECT INSTALLATION**



## WKSS - Spacer screws, TX



Codes and dimensions						
	Product code	Dimensions	Thread length	Underhead thread length	Type of drive	Quantity
	Galvanized - white	$d_w \times L_w$ [mm]	$L_g$ [mm]	$L_2$ [mm]	[-]	[pcs]
WKSS-6						
ø6	WKSS-60060-B	6x60	30	25	TX 30	200
	WKSS-60070-B	6x70	40	25	TX 30	200
	WKSS-60080-B	6x80	50	25	TX 30	200
	WKSS-60090-B	6x90	60	25	TX 30	100
	WKSS-60100-B	6x100	60	25	TX 30	100
	WKSS-60110-B	6x110	60	25	TX 30	100
	WKSS-60120-B	6x120	75	25	TX 30	100
	WKSS-60130-B	6x130	75	25	TX 30	100
	WKSS-60145-B	6x145	75	25	TX 30	100
	WKSS-60160-B	6x160	75	25	TX 30	100

Geometry					
Product	Outer thread diameter	Inner thread diameter	Unthreaded part diameter	Head diameter	Length range
	$d_w$ [mm]	$d_i$ [mm]	$d_s$ [mm]	$D_w$ [mm]	$L_w$ [mm]
<b>WKSS ø6</b>	6	3,9	4,3	12	60-160

Mechanical characteristics					
Product	Characteristic yield moment	Characteristic withdrawal resistance parameter	Characteristic head-pull-through resistance parameter	Characteristic tensile strength	Characteristic torsional strength
	$M_{yk}$ [N*m]	$f_{ak,k}$ [N/mm <sup>2</sup> ]	$f_{head,k}$ [N/mm <sup>2</sup> ]	$f_{tens,k}$ [kN]	$f_{tor,k}$ [N*m]
<b>WKSS ø6</b>	10,0	12,0	15,9	13,0	10,0

Characteristic withdrawal and head-pull-through resistance based on reference density of timber  $\rho_a = 350 \text{ kg/m}^3$