

WN

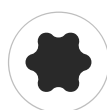
Screw with cone-shaped concealed head, TX

Diameters: $\varnothing 4$ mm | $\varnothing 5$ mm

Length range: from 40 to 80 mm



Screw is designed to be installed in outdoor environments into very hard woods.



TX DRIVE



A2
INOX



PN-EN 14592:2008
+A1:2012

SCREW MATERIAL - Stainless Steel A2

TYPE ON INSTALLATION - Pre-drilling is always recommended for very hard woods.

APPLICATION:

Decking of terraces

Fastening claddings of facades

Construction of small and medium-sized wooden structures in outdoor environments

Other outdoor applications

PRODUCT ADVANTAGES:



SPECIAL CONE-SHAPED CONCEALED HEAD

60, TX drive - Head angle of 60 ensures concealed installation of the screw in the wooden member. TX drive guarantees optimum torque transfer.



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

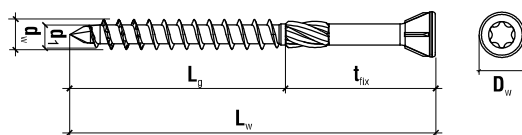


SHANK RIBS - Shank ribs reduce installation torque by reaming the hole.



SERRATED THREAD - Special cutting notches integrated on the thread cut wood fibres structure while screwing in.

SPECIAL CUTTING POINT - Special design of cutting point enables quick initiation of screwing and prevents splitting of wooden elements.



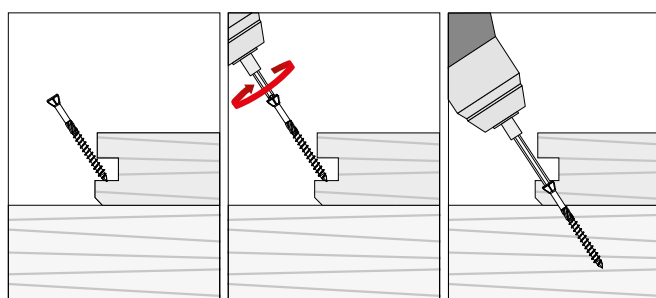
Codes and dimensions						
	Product code	Dimensions	Thread length	Max. usable length	Type of drive	Quantity
		d _w x L _w [mm]	L _g [mm]	t _{fix} [mm]	[-]	[pcs]
WN-4						
ø4	WN-40040-A2	4,0 x 40	22	18	TX 15	200
	WN-40045-A2	4,0 x 45	30	15	TX 15	200
	WN-40050-A2	4,0 x 50	30	20	TX 15	200
	WN-40060-A2	4,0 x 60	35	25	TX 15	200
WN-5						
ø5	WN-50050-A2	5,0 x 50	30	20	TX 20	100
	WN-50060-A2	5,0 x 60	35	25	TX 20	100
	WN-50070-A2	5,0 x 70	40	30	TX 20	100
	WN-50080-A2	5,0 x 80	50	30	TX 20	100

Geometry				
Product	Outer thread diameter	Inner thread diameter	Head diameter	Length range
	d_w [mm]	d_i [mm]	D_w [mm]	L_w [mm]
WN Ø4	4	2,9	6,3	40-60
WN Ø5	5	3,3	7,7	50-80

Mechanical characteristics					
Product	Characteristic yield moment	Characteristic withdrawal resistance parameter	Characteristic head-pull-through resistance parameter	Characteristic tensile strength	Characteristic torsional strength
	$M_{y,k}$ [N*m]	$f_{ax,k}$ [N/mm ²]	$f_{head,k}$ [N/mm ²]	$f_{tens,k}$ [kN]	$f_{tor,k}$ [N*m]
WN Ø4	2,21	16,29	20,75	4,33	3,12
WN Ø5	5,01	15,92	21,57	6,29	5,08

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

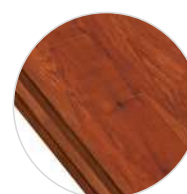
INSTALLATION EXAMPLE



SUBSTRATES



Solid timber



Hardwood