HNT

Screw with cylindrical head and underhead thread, TX

Diameters: ⌀5 mm
Length range: from 50 to 80 mm

Screw is designed to be installed in outdoor environments into very hard woods. Special underhead thread design ensures good coupling of the wooden elements. Cylindrical head allows easy installation of decking boards with pleasing appearance in case of using decking boards, which do not have the tongue cut on one side and the groove on the other side e.g. clips technology fastening. The advantage of direct fastening of decking boards is especially easy removal of single board without the need of removing adjacent boards.

TX DRIVE

A2 INOX

CE
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

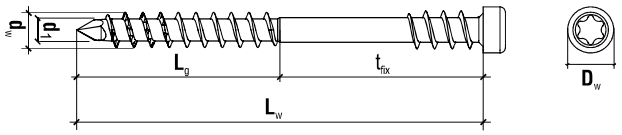
PRODUCT ADVANTAGES:

TX DRIVE - TX drive guarantees optimum torque transfer.

CYLINDRICAL HEAD AND UNDERHEAD THREAD - Size of cylindrical head is matched to width of grooves on decking boards. Underhead thread ensures good coupling of the wooden elements. Aesthetic finish result and also secure fastening are therefore guaranteed.

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]
HNT-5						
ø5	**HNT-50050-A2**	5,0 x 50	22,5	27,5	TX 25	100
	HNT-50060-A2	5,0 x 60	27,5	32,5	TX 25	100
	HNT-50070-A2	5,0 x 70	32,5	37,5	TX 25	100
	HNT-50080-A2	5,0 x 80	37,5	42,5	TX 25	100

Geometry				
Product	Outer thread diameter	Inner thread diameter	Head diameter	Length range
	d_w [mm]	d_1 [mm]	D_w [mm]	L_w [mm]
HNT Ø5	5	3,55	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]
HNT Ø5	3,77	15,6	29,03	6,34	5,22

1. Characteristic withdrawal resistance based on reference density of timber ρ_a = 350 kg/m^3
2. Characteristic head-pull-through resistance based on reference density of timber ρ_a = 350 kg/m^3

SUBSTRATES

Solid timber

Hardwood

INSTALLATION EXAMPLE