

**WKCP** Construction flange head screw, TX



PN-EN 14592:2008  
+A1:2012



made to order

Description

Application	Screw for connecting structural wood elements including solid wood, glued laminated timber, X-Lam and LVL timber panels and wood-based panels.
Type of installation	This screw does not require prior drilling.
Substrate	Chipboard, plywood, wood, sterling board, MDF board
Material	Zinc-plated low carbon steel

Features and advantages



**Wax coating**

Wax coating applied during the production process significantly reduces the torque. This makes the installation easier, faster and saves energy, which is important in the case of battery-powered tools.



**Screw length**

We manufacture screws up to 320 mm long, which enables you to fasten materials up to 240 mm thick



**Flange head with TX drive**

Flange head increases the bearing area and provides tight connection as well as resistance to ensuring head pull-through. TX drive guarantees optimum torque transfer



**Shank ribs**

Shank ribs reduces driving torque by reaming the hole.



**Serrated thread**

Special cutting notches on the thread cut wood structural fibres while the screw is advancing



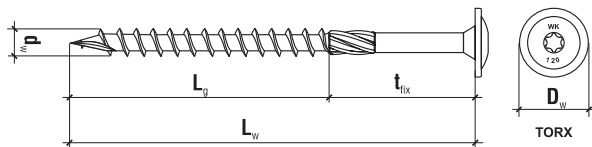
**Special cutting point**

Notched thread tip makes the start of installation easier and prevents timber from splitting

How to read the code, e.g. WKCP-08080?

<b>WKCP</b>	<b>08</b>	<b>080</b>
Type	Diameter 8.0mm	Length 80mm

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	Code	d <sub>w</sub> x L <sub>w</sub> [mm]	L <sub>g</sub> [mm]	t <sub>fix</sub> [mm]	D <sub>w</sub> [mm]	TX	Pcs
<b>ø6.0</b>	WKCP-06050	6.0 x 50	30	20	14	TX 30	100
	WKCP-06060	6.0 x 60	35	25	14	TX 30	100
	WKCP-06070	6.0 x 70	40	30	14	TX 30	100
	WKCP-06080	6.0 x 80	50	30	14	TX 30	100
	WKCP-06090	6.0 x 90	50	40	14	TX 30	50
	WKCP-06100	6.0 x 100	60	40	14	TX 30	50
	WKCP-06120	6.0 x 120	70	50	14	TX 30	50
	WKCP-06140	6.0 x 140	70	70	14	TX 30	50
	WKCP-06160	6.0 x 160	70	90	14	TX 30	50
	WKCP-06180	6.0 x 180	70	110	14	TX 30	50
WKCP-06200	6.0 x 200	70	130	14	TX 30	50	
<b>ø8.0</b>	WKCP-08080	8.0 x 80	50	30	22	TX 40	50
	WKCP-08100	8.0 x 100	50	50	22	TX 40	50
	WKCP-08120	8.0 x 120	80	40	22	TX 40	50
	WKCP-08140	8.0 x 140	80	60	22	TX 40	50
	WKCP-08160	8.0 x 160	80	80	22	TX 40	50
	WKCP-08180	8.0 x 180	80	100	22	TX 40	50
	WKCP-08200	8.0 x 200	80	120	22	TX 40	50
	WKCP-08220	8.0 x 220	80	140	22	TX 40	50
	WKCP-08240	8.0 x 240	80	160	22	TX 40	50
	WKCP-08260	8.0 x 260	80	180	22	TX 40	50
	WKCP-08280	8.0 x 280	80	200	22	TX 40	50
	WKCP-08300	8.0 x 300	80	220	22	TX 40	50
<b>ø10</b>	WKCP-10120	10 x 120	80	40	25	TX 40	50
	WKCP-10140	10 x 140	80	60	25	TX 40	50
	WKCP-10160	10 x 160	80	80	25	TX 40	50
	WKCP-10180	10 x 180	80	100	25	TX 40	50
	WKCP-10200	10 x 200	80	120	25	TX 40	50
	WKCP-10220	10 x 220	80	140	25	TX 40	25
	WKCP-10240	10 x 240	80	160	25	TX 40	25
	WKCP-10260	10 x 260	80	180	25	TX 40	25
	WKCP-10280	10 x 280	80	200	25	TX 40	25
	WKCP-10300	10 x 300	80	220	25	TX 40	25
WKCP-10320	10 x 320	80	240	25	TX 40	25	

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### CHARACTERISTIC RESISTANCE

Resistance	Unit	WKCP ø6	WKCP ø8	WKCP ø10
<b>C24 class timber</b>				
Characteristic pull-out strength (perpendicular to the grain)	$f_{ax,k}$ [N/mm <sup>2</sup> ]	12.54	17.07	14.17
Characteristic pull-out strength (parallel to the grain)	$f_{ax,k}$ [N/mm <sup>2</sup> ]	7.76	10.14	8.76
Characteristic head pull-through strength	$f_{head,k}$ [N/mm <sup>2</sup> ]	21.06	24.36	21.33
Characteristic tensile strength	$f_{tens,k}$ [kN]	10.12	19.78	34.83
Characteristic torsional strength	$f_{tor,k}$ [Nm]	9.57	28.68	32.72
Characteristic insertion moment	$R_{tor,k}$ [Nm]	2.33	7.81	16.21
Characteristic plasticizing moment	$M_{y,k}$ [Nmm]	14815	33429	59716

Sample application of WKCP flange head screw



