

R-PTK Construction screw with wafer head and partial thread

Construction screws designed for connections with increased wood resilience for classes C16 - C24



Approvals and Reports

- ETA 21/0797



Product information

Features and benefits

- Crosswise drilling feathers push the wood fibers instead of cutting them, creating a hole of a correct diameter. The prevent cracking and clogging the thread in the hole
- Precisely rolled tip allows to start drilling immediately
- Milling point with reduced diameter to minimize required torque
- TX drive formed at the right angle in the lower size tolerance allows for tight connection with the bit
- Wafer head shape for higher load transmission
- TX drive with a unified size across the diameters to limit the quantity of bits required

Applications

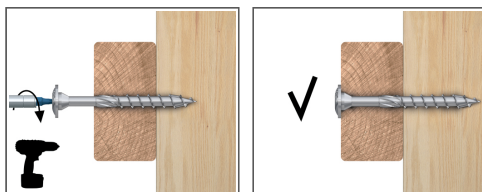
- Fastening timber and wood construction elements
- Rafter fastening to the purlins
- Fastening chipboards to wooden elements
- General wood joints
- Pergolas, bowers, sheds

Base materials

Approved for use in:

- Timber
- Wood
- Chipboard
- Oriented Strand Board
- Plywood

Installation guide



1. Choose the right length of the screw
2. Drive the screw straight until the head is flush
3. Screws with partial thread can clamp wooden parts avoiding spaces between them
4. Washer head effects on high pull-through resistance

Product information

Size	Product Code	Screw			Screw drive
		Diameter	Length		
		d	L	L1	-
		[mm]	[mm]	[mm]	-
6,0	R-PTK-60040-200	6	40	25	T25
	R-PTK-60050-200	6	50	32	T25
	R-PTK-60060-200	6	60	35	T25
	R-PTK-60070-200	6	70	40	T25
	R-PTK-60080-200	6	80	50	T25
	R-PTK-60100-100	6	100	60	T25
	R-PTK-60120-100	6	120	60	T25
	R-PTK-60140-100	6	140	70	T25
	R-PTK-60160-100	6	160	70	T25
	R-PTK-60180-100	6	180	70	T25
	R-PTK-60200-100	6	200	70	T25
	R-PTK-60220-100	6	220	70	T25
8,0	R-PTK-80080-50	8	80	50	T40
	R-PTK-80100-50	8	100	60	T40
	R-PTK-80120-50	8	120	70	T40
	R-PTK-80140-50	8	140	80	T40
	R-PTK-80160-50	8	160	100	T40
	R-PTK-80180-50	8	180	100	T40
	R-PTK-80200-50	8	200	100	T40
	R-PTK-80220-50	8	220	100	T40
	R-PTK-80240-50	8	240	100	T40
	R-PTK-80260-50	8	260	100	T40
	R-PTK-80280-50	8	280	100	T40
	R-PTK-80300-50	8	300	100	T40
	R-PTK-80320-50	8	320	100	T40
	R-PTK-80340-50	8	340	100	T40
	R-PTK-80360-50	8	360	100	T40
	R-PTK-80380-25	8	380	100	T40
R-PTK-80400-25	8	400	100	T40	

Product commercial data

Product Code	Screw		Quantity [pcs]			Weight [kg]			Bar Codes
	Length [mm]		Box	Outer	Pallet	Box	Outer	Pallet	
R-PTK-60040-200	40	25	200.0	3200.0	76800.0	1.22	19.6	500.0	5906675515083
R-PTK-60050-200	50	32	200.0	3200.0	76800.0	1.43	22.9	578.4	5906675515090
R-PTK-60060-200	60	35	200.0	3200.0	76800.0	1.65	26.4	664.5	5906675515106
R-PTK-60070-200	70	40	200.0	2400.0	57600.0	1.88	22.5	570.5	5906675515113
R-PTK-60080-200	80	50	200.0	2400.0	57600.0	2.1	25.5	641.0	5906675515120
R-PTK-60100-100	100	60	100.0	1600.0	38400.0	1.30	20.7	527.4	5906675515137
R-PTK-60120-100	120	60	100.0	1200.0	28800.0	1.53	18.4	470.6	5906675515144
R-PTK-60140-100	140	70	100.0	1200.0	28800.0	1.79	21.4	544.1	5906675515151
R-PTK-60160-100	160	70	100.0	1200.0	28800.0	2.0	24.0	605.8	5906675515168
R-PTK-60180-100	180	70	100.0	800.0	19200.0	2.2	17.6	453.0	5906675515175
R-PTK-60200-100	200	70	100.0	800.0	19200.0	2.4	19.3	492.2	5906675515182
R-PTK-60220-100	220	70	100.0	800.0	19200.0	2.6	20.9	531.4	5906675515199
R-PTK-80080-50 ¹⁾	80	50	50.0	600.0	14400.0	1.02	12.2	323.8	5906675516080
R-PTK-80100-50 ¹⁾	100	60	50.0	600.0	14400.0	1.25	15.0	389.9	5906675516097
R-PTK-80120-50 ¹⁾	120	70	50.0	600.0	14400.0	1.43	17.1	441.3	5906675516103
R-PTK-80140-50 ¹⁾	140	80	50.0	600.0	14400.0	1.63	19.6	500.0	5906675516110
R-PTK-80160-50 ¹⁾	160	100	50.0	600.0	14400.0	1.84	22.0	558.8	5906675516127

Product commercial data

Product Code	Screw		Quantity [pcs]			Weight [kg]			Bar Codes
	Length [mm]		Box	Outer	Pallet	Box	Outer	Pallet	
R-PTK-80180-50 ¹⁾	180	100	50.0	400.0	9600.0	2.0	16.3	421.7	5906675516134
R-PTK-80200-50 ¹⁾	200	100	50.0	400.0	9600.0	2.2	18.0	460.8	5906675516141
R-PTK-80220-50 ¹⁾	220	100	50.0	400.0	9600.0	2.5	19.6	500.0	5906675516158
R-PTK-80240-50 ¹⁾	240	100	50.0	400.0	9600.0	2.6	21.0	534.2	5906675516165
R-PTK-80260-50 ¹⁾	260	100	50.0	400.0	9600.0	2.8	22.6	573.0	5906675516172
R-PTK-80280-50 ¹⁾	280	100	50.0	50.0	4000.0	3.0	3.0	272.4	5906675516189
R-PTK-80300-50 ¹⁾	300	100	50.0	50.0	4000.0	3.2	3.2	288.6	5906675516196
R-PTK-80320-50 ¹⁾	320	100	50.0	50.0	4000.0	3.4	3.4	304.7	5906675516202
R-PTK-80340-50 ¹⁾	340	100	50.0	50.0	4000.0	3.6	3.6	320.9	5906675516219
R-PTK-80360-50 ¹⁾	360	100	50.0	50.0	4000.0	3.8	3.8	337.0	5906675516226
R-PTK-80380-25 ¹⁾	380	100	25.0	25.0	1625.0	2.0	2.0	161.3	5906675516233
R-PTK-80400-25 ¹⁾	400	100	25.0	25.0	1625.0	2.1	2.1	167.9	5906675516240

1) ETA 21/0797