WKCP

Product description

Pan head screw with TX drive for structural connections of wooden beams, including solid, laminated, and wood-based panels.

- Cutting angle: ensures 20% less resistance during screwing
- Double thread: ensures very fast initial bite when screwing
- Special cutting thread: crushes wood fibers during installation

Technical description

- Material: carbon steel
- Corrosion protection: galvanized steel (white or yellow)

New cutting angle

20% less resistance during screwing

Double thread

ensures very fast initial bite when screwing

Special cutting thread

crushes wood fibers during installation

Wax coating

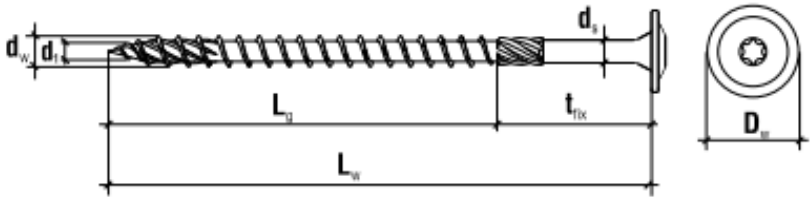
reduces resistance during screwing

Range

Code	Dimensions (mm)	Thread length	Packaging
WKCP-06050-B	6x50	30	100
WKCP-06060-B	6x60	30	100
WKCP-06070-B	6x70	40	100
WKCP-06080-B	6x80	50	100
WKCP-06090-B	6x90	50	100
WKCP-06100-B	6x100	60	100
WKCP-06120-B	6x120	75	100
WKCP-06140-B	6x140	75	100
WKCP-06160-B	6x160	75	100
WKCP-06180-B	6x180	75	100
WKCP-06200-B	6x200	75	100
WKCP-06220-B	6x220	75	100
WKCP-06240-B	6x240	75	100
WKCP-06260-B	6x260	75	100
WKCP-06280-B	6x280	75	100
WKCP-06300-B	6x300	75	100

WKCP-08040-B	8x40	35	50
WKCP-08050-B	8x50	45	50
WKCP-08060-B	8x60	50	50
WKCP-08080-B	8x80	50	50
WKCP-08100-B	8x100	50	50
WKCP-08120-B	8x120	80	50
WKCP-08140-B	8x140	100	50
WKCP-08160-B	8x160	100	50
WKCP-08180-B	8x180	100	50
WKCP-08200-B	8x200	100	50
WKCP-08220-B	8x220	100	50
WKCP-08240-B	8x240	100	50
WKCP-08260-B	8x260	100	50
WKCP-08280-B	8x280	100	50
WKCP-08300-B	8x300	100	50
WKCP-08320-B	8x320	100	50
WKCP-08340-B	8x340	100	50
WKCP-08360-B	8x360	100	50
WKCP-08380-B	8x380	100	50
WKCP-08400-B	8x400	100	50

Technical data



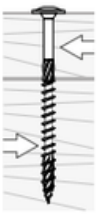
Geometry

Code	Outer thread diameter	Inner thread diameter	Unthreaded shank diameter	Head diameter	Length
WKCP 6	6	3.80	4.30	14	50-300
WKCP 8	8	5.50	5.78	21	40-600

Mechanical properties

Code	Characteristic yield moment	Characteristic withdrawal parameter – softwood	Characteristic withdrawal parameter – LVL	Characteristic head pull-through parameter – softwood	Characteristic head pull-through parameter – LVL	Characteristic tensile strength	Characteristic torsional strength
WKCP 6	10	12	13	14.7	14.7	13	10
WKCP 8	25	12	13	12	12	25	27

WKCP – Pan head screw with TX drive



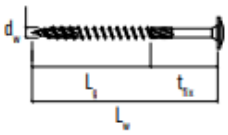
	Without pre-drilled hole	
d (mm)	ø6	ø8
a_1 (mm)	72	96
a_2 (mm)	30	40
$a_{3,t}$ (mm)	90	120
$a_{3,c}$ (mm)	60	80
$a_{4,t}$ (mm)	30	40
$a_{4,c}$ (mm)	30	40

	Without pre-drilled hole	
d (mm)	ø6	ø8
d (mm)	4	5
a_1 (mm)	30	40
a_2 (mm)	18	24
$a_{3,t}$ (mm)	72	96
$a_{3,c}$ (mm)	42	56
$a_{4,t}$ (mm)	18	24
$a_{4,c}$ (mm)	18	24

	Without pre-drilled hole	
d (mm)	ø6	ø8
a_1 (mm)	30	40
a_2 (mm)	30	40
$a_{3,t}$ (mm)	60	80
$a_{3,c}$ (mm)	60	80
$a_{4,t}$ (mm)	60	80
$a_{4,c}$ (mm)	30	40

	Without pre-drilled hole	
d (mm)	ø6	ø8
d (mm)	4	5
a_1 (mm)	24	32
a_2 (mm)	24	32
$a_{3,t}$ (mm)	42	56
$a_{3,c}$ (mm)	42	56
$a_{4,t}$ (mm)	42	56
$a_{4,c}$ (mm)	18	24

WKCP - Schotelkopschroef met TX-aandrijving



D_{vv} (mm)	L_g (mm)	L_{vv} (mm)	t_{1ix} (mm)	$R_{v,k}$ [kN]	$R_{v,k}$ [kN]	$R_{v,k}$ [kN]	$R_{v,k}$ [kN]	$R_{ax,k}$ [kN]	$R_{hea,k}$ [kN]
ø6	50	30	20	1.62	1.66	1.89	2.69	2.16	2.88
	60	30	30	1.79	1.66	2.17	2.85	2.16	2.88
	70	40	30	2.10	1.66	2.35	3.03	2.88	2.88
	80	50	30	2.10	1.66	2.53	3.21	3.60	2.88
	90	50	40	2.35	1.66	2.53	3.21	3.60	2.88
	100	60	40	2.35	1.66	2.71	3.39	4.32	2.88
	120	75	45	2.35	1.66	2.98	3.66	5.40	2.88
	140	75	65	2.35	1.66	2.98	3.66	5.40	2.88
	160	75	85	2.35	1.66	2.98	3.66	5.40	2.88
	180	75	105	2.35	1.66	2.98	3.66	5.40	2.88
	200	75	125	2.35	1.66	2.98	3.66	5.40	2.88
	220	75	145	2.35	1.66	2.98	3.66	5.40	2.88
	240	75	165	2.35	1.66	2.98	3.66	5.40	2.88
	260	75	185	2.35	1.66	2.98	3.66	5.40	2.88
	280	75	205	2.35	1.66	2.98	3.66	5.40	2.88
	300	75	225	2.35	1.66	2.98	3.66	5.40	2.88
ø8	40	35	5	0.62	1.69	1.77	3.41	3.36	5.29
	50	45	5	0.62	2.24	2.26	3.95	4.32	5.29
	60	50	10	1.23	2.78	2.76	4.51	4.80	5.29
	80	50	30	3.25	2.92	3.74	5.23	4.80	5.29
	100	50	50	3.75	2.92	4.05	5.23	4.80	5.29
	120	80	40	3.65	2.92	4.77	5.95	7.68	5.29
	140	100	40	3.65	2.92	5.25	6.43	9.60	5.29
	160	100	60	4.18	2.92	5.25	6.43	9.60	5.29
	180	100	80	4.18	2.92	5.25	6.43	9.60	5.29
	200	100	100	4.18	2.92	5.25	6.43	9.60	5.29
	220	100	120	4.18	2.92	5.25	6.43	9.60	5.29
	240	100	140	4.18	2.92	5.25	6.43	9.60	5.29
	260	100	160	4.18	2.92	5.25	6.43	9.60	5.29
	280	100	180	4.18	2.92	5.25	6.43	9.60	5.29
	300	100	200	4.18	2.92	5.25	6.43	9.60	5.29
	320	100	220	4.18	2.92	5.25	6.43	9.60	5.29
	340	100	240	4.18	2.92	5.25	6.43	9.60	5.29
	360	100	260	4.18	2.92	5.25	6.43	9.60	5.29
	380	100	280	4.18	2.92	5.25	6.43	9.60	5.29
	400	100	300	4.18	2.92	5.25	6.43	9.60	5.29