

Drilling screw, hexagon head pias®

Case-hardened, zinc-plated blue passivated steel, with drill bit. For attaching steel profiles to steel substructures ≤ 5 mm

Reduction of the assembly time by the drill tip by min. 50%:

- Drilling without graining
 - Thread moulding
 - Securing
- all in one operation

Suitable for component combinations t_1 / t_{II} according to approval ETA-10/0184

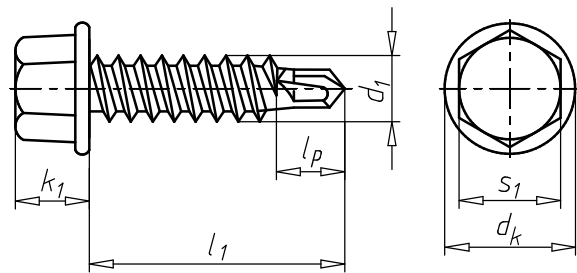
- Steel / steel for $\varnothing 4,2$ mm and $6,3$ mm



22



Standards	CS
Material	Steel
Surface	Zinc plated
RoHS-compliant	Yes
Head type	Hexagon head
Drive type	Hexagon
Thread type	Self-tapping screw thread
Shape of tip	Drilling tip
Underground	Steel, Aluminum



	Length (l ₁)	Head	Head height (k ₁)	Drill tip length (l _p)	Screw-thread length with drill tip		Max. material thickness to be drilled	For max. substructure thickness	Min./max. attachment thickness		Min./max. recom.	Art. no.	P. Qty.
	3.5 mm	9.5 mm	8.3 mm	3.45 mm	3.25 mm	6 mm	WS5.5	2.5 mm	1.5 mm	1.5-6.5 mm	1700-2500 rpm	0214 35 95	500/1000
	3.5 mm	13 mm	8.3 mm	3.45 mm	3.5 mm	9.5 mm	WS5.5	2.5 mm	1.5 mm	1.5-6.5 mm	1700-2500 rpm	0214 35 13	500/2000
	4.2 mm	13 mm	8.8 mm	4.3 mm	4.5 mm	9.5 mm	WS7	3 mm	2 mm	1.5-5.5 mm	1700-2500 rpm	0214 42 13	500/2000
	4.2 mm	16 mm	8.8 mm	4.3 mm	4.5 mm	12.5 mm	WS7	3 mm	2 mm	1.5-8.5 mm	1700-2500 rpm	0214 42 16	500/2000
	4.2 mm	19 mm	8.8 mm	4.3 mm	4.5 mm	15.5 mm	WS7	3 mm	2 mm		1700-2500 rpm	0214 42 19	500
	4.2 mm	22 mm	8.8 mm	4.3 mm	4.5 mm	18.5 mm	WS7	3 mm	2 mm		1700-2500 rpm	0214 42 22	500
	4.2 mm	25 mm	8.8 mm	4.3 mm	4.5 mm	21.5 mm	WS7	3 mm	2 mm		1700-2500 rpm	0214 42 25	500

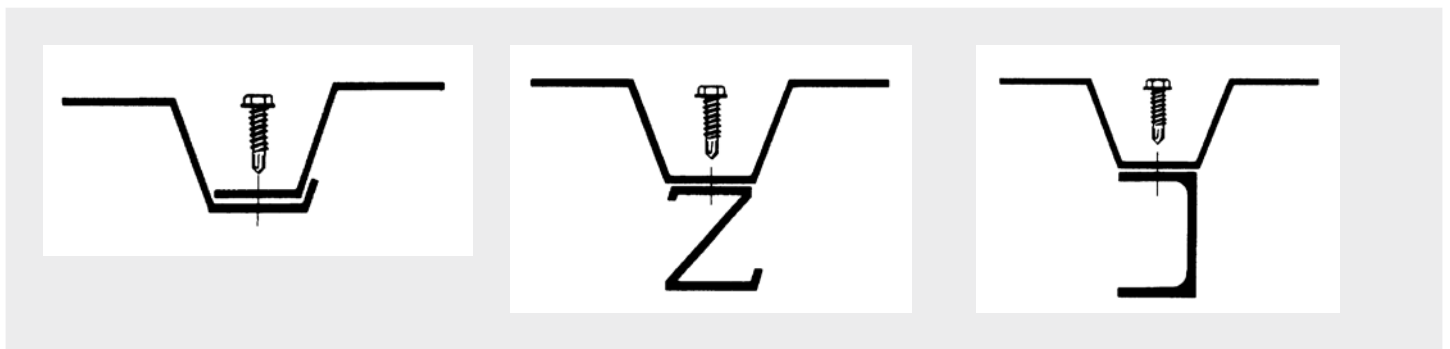
	Length (l ₁)	Head	Head height (k ₁)	Drill tip length (l _p)	Screw-thread length with drill tip		Max. material thickness to be drilled	For max. substructure thickness	Min./max. attachment thickness		Min./max. recom-	Art. no.	P. Qty.
4.2 mm	32 mm	8.8 mm	4.3 mm	4.5 mm	28 mm	WS7	3 mm	2 mm	1.5-24 mm		1700-2500 rpm	0214 42 32	500
4.8 mm	13 mm	10.5 mm	4.45 mm	5.75 mm	9.2 mm	WS8	4.4 mm	3 mm	4.5-4.5 mm		1200-1800 rpm	0214 48 13	500
4.8 mm	16 mm	10.5 mm	4.45 mm	5.75 mm	12 mm	WS8	4.4 mm	3 mm	1.8-7 mm		1200-1800 rpm	0214 48 16	500/2000
4.8 mm	19 mm	10.5 mm	4.45 mm	5.75 mm	15 mm	WS8	4.4 mm	3 mm	1.8-10 mm		1200-1800 rpm	0214 48 19	500/2000
4.8 mm	22 mm	10.5 mm	4.45 mm	5.75 mm	18 mm	WS8	4.4 mm	3 mm	1.8-13 mm		1200-1800 rpm	0214 48 22	500
4.8 mm	25 mm	10.5 mm	4.45 mm	5.75 mm	21 mm	WS8	4.4 mm	3 mm	1.8-16 mm		1200-1800 rpm	0214 48 25	500
4.8 mm	32 mm	10.5 mm	4.45 mm	5.75 mm	28 mm	WS8	4.4 mm	3 mm			1200-1800 rpm	0214 48 32	500/1000
4.8 mm	38 mm	10.5 mm	4.45 mm	5.75 mm	34 mm	WS8	4.4 mm	3 mm			1200-1800 rpm	0214 48 38	500
4.8 mm	45 mm	10.5 mm	4.45 mm	5.75 mm	41 mm	WS8	4.4 mm	3 mm			1200-1800 rpm	0214 48 45	250
4.8 mm	50 mm	10.5 mm	4.45 mm	5.75 mm	46 mm	WS8	4.4 mm	3 mm			1200-1800 rpm	0214 48 50	250/500
4.8 mm	60 mm	10.5 mm	4.45 mm	5.75 mm	56 mm	WS8	4.4 mm	3 mm			1200-1800 rpm	0214 48 60	50
4.8 mm	70 mm	10.5 mm	4.45 mm	5.75 mm	59 mm	WS8	4.4 mm	3 mm	11.5-60.5 mm		1200-1800 rpm	0214 48 70	50
4.8 mm	85 mm	10.5 mm	4.45 mm	5.75 mm	59 mm	WS8	4.4 mm	3 mm	26.5-75.5 mm		1200-1800 rpm	0214 48 85	50
4.8 mm	100 mm	10.5 mm	4.45 mm	5.75 mm	59 mm	WS8	4.4 mm	3 mm	41.5-90.5 mm		1200-1800 rpm	0214 48 100	50
4.8 mm	110 mm	10.5 mm	4.45 mm	5.75 mm	59 mm	WS8	4.4 mm	3 mm	51.5-100.5 mm		1200-1800 rpm	0214 48 110	50
4.8 mm	120 mm	10.5 mm	4.45 mm	5.75 mm	59 mm	WS8	4.4 mm	3 mm	61.5-110.5 mm		1200-1800 rpm	0214 48 120	50
4.8 mm	130 mm	10.5 mm	4.45 mm	5.75 mm	59 mm	WS8	4.4 mm	3 mm	71.5-120.5 mm		1200-1800 rpm	0214 48 130	50
5.5 mm	16 mm	11 mm	5.45 mm	7.25 mm	12 mm	WS8	5.25 mm	4 mm	2-5.5 mm		1200-1800 rpm	0214 55 16	500

	Length (l ₁)	Head	Head height (k ₁)	Drill tip length (l _p)	Screw-thread length with drill tip		Max. material thickness to be drilled	For max. substructure thickness	Min./max. attachment thickness		Min./max. recom-	Art. no.	P. Qty.
5.5 mm	19 mm	11 mm	5.45 mm	7.25 mm	15 mm	WS8	5.25 mm	4 mm	2-8.5 mm		1200-1800 rpm	0214 55 19	500
5.5 mm	22 mm	11 mm	5.45 mm	7.25 mm	18 mm	WS8	5.25 mm	4 mm	2-11.5 mm		1200-1800 rpm	0214 55 22	500
5.5 mm	25 mm	11 mm	5.45 mm	7.25 mm	21 mm	WS8	5.25 mm	4 mm	2-14.5 mm		1200-1800 rpm	0214 55 25	500
5.5 mm	32 mm	11 mm	5.45 mm	7.25 mm	27.5 mm	WS8	5.25 mm	4 mm	2-21 mm		1200-1800 rpm	0214 55 32	500
5.5 mm	38 mm	11 mm	5.45 mm	7.25 mm	33.5 mm	WS8	5.25 mm	4 mm	2-27 mm		1200-1800 rpm	0214 55 38	250
5.5 mm	45 mm	11 mm	5.45 mm	7.25 mm	40.5 mm	WS8	5.25 mm	4 mm	2-34 mm		1200-1800 rpm	0214 55 45	250
5.5 mm	50 mm	11 mm	5.45 mm	7.25 mm	45.5 mm	WS8	5.25 mm	4 mm	2-39 mm		1200-1800 rpm	0214 55 50	250
5.5 mm	60 mm	11 mm	5.45 mm	7.25 mm	55.5 mm	WS8	5.25 mm	4 mm	2-49 mm		1200-1800 rpm	0214 55 60	50
5.5 mm	70 mm	11 mm	5.45 mm	7.25 mm	55 mm	WS8	5.25 mm	4 mm	15.5-59 mm		1200-1800 rpm	0214 55 70	50
5.5 mm	85 mm	11 mm	5.45 mm	7.25 mm	55 mm	WS8	5.25 mm	4 mm	30.5-74 mm		1200-1800 rpm	0214 55 85	50
6.3 mm	16 mm	13.3 mm	6.45 mm	6.5 mm	12 mm	WS10	6 mm	5 mm	2-6 mm		1200-1800 rpm	0214 63 16	500
6.3 mm	19 mm	13.3 mm	6.45 mm	8.5 mm	15 mm	WS10	6 mm	5 mm	2-7 mm		1200-1800 rpm	0214 63 19	500/1000
6.3 mm	22 mm	13.3 mm	6.45 mm	8.5 mm	18 mm	WS10	6 mm	5 mm	2-10 mm		1200-1800 rpm	0214 63 22	500
6.3 mm	25 mm	13.3 mm	6.45 mm	8.5 mm	21 mm	WS10	6 mm	5 mm	2-13 mm		1200-1800 rpm	0214 63 25	500
6.3 mm	32 mm	13.3 mm	6.45 mm	8.5 mm	27.5 mm	WS10	6 mm	5 mm	2-20 mm		1200-1800 rpm	0214 63 32	500
6.3 mm	38 mm	13.3 mm	6.45 mm	8.5 mm	33.5 mm	WS10	6 mm	5 mm	2-26 mm		1200-1800 rpm	0214 63 38	250
6.3 mm	50 mm	13.3 mm	6.45 mm	8.5 mm	45.5 mm	WS10	6 mm	5 mm	2-38 mm		1200-1800 rpm	0214 63 50	250
6.3 mm	60 mm	13.3 mm	6.45 mm	8.5 mm	55.5 mm	WS10	6 mm	5 mm	2-48 mm		1200-1800 rpm	0214 63 60	100/200

	Length (l ₁)	Head	Head height (k ₁)	Drill tip length (l _p)	Screw-thread length with drill tip		Max. material thickness to be drilled	For max. substructure thickness	Min./max. attachment thickness		Min./max. recom-	Art. no.	P. Qty.
6.3 mm	70 mm	13.3 mm	6.45 mm	8.5 mm	59 mm	WS10	6 mm	5 mm			1200-1800 rpm	0214 63 70	100
6.3 mm	80 mm	13.3 mm	6.45 mm	8.5 mm	59 mm	WS10	6 mm	5 mm			1200-1800 rpm	0214 63 80	100
6.3 mm	90 mm	13.3 mm	6.45 mm	8.5 mm	59 mm	WS10	6 mm	5 mm			1200-1800 rpm	0214 63 90	50
6.3 mm	100 mm	13.3 mm	6.45 mm	8.5 mm	69 mm	WS10	6 mm	5 mm			1200-1800 rpm	0214 63 100	50/100
6.3 mm	110 mm	13.3 mm	6.45 mm	8.5 mm	69 mm	WS10	6 mm	5 mm			1200-1800 rpm	0214 63 110	50
6.3 mm	120 mm	13.3 mm	6.45 mm	8.5 mm	69 mm	WS10	6 mm	5 mm	51.75-108 mm		1200-1800 rpm	0214 63 120	50
6.3 mm	130 mm	13.3 mm	6.45 mm	8.5 mm	79 mm	WS10	6 mm	5 mm	51.75-118 mm		1200-1800 rpm	0214 63 130	50
6.3 mm	140 mm	13.3 mm	6.45 mm	8.5 mm	79 mm	WS10	6 mm	5 mm	61.75-128 mm		1200-1800 rpm	0214 63 140	50
6.3 mm	150 mm	13.3 mm	6.45 mm	8.5 mm	79 mm	WS10	6 mm	5 mm	71.75-138 mm		1200-1800 rpm	0214 63 150	50

Can be stored in ORSY® system

Details/Application



Zinc-plated drilling screws may only be used where dampness is not to be expected. For connection elements with a construction permit, the permit, and in particular Part 2 „Special regulations“, must always be observed.