

BiGHTY drilling screw

Fastening steel on steel / timber on steel / steel on timber



BiGHTY

is a drilling screw for steel-steel and timber-steel connections that drills its own core hole and cuts its own mating thread in the component.

There is therefore no need for pilot-drilling or for selecting the correct drill-hole diameter. The specially shaped drill tip prevents the screw from drifting on the surface of the component. This allows fastdrilling.

It is no longer necessary to centre-punch the drilling site.

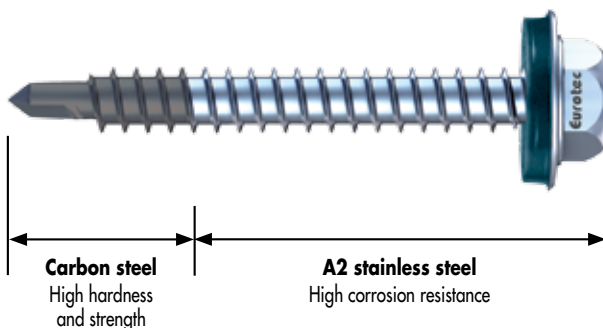
The BiGHTY drilling screw therefore presents a time-saving alternative to conventional self-tapping screws. The BiGHTY drilling screw can be screwed in with a commercially available spanner or socket spanner.

The BiGHTY bimetal combines the high corrosion resistance of A2 stainless steel with the outstanding mechanical properties of a carbon steel.

Advantages BiGHTY bimetal

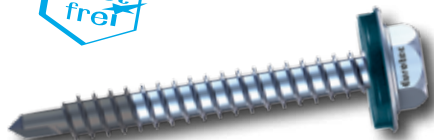
- A2 stainless steel, high corrosion resistance
- tip: Carbon steel, high hardness and strength
- Stainless steel in accordance with DIN 10088
- Seal ring in A2 and EPDM

Schematic representation



BiGHTY drilling screw

bimetal



Art. no. Dimensions (mm) Width across flats Ø Seal ring (mm) H^{a)} (mm) PU

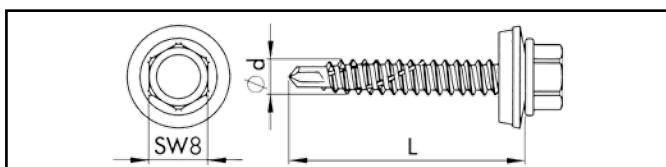
Drilling capacity 3 mm

945884	4,8 x 16	SW8	14	1	500
945885	4,8 x 19	SW8	14	4	500
945886	4,8 x 25	SW8	14	9	500
945887	4,8 x 32	SW8	14	16	500
945888	4,8 x 38	SW8	14	20	200
945847	4,8 x 50	SW8	14	32	200

Drilling capacity 5 mm

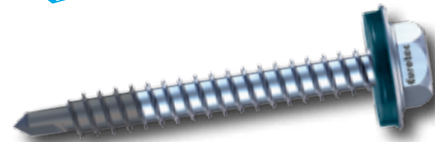
945890	5,5 x 22	SW8	16	3	500
945891	5,5 x 25	SW8	16	7	500
945892	5,5 x 32	SW8	16	14	500
945893	5,5 x 38	SW8	16	20	500
945894	5,5 x 45	SW8	16	27	200
945875	5,5 x 50	SW8	16	32	200
945895	5,5 x 63	SW8	16	45	200

a) H = clamping thickness + sheet thickness t; t_{max} = drilling capacity



BiGHTY drilling screw

bimetal



Art. no. Dimensions (mm) Width across flats Ø Seal ring (mm) H^{a)} (mm) PU

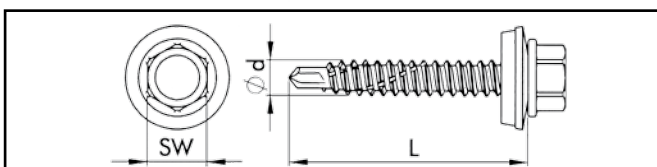
Drilling capacity 5 mm

945896	6,3 x 25	SW10	16	7	500
945897	6,3 x 32	SW10	16	14	200
945898	6,3 x 38	SW10	16	20	200
945899	6,3 x 45	SW10	16	27	200
945841	6,3 x 50	SW10	16	32	200
945900	6,3 x 63	SW10	16	45	200
945901	6,3 x 70	SW10	16	52	200
945902	6,3 x 80	SW10	16	62	200

Drilling capacity 12 mm

945844	5,5 x 38	SW8	16	10	500
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a) H = clamping thickness + sheet thickness t; t_{max} = drilling capacity



BiGHTY drilling screw

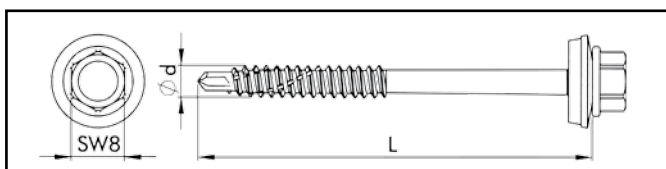
bimetal



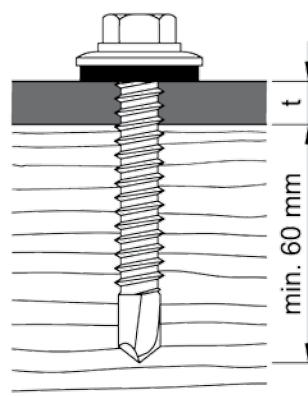
Art. no. Dimensions (mm) Width across flats Ø Seal ring (mm) PU

Drilling capacity 5 mm

945839	6,5 x 120	SW8	16	200
945915	6,5 x 140	SW8	16	200
945916	6,5 x 160	SW8	16	200
945917	6,5 x 180	SW8	16	200
945918	6,5 x 200	SW8	16	200
945919	6,5 x 220	SW8	16	200



Connection option

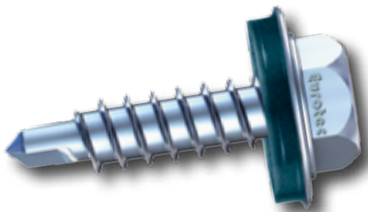


Steel on timber/timber on timber for BiGHTY bimetal 6,5 x L, drilling capacity 5 mm

Please always refer to the information in the ETA-12/0085.

BiGHTY drilling screw

hardened stainless steel, specially coated



Art. no. Dimensions (mm) Width across flats Ø Seal ring (mm) H^{a)} (mm) PU

Drilling capacity 3 mm

945660	4,8 x 19	SW8	14	4	500
945661	4,8 x 25	SW8	14	10	500
945662	4,8 x 32	SW8	14	17	500
945663	4,8 x 38	SW8	14	23	200
945664	4,8 x 50	SW8	14	35	200

Drilling capacity 5 mm

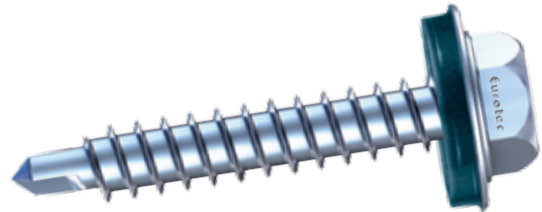
945665	5,5 x 19	SW8	16	2	500
945666	5,5 x 25	SW8	16	8	500
945667	5,5 x 32	SW8	16	15	500
945668	5,5 x 38	SW8	16	21	500
945669	5,5 x 50	SW8	16	33	200
945670	5,5 x 60	SW8	16	43	200

a) H = clamping thickness + sheet thickness t; t_{max} = drilling capacity

- Stainless steel in accordance with DIN 10088
- Seal ring in A2 and EPDM

BiGHTY drilling screw

hardened stainless steel, specially coated



Art. no. Dimensions (mm) Width across flats Ø Seal ring (mm) H^{a)} (mm) PU

Drilling capacity 5 mm

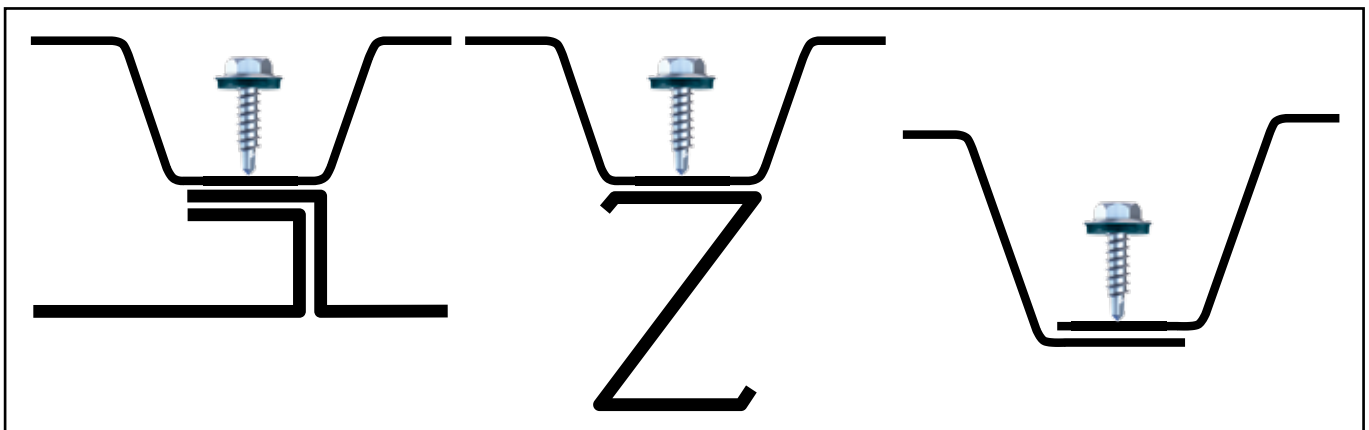
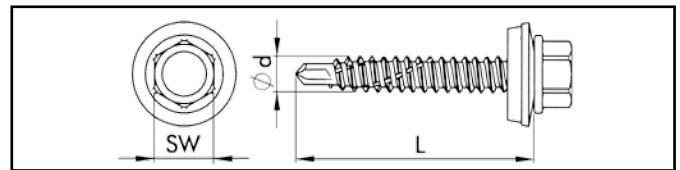
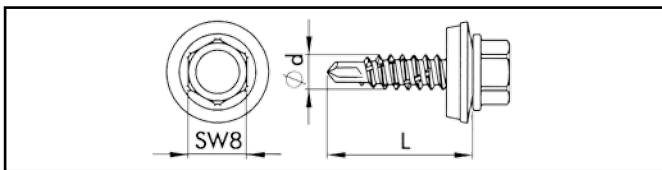
945672	6,3 x 25	SW10	16	8	500
945673	6,3 x 32	SW10	16	15	200
945674	6,3 x 38	SW10	16	21	200
945675	6,3 x 50	SW10	16	33	200
945676	6,3 x 60	SW10	16	43	200

Drilling capacity 12 mm

945671	5,5 x 38	SW8	16	14	500
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a) H = clamping thickness + sheet thickness t; t_{max} = drilling capacity

- Stainless steel in accordance with DIN 10088
- Seal ring in A2 and EPDM



Sandwich-panel screw



Sandwich-panel screw

bimetal

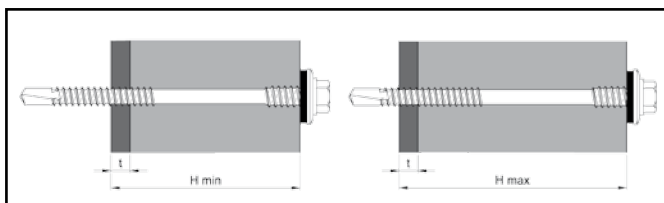
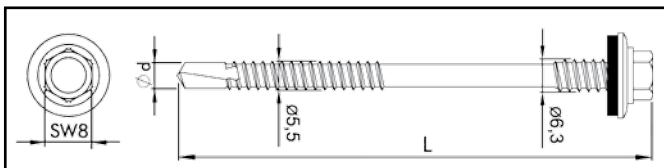


Art. no.	Dimensions ^{a)} (mm)	Width across flats	Ø Seal ring (mm)	H _{min} ^{b)} (mm)	H _{max} ^{b)} (mm)	PU
Drilling capacity 5 mm						
945903	6,3/5,5 x 155	SW8	16	80	135	200
945904	6,3/5,5 x 175	SW8	16	100	155	200
945846	6,3/5,5 x 200	SW8	16	125	180	200
945905	6,3/5,5 x 235	SW8	16	160	215	200
945906	6,3/5,5 x 250	SW8	16	175	230	200
945907	6,3/5,5 x 275	SW8	16	200	255	200
945908	6,3/5,5 x 300	SW8	16	225	280	200
Drilling capacity 12 mm						
945909	6,3/5,5 x 155	SW8	16	75	130	200
945910	6,3/5,5 x 175	SW8	16	95	150	200
945845	6,3/5,5 x 200	SW8	16	120	175	200
945911	6,3/5,5 x 235	SW8	16	155	210	200
945912	6,3/5,5 x 250	SW8	16	170	225	200
945913	6,3/5,5 x 275	SW8	16	195	250	200
945914	6,3/5,5 x 300	SW8	16	220	275	200

a) Ø head thread / Ø drive thread x screw length

b) H = clamping thickness + sheet thickness t; t_{max} = drilling capacity

- specially coated
- Seal ring in A2 and EPDM
- Fastening steel on steel



Roofing screw, Bugle-head screw

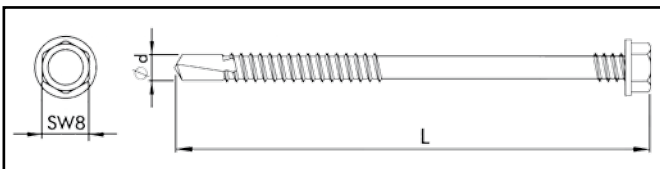
Roofing screw



Art. no.	Dimensions (mm)	Width across flats	PU*
900428	4,8 x 80	SW8	1000
111377	4,8 x 100	SW8	1000
111378	4,8 x 120	SW8	1000
111379	4,8 x 140	SW8	1000
111380	4,8 x 160	SW8	500
111381	4,8 x 180	SW8	500
111382	4,8 x 200	SW8	500
111383	4,8 x 220	SW8	500
111384	4,8 x 240	SW8	250
111385	4,8 x 260	SW8	250

* Plates not included with product

- with hexagon head, secondary thread and drill point
- **Fields of application:** for flat-roof insulation (with anti-slip matting)



Bugle-head screw

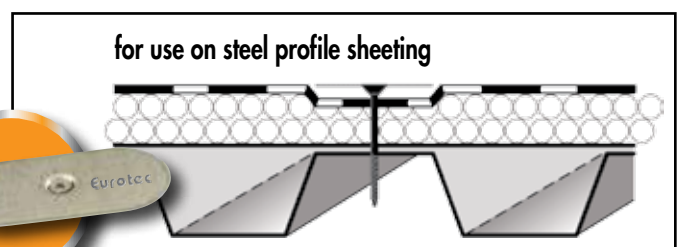
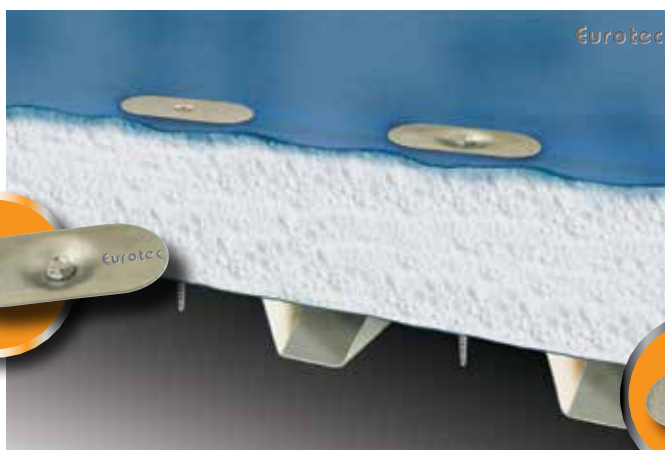
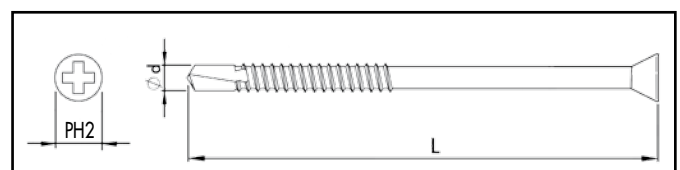
hardened steel, double-coated



Art. no.	Dimensions (mm)	Cross recess	PU*
901113	4,8 x 35	PH2	1000
900290	4,8 x 50	PH2	1000
111388	4,8 x 60	PH2	1000
111389	4,8 x 70	PH2	1000
111390	4,8 x 80	PH2	500
111391	4,8 x 90	PH2	500
111392	4,8 x 100	PH2	500
111393	4,8 x 120	PH2	500
111394	4,8 x 140	PH2	500
111395	4,8 x 150	PH2	500
111396	4,8 x 160	PH2	500
111397	4,8 x 180	PH2	500
111398	4,8 x 200	PH2	500
111399	4,8 x 220	PH2	500
111400	4,8 x 240	PH2	500
111401	4,8 x 260	PH2	500
111402	4,8 x 280	PH2	250
111403	4,8 x 300	PH2	250

* Plates not included with product

- with bugle-head and drill point
- **Fields of application:** for flat-roof insulation (without anti-slip matting)

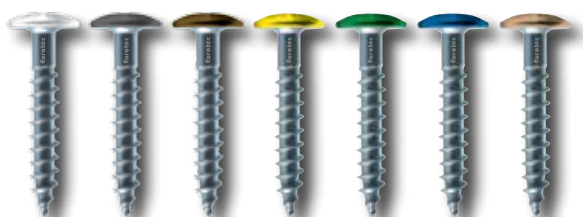
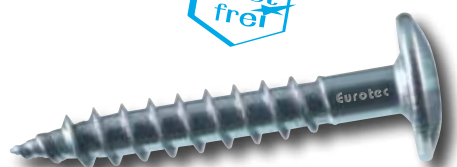


for use on steel profile sheeting

Coloured façade screw

Coloured façade screw

A2 and A4 stainless steel



Art. no.	Dimensions (mm)	Colour	Material	Drive	PU
904670	4,8 x 25	blank	A2	TX20 ●	250
904671	4,8 x 32	blank	A2	TX20 ●	250
904672	4,8 x 38	blank	A2	TX20 ●	250
904675	4,8 x 60	blank	A2	TX20 ●	250
w904670	4,8 x 25	white/RAL 9010	A2	TX20 ●	250
w904671	4,8 x 32	white/RAL 9010	A2	TX20 ●	250
w904672	4,8 x 38	white/RAL 9010	A2	TX20 ●	250
w904675	4,8 x 60	white/RAL 9010	A2	TX20 ●	250
g904670	4,8 x 25	grey/RAL 7016	A2	TX20 ●	250
g904671	4,8 x 32	grey/RAL 7016	A2	TX20 ●	250
g904672	4,8 x 38	grey/RAL 7016	A2	TX20 ●	250
g904675	4,8 x 60	grey/RAL 7016	A2	TX20 ●	250
900429	5,5 x 35	blank	A4	TX20 ●	100
900430	5,5 x 35	brown/RAL 8014	A4	TX20 ●	100
900431	5,5 x 35	white/RAL 9010	A4	TX20 ●	100
900432	5,5 x 35	grey/RAL 7016	A4	TX20 ●	100



Fibre cement screw, washed screw

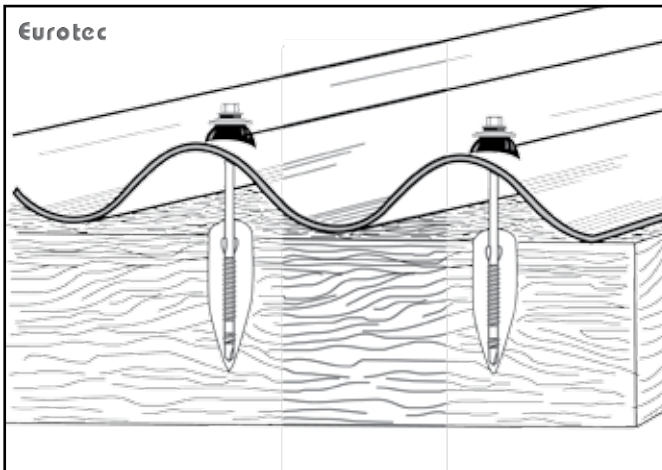
Fibre cement screw

Case-hardened steel and double-coated



Art. no.	Dimensions (mm)	Drive	PU
111353	6,3 x 130	SW8	100

- Hexagon head, with drill point and wings
- Mushroom seal, A2 and EPDM
- **Fields of application:** screwing corrugated fibre-cement boards onto timber



Washed screw

A2 stainless steel, two-part with seal ring



Art. no.	Dimensions (mm)	Ø Seal ring (mm)	Drive	PU
111551	4,5 x 25	15	TX20 ●	500
111552	4,5 x 35	15	TX20 ●	200
111553	4,5 x 45	15	TX20 ●	200
111557	4,5 x 65	15	TX20 ●	200
111558	4,5 x 80	15	TX20 ●	200
111559	4,5 x 100	15	TX20 ●	200
111560	4,5 x 120	15	TX20 ●	200
111561	4,5 x 150	15	TX20 ●	200

- **Fields of application:** Interior construction; e.g. for (commercial) kitchens, cooling systems, etc.

