




Structure material:
concrete




Structure material:
masonry




Structure material:
Timber




Structure material:
autoclaved concrete




Structure material:
Cold-rolled steel profile




Structure material:
hot rolled steel profile




Hex head




Maximum drilling capacity




Thickness of galvanized coating




Additional corrosive protection: gRey. coat




Product made of stainless steel




Made of high-quality nylon (polyamide)




The product contains UV stabilizers




Bimetal screw (dril point with hardened steel on stainless steel bolt)




The thickness of the powder painting coat




Can be paint with powder paint




This product requires pre-drilling




Torque




The recommended screwdriver rpm for screw installation




Minimum anchoring depth



Maximum thickness of fixing elements MTmax

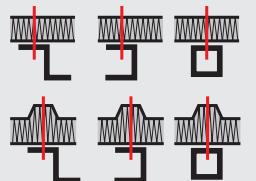
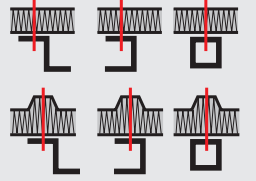




Maximum drilling capacity for two elements



Thickness range of used sandwich panels

SELECTION OF FASTENERS

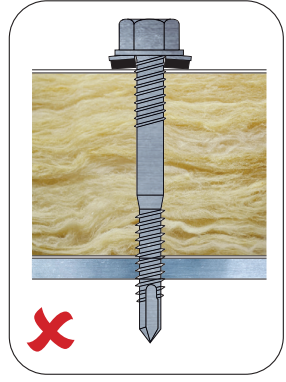
Application type	Example of fixing	Minimum structure thickness	Maximum structure thickness	Environment corrosion class *		
		T min	T max	C3**	C4	C5 I/M
fixing of sandwich panels to steel thin-wall structure		1,20 mm	4,00 mm	-	-	DRILLNOX DF 4
		1,00 mm	6,00 mm	GT 6 SP	GTR 6 SP	GTX 6 SP
fixing of sandwich panels to hot rolled steel structure		3,00 mm	12,00 mm	GT 12 SP	GTR 12 SP	GTX 12 SP
			12,50 mm	-	-	DRILLNOX DF 12,5
		4,00 mm	16,00 mm	-	GTR 16 SP	-
			25,00 mm	-	GTR 25 SP	-
fixing of sandwich panels to concrete		60 mm (H _{ef} 30 or 40 mm)	-	-	GTR W SP	-
fixing of sandwich panels to timber		30 mm (H _{ef} 30 mm)	-	-	GTR W SP	-

SELECTION OF FASTENERS

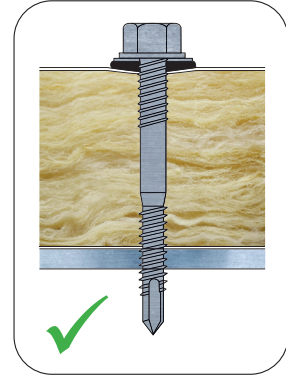
Installation guidelines

- fastener installation should always be perpendicular to the structure,
- fastener installation should be done by using a screwdriver equipped with adjustable clutch or embedding depth stop,
- during installation of the fastener, you should follow all recommended parameters for the type of fastener,
- any modification of fasteners, including cutting, is not allowed,
- in the event of any damage to the anticorrosion coating, defects must be secured (touched up),
- for installation of fasteners coated with paint it is recommended to use only ball-spring sockets.

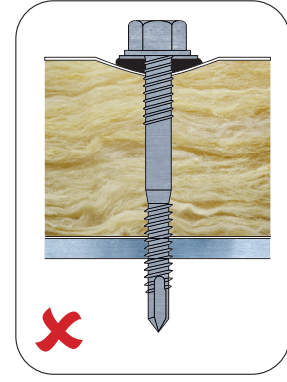
WASHER SETTING RECOMMENDATION (SANDWICH PANEL FIXING)



Under driven

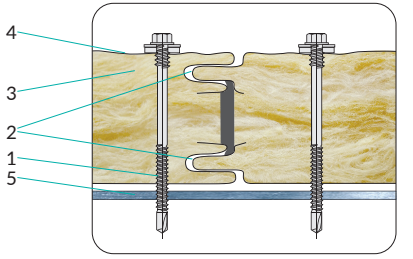


Correct



Over driven

Fixing of a wall sandwich panel



1. Screw

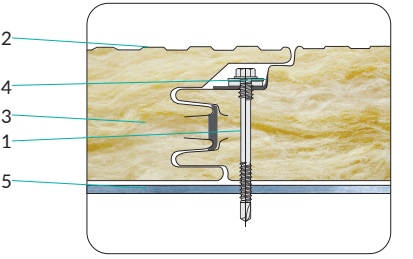
2. Panel scarf joint

3. Panel core (insulating material)

4. Panel lining

5. Substrate

Fixing of a wall sandwich panel with a covered joint



1. Screw

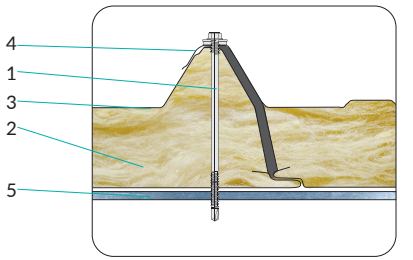
2. Panel lining

3. Panel core (insulating material)

4. Covered fastening

5. Substrate

Fixing of a roof sandwich panel



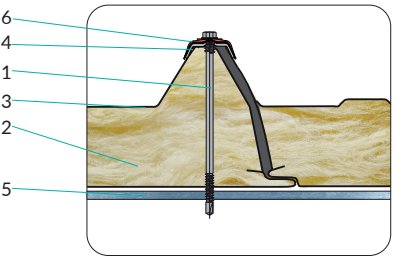
1. Screw

2. Panel core (insulating material)

3. Panel lining

4. Top scarf joint of the roof panel

5. Substrate



1. Screw

2. Panel core (insulating material)

3. Panel lining

4. Top scarf joint of the roof panel

5. Substrate

6. Saddle washer

* fixing point location according to the recommendations of the panel manufacturer

GTX 12 SP S19
GTX 12 SP S29

BIMETAL STAINLESS STEEL
SELFDILLING SCREWS WITH WASHER
FOR FIXING SANDWICH PANELS

Self-drilling, self-tapping screws (double thread) made of austenitic stainless steel (BIMETAL), with drilling point #5, very fine thread and a hex head, with a pre-assembled stainless steel washer with vulcanized EPDM layer.

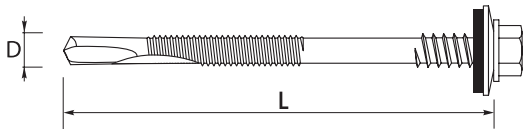
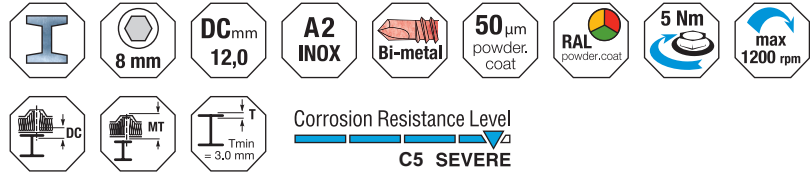
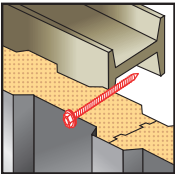
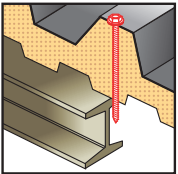


Intended for fastening sandwich panels to steel structures in aggressive environments.

Index GTX 12 SP S19	Screw			MTmin	MTmax	Drilling capacity	Washer		Packaging Single/ Qty/Collective [pcs]
	D	L	Sw				Mat.	Size	
	[mm]	[mm]	[mm]				-	-	
P1750950PL	5,5/6,3	95	8	35	65	12.00	S	19	100/4/400
P1751250PL	5,5/6,3	125	8	65	90	12.00	S	19	100/1/100
P1751500PL	5,5/6,3	150	8	90	115	12.00	S	19	100/1/100
P1751750PL	5,5/6,3	175	8	115	140	12.00	S	19	100/1/100
P1751850PL	5,5/6,3	185	8	125	150	12.00	S	19	100/1/100
P1752100PL	5,5/6,3	210	8	150	175	12.00	S	19	100/1/100
P1752350PL	5,5/6,3	235	8	175	200	12.00	S	19	100/1/100
P1752500PL	5,5/6,3	250	8	190	215	12.00	S	19	100/1/100
P1752750PL	5,5/6,3	275	8	215	240	12.00	S	19	100/1/100

Index GTX 12 SP S29	Screw			MTmin	MTmax	Drilling capacity	Washer		Packaging Single/ Qty/Collective [pcs]
	D	L	Sw				Mat.	Size	
	[mm]	[mm]	[mm]				-	-	
P17509520PL	5,5/6,3	95	8	35	65	12.00	S	29	100/1/100
P17512520PL	5,5/6,3	125	8	65	90	12.00	S	29	100/1/100
P17515020PL	5,5/6,3	150	8	90	115	12.00	S	29	100/1/100
P17517520PL	5,5/6,3	175	8	115	140	12.00	S	29	100/1/100
P17518520PL	5,5/6,3	185	8	125	150	12.00	S	29	100/1/100
P17521020PL	5,5/6,3	210	8	150	175	12.00	S	29	100/1/100
P17523520PL	5,5/6,3	235	8	175	200	12.00	S	29	100/1/100
P17525020PL	5,5/6,3	250	8	190	215	12.00	S	29	100/1/100
P17527520PL	5,5/6,3	275	8	215	240	12.00	S	29	100/1/100

Thickness of fixed elements MTmax is given for the maximum allowable thickness of the substrate.
In special cases, it is recommended to pre-drill the sandwich panels.



GTR 16 SP A19

SELF-DRILLING SCREWS FOR
SANDWICH PANELS

Self-drilling, self-tapping screws (double thread) made of surface-hardened carbon steel, drilling point #6, with fine thread and enlarged hex head, with a pre-assembled aluminum washer with vulcanized EPDM.
Additional corrosion protection: gRey.coat.

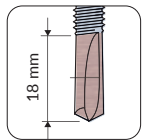
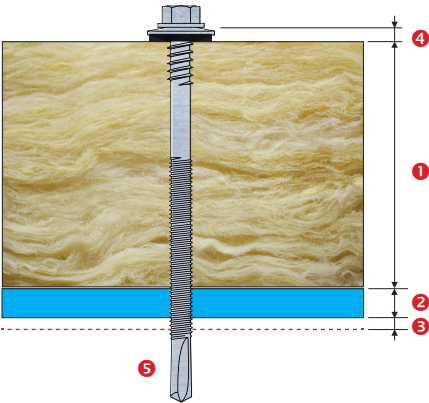
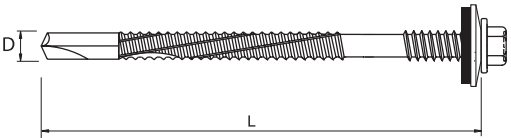
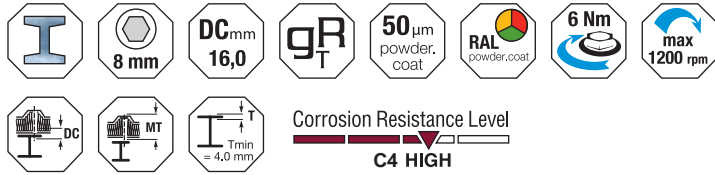
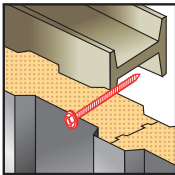
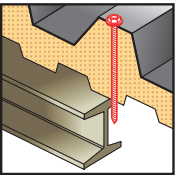


Intended for fastening sandwich panels to thick steel structures. Installation bit included.

Index	Screw			MTmin	MTmax	Drilling capacity	Washer		Packaging Single/ Qty/Collective [pcs]
	D	L	Sw				Mat.	Size	
	[mm]	[mm]	[mm]				-	-	
P157085R0PL	6,3/7,0	85	8	35	40	16.00	A	19	100/4/400
P157105R0PL	6,3/7,0	105	8	55	60	16.00	A	19	100/1/100
P157125R0PL	6,3/7,0	125	8	50	80	16.00	A	19	100/1/100
P157135R0PL	6,3/7,0	135	8	60	90	16.00	A	19	100/1/100
P157155R0PL	6,3/7,0	155	8	65	110	16.00	A	19	100/1/100
P157160R0PL	6,3/7,0	160	8	70	115	16.00	A	19	100/1/100
P157180R0PL	6,3/7,0	180	8	90	135	16.00	A	19	100/1/100
P157190R0PL	6,3/7,0	190	8	100	145	16.00	A	19	100/1/100
P157215R0PL	6,3/7,0	215	8	125	170	16.00	A	19	100/1/100
P157250R0PL	6,3/7,0	250	8	160	205	16.00	A	19	100/1/100
P157280R0PL	6,3/7,0	280	8	190	235	16.00	A	19	100/1/100
P157315R0PL	6,3/7,0	315	8	225	270	16.00	A	19	100/1/100
P157350R0PL	6,3/7,0	350	8	260	305	16.00	A	19	100/1/100

New

Thickness of fixed elements MTmax is given for the maximum allowable thickness of the substrate.



GTR16 SP

EXAMPLE CHOICE OF FASTENER TO BE USED WITH 100 MM THICK SANDWICH PANELS

1. Mounted element (cladding 100 mm)
2. Thickness of the structural member (steel profile 16 mm)
3. Length of threaded part (3 mm)
4. Washer (4 mm)
5. Drill point (18 mm)

The total length of the working part: 141 mm

GTR16 SP A19 6.3/7.0 x 155 (P157155R0PL)