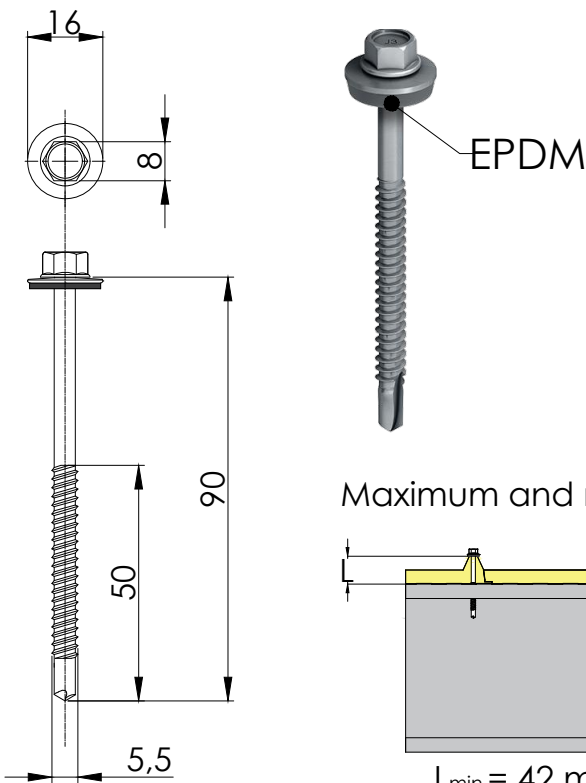
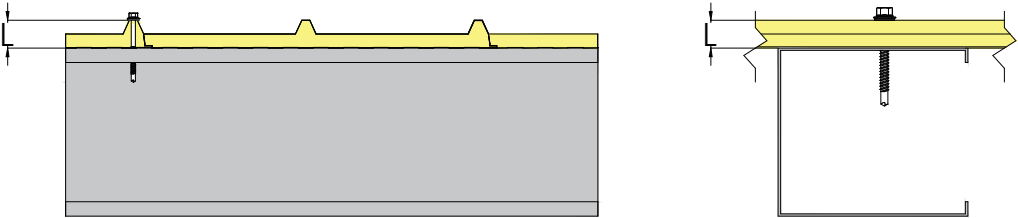


Maximum and minimum length for screwing into sandwich sheet:



L_{min} = 42 mm; L_{max} = 71 mm

For the calculus of the maximum shear + pulling strength the next equation must be taken into consideration:

$$\frac{F_{v,Ed}}{F_{v,Rd}} + \frac{F_{t,Ed}}{1,4 \cdot F_{t,Rd}} \leq 1,0$$

where F_{v,Ed} is the shear load acting on the screw; F_{v,Rd}, the shear strength of the screw; F_{t,Ed}, the axial load acting on the screw; and F_{t,Rd}, the pulling strength of the screw.

MAXIMUM SHEAR LOADS (V _{R,k}) AND PULLOUT LOADS (N _{R,k}) IN 2 mm ALUMINUM PROFILE + STEEL PURLIN OF A THICKNESS OF 'e'							
e (mm)	1.50	1.75	2.00	2.50	3.00	4.00	2x1.50
V _{R,k} (kN)	1.69	2.13	2.56	2.83	3.10	3.63	1.69
N _{R,k} (kN)	1.70	2.15	2.60	3.50	4.50	4.50	2.70

Specifications

Description	Fastening of aluminum structures to steel substructures of a thickness of 1.5-6 mm.
Length	90 mm
Diameter	5.5 mm
Washer's outer diameter	16 mm
Anchoring surface	Steel purlin
Features	Bimetallic drill bit screw Pre-assembled stainless steel + EPDM sealing washer (Class A1) Excellent gripping properties Maximum drilling thickness ≤ 6,0 mm
Max. installation speed	1300 rpm
Driving	SW8
Minimum thickness	1.50 mm

Subject to change without notice. Product illustrations are for illustrative purposes only and may differ from the delivered product.



Tools required:



Safety:



Marking ES19/86524 CE