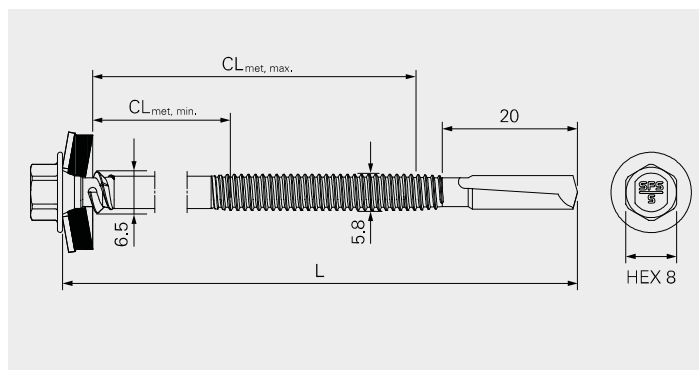
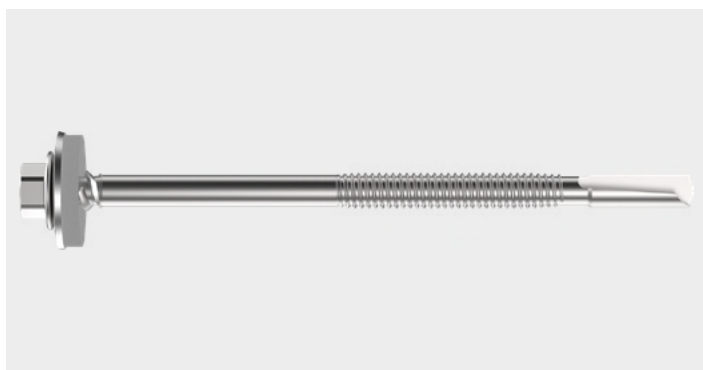


SXC16-5.8



Application

Fastening of sandwich panels onto metal beams
Fastening of profile sheets onto metal beams

Component 1 (t_I / t_{NII})	Component 2 (t_{II})	$\Sigma_{\max} t_I + t_{II}$
Sandwich panel ≥ 0.40	Steel 3.0–14.0	16.0

Fastener material

Austenitic stainless steel A2/A4, case hardened drill point
Sealing washer: Austenitic stainless steel A2/A4, EPDM-seal

Approvals

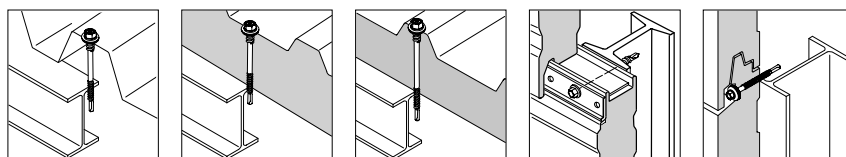
CE₁₉
ETA-13/0183

Features and Benefits

- Self drilling fastener suitable for installation of sandwich panels
- High quality EPDM sealing washer for long-term weather sealing
- Perfect supporting of the sandwich panel outer-skin given by support thread with cut-off thread-end
- Optimized support function achieved by engineered double support thread
- High performance drill point for heavy steel beams
- High bending capacity for absorption of thermal expansion of the sandwich panel outer-skin
- High tension resistance achieved by optimized fastener geometry
- Economical benefits given by less fastener needed and installation time savings

Documentation

Approval document (ETA) | Declaration of performance (DoP)



Fastener in A2 onto steel

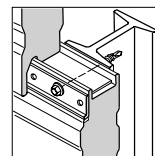
Product code	PU	L	CL _{met}	t _{fix, met}	S16	S19	S22
SXC16-S19-5,8×90-A2	100	90	30–58	30–44/55	1573419	1573595	1573774
SXC16-S19-5,8×110-A2	100	110	40–78	40–64/75	1573420	1573596	1573783
SXC16-S19-5,8×130-A2	100	130	50–98	50–84/95	1573441	1573597	1573789
SXC16-S19-5,8×150-A2	100	150	70–118	70–104/115	1573443	1573707	1573790
SXC16-S19-5,8×170-A2	100	170	90–138	90–124/135	1573445	1573709	1573859
SXC16-S19-5,8×200-A2	100	200	110–168	110–154/165	1573446	1573710	1573875
SXC16-S19-5,8×230-A2	100	230	140–198	140–184/195	1573447	1573712	1574011
SXC16-S19-5,8×260-A2	100	260	170–228	170–214/225	1573448	1573714	1574051
SXC16-S19-5,8×300-A2	100	300	210–268	210–254/265	1573450	1573715	1574054

t_{fix, met}: CL_{met, min.} – (CL_{met, max.} – t_{II, max.} or load-bearing clamping length according ETA)/(CL_{met, max.} – t_{II, min.})

Fastener in A4 onto steel

Product code	PU	L	CL _{met}	t _{fix, met}	S16	S19	S22
SXC16-S19/A4-5,8×90-A4	100	90	30–58	30–44/55	1613574	1613558	1613576
SXC16-S19/A4-5,8×110-A4	100	110	40–78	40–64/75	1613594	1613595	1613596
SXC16-S19/A4-5,8×130-A4	100	130	50–98	50–84/95	1613602	1613603	1613604
SXC16-S19/A4-5,8×150-A4	100	150	70–118	70–104/115	1613606	1613607	1613608
SXC16-S19/A4-5,8×170-A4	100	170	90–138	90–124/135	1613622	1613623	1613626
SXC16-S19/A4-5,8×200-A4	100	200	110–168	110–154/165	1613693	1613694	1613695
SXC16-S19/A4-5,8×230-A4	100	230	140–198	140–184/195	1613699	1613707	1613708
SXC16-S19/A4-5,8×260-A4	100	260	170–228	170–214/225	1613711	1613712	1613713
SXC16-S19/A4-5,8×300-A4	100	300	210–268	210–254/265	1613720	1614801	1614803
SXC16-S19/A4-5,8×355-A4	100	355	265–323	265–309/320	1614805	1606472	1606474

t_{fix, met}: CL_{met, min.} – (CL_{met, max.} – t_{II, max.} or load-bearing clamping length according ETA)/(CL_{met, max.} – t_{II, min.})



Fastener in A2 onto steel

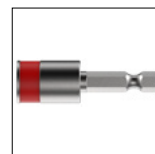
Product code	PU	L	CL _{met}	t _{fix, met}	No washer
SXC16-5,8×90-A2	100	90	33–61	33–47/58	1615954
SXC16-5,8×110-A2	100	110	43–81	43–67/78	1615960
SXC16-5,8×130-A2	100	130	53–101	53–87/98	1615963
SXC16-5,8×150-A2	100	150	73–121	73–107/118	1615978
SXC16-5,8×170-A2	100	170	93–141	93–127/138	1616036
SXC16-5,8×200-A2	100	200	113–171	113–157/168	1616046
SXC16-5,8×230-A2	100	230	143–201	143–187/198	1616051
SXC16-5,8×260-A2	100	260	173–231	173–217/228	1616090
SXC16-5,8×300-A2	100	300	213–271	213–257/268	1616112

t_{fix, met}: CL_{met, min.} – (CL_{met, max.} – t_{II, max.} or load-bearing clamping length according ETA)/(CL_{met, max.} – t_{II, min.})

Fastener in A4 onto steel

Product code	PU	L	CL _{met}	t _{fix, met}	No washer
SXC16-5,8×90-A4	100	90	33–61	33–47/58	1613577
SXC16-5,8×110-A4	100	110	43–81	43–67/78	1613600
SXC16-5,8×130-A4	100	130	53–101	53–87/98	1613605
SXC16-5,8×150-A4	100	150	73–121	73–107/118	1613609
SXC16-5,8×170-A4	100	170	93–141	93–127/138	1613630
SXC16-5,8×200-A4	100	200	113–171	113–157/168	1613697
SXC16-5,8×230-A4	100	230	143–201	143–187/198	1613709
SXC16-5,8×260-A4	100	260	173–231	173–217/228	1613717
SXC16-5,8×300-A4	100	300	213–271	213–257/268	1614804
SXC16-5,8×355-A4	100	355	268–326	268–312/323	1606471

t_{fix, met}: CL_{met, min.} – (CL_{met, max.} – t_{II, max.} or load-bearing clamping length according ETA)/(CL_{met, max.} – t_{II, min.})



Accessories/Ancillaries

Product code	PU	Drive	Head drive	
E308-¼"-50	1	¼"	HEX8	1646160