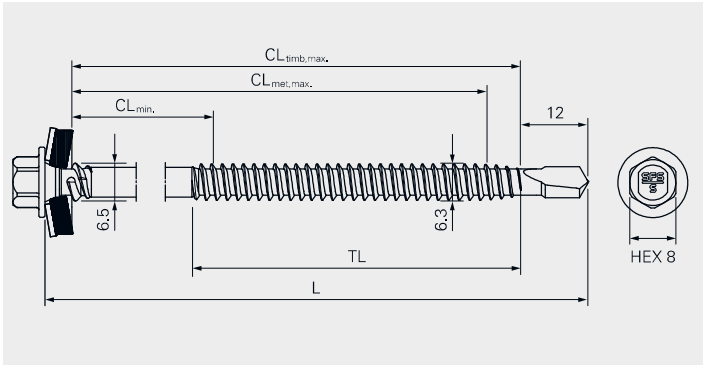


SXC5-6.3



Application

Fastening of sandwich panels onto metal profiles
Fastening of sandwich panels onto timber
Fastening of profile sheets onto metal profiles
Fastening of profile sheets onto timber

Fastener material

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

Component 1 (t_f / t_{NII})

Sandwich panel ≥ 0.40

Component 2 (t_{II})

Steel	1.0–4.0	5.0
Steel	2×0.75–2×2.70	6.50
Timber	$l_{ef} \geq 35$	–

Approvals

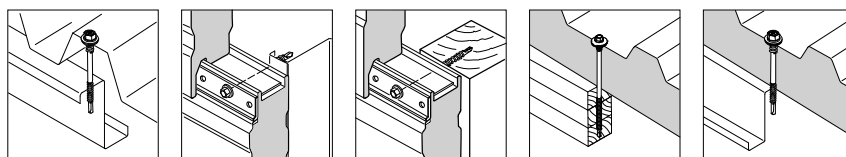
CE₁₉
ETA-13/0183

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
- Easy drilling through overlapped metal profiles given by the long drill point
- 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 and / or optimized subconstruction

Documentation

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



Fastener in A2 onto steel and timber

Product code	PU	L	CL _{met}	t _{fix, met}	CL _{timb}	t _{fix, timb}	TL	S16	S19	S22
SXC5-S19-6,3×65-A2	100	65	15–40	15–35/39	15–40	–	37	1683967	1684006	1684007
SXC5-S19-6,3×80-A2	100	80	30–55	30–50/54	30–65	–	37	1573397	1573583	1573732
SXC5-S19-6,3×100-A2	100	100	40–75	40–70/74	40–85	40–50	47	1573398	1573584	1573734
SXC5-S19-6,3×120-A2	100	120	50–95	50–90/94	50–105	50–70	57	1573400	1573585	1573736
SXC5-S19-6,3×140-A2	100	140	70–115	70–110/114	70–125	70–90	57	1573411	1573586	1573738
SXC5-S19-6,3×160-A2	100	160	90–135	90–130/134	90–145	90–110	57	1573414	1573587	1573740
SXC5-S19-6,3×190-A2	100	190	110–165	110–160/164	110–175	110–140	67	1573415	1573588	1573751
SXC5-S19-6,3×220-A2	100	220	140–195	140–190/194	140–205	140–170	67	1573416	1573590	1573762
SXC5-S19-6,3×250-A2	100	250	170–225	170–220/224	170–235	170–200	67	1573417	1573591	1573768
SXC5-S19-6,3×290-A2	100	290	210–265	210–260/264	210–275	210–240	67	1573418	1573592	1573773

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.})

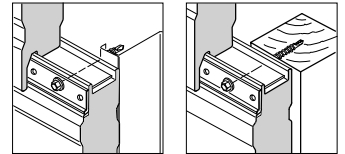
t_{fix, timb}: CL_{timb, min.} – (CL_{timb, max.} – l_{ef, min.})

Fastener in A4 onto steel and timber

Product code	PU	L	CL _{met}	t _{fix, met}	CL _{timb}	t _{fix, timb}	TL	S16	S19	S22
SXC5-S19-6,3×80-A4	100	80	30–55	30–50/54	30–65	–	37	1599990	1600001	1600003
SXC5-S19-6,3×100-A4	100	100	40–75	40–70/74	40–85	40–50	47	1600005	1600007	1600009
SXC5-S19-6,3×120-A4	100	120	50–95	50–90/94	50–105	50–70	57	1600022	1600023	1600024
SXC5-S19-6,3×140-A4	100	140	70–115	70–110/114	70–125	70–90	57	1600026	1600027	1600028
SXC5-S19-6,3×160-A4	100	160	90–135	90–130/134	90–145	90–110	57	1600042	1600043	1600044
SXC5-S19-6,3×190-A4	100	190	110–165	110–160/164	110–175	110–140	67	1600047	1600049	1600051
SXC5-S19-6,3×220-A4	100	220	140–195	140–190/194	140–205	140–170	67	1600055	1600056	1600057
SXC5-S19-6,3×250-A4	100	250	170–225	170–220/224	170–235	170–200	67	1600059	1600064	1600071
SXC5-S19-6,3×290-A4	100	290	210–265	210–260/264	210–275	210–240	67	1600078	1600080	1600134
SXC5-S19-6,3×345-A4	100	345	265–320	265–315/319	265–330	265–295	67	1600140	1600161	1600166

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.})

t_{fix, timb}: CL_{timb, min.} – (CL_{timb, max.} – l_{ef, min.})



Fastener in A2 onto steel and timber

Product code	PU	L	CL _{met}	t _{fix, met}	CL _{timb}	t _{fix, timb}	TL	No washer
SXC5-6,3×65-A2	100	65	18–43	18–38/42	18–53	–	37	1661978
SXC5-6,3×80-A2	100	80	33–58	33–53/57	33–68	–	37	1599843
SXC5-6,3×100-A2	100	100	43–78	43–73/77	43–88	43–53	47	1599844
SXC5-6,3×120-A2	100	120	53–98	53–93/97	53–108	53–73	57	1599847
SXC5-6,3×140-A2	100	140	73–118	73–113/117	73–128	73–93	57	1599848
SXC5-6,3×160-A2	100	160	93–138	93–133/137	93–148	93–113	57	1599851
SXC5-6,3×190-A2	100	190	113–168	113–163/167	113–178	113–143	67	1599857
SXC5-6,3×220-A2	100	220	143–198	143–193/197	143–208	143–173	67	1599859
SXC5-6,3×250-A2	100	250	173–228	173–223/227	173–238	173–203	67	1599860
SXC5-6,3×290-A2	100	290	213–268	213–263/267	213–278	213–243	67	1599871

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.})

t_{fix, timb}: CL_{timb, min.} – (CL_{timb, max.} – l_{ef, min.})

Fastener in A4 onto steel and timber

Product code	PU	L	CL _{met}	t _{fix, met}	CL _{timb}	t _{fix, timb}	TL	No washer
SXC5-6,3×80-A4	100	80	33–58	33–53/57	33–68	–	37	1600004
SXC5-6,3×100-A4	100	100	43–78	43–73/77	43–88	43–53	47	1600010
SXC5-6,3×120-A4	100	120	53–98	53–93/97	53–108	53–73	57	1600025
SXC5-6,3×140-A4	100	140	73–118	73–113/117	73–128	73–93	57	1600029
SXC5-6,3×160-A4	100	160	93–138	93–133/137	93–148	93–113	57	1600045
SXC5-6,3×190-A4	100	190	113–168	113–163/167	113–178	113–143	67	1600052
SXC5-6,3×220-A4	100	220	143–198	143–193/197	143–208	143–173	67	1600058
SXC5-6,3×250-A4	100	250	173–228	173–223/227	173–238	173–203	67	1600073
SXC5-6,3×290-A4	100	290	213–268	213–263/267	213–278	113–243	67	1600137
SXC5-6,3×345-A4	100	345	268–323	268–318/322	268–333	268–298	67	1600185

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.})

t_{fix, timb}: CL_{timb, min.} – (CL_{timb, max.} – l_{ef, min.})



Accessories/Ancillaries

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