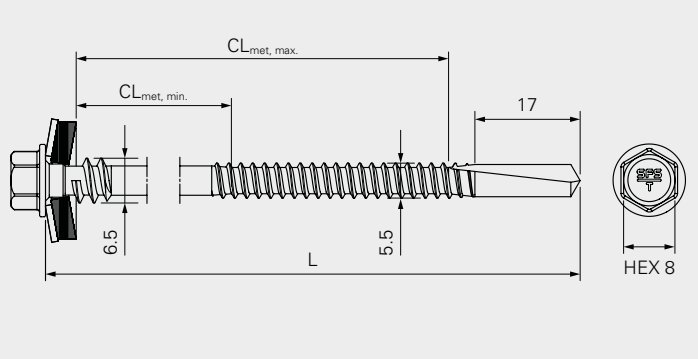
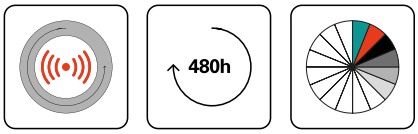
SDT14-5.5





Application

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

Component 1 (t_I / t_{NII})		Component 2 (t_{II})		$\Sigma_{max}\, t_I + t_{II}$
Sandwich panel	≥0.40	Steel	4.0–12.0	14.0

Fastener material

Carbon steel, Durocoat® 480
Sealing washer: Aluminium, EPDM-seal

Approvals

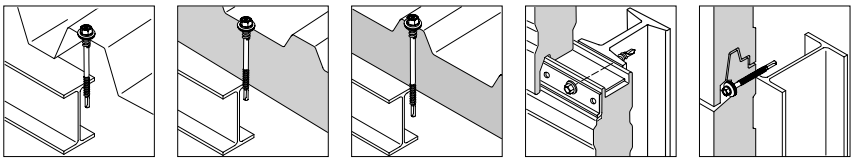
CE 19
ETA-13/0183

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
- High performance drill point for heavy steel beams
- High bending capacity for absorption of thermal expansion of the sandwich panel outer-skin
- High corrosion durability thanks to special galvanic zinc coating

Documentation

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

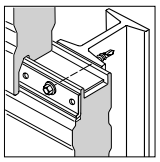


Fastener in carbon steel onto steel

Product code	PU	L	CL_{met}	$t_{fix, met}$	A19
SDT14-A19-5,5×78	100	78	30–53	30–41/49	1422750
SDT14-A19-5,5×98	100	98	40–73	40–61/69	1423712
SDT14-A19-5,5×118	100	118	50–93	50–81/89	1423880
SDT14-A19-5,5×138	100	138	70–113	70–101/109	1423882
SDT14-A19-5,5×158	100	158	90–133	90–121/129	1423884
SDT14-A19-5,5×188	100	188	110–163	110–151/159	1424470
SDT14-A19-5,5×218	100	218	140–193	140–181/189	1424471
SDT14-A19-5,5×248	100	248	170–223	170–221/229	1424472
SDT14-A19-5,5×288	100	288	210–263	210–251/259	1424498
SDT14-A19-5,5×348	100	348	270–323	270–311/319	1465147

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

See approval OEM



Fastener in carbon steel onto steel

Product code	PU	L	CL_{met}	$t_{fix, met}$	No washer
SDT14-5,5×78	100	78	33–56	33–44/52	1422748
SDT14-5,5×98	100	98	43–76	43–64/72	1423711
SDT14-5,5×118	100	118	53–96	53–84/92	1423879
SDT14-5,5×138	100	138	73–116	73–104/112	1423881
SDT14-5,5×158	100	158	93–136	93–124/132	1423883
SDT14-5,5×188	100	188	113–166	113–154/162	1491055
SDT14-5,5×218	100	218	143–196	143–184/192	1491056
SDT14-5,5×248	100	248	173–226	173–214/222	1491057
SDT14-5,5×288	100	288	213–266	213–254/262	1491059
SDT14-5,5×348	100	348	273–326	273–314/322	1476752

$t_{fix, met}$: $CL_{met, min.}$– ($CL_{met, max.}$ –$t_{II, max.}$ 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