

SCOTS®

LONG LIFE TEKS FASTENER

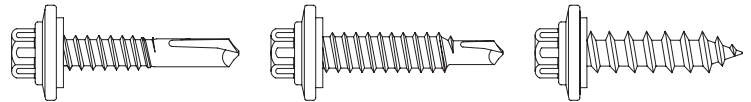
The Original Buildex Scots 300 Stainless Steel Encapsulated Head will never rust... ever!!!

PRODUCT FEATURES

- For improved appearance and extra life, an integral design controls the EPDM rubber washer.
- Combines 300 series stainless steel exterior with the strength of carbon steel.
- 300 series stainless most preferred for galvalume long life panels.
- Maximum sealing and corrosion protection.
- Point has precise cutting edges to improve drill performance with less effort.
- Non-walking point provides fast material engagement.
- Point to thread design maximizes pullout performance and minimizes backout.
- Drills and taps in the broadest range of applications.



SELECTOR GUIDE



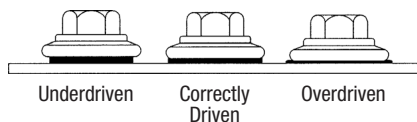
PART NO.	DESCRIPTION	HEAD STYLE	DRILL POINT	FINISH	DRILL & TAP CAPACITY (IN.)	MAX. MATERIAL ATTACHMENT (IN.)	BOX QTY	APPLICATIONS
1165253	12-14 x 1"	5/16" HWH	#3	Climaseal	.036 - .210	.310	2,500	Panel over blanket insulated to steel frame Roof curb to structural frame
1167253	12-14 x 1-1/4"	5/16" HWH	#2	Climaseal	.036 - .210	.560	2,500	
1168254	12-14 x 1-1/2"	5/16" HWH	#2	Climaseal	.036 - .210	.790	2,000	
1163000	12-24 x 2"	5/16" HWH	#5	Climaseal	.125 - .500	1.000	1,500	
†1095253	1/4-14 x 7/8"	5/16" HWH	#1	Climaseal	.018 - .095	.320	2,500	Standing seam roof system endlaps Stitch roof and wall sidelaps. SSR endlaps.
†1175153	1/4-14 x 1-1/8"	5/16" HWH	#1	Climaseal	.018 - .095	.395	2,500	
1616000	1/4-14 x 1-1/4"	5/16" HWH	#3	Climaseal	.036 - .210	.630	2,000	
†1180225	17-14 x 1"	5/16" HWH	AB	Climaseal	—	.686	1,500	Replacement screw for 12 and 1/4" diameter

†With ABOT™ (Anti-backout threadform)



INSTALLATION GUIDELINES

- A standard screwgun with a depth sensitive nosepiece should be used to install Tek®. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500. Maximum 1800 RPM is recommended for Tek 5 fasteners.
- Adjust the screwgun nosepiece to properly seat the fastener.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
- Overdriving may result in torsional failure of the fastener or stripout of the substrate.
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.



HEAD STYLE



PERFORMANCE DATA

PULLOUT VALUES (AVERAGE LBS. ULTIMATE)											
FASTENER		STEEL GAUGE									
DIA.	PT.	26	24	22	20	18	16	14	12	3/16"	1/4"
12	2	156	243	283	375	605	848	1181	1856	3520	–
12	3	141	231	293	346	613	880	1145	1858	4555	–
12	5	–	–	–	–	–	–	–	1527	3701	3999
1/4	1	208	329	428	562	800	1151	–	–	–	–
1/4	3	141	231	293	346	613	880	1145	1858	4550	–
17	AB	225	261	350	442	553	752	1122	1716	3523	4250

FASTENER VALUES			
FASTENER (DIA-TPI)	TENSILE (AVG. LBS. ULT.)	SHEAR (AVG. LBS. ULT.)	TORQUE (MIN. IN. LBS.)
12-14	2778	2000	92
12-24	4750	2654	100
1/4-14	4060	2600	150
17-14	5300	3200	180

SHEAR VALUES (AVERAGE LBS. ULTIMATE)											
FASTENER		STEEL GAUGE (LAPPED)									
DIA.	PT.	26	24	22	20	18	16	14	12	3/16"	1/4"
12	2	365	600	623	898	1370	1758	2138	2202	–	–
12	3	–	–	–	769	1358	1620	1970	1986	–	–
12	5	–	–	–	–	–	–	–	2700	2720	2762
1/4	1	511	849	885	1244	1764	–	–	–	–	–
1/4	3	–	–	–	930	1442	2100	2584	–	–	–
17	AB	459	745	989	958	1415	–	–	–	–	–

SHEET STEEL GAUGES								
GAUGE NO.	26	24	22	20	18	16	14	12
DECIMAL EQUIVALENT	.018"	.024"	.030"	.036"	.048"	.060"	.075"	.105"

The values listed are ultimate averages achieved under laboratory conditions and apply to Buildex manufactured fasteners only. Appropriate safety factors should be applied to these values for design purposes.

