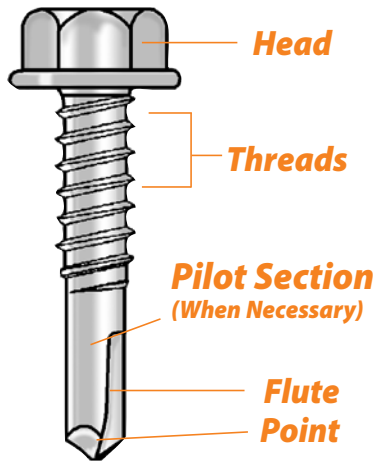


TEKS[®] Fastening Features

FEATURES



HEAD

Proper head style choice will ensure stability during driving, proper clamping and desired finished appearance.

THREAD FORM AND DIAMETER

The correct choice of thread form and diameter optimizes low installation torque with high pullout strength.

PILOT SECTION

The unthreaded portion of the point assures the drilling of the steel is completed before the threads begin tapping into the drilled hole.

POINT

The point is designed to efficiently remove material and precisely size the hole for the thread.

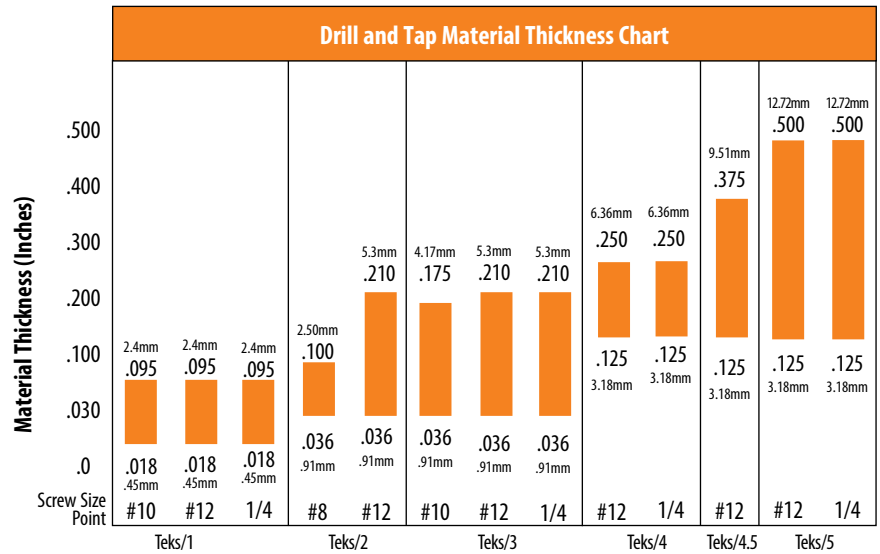
FINISH

Platings and coatings provide lubricity during drilling and tapping as well as corrosion resistance.

FASTENER DESCRIPTION AND BREAKDOWN — EXAMPLE

10 - **16** x **3/4"** **HWH** **Teks/3**
Nominal Screw Size Threads Per Inch Screw Length Head Style Drill Point Type

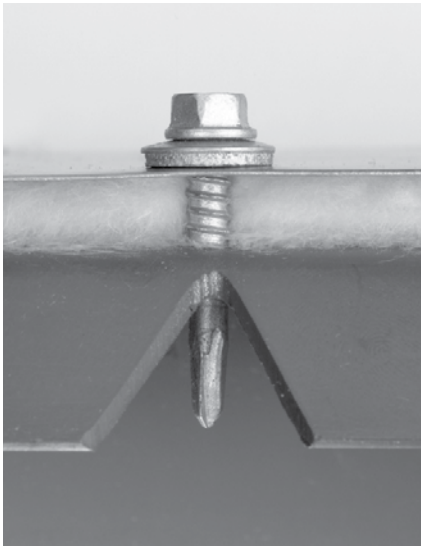
Nominal Screw Sizes		Steel Gauge Chart		
Thread Diameter	Decimal Equivalent	Common Sheet Steel Gauges	Decimal Eq.	
			Inches	MM
#6	.140	30	.012	.30
#7	.150	28	.015	.38
#8	.160	26	.018	.45
#9	.180	24	.024	.61
#10	.190	22	.030	.76
#11	.200	20	.036	.91
#12	.210	18	.048	1.21
#13	.230	16	.060	1.52
#14	.240	14	.075	1.90
#14	.240	12	.105	2.65
1/4	.250	1/8	.125	3.18
#17	.286	10	.134	3.42
		3/16	.187	4.77
		1/4	.250	6.36
		1/2	.500	12.72



*Drill & tap capacities may vary with special feature designs. Refer to product reports for specifics.

TEKS[®] with Bonded Washer

*For Weather-Tight
Sealing of Roof and
Wall Applications*



DESCRIPTION/ADVANTAGES

Metal Roof and Wall Applications—



- Vulcanized bonding of washer eliminates separation of EPDM from the metal backing.
- Dual sealing bonded washer prevents leaks.
- Climaseal[®] finish provides excellent corrosion resistance and lower tapping torque.
- Point has precise cutting edges to improve drill performance with less effort.
- Point to thread design maximizes pullout performance and minimizes backout.

SPECIFICATIONS

Diameter / Thread Form

10-16
12-14
12-24
1/4-14
1/4-28

Head Styles



Hex Washer Head with
Bonded Washer(HWH)

Washer Style Galvanized (G-90)

Drill Point

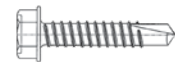
Teks 1



Teks 2



Teks 3



Teks 5



Finish

Type

Climaseal[®] Coating (CL)

Climaseal[®]+ Coating (CL+)

Kesternich Results (DIN 50018, 2.0L)

30 cycles - 10% or less red rust

Meets or exceeds Kesternich and Salt Spray Results of Climaseal[®] Coating (CL)

Salt Spray Results (ASTM B117)

1000 hours - 10% or less red rust

INSTALLATION INSTRUCTIONS

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

PERFORMANCE TABLES

Sheet Steel Gauges

GAUGE NO.	12	14	16	18	20	22	24	26
Nominal Decimal Equivalent (Inch)	.105	.075	.060	.048	.036	.030	.024	.018

Pullout Values (Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lbs.)									
DIA.	PT	26	24	22	20	18	16	14	12	3/16	1/4
#10	3	124	208	266	299	499	708	967	1474	-----	-----
#12	2	156	243	283	375	605	848	1181	1856	3520	-----
	3	142	211	289	341	551	757	1063	1631	2998	-----
#12	4	-----	-----	-----	-----	-----	-----	-----	1532	3485	3844
	4.5	-----	-----	-----	-----	-----	-----	-----	1508	3865	4104
	5	-----	-----	-----	-----	-----	-----	-----	1527	3701	3999
1/4	1	208	329	428	562	800	1151	-----	-----	-----	-----
	3	141	231	293	346	613	880	1145	1877	4550	-----
	5	-----	-----	-----	-----	-----	607	918	1507	3300	5059

Shear Values (Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lapped)									
DIA.	PT	26	24	22	20	18	16	14	12	1/8	1/4
#10	3	-----	445	526	728	1266	1540	1552	-----	-----	-----
#12	2	365	600	623	898	1370	1758	2138	-----	-----	-----
	3	-----	-----	-----	769	1358	1620	1970	1986	-----	-----
#12	4	-----	-----	-----	-----	-----	-----	-----	2048	2030	-----
	4.5	-----	-----	-----	-----	-----	-----	-----	2641	2887	-----
	5	-----	-----	-----	-----	-----	-----	-----	2650	2700	-----
1/4	1	511	849	885	1244	1764	-----	-----	-----	-----	-----
	3	-----	-----	-----	930	1442	2100	2584	2650	-----	-----
	5	-----	-----	-----	-----	-----	1597	2005	2350	2792	3310

Fastener Values

FASTENER (Dia-TPI)	TENSILE (Lbs. Min.)	SHEAR (Avg. Lbs. Ultimate)	TORQUE (Min. in Lbs.)
10-16	1936	1400	61
12-14	2778	2000	92
12-24	3020	2100	100
1/4-14	4060	2600	150
1/4-28	5577	3310	234

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.