

Teks®

ELITE

APPLICATIONS

Roofing Applications

Teks Elite screws are designed for attaching metal roofing and siding panels to steel or wood framing, and are available in sharp point or drill point options.

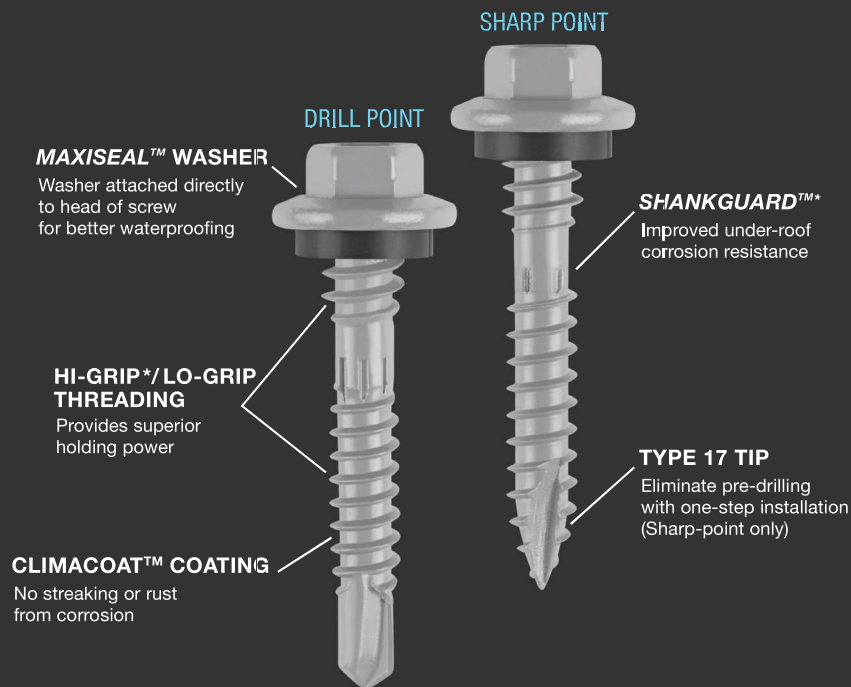
Sharp Point Screws

Ideal for metal-to-wood applications.

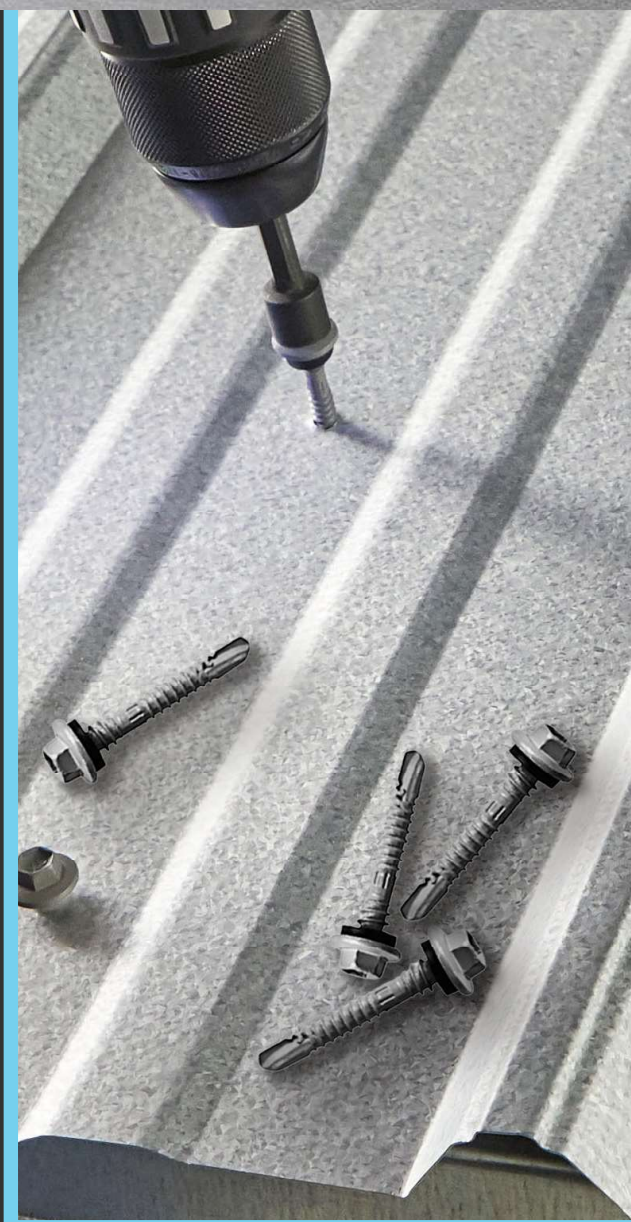
Drill Point Screws

Ideal for metal-to-metal applications.

PRODUCT FEATURES



*Not available on 1" screws



PRODUCT SPECIFICATIONS

DIAMETER	LENGTH	HEAD STYLE	POINT STYLE	AVAILABLE PACK SIZES
#12	1"	5/16" Hex Head	Sharp Point	120PK
#10	1 1/2"	5/16" Hex Head	Sharp Point	100PK, 300PK
#12	1"	5/16" Hex Head	Drill Point	80PK
#12	1 1/2"	5/16" Hex Head	Drill Point	75PK, 225PK

PERFORMANCE DATA

Performance values presented below are for guidance only. Consult your local building requirements for appropriate applications and safety factors.

TENSILE LOAD		
Style	Size	Allowable Tensile Load ² (lbf)
Drill Point	#12	1,177
	#10	956
Sharp Point	#12	1,109

TORSIONAL STRENGTH		
Style	Size	Minimum Torsional Strength (in-lbs)
Drill Point	#12	103
	#10	77
Sharp Point	#12	97

1. Tested according to AISI S904
2. Allowable load values were calculated from an average ultimate load with a safety factor of 3.0 applied.

STEEL DECKING PULL-OVER STRENGTH			
Style	Size	Steel Decking Thickness ² (ga)	Allowable Pull-Over Load ³ (lbf)
Drill Point	#12	24	270
		26	231
		29	142
Sharp Point	#10	24	328
		26	237
		29	179
Sharp Point	#12	24	328
		26	237
		29	179

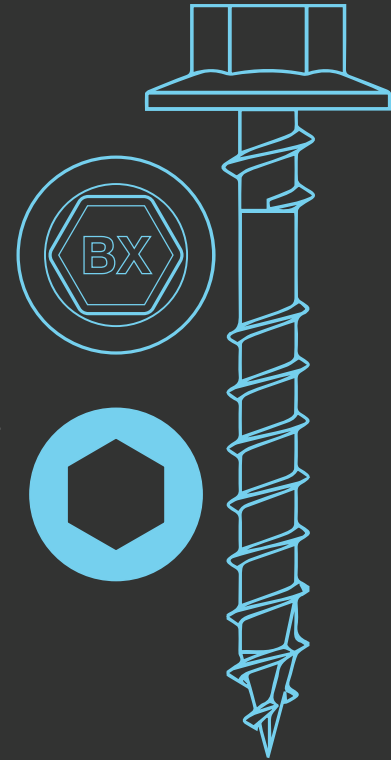
1. Tested according to AISI S905
2. For steel decking thicknesses greater than 24 gage, the 24 gage values shall be used.
3. Allowable load values were calculated from an average ultimate load with a safety factor of 3.0 applied

WITHDRAWAL STRENGTH FROM STEEL			
Style	Size	Steel Thickness ² (ga)	Allowable Withdrawal Load ³ (lbf)
Drill Point	#12 x 1 in.	16	118
		18	92
		20	56
Drill Point	#12 x 1-1/2 in.	16	129
		18	111
		20	67

1. Tested according to AISI S905
2. For steel thicknesses greater than 16 gage, the 16 gage values shall be used.
3. Allowable load values were calculated from an average ultimate load with a safety factor of 3.0 applied

WITHDRAWAL STRENGTH FROM WOOD				
Style	Size	Wood Material	Minimum Penetration (in.)	Allowable Withdrawal Load ² (lbf/in.)
Sharp Point	#10	SPF ³	3/4	76
		SYP ⁴	3/4	93
Sharp Point	#12	SPF ³	5/8	83
		SYP ⁴	5/8	101

1. Tested according to ASTM D 1761
2. Allowable load values were calculated as pounds per inch of penetration into the wood member. A safety factor of 5.0 was applied.
3. Spruce pine fir with a minimum specific gravity of 0.42.
4. Southern yellow pine with a minimum specific gravity of 0.55.



INSTALLATION GUIDELINES

Using the appropriate hex socket, drill through material until head is properly seated.



- Use a standard screwgun with a depth sensitive nosepiece
- For optimal performance, screwgun should be a minimum of 4 amps and 0-2000 RPM
- Fastener must penetrate beyond metal a minimum of 3 pitches of thread
- Overdriving may result in torsional failure of fastener or stripout of substrate