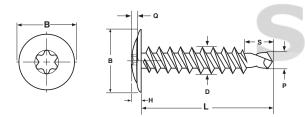
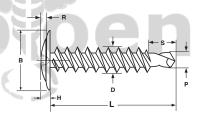
SELF-DRILLING

Modified Truss Six-Lobe & Square Recess







Six-Lobe Recess

Square Recess

Modified Truss Head Self Drilling Screws—Six-Lobe & Square Recess																	
ninal B		н		D1		D2		Q		Six- Lobe Driver Size	R		Square Driver Size	S Point Length		Point Size	
Size & Num- ber of Diameter		Total Head Height		Minor Diameter		Major Diameter		Six-Lobe Recess Penetration			Square Recess Penetration						
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min		Max	Min		Max	Min		
.401	.385	.099	.070	.104	.098	.139	.131		.045	T-10		.030	#1	.158	.117	#2	
.446	.426	.098	.082	.122	.116	.166	.160	.052	.040	T-15	.063	.047	#2	.197	.149	#2	
.441	.425	.098	.079	.141	.135	.189	.183	.065	.050	T-20	.063	.047	#2	.228	.118	#2	
.441	.425	.098	.079	.141	.135	.189	.183	.065	.050	T-20	.063	.047	#2	.307	.256	#3	
.464	.440	.124	.101	.164	.156	.215	.208	.071	.055	T-25	.063	.047	#2	.315	.275	#3	
.583	.551	.134	.118	.192	.185	.246	.239	.080	.064	T-27	.095	.078	#3	.374	.334	#3	
				Nominal Screw Size		Nominal Screw Length											
						Thru 1 in. Over 1" to 2" incl.									Over 2 in.		
Tolerance on Length #5 thru					u #10	+0,03"			+0,047							+0,06	
						Thru 3/4"			Over 3/4" to 1.5" incl.						Over 1.5"		
	Max .401 .446 .441 .441 .464 .583	B Overall Head Diameter Max Min .401 .385 .446 .426 .441 .425 .441 .425 .464 .440 .583 .551	B Total Head Diameter Heim Max Min Max .401 .385 .099 .446 .426 .098 .441 .425 .098 .441 .425 .098 .444 .440 .124 .583 .551 .134	B H Overall Head Diameter Total Head Height Max Min Max Min .401 .385 .099 .070 .446 .426 .098 .082 .441 .425 .098 .079 .441 .425 .098 .079 .464 .440 .124 .101 .583 .551 .134 .118	B H D Overall Head Diameter Total Head Height Min Diameter Max Min Max Min Max .401 .385 .099 .070 .104 .446 .426 .098 .082 .122 .441 .425 .098 .079 .141 .464 .440 .124 .101 .164 .583 .551 .134 .118 .192 Nom Screw	B H D1 Overall Head Diameter Total Head Height Minor Diameter Max Min Max Min Max Min .401 .385 .099 .070 .104 .098 .446 .426 .098 .082 .122 .116 .441 .425 .098 .079 .141 .135 .464 .440 .124 .101 .164 .156 .583 .551 .134 .118 .192 .185 Nominal Screw Size	B H D1 D Overall Head Diameter Total Head Height Minor Diameter Max Min Max Min Max Min Max Min Max Min Max Min Max Min M	B H D1 D2 Overall Head Diameter Total Head Height Minor Diameter Major Diameter Max Min Max Min Max Min Max Min .401 .385 .099 .070 .104 .098 .139 .131 .446 .426 .098 .082 .122 .116 .166 .160 .441 .425 .098 .079 .141 .135 .189 .183 .444 .440 .124 .101 .164 .156 .215 .208 .583 .551 .134 .118 .192 .185 .246 .239 Nominal Screw Size Thru 1 in #5 thru #10 +0,03°	B H D1 D2 Overall Head Diameter Minor Diameter Major Diameter Six-Rec Penet Max Min May Min May Min May Six-Rec Penet .401 .385 .099 .070 .104 .098 .139 .131 .446 .426 .098 .082 .122 .116 .166 .160 .052 .441 .425 .098 .079 .141 .135 .189 .183 .065 .444 .440 .124 .101 .164 .156 .215 .208 .071 .583 .551 .134 .118 .192 .185 .246 .239 .080 Nominal Screw Size Thru 1 in. #5 thru #10 +0,03°	B H D1 D2 Q Overall Head Diameter Total Head Height Minor Diameter Major Diameter Six-Lobe Recess Penetration Max Min May Min May Min May Penetration .401 .385 .099 .070 .104 .098 .139 .131 .045 .446 .426 .098 .082 .122 .116 .166 .160 .052 .040 .441 .425 .098 .079 .141 .135 .189 .183 .065 .050 .444 .440 .124 .101 .164 .156 .215 .208 .071 .055 .583 .551 .134 .118 .192 .185 .246 .239 .080 .064 Nominal Screw Size	B H D1 D2 Q Overall Head Diameter Total Head Height Minor Diameter Major Diameter Six-Lobe Recess Penetration Six-Lobe Recess Penetration Max Min May Min Major Diameter Six-Lobe Recess Penetration Not Six-Lobe Recess Penetration Six-Lobe Recess Penetration Not Fize Not 141 .045 .139 .131 .045 .710 .045 .7-10 .045 .7-10 .052 .040 .7-15 .044 .041 .425 .098 .079 .141 .135 .189 .183 .065 .050	B H D1 D2 Q Six-Lobe Recess Penetration Major Diameter Major Penetration Major Penetration Max Min Major Penetration Six-Lobe Penetration Major Penetration Major Penetration Major Penetration Major Penetration Major Penetration Six-Lobe Penetration Six-Lobe Penetration Six-Lobe Penetration Major Penetration Major Penetration Major Penetration Major Penetration <	B	B	B	Nominal Screw Length Start Star	

NOTE: There is no single standard for Modified Truss self-drilling screws. These values are offered as a guide; deviations from these specifications may occur.

+0, -.03"

#12 and 1/4"

Description	A steel fastener with an extra wide head, twinfast thread and self drilling point. The head is an integrally formed round washer with a low rounded top that is approximately 75% the diameter of the washer. The recess may be six-lobed or square.						
Applications/ Advantages	Common usage is to attach wire or metal lathe to metal studs of a thickness between 12 - 20 gauge. The head design offers low clearance and an extra large bearing surface.						
Material	AISI 1016 - 1022 or equivalent steel.						
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating to 625°F minimum.						
Surface Hardness	Rockwell C 52 - 58						
Case Depth	#6 diameter: .002007 #8 thru #12 diameters: .004009 1/4" diameter: .005011						
Core Hardness (after tempering)	Rockwell C 32 - 40						
Plating	Screws are commonly available in zinc or black phosphate coatings. See Appendix-A for details.						