



**MODIFIED TRUSS HEAD PHILLIPS SELF DRILLING SCREWS**

Nominal Size & Number of Threads per inch	B		H		D1		D2		Point Size	S		Phillips Driver Size
	Overall Head Diameter		Total Head Height		Minor Diameter		Major Diameter			Point Length		
	Max	Min	Max	Min	Max	Min	Max	Min		Max	Min	
6-20	.401	.385	.099	.070	.104	.098	.139	.131	#2	.158	.117	2
8-18	.446	.426	.098	.082	.122	.116	.165	.161	#2	.197	.149	2
10-16	.441	.425	.098	.079	.141	.135	.189	.183	#2	.228	.118	2
10-16	.441	.425	.098	.079	.141	.135	.189	.183	#3	.307	.256	2
12-14	.464	.440	.124	.092	.164	.156	.215	.208	#3	.315	.275	3
1/4-14	.484	.459	.144	.121	.192	.184	.246	.239	#3	.374	.334	3
Tolerance on Length					Nominal Screw Size		Nominal Screw Length					
							Thru 1 in.		Over 1" to 2" incl.		Over 2 in.	
					#5 thru #10		+0, -.03"		+0, -.047		+0, -.06	
					#12 thru 1/4"		+0, -.03"		Over 3/4" to 1.5" incl.		Over 1.5"	

**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.

<b>Description</b>	A 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.	
<b>Applications/ Advantages</b>	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. The recommended drive speed for installation is 2500 rpm.	The 18-8 stainless variety offers superior resistance to corrosion.
<b>Material</b>	AISI 1016 - 1022 or equivalent steel.	18-8 stainless steel
<b>Heat Treatment</b>	Screws shall be quenched in liquid and then tempered by reheating to 625°F minimum.	
<b>Surface Hardness</b>	Rockwell C 50 - 56	
<b>Case Depth</b>	#8 & #10 diameters: .004 - .009	
<b>Core Hardness (after tempering)</b>	Rockwell C 32 - 40	Rockwell B90 - C25 (approx.)
<b>Plating</b>	Screws are commonly available in zinc or black phosphate coatings. See Appendix-A for details.	Stainless screws are usually supplied plain or with a black oxide finish.