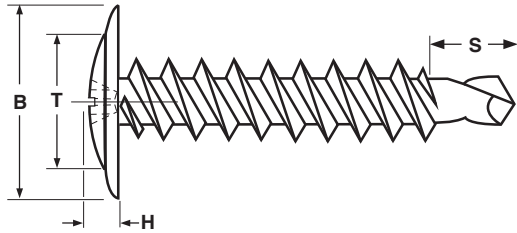


Modified Truss with
Phillips Recess

SELF-DRILLING



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	
4-24	.261	.242	.079	.066	.086	.081	.114	.109	#2	.112	.082	1
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	.101	.164	.156	.215	.208	#2	.250	.205	3
12-14	.464	.440	.124	.101	.164	.156	.215	.208	#3	.315	.275	3
1/4-14	.484	.459	.144	.121	.220	.214	.246	.239	#3	.374	.334	3
	.583	.551	.134	.118	.192	.185	.246	.239	#3	.374	.332	

Tolerance on Length	Nominal Screw Size	Nominal Screw Length		
		Thru 1 in.	Over 1" to 2" incl.	Over 2 in.
	#4 thru #10	+0, -.03"	+0, -.047	+0, -.06
	#12 thru 1/4	Up to 3/4", incl.	3/4 to 1 1/2", incl.	Over 1 1/2"
	#12 thru 1/4	+0, -.03"	+0, -.05"	+0, -.06"

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.

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.
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. The recommended drive speed for installation is 2500 rpm.
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 50 - 56
Case Depth	#4 thru #6 diameter: .002 - .007 #8 thru #12 diameters: .004 - .009 1/4" diameter: .005 - .011
Core Hardness (after tempering)	Rockwell C 32 - 40
Plating	Screws are commonly available in zinc or black phosphate coatings. See Appendix-A for details.