

TRUSS HEAD PHILLIPS SELF-DRILLING SCREWS

Nominal Size & Number of Threads per inch	Overall Head Diameter		Truss Section Head Height		Truss Section Head Diameter		Size Edge Thickness		Minor Diameter		Major Diameter		Point Size	Phillips Driver Point Length		
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min		Max	Min	
8-18	.446	.426	.098	.082	.321	.301	.055	.043	.122	.116	.165	.161	#2	.197	.049	2
Tolerance on Length									± .03"							

Description	A steel fastener with an extra wide head, tridfast 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 gauges. 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 525°F minimum.
Surface Hardness	Ftacknell C 50 - 56
Case Depth	#8 diameter .004 - .009
Core Hardness (after tempering)	Pockvirell C 32 - 40
Plating	Screws are commonly available in zinc or black phosphate coatings. See Appendix-A for details