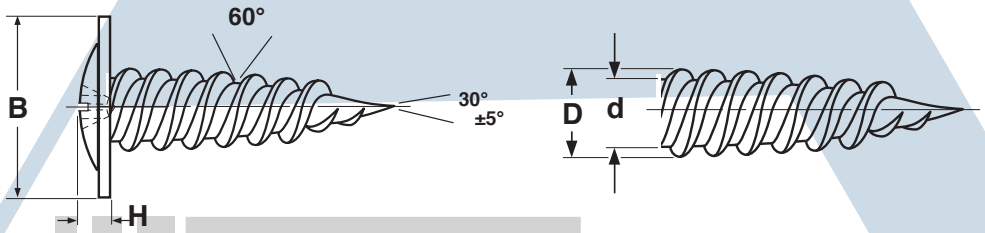
Phillips Modified Truss

SELF-PIERCING



Modified Truss Head Phillips Self Piercing Screws

Nominal Size & Number of Threads per inch	B		H		D		d		Minimum Torque (Kg/cm)	Phillips Driver Size
	Overall Head Diameter		Total Head Height		Major Diameter		Minor Diameter			
	Max	Min	Max	Min	Max	Min	Max	Min		
6-18	.401	.385	.099	.070	.141	.136	.102	.096	27.7	2
8-15	.446	.426	.098	.082	.168	.162	.123	.116	45	2
10-12	.441	.425	.098	.079	.194	.188	.133	.126	55.3	2
Tolerance on Length			± 0.05							

Description	A steel fastener with an extra wide head, a single lead thread rolled to the tip of an extra sharp point, and a second thread spaced 180° apart. The head is an integrally formed round washer with a low rounded top that is approximately 75% the diameter of the washer.
Applications/ Advantages	May be used in thin metal (less than .050 thick). Eliminates need for pre-drilled or pre-punched holes. The head design offers low clearance and an extra large bearing surface.
Material	AISI 1018 - 1022 or equivalent steel.
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating.
Surface Hardness	Rockwell C 45 Min.
Core Hardness	Rockwell C 28 - 38
Plating	Screws are commonly available in zinc or black phosphate coatings. See Appendix-A for details.