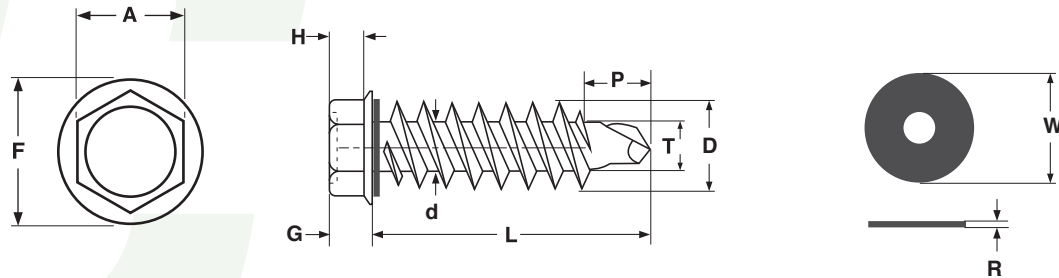


SELF- TAPPING SCREWS

Unslotted Hex Flange with
Rubber Washers—#1 Stitch Point

SELF-DRILLING



HEX FLANGE UNSLOTTED SELF-DRILLING SCREWS

Nom Size & Thrds per Inch	A		H		F		G		R		W	P		T		D		d	
	Width Across Flats		Head Height (without Flange)		Flange Diameter		Total Head Height (with Flange)		Rubber Washer Thickness		Rubber Washer Diam	Length of Drill Point		Point Diameter		Major Diameter		Minor Diameter	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Ref	Max	Min	Max	Min	Max	Min	Max	Min
1/4-14	.312	.305	.155	.142	.582	.550	.253	.219	.126	.086	.441	.228	.188	.240	.238	.246	.239	.192	.185
Tolerance on Length		Up to 3/4": +0 / -0.03						Over 3/4" to 1.5": +0 / -0.05				Over 1.5": +0 / -0.06							

Description	An unslotted hex head tapping screw with a conical flange and free spinning, captive rubber washer. The underside of the flange is undercut, creating a space for the rubber washer to be seated. Screw has spaced threads and a shorter drill point which drills its own hole.
Applications/ Advantages	Designed to fasten overlapping longitudinal edges of steel deck (also known as "side-lap") When these edges are adjacent to each other, joining the sections adds strength to the entire structure. The rubber washer creates a leak-proof seal..
Material	Screw: AISI 1022 or equivalent steel; Rubber washer: Style 40 EPDM sheet
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating to 625°F minimum.
Case Hardness	Screw: Vickers HV 545-655 Rubber Washer: Shore A 65 - 75 (Durometer scale)
Case Depth of Screw	<i>1/4" diameter and larger:</i> .005 - .011
Core Hardness of Screw	Rockwell C32 - 40 (after tempering)
Plating	Screws typically have a Silver Ruspert finish with a 1,000-hour salt-spray rating for resisting red rust.