



## SIZES

**Woodgrip 9–15 HWH  
Sharp Point**  
Assembled with Control Seal  
Metal to wood

Size	Woodgrip
1"	V0161-CCF

Drilling capacity: 24 ga (.024)  
Self-drills through the metal panel  
and taps into wood substrate.  
Min penetration in wood substrates  
should be no less than 1"

## FASTENER PROPERTIES

1/4" Hex Washer Head  
Thread Major Dia: .181 – .175  
Thread Minor Dia: .133 – .127

## PERFORMANCE SPECIFICATIONS

**Strength (lbs ult.):**  
Tensile: 1500  
Torsional: 60 in-lbs min.  
Shear: 933

## PULLOUT LOADS

	Pull-out (lbs ult.) Wood: Spruce, Pine, Fir	Pull-over
<b>#9 Woodgrip Control Seal Washer</b>		
1-1/2" Penetration	748	29 ga (110 ksi): 577
1" Penetration	542	26 ga (70 ksi): 637
		24 ga (70 ksi): 800