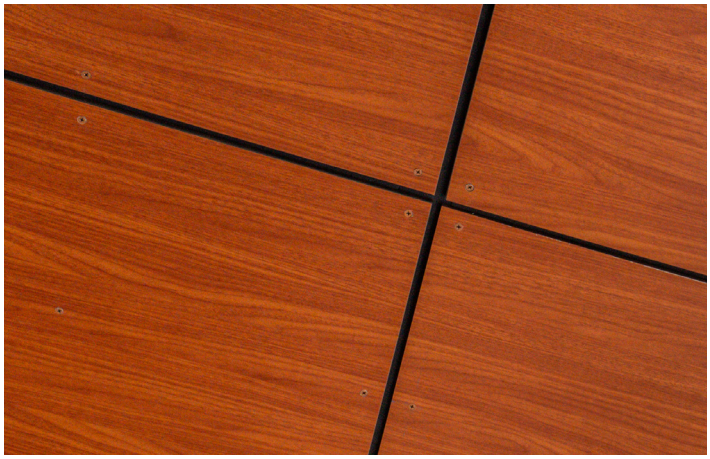
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Ver: 02 (08.2026)

#12 Flathead Phillips Self-Tapping Screw





Features and Benefits

- 410 stainless steel provides strength and corrosion resistance.
- Magni-coating exceeds 480 hours in salt spray testing. (Superior to standard zinc plating; suitable for exterior facade use)
- Countersunk flat head with optional color-matched paint ensures a flush, finished look.
- Self-drilling tip speeds installation into aluminum or light-gauge steel.
- Tested to ensure hydrogen embrittlement resistance and metallurgical quality.

Application

- Phenolic panel to light-gauge steel

Product	Fastener Length		Thread Length	Load Bearing Length		Order Unit
	(in)	(mm)		(in)	(mm)	
SDFH-1225-410SS-MAG	1"	25	Full	0.50"	12.7	Sold in bulks of 100
SDFH-1238-410SS-MAG	1.5"	38	Full	0.75"	19.0	Sold in bulks of 100
				*depending on substrate		

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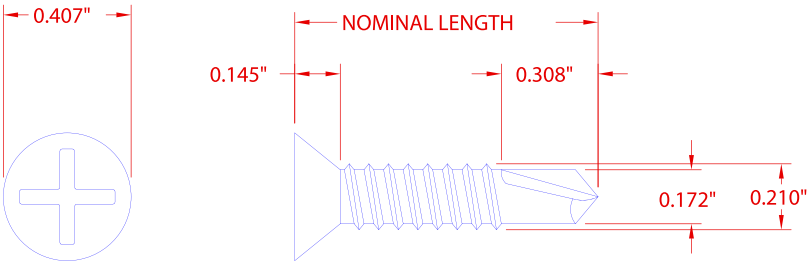
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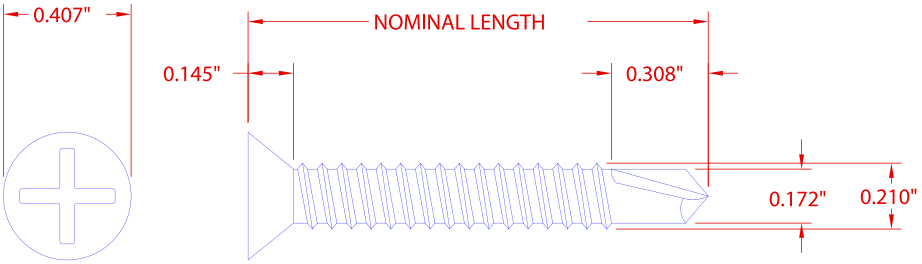
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#12 Flathead Phillips Self-Tapping Screw

1" (25mm) Fastener Length



1.5" (38mm) Fastener Length



Product Specifications

Diameter:	#12 (≈10.3 mm)
Threads Per Inch:	25
Head Style:	Flat Head
Drive:	PH2
Material:	410SS
Drill Point:	SD3
Drill Capacity:	0.157" (4.0 mm)
Thread Major Dia:	0.210" (5.3mm)
Thread Minor Dia:	0.172" (4.4mm)
Subframing: *(recommended)*	16ga Galvanized Steel; G90

(Magnetic, heat-treatable, with moderate corrosion resistance—ideal for facade applications requiring strength and durability.)

Performance Data

Tensile	2,425 lbf / 10,787 N
Shear	1,774 lbf / 7,891 N
Torsional	70 lb·in (7.91 N·m)

Pull Out Strength

.080" (2.0 mm) 6061-T6:	865 lbf / 3848 N
1/8" (3.2 mm) 6063-T-5:	1191 lbf / 5298 N
.060" (1.52mm) G90 Galvanized Steel:	~950 lbf / 4226 N*

Installation and Application Considerations

Install fasteners with 0-2000 RPM screw driver equipped with depth sensing nose piece.
Use of Phillips #2 drive bit is required.

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