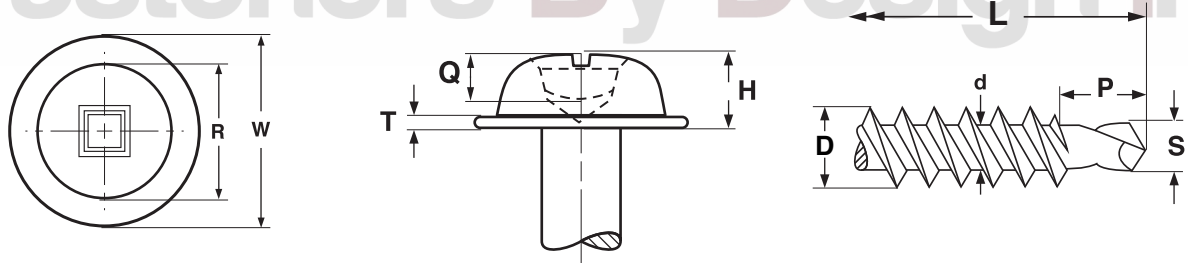


SELF- TAPPING SCREWS

SELF-DRILLING Round Washer, Square Recess

Fasteners By Design Inc.



ROUND WASHER SELF DRILLING SCREWS, SPACED THREAD																	
Nominal Size & Threads per Inch	W		R	T	H		Q		D		d		P		S		Driver Recess
	Head Washer Diameter		Top Diameter	Washer Thickness	Head Height		Recess Penetration		Major Diameter		Minor Diameter		Point Length		Point Diameter		
	Max	Min	Ref	Ref	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	
8-18	.380	.357	.259	.040	.114	.101	.079	.062	.166	.160	.122	.115	.228	.176	.138	.131	2
10-16	.439	.415	.299	.050	.130	.117	.081	.064	.189	.182	.141	.134	.303	.151	.158	.151	2

Tolerance on Length	Nominal Screw Length		
	Less than 3/4"	3/4" to 1.5"	Over 1.5"
		+0, -0.03	+0, -0.05

Description	A steel fastener with an extra wide head, square socket recess, spaced thread and self drilling point. The head is an integrally formed round washer with a dome-shaped top that is approximately 70% the diameter of the washer.
Applications/ Advantages	Common usage is to attach plywood, soft wood or metal to metal. The wider head design offers greater protection to the mating surface while supplying excellent torque transmission that resists cam-out.
Material	AISI 1016 - 1022 or equivalent steel.
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating to 625°F minimum.
Surface Hardness	Rockwell C 52 - 58
Case Depth	#8 & #10 diameters: .004 - .009
Core Hardness (after tempering)	Rockwell C 32 - 40
Plating	Screws are commonly available in zinc or black phosphate coatings. See Appendix-A for details.

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