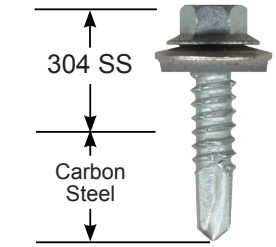
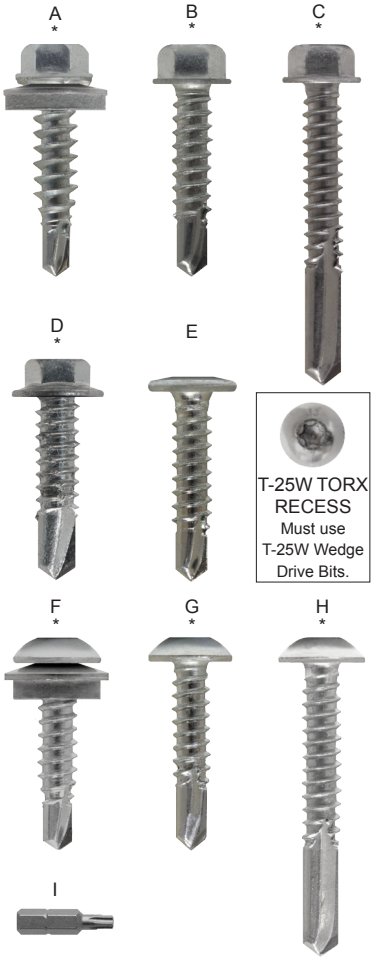
BI-METAL DRILL SCREWS

304 STAINLESS STEEL



The largest selection of 304 stainless steel bi-metal self-drilling screws in-stock!

The head and threads are made of 304 stainless steel that provides exceptional corrosion protection and superior ductility. The drill point is made of hardened carbon steel that is welded to the body. This allows the fastener to drill and tap steel up to 1/2" thick!



Sizes • Specifications • Part Numbers

Head Style		Description	Drilling Thickness	[1]Load Bearing Length W/W	Part Number: No Washer	Part Number: With Washer	Box Qty.	Wgt. Per Box (Lb): N/W	Wgt. Per Box (Lb): W/W
HEX WASHER HEAD 5/16" A/F	A	#12-14 x 1" DP1	.090" max	.470"		12100HWT1S3BMBW	100		2
	B	#12-14 x 1" DP3	.059" - .236"	.350"	12100HWT3S3BM	12100HWT3S3BMBW	500	7	8
		#12-14 x 1-1/4" DP3		.550"	12125HWT3S3BM	12125HWT3S3BMBW	500	8	9
		#12-14 x 1-3/8" DP3		.750"	12137HWT3S3BM	12137HWT3S3BMBW	500	8	10
		#12-14 x 2" DP3		1.375"	12200HWT3S3BM	12200HWT3S3BMBW	500 N/W 250 W/W	9	6
	C	#12-14 x 1-1/2" DP5	.157" - .472"	.500"	12150HWT5S3BM	12150HWT5S3BMBW	500	8	10
		#12-14 x 2-1/4" DP5		1.220"	12225HWT5S3BM	12225HWT5S3BMBW	500 N/W 250 W/W	8	9
	D	1/4-14 x 1-1/2" DP2	.047" - .118"	.875"	14150HWT2S3BM	14150HWT2S3BMBW	500	9	10
		1/4-14 x 2" DP2		1.312"	14200HWT2S3BM	14200HWT2S3BMBW	250	6	7
		1/4-14 x 1" DP3	.059" - .236"	.470"	14100HWT3S3BM	14100HWT3S3BMBW	500	8	9
[2]PANCAKE HEAD T25 TORX RECESS	E	#12-14 x 1" DP2	.047" - .118"	.590" (n/w)	12100TPCULT2S3BM		500	8	
[2]BUTTON HEAD T-25 TORX RECESS	F	#12-14 x 1" DP1	.090" max	.475"		12100TBT1S3BMBW	1000		5
	G	#12-14 x 2" DP2	.059" - .118"	1.475"	12200TBT2S3BM	12200TBT2S3BMBW	500 N/W 250 W/W	8	5
		#12-14 x 1" DP3	.059" - .236"	.350"	12100TBT3S3BM	12100TBT3S3BMBW	1000 N/W 500 W/W	10	6
		#12-14 x 1-3/8" DP3		.750"	12137TBT3S3BM	12137TBT3S3BMBW	500	7	8
	H	#12-14 x 1-1/2" DP5	.157" - .472"	.510"	12150TBT5S3BM	12150TBT5S3BMBW	500	8	9
	I	T-25 TORX WEDGE BIT			Part Number: TB25W		1		

Notes

1. Add .125" to bearing length for no washer.
2. TORX Recess: Must use a T25W Torx Wedge bit. Contact TFC for proper bit.

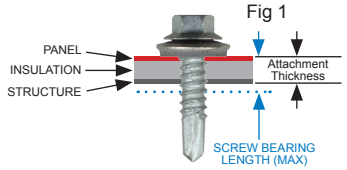
Installation Information

Use a 2,000 rpm max screw-gun with torque control or depth sensing.

Screw Length Selection

Attachment thickness should not exceed the bearing length of the screw. Refer to fig.1 for example.

Fig 1



Note: For the best installation of button head screws, use the BUTTON-DRIVE™ tool. Contact TFC for information. #9152600000

*Available with 304 stainless steel and EPDM bonded sealing washer.

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TECHNICAL INFORMATION

Contact the TFC TECH CENTER for to discuss your specific application or product requirements.

Size and Point	Shear (MIN)	Tensile (MIN TS)	STEEL THICKNESS / PULLOUT IN POUNDS (AVG. ULTIMATE)											ALUMINUM / PULLOUT IN POUNDS (AVG. ULTIMATE)							
			26 ga	24 ga	18 ga	16 ga	14ga	9 ga	6 ga	4 ga	1/8"	1/4"	1/2"	.059"	.079"	.090"	.118"	.157	.236"	.315"	.402"
#12 DP1	1978	2630	170	281	544										822		1120				
#12 DP2	1686	2585			472	757	950				1760			864							
#12 DP3	1688	2588			472	535	821				1284				529		1035	1699	1845		
#12 DP5	2045	2810						1854	2360	Ts	Ts	Ts	Ts				580			1771	1901
1/4 DP2	2879	3185			674	822	1125				1760					871					
1/4 DP3	2880	3173			674	824	1519				1922	Ts									

MATERIAL

Body: 304 Stainless Steel
Drill Tip: Carbon Steel

PLATING: Zinc and Wax

DISCLAIMER: ALL TEST RESULTS AND SPECIFICATIONS ARE A RESULT OF LABORATORY TESTS. APPROPRIATE SAFETY FACTORS SHOULD BE USED BY THE USER OR SPECIFIER. DETERMINING THE PROPER FASTENER IS THE RESPONSIBILITY OF THE USER OR SPECIFIER. SINCE APPLICATION CONDITIONS VARY AND ARE UNCONTROLLABLE BY TFC, WE ASSUME NO LIABILITY FOR THE USE OF THIS INFORMATION.