TW-S Stainless Self-Tapping

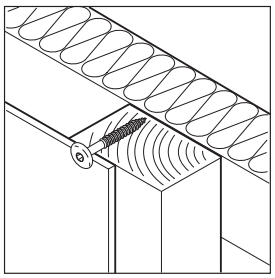
Fastening cladding to wood, aluminum and steel framework

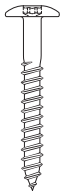
- **Aesthetic fastening system for attaching cladding panels to timber battens, aluminum and steel framework.**
- **Low profile TORX® drive head can be colored to match any cladding panel.**
- **304 Stainless Steel provides maximum resistance to corrosion.**

Application

TW-S-D12
#10-12 Self-Tapping
No washer
Cladding Panel to Wood

Material: 304 Austentic Stainless Steel





Drive:	TORX® T20W
Head Dia:	.492 - .453"
Thread Major Dia:	.194 - .188"
Thread Minor Dia:	.134 - .129"
Nom. Tensile:	1596 lbs
Min. Torsional:	60 lb-in
Nom. Shear:	1214 lbs

Pull-out Strength - SYP Dimensional Lumber

1/4"	481 lbs

Pull-out Strength - Plywood

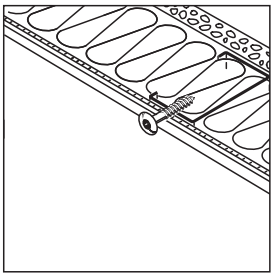
3/4":	578 lbs
5/8":	438 lbs
1/2":	348 lbs

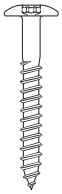
Pull-out Strength - OSB *(Oriented Strand Board)*

23/32":	449 lbs
19/32":	412 lbs
7/16":	228 lbs

TW-S-D13
#12-11 Self-Tapping
No washer
Cladding Panel to Metal

Material: 304 Austentic Stainless Steel





Drive:	TORX® T20W
Head Dia:	.531" - .493"
Thread Major Dia:	.221" - .215"
Thread Minor Dia:	.162" - .155"
Nom. Tensile:	2144 lbs
Min. Torsional:	65 lb-in
Nom. Shear:	2200 lbs

Pull-out Strength - 55 KSI Yield Sheet Steel

16 ga. (.060")	637 lbs	pre-drill: 3/16 (.187")

Notes: Dimensions are nominal unless noted. The specific job conditions should be considered and appropriate safety factors applied when specifyng the proper fasteners.

Selection

		Code				
Description		**Material No.**	**Type**	**Head**	**Diameter (mm)**	**Length (mm)**
TW-S-D12	10-12 x 1	902988	TW-S-	D12-	4,8X	25
	10-12 x 1-1/8	986742	TW-S-	D12-	4,8X	30
	10-12 x 1-1/2	625848	TW-S-	D12-	4,8X	38
	10-12 x 1-3/4	698813	TW-S-	D12-	4,8X	44
	10-12 x 2-3/8	55443	TW-S-	D12-	4,8X	60
TW-S-D13	12-11 x 1	705260	TW-S-	D13-	5,5X	25
	12-11 x 1-1/8	759330	TW-S-	D13-	5,5X	29
	12-11 x 1-1/2	705261	TW-S-	D13-	5,5X	38

Installation

Fastener length should provide for a minimum of 1" penetration into wood substrate.
Fastener length should provide for a minimum of 3/16" penetration of fully developed threads into metal substrate. Check with cladding panel manufacturer for specific installation guidelines.

Tools: Panel to metal: 0-2000 rpm screw gun with depth sensing nose piece.
Panel to wood: 0-2500 rpm screw gun with depth sensing nose piece.

Use of T20W TORX drive bit is required.

Use of impact guns or hammer drills is not recommended.

Options

Painted