

ST Clip Screw Metal to Wood



- #10 Diameter is designed to attach standing seam roof clips to plywood, OSB, or wood purlins.
- Low profile head design provides excellent pull over strength.
- Thin Wafer Head is designed for standing seam panels that utilize no clip but require a very thin head so as not to dimple the roof panel.
- Available in Ruspert® corrosion resistant coated carbon steel or 304 stainless steel

MIAMI-DADE COUNTY
APPROVED

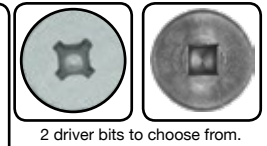
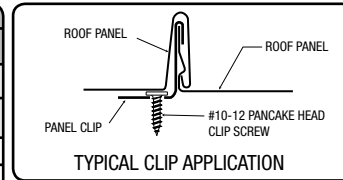
*In compliance with Dade County TAS
114 Appendix E for Ferrous Fasteners

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
10 x 1" PANCAKE TYPE 17	#2 SQUARE/PHILLIPS COMBO	3000	7.0
10 x 1-1/2" PANCAKE TYPE 17	#2 SQUARE/PHILLIPS COMBO	2500	9.0
10 x 1" PANCAKE TYPE 17	#2 SQUARE DRIVE HEAD	3000	7.0
10 x 1-1/2" PANCAKE TYPE 17	#2 SQUARE DRIVE HEAD	2500	9.0
10 x 2" PANCAKE TYPE 17	#2 SQUARE DRIVE HEAD	2000	10.2
10 x 1" WAFER SHARP POINT	#2 SQUARE/PHILLIPS COMBO	3000	5.0
10 x 1-1/2" WAFER SHARP POINT	#2 SQUARE/PHILLIPS COMBO	2500	7.0
10 x 2" WAFER SHARP POINT	#2 SQUARE/PHILLIPS COMBO	2000	9.0
10 x 1" 304 SS SHARP POINT	#2 SQUARE/PHILLIPS COMBO	3000	7.0
10 x 1-1/2" 304 SS SHARP POINT	#2 SQUARE/PHILLIPS COMBO	2500	9.0

TECHNICAL INFORMATION	DRILL POINT	MAJOR DIAMETER	MINOR DIAMETER	WASHER/HEAD DIAMETER	HEAD ACROSS FLATS	ULT. TENSILE STRENGTH	MIN. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
#10 PANCAKE TYPE 17	30° T-17	.204/.198	.128/.122	.447/.423	N/A	1981 LBS.	66 IN-LBS.	1428 LBS.
#10 WAFER	30° SHARP POINT	.204/.198	.128/.122	.447/.423	N/A	1981 LBS.	66 IN-LBS.	1428 LBS.
#10 PANCAKE 304 SS	30° SHARP POINT	.194/.188	.133/.126	.440 NOM.	N/A	1450 LBS.	48 IN-LBS.	1113 LBS.

PULL OUT STRENGTH VALUE (LBS. ULT.)	MATERIAL	SUBSTRATE														
		HRS PRIMED ONLY			3/4" PLY		5/8" PLY		1/2" PLY		7/16" OSB		2X Y.PINE		2X SPF	
		NOM. GAUGE	16	14	12	(3)	(3)	(3)	(3)	(2)	(1)	(2)	(1)			
#10 PANCAKE T-17	N/A	N/A	N/A	N/A	684	435	352	218	N/A	868	N/A	597				
#10 WAFER	N/A	N/A	N/A	N/A	684	435	352	218	N/A	868	N/A	597				
#10 PANCAKE 304 SS	N/A	N/A	N/A	N/A	544	424	335	182	N/A	779	N/A	719				

PULL OVER STRENGTH VALUE (LBS. ULT.) (EPDM ONLY)	DESIGNATION	MATERIAL						
		AZ55 GALVALUME				G90	ALUMINUM	SLOT EDGE PANEL
		NOM. GAUGE	29	26	24	22	20	21
#10 PANCAKE T-17	529	779	1128	1512	N/A	N/A	N/A	
#10 WAFER	N/A	N/A	N/A	N/A	N/A	N/A	685	
#10 PANCAKE 304 SS	529	779	1128	1512	N/A	N/A	N/A	



ST Clip Screw Metal to Metal



- A self-drilling Pancake Head is available to attach standing seam roof clips to steel framing.
- Low profile head design provides excellent pull over strength.
- Ruspert® corrosion resistant coating is standard on all Clip Screws.

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
10 x 1" SD CARBON STL.	#2 SQUARE/PHILLIPS Combo	3000	7.0
10 x 1-1/2" SD CARBON STL.	#2 SQUARE/PHILLIPS Combo	2500	9.0

TECHNICAL INFORMATION	POINT DIAMETER	MAJOR DIAMETER	MINOR DIAMETER	HEAD DIAMETER	ULT. TENSILE STRENGTH	MIN. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
#10-16 PANCAKE SD	.151/.156	.189/.183	.135/.141	.443/.423	1920	61 IN-LBS.	1633 LBS.

PULL OUT STRENGTH (LBS. ULT.)	SUBSTRATE					
	HRS PRIMED ONLY			G-90 GALVANIZED		
	16	14	12	18	20	
#10-16 PANCAKE SD	830	1006	1495	731		

PULL OVER STRENGTH VALUE (LBS. ULT.)	DESIGNATION	MATERIAL			
		AZ55 GALVALUME			
		NOM. GAUGE	29	26	24
#10-16 PANCAKE SD	529	779	1128	1512	

