STReamerScrews



- Family of screws designed to attach plywood & dimensional lumber to steel thickness up to .250"
- Small wings help bore a clearance hole to help prevent premature thread engagement in the wood. The wings break off after drilling is completed.
- Wafer head design is used for plywood applications. Flat head design is used for lumber applications.
- Applications include flooring in steel frame homes & truck body beds.

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
10-16 x 1-5/8"	#2 Square/Phillips Combo	3500	9.2/M
12-24 x 2"	#3 PFH	2000	17.5/M
12-24 x 2-1/2"	#3 PFH	2000	19.5/M
1/4-20 x 2-3/4"	#3 PFH	1500	28.6/M
1/4-20 x 3-1/4"	6 LOBE	1000	35.0/M



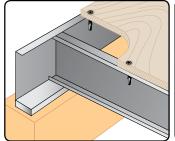


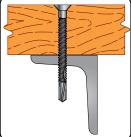


TECHNICAL INFORMATION	DRILL POINT	MAJOR Diameter	MINOR Diameter	HEAD DIAMETER	POINT DIAMETER	ULT. TENSILE Strength	MIN. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
10-16	WINGED SD	.189/.183	.141/.135	.440 NOM.	.156/.151	1920 LBS.	61 IN-LBS.	1633 LBS.
12-24	WINGED SD	.216/.209	.165 REF.	.389 NOM.	.191/.197	2800 LBS.	100 IN-LBS.	2000 LBS.
1/4-20	WINGED SD	.250/.242	.187 REF.	.507/.452	.226/.220	4270 LBS.	168 IN-LBS.	3000 LBS.

PULL OUT STRENGTH		MATERIAL									
VALUE			HRS PRIMED ONLY		A36 I	G-90 GALVANIZED					
(LBS. ULT.)	NOM. GAUGE	16	14	12	3/16"	1/4"	18				
	THICKNESS	.065	.070	.106	.187	.250	.047				
10)-16	847	916	1085	1920*		587				
12	2-24	832	947	1480	2582	2800*					
1/4	4-20	970	1165	1838	3145	4270*					

PULL OVER	MATERIAL	DESIGNATION	CDX PLYWOOD	2 x YELLOW PINE
STRENGTH VALUE (LBS. ULT.)	WASHER/ HEAD DIAMETER	THICKNESS	15/32" (NOM 1/2")	(1.5 ACTUAL)
	10-16 (NOTE 3)		596 (NOTE 1)	680
	12-24			1302
	1/4-20			1383





NOTES: 1. Wafer head flanges broke during pull over testing in nom. 1/2" plywood value tabulated 1/2" plywood for represents the ultimate strength of the fastener. Pull over strength for plywood thickness is greater than 1/2" can be considered same value as tabulated (596 lbs. ult.)

2. Technical data provided herein is to be used as a guide for typical strength characteristics only. All strength values shown are ultimate values expressed in pounds. An appropriate factor of safety must be applied by the user to obtain allowable limits for design.

3. Max. plywood thickness for use with this reamer fastener is 3/4."

4. Square/Phillips Combo Head available on #10 Diameter.

InsulDrill[™]

- #12 diameter screw has ¼' HWH. Thread design has excellent holding strength in wood.
- #1 drill point will penetrate steel thickness up to 18 gauge.
- Black e-coat corrosion resistant coating is standard on all screws.
- G-90 bonded sealing washer is assembled to the fastener.
- Applications include retrofit & metal panels through rigid insulation to wood.
- Screws are available in all standard ST Fastening Systems colors (wet-paint process).

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
12 x 3 3/4"	HWH	1000	26.5
12 x 4 1/2"	HWH	1000	30.7
12 x 5"	HWH	1000	33.4
12 x 6"	нwн	500	39.0
12 x 7"	HWH	500	43.7
12 x 8"	HWH	500	49.7

FOR PROPER INSTALLATION, THE USE OF IMPACT DRIVERS ARE NOT RECOMMENDED FOR POWDER COATED OR ANY WET PAINTED FASTENER

TECHNICAL INFORMATION	DRILL	MAJOR	MINOR	WASHER/HEAD	HEAD	ULT. TENSILE	MIN. TORSIONAL	NOM. SHEAR
	Point	Diameter	Diameter	DIAMETER	ACROSS FLATS	Strength	Strength	Strength
# 12 Diameter	SELF-DRILL	.215 NOM.	.130 NOM.	.400 NOM.	.250 NOM.	*1723 LBS.	125 IN-LBS.	1324 LBS.

PULL OUT			G	ALVANIZED STE	EL				SUBST	RATE		PENETRATION NETRATION
STRENGTH VALUE	NOM. Gauge	18	20	22	24	26	3/4 PLY	5/8 PLY	1/2 PLY	7/16 OSB	2x Y.PINE	2x Y. PINE
(LBS. ULT.)	THICKNESS	.047	.038	.031	.024	.019	(1)	(1)	(1)	(1)	(1)	(2)
# 12 Diame	eter	653	489	406	319	263	795	564	457	177	1605	976

PULL OVER			MATERIAL							
STRENGTH Value	DESIGNATION		AZ55 GA	LVALUME		G90	ALUMINUM	SLOT EDGE PANEL		
(LBS. ULT.) (EPDM ONLY)	NOM. GAUGE	29	26	24	22	20	21	29		
	THICKNESS	0.015	0.019	0.024	0.032	0.038	0.028	0.0175		
BONDED WASHER (.472" Dia) (12mm)		671	845	N/A	N/A	N/A	N/A	N/A		



