

InsulDrill™

Features and Benefits

- #12 diameter screw has 1/4" 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).



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

SIZE	CARTON QTY.	WEIGHT/M
12x3 3/4"	1000	26.5
12x4 1/2"	1000	30.7
12x5"	1000	33.4
12x6"	500	39.0
12x7"	500	43.7
12x8"	500	49.7

HEAD STYLE	1/4" HWH
POINT DIAMETER	SELF-DRILL
MAJOR DIAMETER	.215 NOM.
MINOR DIAMETER	.130 NOM.
WASHER/HEAD DIAMETER	.400 NOM.
HEAD ACROSS FLATS	.250 NOM.
NOM. TENSILE STRENGTH	*1723 LBS.
MIN. TORSIONAL STRENGTH	125 IN-LBS.
NOM. SHEAR STRENGTH	1324 LBS.

PULL OVER STRENGTH LBS. ULT.

SUBSTRATE	GAUGE	THICKNESS	VALUE
#12 Diameter GALVANIZED	18	.047	653
#12 Diameter GALVANIZED	20	.038	489
#12 Diameter GALVANIZED	22	.031	406
#12 Diameter GALVANIZED	24	.024	319
#12 Diameter GALVANIZED	26	.019	263
#12 Diameter 3/4 PLY	N/A	FULL	795
#12 Diameter 5/8 PLY	N/A	FULL	564
#12 Diameter 1/2 PLY	N/A	FULL	457
#12 Diameter 7/16 OSB	N/A	FULL	177
#12 Diameter 2x Y.PINE	N/A	FULL	1605
#12 Diameter 2x Y.PINE	N/A	1"	976

PULL OVER STRENGTH LBS. ULT.

SUBSTRATE	GAUGE	THICKNESS	VALUE
BONDED WASHER (.472" Dia) (12mm)	29	.015	671
BONDED WASHER (.472" Dia) (12mm)	26	.019	845

NOTES

1. *Tensile strength shown represents ultimate load at which the integral washer brakes from the hex washer head.
2. 26 and 29 GA. values shown were obtained using 80 KSI steel sheeting. 24, 22, 20, and 18 GA. values were obtained using 50 KSI minimum steel sheeting.

Applications

