

## SELF-DRILLING SCREWS

### HEAVY DUTY WOOD-TO-STEEL APPLICATIONS



#### PULLOUT VALUES (Ultimate-Averages) in LBS.

Screw		Steel Gauge							
Diameter	Pt.	16	14	12	1/8"	3/16"	1/4"		
#12-24	#4	-	-	1508	-	4297	-	-	-

#### Sheet Steel Gauges

Gauge No.	16	14	12					
Decimal Equivalent	.060"	.075"	.105"	.125"	.1875"	.250"	-	-

#### SHEAR VALUES (Ultimate-Averages) in LBS.

Screw		Steel Gauge—Lapped							
Diameter	Pt.	16	14	12	1/8"	3/16"	1/4"		
#12-24	#4	-	-	2048	2030	-	-	-	-

#### FASTENER VALUES

Diameter & Threads per Inch	Tensile (lbs. minimum)	Shear (avg. lbs. ultimate)	Torque (min. in./lbs.)
#12-24 #4 Pt.	3165	2200	150

All mechanical performance data on this sheet is offered only as a guide. Content is for general information only. Purchasers and specifiers must make their own evaluation of the products to determine the suitability of these products for intended use.

**Torsional Strength**

*A measure of the force at which a screw will twist off during driving or seating.*

**Pull-Out Resistance**

*The amount of force required to pull a screw out of a specified thickness of wood or steel.*

**Ultimate Load**

*A load, that during a controlled test, produced complete failure of the screw.*

**Shear Strength**

*A measure of the force that, when applied at a right angle, will break a screw.*

**Tensile Strength**

*A measure of the longitudinal pulling stress a screw can bear without tearing apart.*

All EVOLUTION FASTENERS screws are manufactured in an ISO 9002 certified and approved factory that follows the standards of Statistical Process Control (SPC) to assure proper quality management.