

FEATURES AND BENEFITS

- 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 |
| 12-24 x 2" | #3 PFH | 2000 | 17.5 |
| 12-24 x 2-1/2" | #3 PFH | 2000 | 19.5 |
| 1/4-20 x 2-3/4" | #3 PFH | 1500 | 28.6 |
| 1/4-20 x 3-1/4" | 6 LOBE | 1000 | 35.0 |

| PULL OUT STRENGTH LBS. ULT. | | | |
|--------------------------------|-------|-----------|-------|
| SUBSTRATE | GAUGE | THICKNESS | VALUE |
| 10-16 HRS Primed Only | 16 | .065 | 847 |
| 10-16 HRS Primed Only | 14 | .070 | 916 |
| 10-16 HRS Primed Only | 12 | .106 | 1085 |
| 10-16 A36 HRS | 3/16" | .187 | 2371* |
| 10-16 G-90 GALVANIZED | 18 | .047 | 587 |
| 12-24 HRS Primed Only | 16 | .065 | 832 |
| 12-24 HRS Primed Only | 14 | .070 | 947 |
| 12-24 HRS Primed Only | 12 | .106 | 1480 |
| 12-24 A36 HRS | 3/16" | .187 | 2582 |
| 12-24 A36 HRS | 1/4" | .250 | 3494* |
| 1/4-20 HRS Primed Only | 16 | .065 | 970 |
| 1/4-20 HRS Primed Only | 14 | .070 | 1165 |
| 1/4-20 HRS Primed Only | 12 | .106 | 1838 |
| 1/4-20 A36 HRS | 3/16" | .187 | 3145 |
| 1/4-20 A36 HRS | 1/4" | .250 | 5240* |

*DENOTES TENSILE FAILURE OF FASTENER

**HOT ROLLED STEEL

| PULL OVER STRENGTH LBS. ULT. | | | |
|---------------------------------|--------------|-----------------|--|
| DESIGNATION | CDX PLYWOOD | 2 X YELLOW PINE | |
| THICKNESS | (NOM 1/2") | (1.5 ACTUAL) | |
| 10-16 (NOTE 3) | 680 (NOTE 1) | 596 | |
| 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."** The value tabulated is the force at which the ZXL head breaks from the carbon steel body.
 4. Square/Phillips Combo Head available on #10 Diameter.

ST® Reamer Screw

DRILL POINT

10-16 - WINGED SD
12-24 - WINGED SD
1/4-20 - WINGED SD

MAJOR DIAMETER

10-16 - .189/.183
12-24 - .216/.209
1/4-20 - .250/.242

MINOR DIAMETER

10-16 - .141/.135
12-24 - .165 REF.
1/4-20 - .187 REF.

HEAD DIAMETER

10-16 - .440 NOM.
12-24 - .389 NOM.
1/4-20 - .507/.452.

POINT DIAMETER

10-16 - .156/.151
12-24 - .191/.197
1/4-20 - .226/.220

ULT. TENSILE STRENGTH

10-16 - 1920 LBS.
12-24 - 2800 LBS.
1/4-20 - 4270 LBS.

ULT. TENSILE STRENGTH

10-16 - 61 IN-LBS.
12-24 - 100 IN-LBS.
1/4-20 - 168 IN-LBS.

ULT. TENSILE STRENGTH

10-16 - 1633 LBS.
12-24 - 2000 LBS.
1/4-20 - 3000 LBS.



APPLICATIONS

