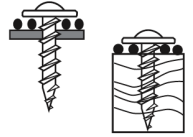




# TECHNICAL DATA

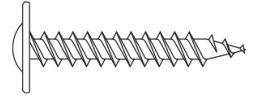
## MODIFIED TRUSS HEAD SELF- PIERCING SHEET METAL SCREW

Expanded wire to wood or 25-20 gauge steel



Meets  
ASTM C-1002  
Reduced #2 Phillips

### PRODUCT SPECIFICATIONS



| Part # | Dia. | Length    | TPI | Bulk Qty | Finish | Corrosion         | Head Dia.       | Thread      | Point       |
|--------|------|-----------|-----|----------|--------|-------------------|-----------------|-------------|-------------|
| MT100  | 8    | 1 in.     | 15  | 5M       | Zinc   | 24 hr. min. B-117 | 10.8mm ~ 11.4mm | Double lead | Sharp Point |
| MT114  | 8    | 1-1/4 in. | 15  | 5M       | Zinc   | 24 hr. min. B-117 | 10.8mm ~ 11.4mm | Double lead | Sharp Point |
| MT158  | 8    | 1-5/8 in. | 15  | 5M       | Zinc   | 24 hr. min. B-117 | 10.8mm ~ 11.4mm | Double lead | Sharp Point |
| MT178  | 8    | 1-7/8 in. | 15  | 4M       | Zinc   | 24 hr. min. B-117 | 10.8mm ~ 11.4mm | Double lead | Sharp Point |
| MT200  | 8    | 2 in.     | 15  | 2.5M     | Zinc   | 24 hr. min. B-117 | 10.8mm ~ 11.4mm | Double lead | Sharp Point |
| MT212  | 8    | 2-1/2 in. | 15  | 2M       | Zinc   | 24 hr. min. B-117 | 10.8mm ~ 11.4mm | Double lead | Sharp Point |
| MT300  | 8    | 3 in.     | 15  | 1.5M     | Zinc   | 24 hr. min. B-117 | 10.8mm ~ 11.4mm | Double lead | Sharp Point |
| MT812  | 8    | 1/2 in.   | 15  | 10M      | Zinc   | 24 hr. min. B-117 | 10.8mm ~ 11.4mm | Double lead | Sharp Point |
| MT834  | 8    | 3/4 in.   | 15  | 8M       | Zinc   | 24 hr. min. B-117 | 10.8mm ~ 11.4mm | Double lead | Sharp Point |

### Pro-Twist sheet metal screws meet or exceed ASTM C-1002 and/or ASTM C-1513

Self Piercing Screws Ultimate Value Chart

| Dia. | Metal Gauge/1lb | Tension (Pull) Lbs. 1 Pc. | Shear Lbs. Metal to Metal | Minimum Torsional Strength (Lb) |
|------|-----------------|---------------------------|---------------------------|---------------------------------|
| 8    | 25              | 149                       | 337                       | 39                              |
|      | 22              | 196                       | 591                       |                                 |
|      | 20              | 574                       | 829                       |                                 |

Self Piercing Screws Ultimate Value Chart

| Dia. | Wood               | Withdrawal Value (Pull out) |
|------|--------------------|-----------------------------|
| 8    | redwood            | 206                         |
|      | 3/4" partial board | 266                         |
|      | 2 x 4 fir          | 398                         |

### Ultimate Value Charts

Steel – Screws driven into steel were driven with three exposed threads on the off side of the connection, then pulled out with testing machine.

Wood – Screws driven 3/4" into the wood material, then pulled out the testing machine.

Note that all results were obtained in strict adherence to ASTM test protocol. These ultimate figures are offered only as a guide and are not guaranteed in any way by PrimeSource Building Products. A 4:1 safety ratio is recommended.

### Installation Guidelines

0-2500rpm Screwgun with torque adjustment – Overdriving may result in fastener failure or stripout of the work surface

The fastener is fully seated when the head's bearing surface is flush with the steel.

The fastener must penetrate beyond the metal a minimum of three threads to comply with the code

NOT Recommended for use with treated wood.

**ALL PRIMESOURCE® FASTENERS ARE MANUFACTURED IN AN ISO 9001 CERTIFIED AND APPROVED FACTORY TO PRIMESOURCE® PERFORMANCE SPECIFICATIONS AND PRINT DRAWINGS.**