

# TRUE SHEAR™

Steel Cutting, Reframed.

TrueShear™



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CONSTRUCTION PRODUCTS



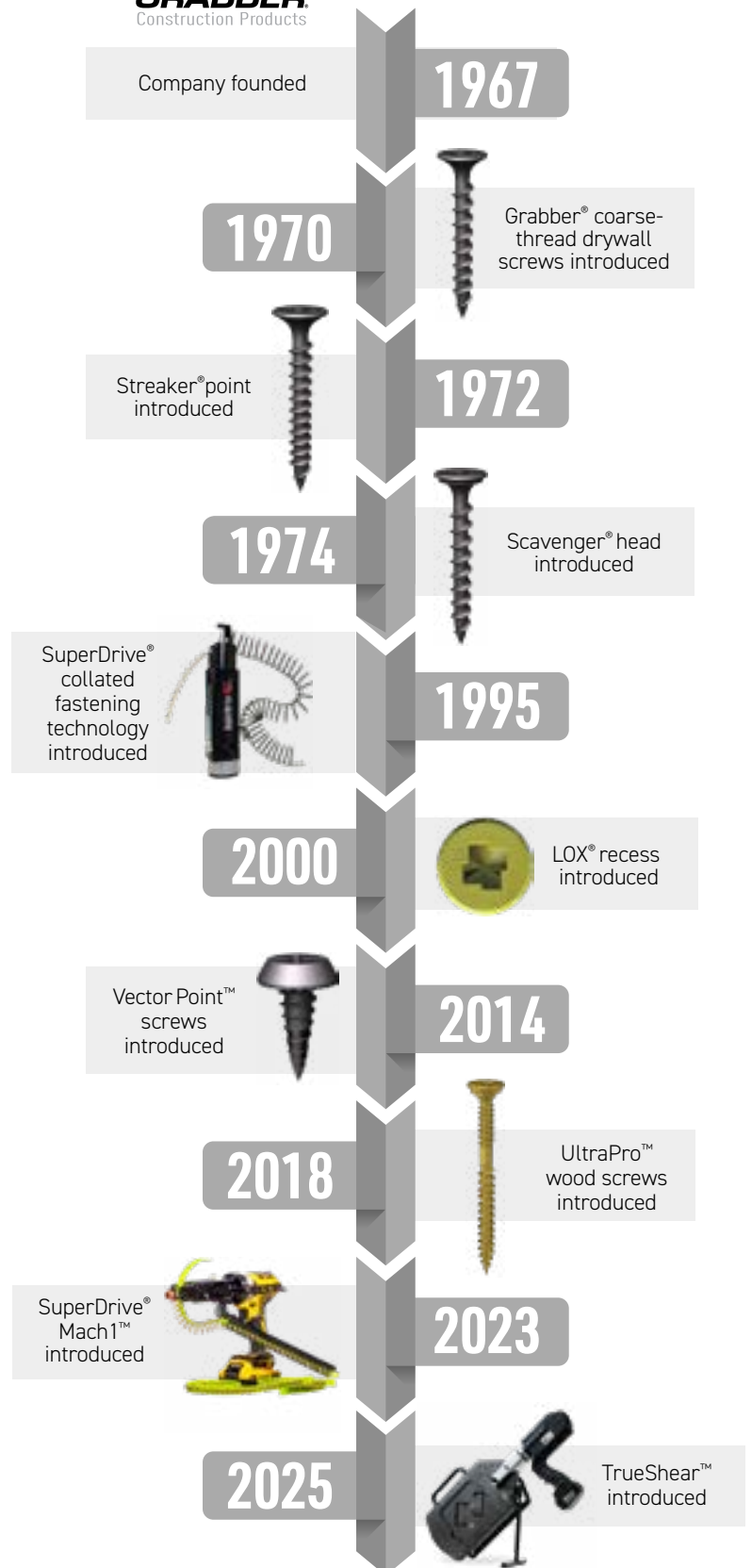


# Over Five Decades of Intentional Innovation

In 1967, Grabber Construction Products, Inc. began when John "Brad" Wagner set out to create what is now known as the Grabber screw. One innovative product at a time, Grabber has expanded exponentially to offer over 16,000 products, including thousands of professional-grade fasteners, drywall fabrication products, tools and other jobsite solutions.

Today, Grabber remains centered on its original guiding principle: innovating and delivering high-quality, professional-grade solutions that improve jobsite efficiency and precision.

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## TrueShear™ Introduction

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# TRUE SHEAR™

The Newest Innovation  
From Grabber



### BOOSTED PRODUCTIVITY

- No labor underutilized on hot work and no permits needed for hot work
- Eliminates deburring cut edges for a simple workflow
- Easy to use



### IMPROVED SAFETY

- Eliminates sparks and flying debris
- Quieter operation, no risk to hearing
- Protects hands and fingers



### UNCOMPROMISING PRECISION

- Every cut straight and exact
- Efficient, quick and smooth operation
- Durable components for up to 100,000 precision cuts

| TrueShear Steel Cutting                    | VS. | Outdated Steel Cutting                                   |
|--------------------------------------------|-----|----------------------------------------------------------|
| Quieter, less strenuous and more efficient |     | More noise, stress, strain and mess                      |
| Cleaner, safer, more confident cutting     |     | Flying debris, fire hazards, may require special permits |
| Fast, precise and productive               |     | Inefficient and inconsistent                             |

## TrueShear™ Overview

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### Using TrueShear

The TrueShear is a portable, battery-powered shearing press that cuts 16-gauge (54 mils) to 20-gauge (33 mils) steel framing members without any sparks or high-decibel noise. 12 tons of shearing force leave a cool, burr-free and precise factory edge, every time.

| Item                                                  | Item No. |
|-------------------------------------------------------|----------|
| Power Unit (Includes two 5AH batteries and 1 charger) | G3501    |
| 3 5/8 in. TrueShear™ Attachment                       | GTS3616  |
| 6 in. TrueShear™ Attachment                           | GTS616   |

#### TrueShear Setup Instructions

1. **Ensure the battery is fully charged.**
2. **Install the stand** onto the TrueShear attachment using the pin provided. (fig A.)
3. **Set the assembly on a stable, level surface.**
4. **Remove the pin from the Power Unit.**
5. **Press the red button on the Power Unit** to confirm the piston is fully retracted.
6. **Attach the Power Unit to the TrueShear attachment** by aligning the guides and pushing the units together firmly. (fig B.)
7. **Insert the locking pin fully through both parts** to secure the Power Unit to the attachment. (fig C.)
8. **Verify the locking pin is fully seated and secure.**
9. **Attach the battery to the Power Unit.**

**Note:** refer to page 10 for safety guidelines.



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# Using TrueShear

### Measurement Instructions

The distance from the visible cut mark to the actual cut surface is **1 inch**. To ensure an accurate cut, **add or subtract 1 inch from your target measurement**, and align that adjusted measurement with the **inside edge of the TrueShear attachment**.



Example:

If you need to cut a 10 ft. stud down to **9 ft. 6 in.**, mark the stud at **9 ft. 5 in.** This 1-inch adjustment accounts for the offset between the cut mark and the shearing die. Align the **9 ft. 5 in. mark** with the **inside edge** of the TrueShear attachment before cutting.



## TrueShear™ Allowable Materials for Use

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### Allowable Materials for Use

#### 3 5/8 in. TrueShear Attachment — Item No. GTS3616

| Product       | Allowable Size/Dimensions                                   | Notes                                             |
|---------------|-------------------------------------------------------------|---------------------------------------------------|
| Track         | 3 5/8 in. x 1 in. – 3 in. leg<br>(16 – 20 gauge structural) |                                                   |
| Slotted Track | 3 5/8 in. x 1 in. – 3 in. leg<br>(16 – 20 gauge structural) |                                                   |
| C-Stud        | 3 5/8 in. x 1 5/8 in. flange<br>(16 – 20 gauge structural)  | 16 gauge material must be cut one piece at a time |
| Flat Strap    | 1 in. – 3 5/8 wide (16 – 20 gauge)                          | 16 gauge material must be cut one piece at a time |
| Angle         | Up to 3 in. x 3 in. (16 – 20 gauge)                         | 16 gauge material must be cut one piece at a time |

#### 6 in. TrueShear Attachment — Item No. GTS616

| Product       | Allowable Size/Dimensions                            | Notes                                         |
|---------------|------------------------------------------------------|-----------------------------------------------|
| Track         | 6 in. x 1 in. – 3 in. leg (16 – 20 gauge structural) | All materials must be cut one piece at a time |
| Slotted Track | 6 in. x 1 in. – 3 in. leg (16 – 20 gauge structural) | All materials must be cut one piece at a time |
| C-Stud        | 6 in. x 1 5/8 in. flange (16 – 20 gauge structural)  | All materials must be cut one piece at a time |
| Flat Strap    | 1 in. – 6 wide (16 – 20 gauge)                       | All materials must be cut one piece at a time |
| Angle         | Up to 3 in. x 3 in. (16 – 20 gauge)                  | All materials must be cut one piece at a time |

**Note:** Using materials or gauges not specified in this guide, especially thinner or thicker than recommended, may damage the tool and voids any warranty. Always follow the listed guidelines.

# TrueShear™ Allowable Materials for Use

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## Materials Permitted for Cutting Using TrueShear

| Category   | Member     | Style | Web (in.) | Flange/Leg (in.) | Thickness (mils.) | Thickness (in.) |
|------------|------------|-------|-----------|------------------|-------------------|-----------------|
| Stud       | 362S162-33 | S     | 3.62      | 1.62             | 33                | 0.033           |
| Stud       | 362S162-43 | S     | 3.62      | 1.62             | 43                | 0.043           |
| Stud       | 362S162-54 | S     | 3.62      | 1.62             | 54                | 0.054           |
| Stud       | 600S162-33 | S     | 6         | 1.62             | 33                | 0.033           |
| Stud       | 600S162-43 | S     | 6         | 1.62             | 43                | 0.043           |
| Stud       | 600S162-54 | S     | 6         | 1.62             | 54                | 0.054           |
| Track      | 362T125-33 | T     | 3.62      | 1.62             | 33                | 0.033           |
| Track      | 362T125-43 | T     | 3.62      | 1.62             | 43                | 0.043           |
| Track      | 362T125-54 | T     | 3.62      | 1.62             | 54                | 0.054           |
| Track      | 600T125-33 | T     | 6         | 1.62             | 33                | 0.033           |
| Track      | 600T125-43 | T     | 6         | 1.62             | 43                | 0.043           |
| Track      | 600T125-54 | T     | 6         | 1.62             | 54                | 0.054           |
| Angle      | 200A200-54 | A     | 2         | 1.62             | 54                | 0.054           |
| Angle      | 200A200-54 | A     | 2         | 1.62             | 54                | 0.054           |
| Angle      | 200A300-33 | A     | 3         | 1.62             | 33                | 0.033           |
| Angle      | 200A300-43 | A     | 3         | 1.62             | 43                | 0.043           |
| Angle      | 200A300-43 | A     | 3         | 1.62             | 43                | 0.043           |
| Angle      | 200A300-43 | A     | 3         | 1.62             | 43                | 0.043           |
| Angle      | 200A300-54 | A     | 3         | 1.62             | 54                | 0.054           |
| Angle      | 362A362-33 | A     | 3.62      | 1.62             | 33                | 0.033           |
| Angle      | 362A362-33 | A     | 3.62      | 1.62             | 33                | 0.033           |
| Flat Strap | 200F125-54 | F     | 2         | 1.62             | 54                | 0.054           |
| Flat Strap | 200F125-54 | F     | 2         | 1.62             | 54                | 0.054           |
| Flat Strap | 362F162-43 | F     | 3.62      | 1.62             | 43                | 0.043           |
| Flat Strap | 362F162-43 | F     | 3.62      | 1.62             | 43                | 0.043           |
| Flat Strap | 600F125-54 | F     | 6         | 1.62             | 54                | 0.054           |
| Flat Strap | 600F162-43 | F     | 6         | 1.62             | 43                | 0.043           |

**Note:** Material classifications and properties are based on current standards established by the Steel Framing Industry Association (SFIA). The SFIA serves as a key resource for cold-formed steel framing, offering specifications and technical guidance for both structural and non-structural applications. Standards referenced include ASTM A1003 - Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members, and AISI S220 - North American Standard for Cold-Formed Steel Nonstructural Framing. These define material composition, coatings, mechanical properties, and dimensional tolerances essential to proper tool compatibility and performance.

## TrueShear™ Operation



### Unpacking and Inspection

- Carefully remove the tool from its packaging and inspect for any visible damage.
- Verify that all components are present and undamaged.

**Maintenance:** Regular maintenance ensures optimal performance and extends the tool's lifespan.

**Cleaning:** After each use, disconnect the power source and clean the tool with a dry cloth. Remove metal shavings and debris from vents and moving parts.

**Cutting Die Care:** Inspect the cutting dies regularly for wear or damage. Replace dull or damaged dies immediately to maintain cutting efficiency and safety. Do not use to cut materials that are not authorized.

**Inspection:** Periodically check for loose screws, damaged parts or misalignment. Tighten or replace components as necessary.

**Storage:** Store the tool in a clean, dry place away from moisture and corrosive materials. Remove the battery before storage.

### Troubleshooting

| Issue                                                     | Possible cause                                                                        | Solution                                                                                                                                |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Tool does not start                                       | Power source not connected or battery depleted                                        | Check power connection or charge/replace battery                                                                                        |
| Tool does not cut efficiently                             | Dull shearing dies or inappropriate material being cut                                | Verify allowable materials for use. Discontinue use and contact Grabber for service.                                                    |
| Excessive vibration during operation                      | Loose components or damaged die                                                       | Discontinue use and contact Grabber for service.                                                                                        |
| Unusual noise or overheating                              | Internal component wear or damage                                                     | Discontinue use and contact Grabber for service.                                                                                        |
| Steel member cannot be inserted into the tool attachment. | Material is the incorrect size, type or deformed. Cutting die is not fully retracted. | Inspect for any deformation before insertion. Press the red trigger to fully retract the cutting die before inserting the steel member. |

**Note:** For questions about operating the TrueShear™, please contact your local GrabberPro. To find your representative, visit: [grabberpro.com/FindYourGrabberPro](http://grabberpro.com/FindYourGrabberPro)

## TrueShear™ Operation

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## Safety

Adhering to safety guidelines minimizes the risk of injury and ensures safe operation.

### Personal Protective Equipment (PPE):

- Always wear safety glasses with side shields to protect against flying debris.
- Use hearing protection to safeguard against noise-induced hearing loss.
- Wear gloves to protect hands from sharp edges and hot surfaces.

### Operational Safety:

- Ensure the work area is well-lit and free of obstructions.
- Secure the material firmly before cutting to prevent movement.
- Keep hands away from the cutting area and die during operation.
- Do not operate the tool in explosive atmospheres or near flammable materials.

### Tool Handling:

- Do not force the tool; use it at the rate for which it was designed.
- Disconnect the power source before making adjustments, changing accessories or storing the tool.
- Avoid accidental starting; ensure the trigger is not activated before connecting to the power source.

### Maintenance Safety:

- Use only manufacturer-recommended replacement parts and accessories.
- Have the tool serviced by Grabber-approved, qualified personnel using identical replacement parts to ensure safety is maintained.

By following this manual, users can ensure safe and efficient operation of the cutting tool. Regular maintenance and adherence to safety protocols will contribute to the tool's longevity and performance.

# Notes

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GrabberPro.com

Grabber TrueShear  
PG1010 USA-Rev. 07-25

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**SAFETY FIRST:** Wear appropriate personal protective equipment. Read applicable SDS and literature before handling and installation.

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