



Gas



Liquid &amp; Slurry



Solid &amp; Powder



Steam &amp; Water

# SENTRY SAF-T-VISE INSERTION TOOLS

## Insertion Tools

### CORROSION MONITORING

Sentry® Saf-T-Vise® insertion tools are used to place and retrieve corrosion coupon holders, injection & sample quills, or chemical injection nozzles & atomizers into high-pressure applications without interruption of the system. With their sturdy but light construction—competitor tools can weigh five times more—these tools are operated easily by only one person and are designed to make insertion and retraction under pressure safe, easy and quick.

### MODELS

STV-T1 | STV-T4 | STV-T5

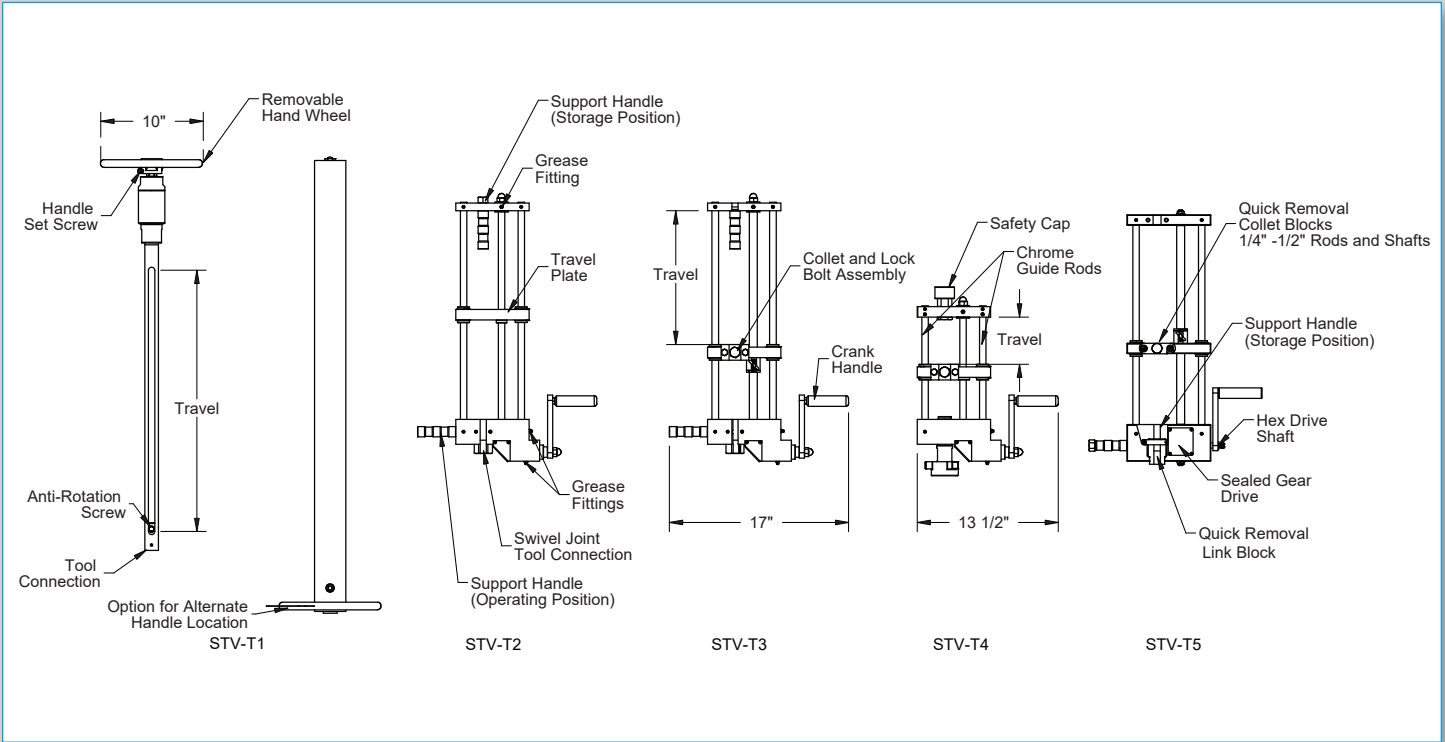
### BENEFITS

A Saf-T-Vise insertion tool is used to place a multi-purpose tool holder into a pressurized system. The insertion tool is used only during insertion or retraction and can be removed once that operation has been completed. This allows just one insertion & retraction tool to be used to service multiple installations, saving money. The operator is able to work from a stable and secure position to the side of the tool, which can be operated from any position.

### FEATURES

- Constructed of lightweight, high strength materials to provide heavy-duty capabilities
  - Fully rebuildable
  - Non-telescoping design
  - Mechanical retraction for bent or jammed rods
  - Can be mounted in any position and offers ambidextrous operation
  - Reusable and portable—one tool services multiple installations
  - STV-T1: (for rod design only) Integral travel and an improved gear ratio provide faster insertion and removal
  - STV-T4: Designed with grease fitting for smooth operation and long life
- STV-T5:
- Snap-in collet sets for use with multiple sizes of tubes and rods
  - Open-in-place collet sets and removable link block allow easy connection to and removal from Saf-T-Vise holders
  - Sealed gears and bearings eliminate pinch points and reduce maintenance
  - Link block
  - Optional rod support guide supports long rods/shafts during insertion and retraction for rod/shaft lengths up to 20 feet
  - Quick release swivel handle with hex drill chuck post





SPECIFICATIONS						
model	operation	pressure rating (MOP)	shaft diameter	tool connection	travel length	weight
STV-T1	handwheel	5000 psi at 100°F (345 bar at 37.8°C)	1/4 in, 3/8 in	3/4 in NPT	24 to 36 in (61 to 91 cm)	9.5 to 11 lb (4.3 to 5 kg)
STV-T4	side crank	10,000 psi at 100°F (689 bar at 37.8°C)	1/4 in	1-7/8 - 8 UNC Hammer Union	8 in (20 cm)	15.5 lb (7 kg)
STV-T5	side crank	≤ 30 in travel: 5000 psi at 100°F (345 bar at 37.8°C) > 30 in travel: 3000 psi at 100°F (206 bar at 37.8°F)	1/4 in, 3/8 in, 1/2 in	3/4 in NPT	14 to 42 in (36 to 107 cm)	16.6 to 24.3 lb (7.5 to 11 kg)

[sentry-equip.com](http://sentry-equip.com)

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