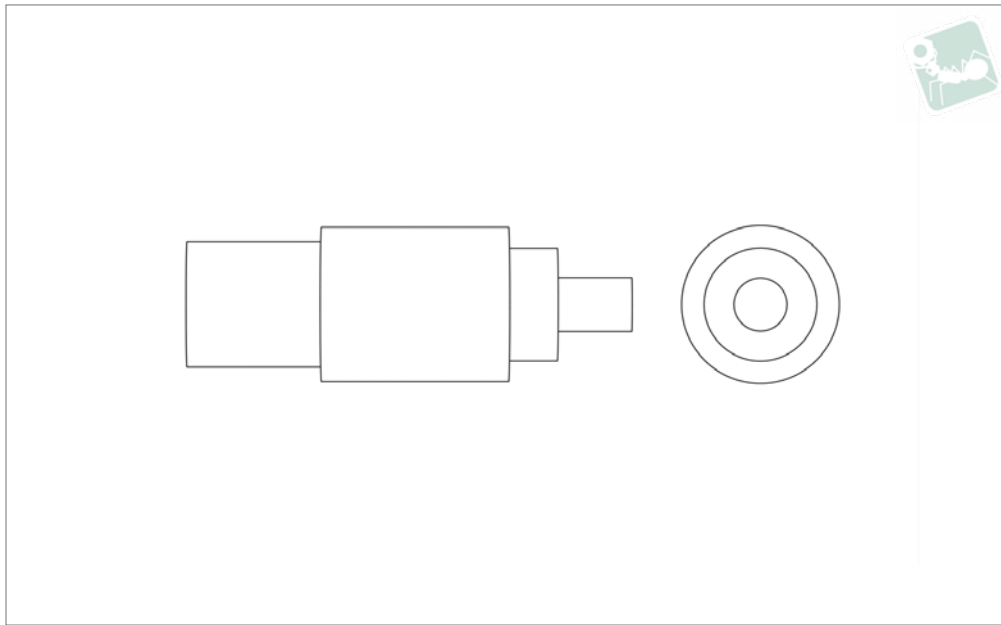




# Installation Tool - Inch - Heavy Duty

for threaded inserts TR1565 & TR1575

Installation  
Tools



**TR1745**

INSTALLATION TOOLS

**Material**

Steel, blackened.

**inserts TR1565 and TR1575.**

Select installation tool of corresponding insert internal thread  $d_1$  and external thread  $d_2$ . If in doubt refer to data tables of

insert where correct „Inst. tool ref.“ is stated.

**Tips**

For use with inch heavy duty threaded

Order No.	For insert of internal thread = $d_1$	For insert of external thread = $d_2$
TR1745.0000	8-32	5/16"-18
TR1745.0010	10-24/ 10-32	3/8"-16
TR1745.0020	1/4"-20/ 1/4"-28	7/16"-14
TR1745.0030	5/16"-18/ 5/16"-24	1/2"-13
TR1745.0040	3/8"-16/ 3/8"-24	9/16"-12
TR1745.0050	7/16"-14/ 7/16"-20	5/8"-11
TR1745.0060	1/2"-13/ 1/2"-20	3/4"-16
TR1745.0070	9/16"-12/ 9/16"-18	3/4"-16
TR1745.0080	5/8"-11/ 5/8"-18	7/8"-14
TR1745.0090	3/4"-10/ 3/4"-16	1-1/8"-12
TR1745.0100	7/8"-9/ 7/8"-14	1-1/4"-12
TR1745.0110	1"-8/ 1"-12/ 1"-14	1-3/8"-12
TR1745.0130	1-1/8"-7/ 1-1/8"-12	1-1/2"-12
TR1745.0140	1-1/4"-7/ 1-1/4"-12	1-5/8"-12
TR1745.0160	1-1/2"-6/ 1-1/2"-12	1-7/8"-12



Threaded inserts are used to quickly repair stripped, damaged or worn out threads with new stronger threads, or are used in original equipment to guarantee stronger thread connections.

Wixroyd inserts are easy to install and remove, without the need for special drills, taps or pre-winder tools. The 'locking keys' on threaded inserts are easily driven down into the thread of the surrounding base material – locking the insert securely in place.



Carbon steel inserts



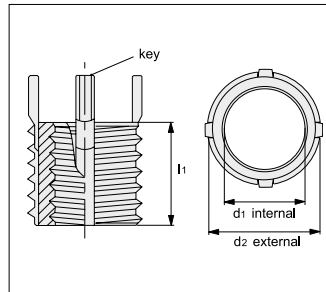
Stainless steel inserts



Solid inserts

## Key Features

- Solid, one-piece construction providing high pull-out strengths.
- Locking "keys" provide a positive mechanical lock against rotation of the insert.
- Easy installation and removal.
- Installation with standard drills and taps.
- No pre-winder tools required.
- No tangs to break off and account for in the assembly.
- For use in a wide variety of materials.
- Both metric and imperial sizes available in coarse and fine pitches.



## Installation and Removal

### Installation

- 1 Select desired threaded insert, and from the product data table identify the installation drill and tap sizes (note the drill is slightly oversized deliberately). Drill with standard tap drill as per product data table, and countersink with standard 82-100° countersink.
- 2 Tap new threads with standard tap – as specified in product data table.
- 3 Screw in the insert until it is 0.25 to 0.75mm (0.010 to 0.030 inch) below the surface.
- 4 Drive locking keys down with several hammer taps on the installation tool – see product data table for correct tool.
- 5 Insert is installed.



### Removal

Wixroyd threaded inserts, can be removed (if required) without damage to the surrounding material.

- 1 Refer to product data tables to identify the drill size and drill depth required for removal. Drill out the material between the insert keys and the internal thread to specified depth.
- 2 Bend the locking keys inward and break off.
- 3 Remove the old insert using a screw extractor.
- 4 Install a replacement insert into the original tapped hole.



# Threaded Inserts

overview

## 22000 - 22064

Fixing Elements



**22000 - Thinwall - Metric**  
Use installation tool  
no. 22060.



**22002 - Heavy Duty - Metric**  
Use installation tool  
no. 22062.



**22012 - Heavy Duty - Metric - Inch**  
Use installation tool  
no. 22064.



**22020, 22022, 22024 - Inch - Thinwall - Heavy Duty - Extra Heavy Duty**  
Use installation tool  
no. 22054-58.

### Stainless Steel



**22004 - Thinwall - Metric**  
Use installation tool  
no. 22060.



**22006 - Heavy Duty - Metric**  
Use installation tool  
no. 22062.



**22010 - Heavy Duty - Metric - Inch**  
Use installation tool  
no. 22064.



**22030 - 22034 - Inch - Thinwall - Heavy Duty - Extra Heavy Duty**  
Use installation tool  
no. 22054, 20058.

### Carbon Steel



**22040 - Metric - Carbon**  
Use installation tool  
no. 22052.



**22042 - Metric - Stainless Steel**  
Use installation tool  
no. 22052.



**22044 - Inch - Carbon**  
Use installation tool  
no. 22050.



**22046 - Inch - Stainless Steel**  
Use installation tool  
no. 22050.

### Solid



**22050 for 22044 & 22046**



**22052 for 22040 & 22042**



**22054, 22058 for 22020, 22024, 22030, 22034,**



**22060 for 22000 & 22004**

### Installation Tools



**22062 for 22002 & 22006**



**22064 for 22010 & 22012**

INSTALLATION TOOLS

ov-W22000-AP0084.1-W22064-A-TTR1760-threaded-inserts-overview-rnh- Updated - 26-10-2022