

# TAURUS versions

## TAURUS with counter device

The tool is equipped with a sensor which detects the evacuation of the spent mandrel after the setting process is complete. The sensor is installed just in front of the mandrel container and connected either to a local control and display unit GRivCount or to a centralized monitoring system via the line amplifier GRivAmp.



**GRiv-Count**



**GRiv-Amp**



**TAURUS 1-4** (with counter device)

## TAURUS tools for stationary use in production systems

The TAURUS tools can be integrated as stationary units in automatic production systems, and operated by remote control if required.

The presence of the blind rivet in the nosepiece can optionally be detected with the aid of a low-pressure connection. The spent mandrel can be disposed of by means of an evacuation tube if required, and also monitored by a sensor. In such stationary production systems, several tools can be operated automatically and simultaneously, enabling a high level of efficiency.

## TAURUS with setting process monitoring

The setting process monitoring is achieved by a direct on-line analysis of traction force and traction course recorded during the setting of the rivet. All system components necessary for operation are included in the tool itself. The setting analysis takes less than 1 microsecond and its result is directly displayed by a green or red LED installed in the tool base and, optionally, by a warning tone. Moreover, a collective analysis of the complete work piece is also included. The tool stores more than 260.000 individual setting processes, which can be recalled at any time. The system also identifies failure patterns and memorizes those for failure analysis and troubleshooting. The tools can be operated as stand-alone or as part of integrated production systems using the GESIPA® interface.



**TAURUS 1-4** (with setting process monitoring)



**GESIPA®-Interface**

# TAURUS versions

## C-frame for TAURUS 1 to 6

After replacing the blind rivet setting head with the C-frame adapter, all the tools of the **TAURUS** series are capable of setting tubular, semi-tubular and solid rivets.

Every tool of the **TAURUS** series can be equipped with a C-frame adapter for the setting of tubular, semi-tubular and solid rivets and the production or repair of semi-tubular and solid rivet joints. Further application options include clinching, hole punching and caulking.

The C-frame adapter can be changed quickly and easily for the original blind rivet head of the **TAURUS** series or for another C-frame adapter.



The C-frame adapters have a 360° swivel capability, efficient working sequence and an accurately adjustable setting stroke.

### Technical data

Drive force:	5,000 to 50,000 N
Stroke:	15 mm to 25 mm
Operating air pressure:	5-7 bar
Air hose connection:	6 mm Ø (1/4")
Weight: approx.	1.9 to 3.9 kg (without C-frame)

### Advantages

- Flexible use
- Simple and safe pneumatic force control
- Faster, simpler and reversible exchange of the original blind rivet head for a frame unit in any standard **TAURUS** series tool
- Pneumatic extraction of the punched piece
- Simple tool change



Double-C-frame in use

The design, order and delivery of the **TAURUS**-C-frame and the corresponding connector takes place through the GESIPA® subsidiary W+O Niettechnik GmbH. Speak to our technical sales.

**All of the above TAURUS variants are special productions, which are configured or manufactured according to the application case. For advice further questions and price information, please contact our Technical Sales team.**

## TAURUS with spring loaded trigger system



This feature ensures that the materials of the riveting application will be pressed together before the rivet is installed, thus avoiding gaps in between. Moreover the operator will be certain that the rivet has reached its end position in the application and that the setting head is in contact with the upper side of the material before the riveting process is started. The spring force can be designed variably with springs depending on the application.

**TAURUS 1** (with spring loaded trigger system)  
Part no. 756 0021

**TAURUS 2**  
(with spring loaded trigger system)  
Part no. 757 0016

**TAURUS 3** (with spring loaded trigger system)  
Part no. 758 0005

**TAURUS 4**  
(with spring loaded trigger system)  
Part no. 759 0002

# TAURUS versions

## TAURUS with PH 2000 spent mandrel container

The fixed mounted, large PH 2000 mandrel container is very sturdy and particularly suited to long mandrels from 50 to 70 mm in length. The container fits all **TAURUS versions** 1 to 4.

**TAURUS 1** (with PH 2000 mandrel container) **TAURUS 3** (with PH 2000 mandrel container)  
Part no. **756 0005** Part no. **758 0011**

**TAURUS 2** (with PH 2000 mandrel container) **TAURUS 4** (with PH 2000 mandrel container)  
Part no. **757 0018** Part no. **759 0007**

You will find the corresponding conversion kits on page 71



## Angle head 90° for TAURUS 1-4

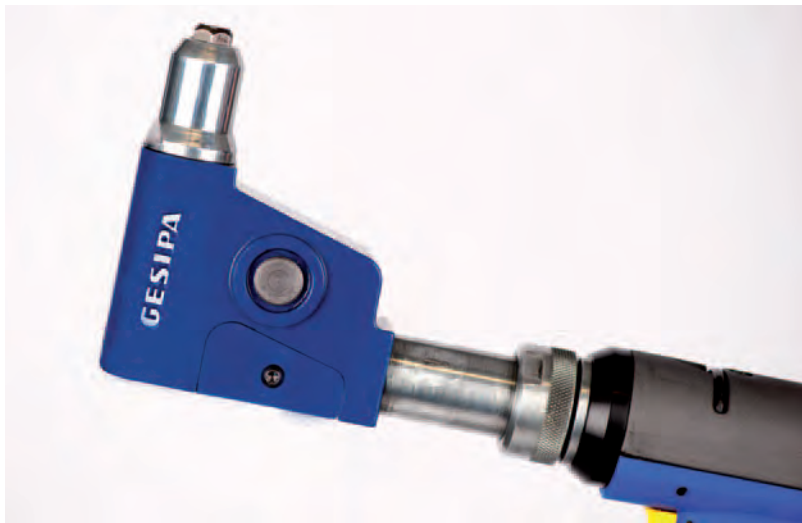
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### Description

Using the angular head 90° for the Taurus 1-4 means that, depending on the device type, standard blind rivets up to a diameter of 6.4 mm can be set in all materials. The smallest edge clearance is 15 mm, the head length is 110 mm. The angular head can be freely positioned anywhere (360°) along the Taurus tensile axis.

### Application

The angular head is designed for use in tight spaces. Its sturdy design allows it to apply large setting forces when fitting blind rivets even in difficult to access work areas.



### Advantages

- Realisation of small edge clearances (15 mm)
- High setting force with low installation area (up to 20 kN)
- Large stroke (up to 23 mm)
- Simple assembly
- Compact and robust design
- Simple jaws maintenance
- Use of standard jaws
- Low vibration, even at high breaking force level

Part no. **758 0101**

## Small jaw assembly for TAURUS 1 and 2



for **TAURUS 1**  
Part no. **756 1120**

for **TAURUS 2**  
Part no. **757 1077**

### Area of use

- Processing alu/steel blind rivets up to Ø 5mm and steel/steel up to Ø 4mm with **TAURUS 1** and **2**
- Particularly suitable for hard to access rivet points

### Technical data

Length : 100 mm  
Head Ø: 18 mm