

## 1. Description

The Retractable Locating Pin is a high-power tool designed for use in locating points in the processing of sheet metal. It consists of a pneumatic cylinder in flat design and a housing with two integrated piston rod guidings and mountings at the front and the side.

The Retractable Locating Pin is fitted with an inductive set, which allows positioning to be controlled with inductive switches.

## 2. Safety

The Retractable Locating Pin was not conceived as a full tool supplied ready for independent use and has therefore not been fitted with its own safety equipment. Only when it is correctly installed in a production system and a corresponding safety control system is added, will all safety requirements be met.

Should any faults occur that place personnel at risk, the Retractable Locating Pin is to be switched off immediately. Maintenance measures are only to be undertaken when the machine is at a complete standstill and by suitably qualified specialists.

After maintenance work has been carried out, the protection devices are to be refitted in the correct way.

## 3. Assembly of the Retractable Locating Pin

- The Retractable Locating Pin is installed by means of four head cap screws on the front side of the cylinder area or on the housing sides.

- The centering pin manufactured by the customer is secured in the piston rod receiver with a threaded pin M6X10 or a spring type straight pins.

**Caution:** The Retractable Locating Pin was not provided with means of adjustment. This must be taken into account when designing / manufacturing the consoles / braces.

### Inductive limit switch set (T12)

Set plug on socket "C" according to the electrical design of the pneumatic clamp (see circuit diagrams), and tighten.

**Caution:** Operation with incorrect or too high voltage can lead to short circuiting and danger to personnel.

Function control with integrated LED as follows:

green..... operation voltage  
 yellow..... cylinder up  
 red..... cylinder down

## 4. Replacement of limit switch cartridge

- Remove limit switch cartridge by releasing the screw "D".
- Set new limit switch cartridge and assemble.

## 5. Maintenance

The Retractable Locating Pin is fitted with a view to application in series production with low-maintenance bearings and guides. Because of the closed structure of the Retractable Locating Pin no special maintenance is necessary.

**Caution:** Damage can be caused to the Retractable Locating Pin by cleaning with steam-jet or dry ice.

