

# A faster, better, and much more cost-efficient solution of measuring problems in hydraulic systems.

Measuring connection with screwed coupling M16 x 2



Type 2

**Visit our website or give us a call for more information.**

+1.567.218.3229  
www.servclip.com

63 Dixie Highway  
Rossford, OH 43460

**Servclip®**

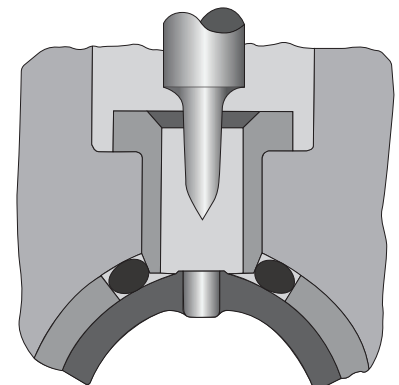
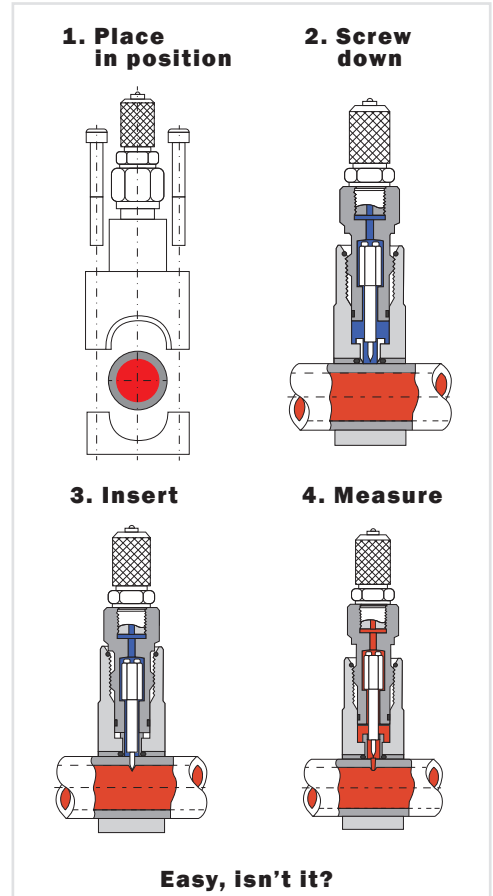
## Measurement without existing measuring connection!

Using the **Serv-Clip-1** pipe measuring connection, this can be done in only 3 minutes – quickly and cost-efficiently. Just install it onto the tube / pipe – even if the pipe is under a pressure of up to 630 bar (9,100 psi) – and carry out your measurements.

Both types are able to use this one connection for pressure measurements and particle counting. The Type 2 can utilize even more. Suitable for pipe diameters between 10 mm and 42 mm with wall thicknesses up to 5 mm. The measuring connection is an industry-standard M16 x 2 test point connection.

A needle is pressed through the wall of the pipe. It uses the principle of plastic deformation to create an opening with a diameter of approx. 2.2 mm. Since the **Serv-Clip** connection remains in the pipe system once it has been installed, it provides a permanent measuring connection.

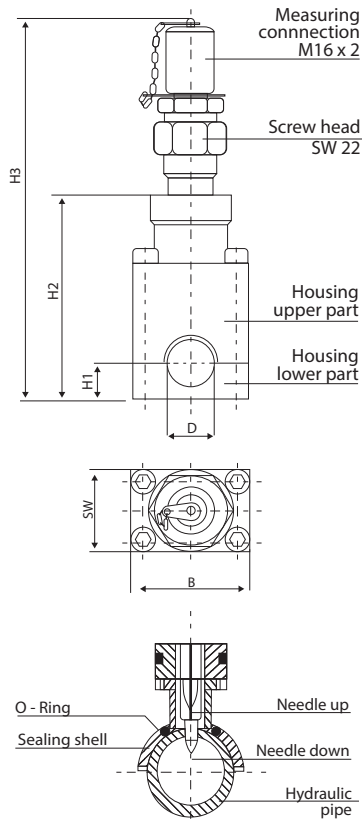
**Serv-Clip-2** uses the same principle as Type 1, but the tube / pipe must be pressureless to install. Type 2 is even more cost-efficient while still retaining all of the benefits of the Serv-Clip system. The Type 2 also supports temperature leakage and flow rate measurements in addition to the measurements used by Type 1.



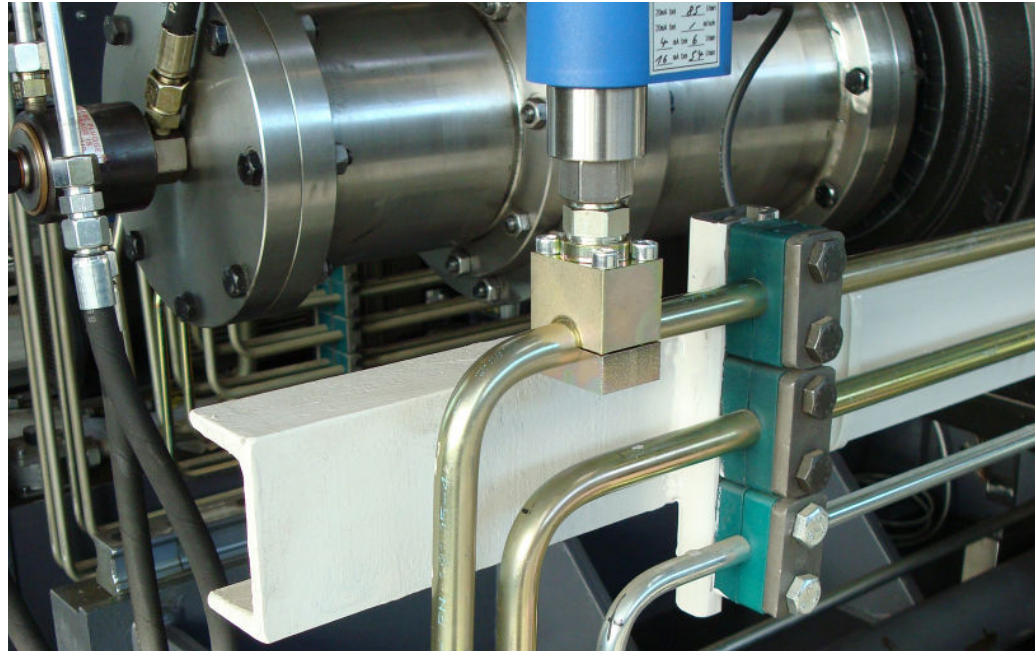
**Serv-Clip** is stocked in all pipe diameters from 10 mm to 42 mm and 3/8 inch to 1 1/2 inch.

**With Serv-Clip you will avoid trouble and save time and expenses.**

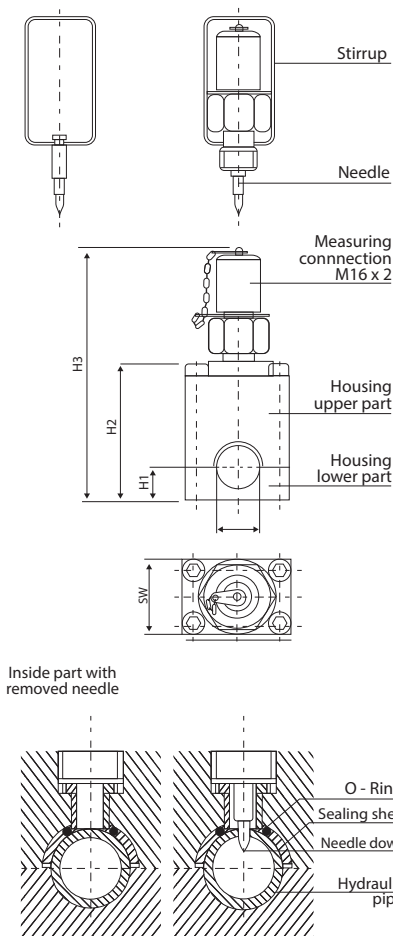
## Serv-Clip-1



- Quick, simple, and cheap installation of a measuring connection
- Pressure measurement etc. even when there is no connection
  - one connection for a variety of measuring devices
- Particle measurement according to ISO or NAS classes
- No need to cut open pipes
- Using **Serv-Clip-1** for measurements in hydraulic plants without switching off a system – will save you a considerable amount of time and costs
- For use with pipes with a working pressure up to 630 bar (9,100 psi)
- Installation time for **Serv-Clip** takes only a few minutes



## Serv-Clip-2



### Description Serv-Clip-1

for mounting to pressurized pipes

The measuring connection **Serv-Clip-1** is simply screwed onto the cleaned surface of the pressurized hydraulic pipe. It is not necessary to interrupt the operation of the system. A specially shaped steel needle is inserted through the wall of the pipe above the screw head. The screw head is then screwed back. The created hole is then open and it is possible to measure the pressure immediately.

Of course, **Serv-Clip-1** can also be mounted to pressureless pipes.

### Materials

Housing .....	9SMnPb28k
Screw head .....	9SMnPb28k
O - Ring .....	Viton
Sealing shell .....	St 37.4
Measuring needle .....	58CrV4

### Description Serv-Clip-2

for mounting to pressureless pipes

The measuring connection **Serv-Clip-2** has been developed for mounting to pressureless hydraulic tubes and pipes. Following installation, the measuring connection is capable of permanent use for a working pressure of 630 bar (9,100 psi). The **Serv-Clip-2** is supplied in a preassembled state with measuring connection and needle. Screwing in the measuring connection presses a special-shaped needle through the wall of the pipe. Afterwards, the measuring connection is screwed out and the needle removed along with the stirrup and a pressure disk. The measuring connection is screwed back into the **Serv-Clip-2**. The measuring connection is now sealed off and permanent pressure can be applied up to 630 bar (9,100 psi). Every **Serv-Clip** is supplied with an industry-standard measuring connection (test point M16 x 2).

Every connection can easily be installed in a few minutes. The system is completely leak-proof. Any pollution of the hydraulic liquid is impossible. After completing measurements, **Serv-Clip** remains in the pipe system and cannot be removed. The operational safety of the hydraulic system is maintained. The measuring connection remains permanently available for taking measurements.

**Serv-Clip**<sup>®</sup>