



SCHÄFER

Rohrverbindungen
Strömungstechnik

Hydraulics Plug In System

STH-P

Product description



STH-P, the hydraulic plug-in system by SCHÄFER

The system was developed to connect fluid-carrying tubes with each other. The male component of the plug in system is made up of a preformed tube. All components of the plug-in system are integrated in the plug-in socket (female connection component). In the delivery condition, only the protective cap of the plug-in socket has to be removed, after this it can immediately be plugged in. While plugging in initially, the retaining ring is put in the plug-in socket on the retaining ring notch at the tube and remains there permanently, even if the connection is released. The plug-in connection can be released easily with a separate removal tool (see illustration).

- The interlocking is done by simple plugging, the plug control is carried out with a counter move control
- The locking system with 2 round wire rings is a method patented by Schäfer
- The unlocking is carried out with simple movements and a small release tool, alternatively with a release ring, which is permanently affixed to the plug
- The elastomeric system sealing works, as soon as the system is connected
- The plug-in system can be connected with components via a specific profiled bore (direct porting*), therefore a screw-in adapter can be omitted in the ideal case

*Directporting: Further information to this subject you get here!



Technical Specification

Nominal Pressure
Max. 350 bar

Burst Pressure
Min. 4 x Nominal Pressure

Temperature Range
Depends to the Application

Material System Sealing
Steel

Material System Sealing
According to Medium

Range STH-P
Size 12

Range Tube Connection
NW 12

Range Hose Connection
12,0 bis 15,0 mm

More information
[STH-P in website](#)

Expansion of size range and connecting range as well as alternative materials available by request

Features



Threadless connections -plug-in systems - are becoming more and important for the layout of new hydraulic systems. The connection technology is an important cost factor for pipeline systems. A simple and effective solution such as STH-P provides a large saving potential. In addition to that, STH-P provides a unique combination of all benefits of a modern plug-in system and at the same time the guarantee of million fold use due to the proven connection technology.

Features of STH-P

- **Simple connection plug-in connector**
Applying of the connector by roller-burnishing No assembly at the plug-in connector, as all components are pre-assembled in the plug-in socket
- **Considerable reduction of assembly time**
Simple connection instead of screwing in
- **Optimized design of constructed space by minimized space requirements**
No assembly tools are necessary, disassembly with a small extraction tool
- **Saving potential by reduction of components**
New connection components allow a reduction of number of components as well as of the total weight
- **Reliable tight hydraulic system**
Leakages by under or over-tightening can be excluded by the 2 ring-interlocking technology
- **A connection technology confirmed by the market**
Millions of this connection technology are used

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Application fields



STH-P the hydraulic plug-in system by SCHÄFER

The system was developed to connect fluid-carrying tubes with each other. The necessary contours for the use of the plug-in system can be independently roller-burnished for the male component by the customer according to the specifications of Schäfer. All components of the plug-in system are integrated in the plug-in socket (female connection component). In the delivery condition, only the protective cap of the plug-in socket has to be removed, after this it can immediately be plugged in. While plugging in initially, the retaining ring is put in the plug-in socket on the retaining ring notch at the tube and remains there permanently, even if the connection is released. The plug-in connection can be released easily with a separate removal tool (see illustration).

Applications for STH-P are amongst others:

- Steering hydraulics
- Clutch hydraulics
- On/off hydraulics
- Fuel systems
- Mobile hydraulics
- Brake hydraulics
- Cooling systems
- Driver's cabin - tipping hydraulics

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For more information on all Schäfer programs please visit our website in english at:

www.jsch.de

