



Hydraulics Plug In System

STH-C Directporting

Product description



Direct porting is one of the major advantages of the plug-in system STH-C developed by Johannes Schäfer GmbH. This is a profiled bore, which can be directly inserted in a component (e.g. pump, valve, cylinder etc.). By this profiled bore and a retaining ring to be assembled, the STH-C plug can directly be connected with the respective component. While developing STH-C, we paid attention to adjust the depth of the profiled bore to the measurements of the standard threaded hole of the respective installation size. An adaption via a thread to be inserted with a corresponding thread adapter can be eliminated completely. This results in several advantages for the customer:

- Cost saving by elimination of the thread adapter
- Elimination of one sealing point by omission of the adapter
- Reduction of number of connection parts along with reduction of weight
- Significant reduction of required installation space (due to lower construction height as with adaption and no tools are necessary for the assembly)



Are you interested in the overall program STH-C?

Please contact our [sales department!](#)



Technical Specification

Nominal Pressure
350 bar*

* Operating pressure > 350 bar available with separate approval process

Burst Pressure
Min. 4 x Nominal Pressure

Temperature Range
-35 °C – +135 °C

Material Quick Connector
Steel

Material System Sealing
HNBR

Range STH-C
Größe 6 – 20

Range Hose Connection
DN 2 – DN 20

Range Tube Connection
4,0 – 22,0 mm

More information
[Direct Porting in website](#)

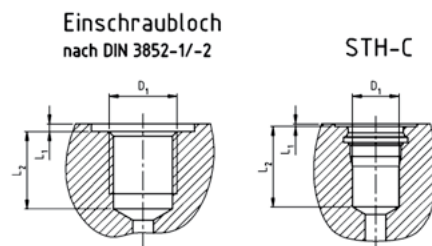
Expansion pressure range or alternative materials available by request

Product description



The insertion of a profiled bore can be carried out by the respective device manufacturer upon licensing. Hereby, we offer our customers comprehensive support regarding:

- Assistance in choosing the production tools for the profiled bore and a list of known sources of supply for these tools
- Provision of test methods, test instructions and inspection tools for the profiled bore
- Provision of installation instructions and assembly tools for the retaining ring
- Provision of protective plugs for the profiled bore



Nennweite Einschraubloch			D ₁	L ₁	L ₂
DN 6	8L	M12x1.5	M12x1.5	max. 1.5	min. 15
		G 1/4 A	G 1/4 A	max. 1.5	min. 15
		STH-C - DN 6	∅9	max. 0.5	min. 15.6
		STH - DN 6	∅9	min. 1	min. 18
DN 8-10	10/12L	M16x1.5	M16x1.5	max. 1.5	min. 15
		G 3/8 A	G 3/8 A	max. 2	min. 15
		STH-C - DN 10	∅12	max. 0.5	min. 16
DN 12	15L	M22x1.5	M22x1.5	max. 2.5	min. 17
		G 1/2 A	G 1/2 A	max. 2.5	min. 18
		STH-C - DN 12	∅15.2	max. 0.5	min. 18
DN 16	18L	M22x1.5	M22x1.5	max. 2.5	min. 19
		G 1/2 A	G 1/2 A	max. 2.5	min. 18
		STH-C - DN 16	∅18.5	max. 0.5	min. 19
		STH - DN 16	∅18.5	min. 1.5	min. 28.5

Measure comparison screw plug hole according to DIN to profiled bore STH-C

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

www.jsch.de



Technische Daten STH-C

Nominal Pressure

350 bar*

* Operating pressure > 350 bar available with separate approval process

Burst Pressure

Min. 4 x Nominal Pressure

Temperature Range

-35 °C – +135 °C

Material Quick Connector

Steel

Material System Sealing

HNBR

Range STH-C

Größe 6 – 20

Range Hose Connection

DN 2 – DN 20

Range Tube Connection

4,0 – 22,0 mm

More information

[Direct Porting in website](#)

Expansion pressure range or alternative materials available by request