

Product description VOSS quick connect system 203

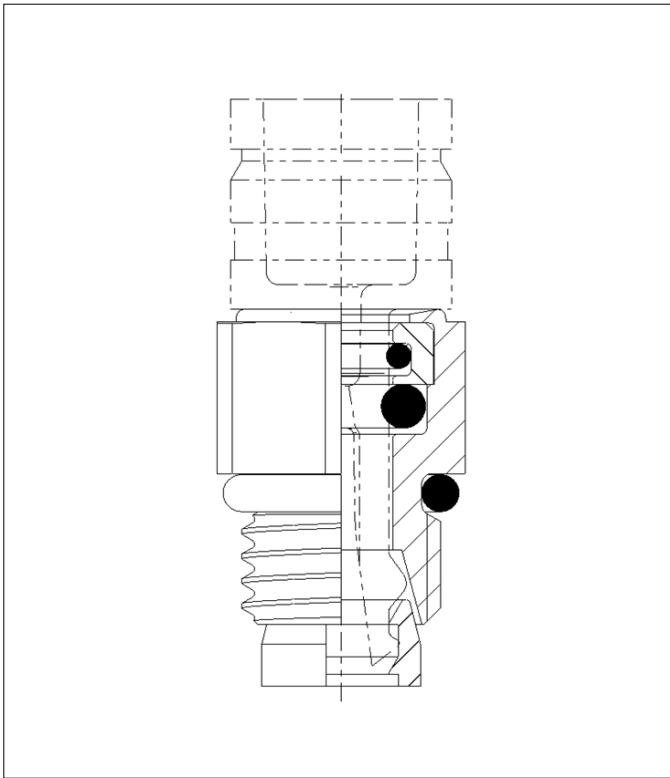


Fig. 1: Functional drawing

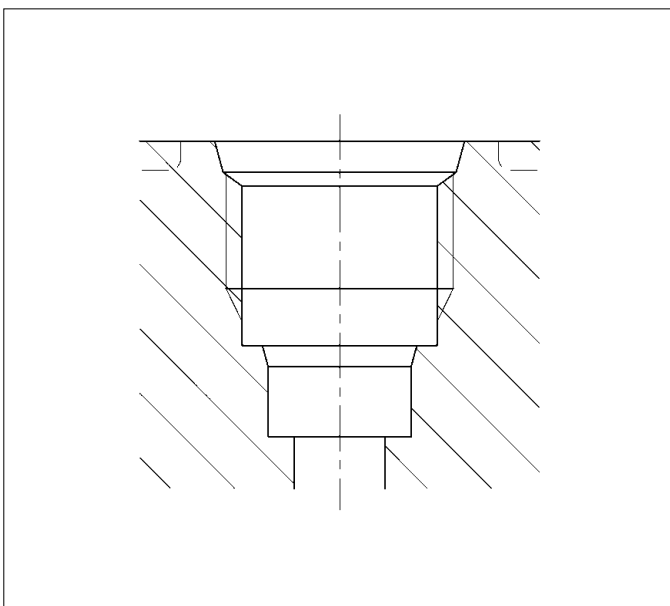


Fig. 2: Stepped bore

1. Application

The VOSS quick connect system 203 enables rapid and safe assembly of nylon tubing in air suspension, fuel and auxiliary systems.

The quick connect system 203 is available in different models (integrated assemblies fig.1, straight fitting and moldings with standard stud thread fig. 4+5) and for 4x1, 6x1 and 6x1.5 nylon tubing.

The integrated design features low overall height and is particularly suitable for direct connection to units in restricted installation environments.

A precondition for the use of the integrated model is that the tapped holes in the unit are designed as stepped bores (fig. 2)

The molded port may be of plastic or metal. Dimensional drawings can be supplied on request.

Detailed information is contained in Catalogue 203.

The system is suitable for tubing made of polyamide 11, polyamide 12 or TEEE (Hytrel) conforming to the following standards:

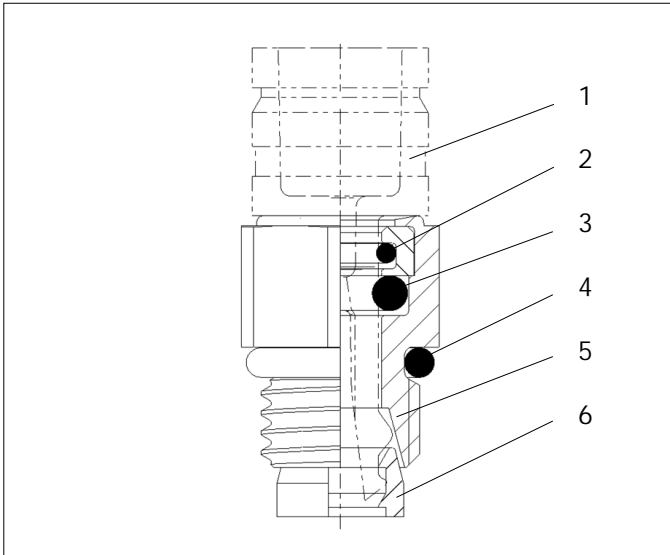
- DIN 74324
- DIN 73378
- ISO 7628
- NFR 12-632
- SAE J 844

2. Range of application

The VOSS quick connect system 203 is designed for use in the -40°C to +100°C temperature range; special design up to +125°C.

Its rated operating pressure is 13 bar, but due attention must be paid to the compressive strength of the nylon tubing used.

Possible applications for other operating conditions are available on request.



3. Single components/ Materials (fig. 3)

- 1 Assembly plug
Plastic
- 2 Dirt-protection O-ring*
- 3 Sealing O-Ring*
- 4 Thread-sealing O-ring*
- 5 Male fitting
Brass
- 6 Grip ring
Brass

* Depending on tempera-
ture and medium

Fig. 3: Single components

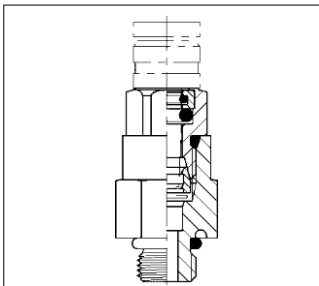


Fig. 4

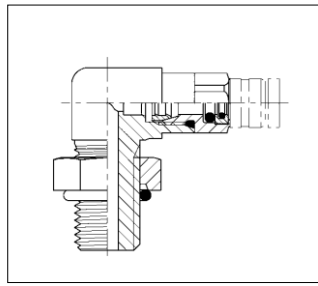


Fig. 5

4. Straight connections and moldings

Fig. 4 shows a straight
connection with the
integrated assembly
screwed into a stud with a
matching molded port.

Figs. 5-8 show moldings in
the form of studs or
manifold ports with fitted
integrated assemblies.

Straight fittings and
moldings are available
with different stud threads.

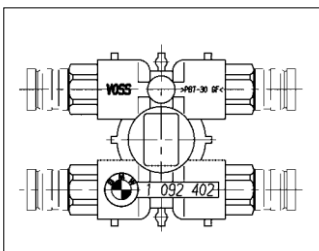


Fig. 6

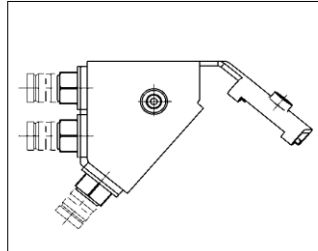


Fig. 7

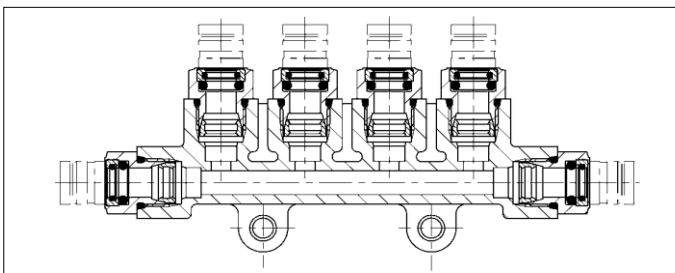


Abb. 8