

VOSS

VOSSPlug: Efficient, Safe, Economical.

The high-pressure plug-in system for fast,
tool-free assembly in compact spaces.

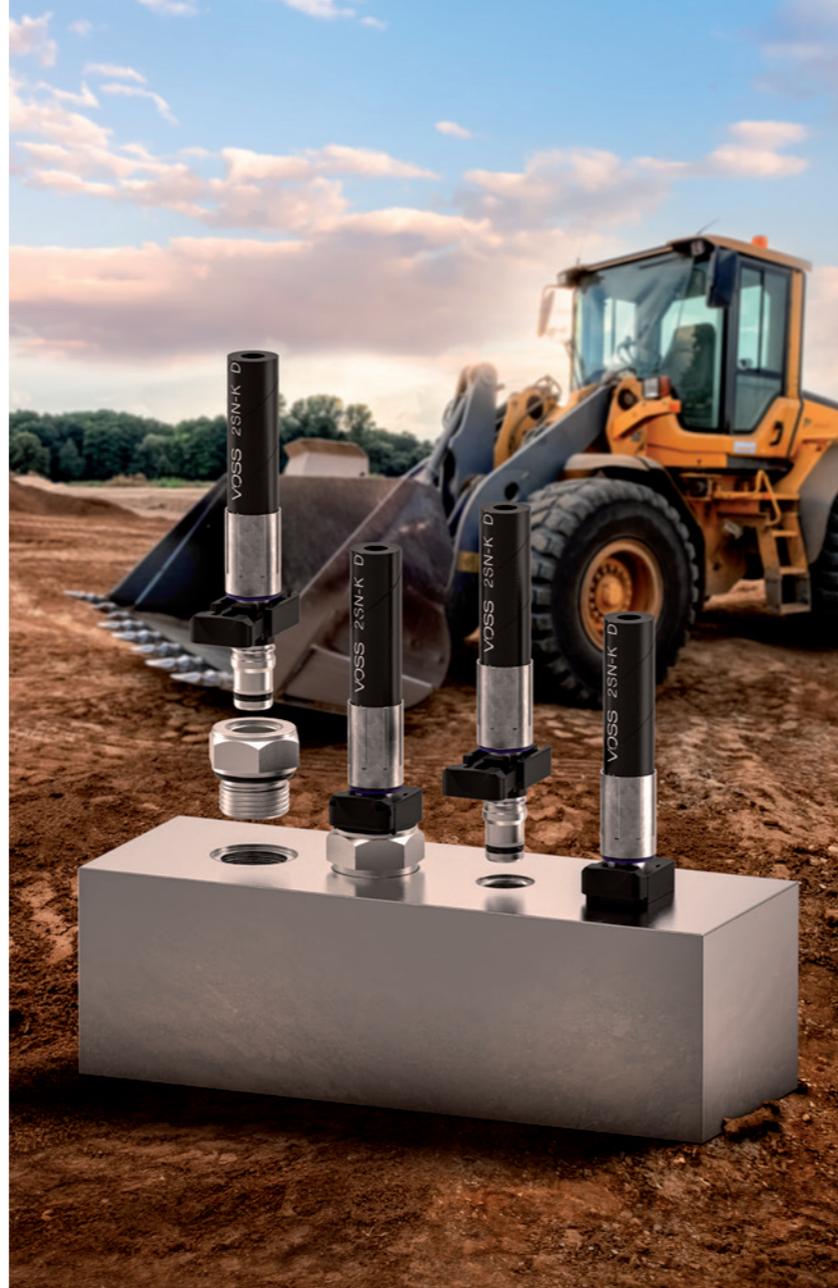


Plug-in System VOSSPlug

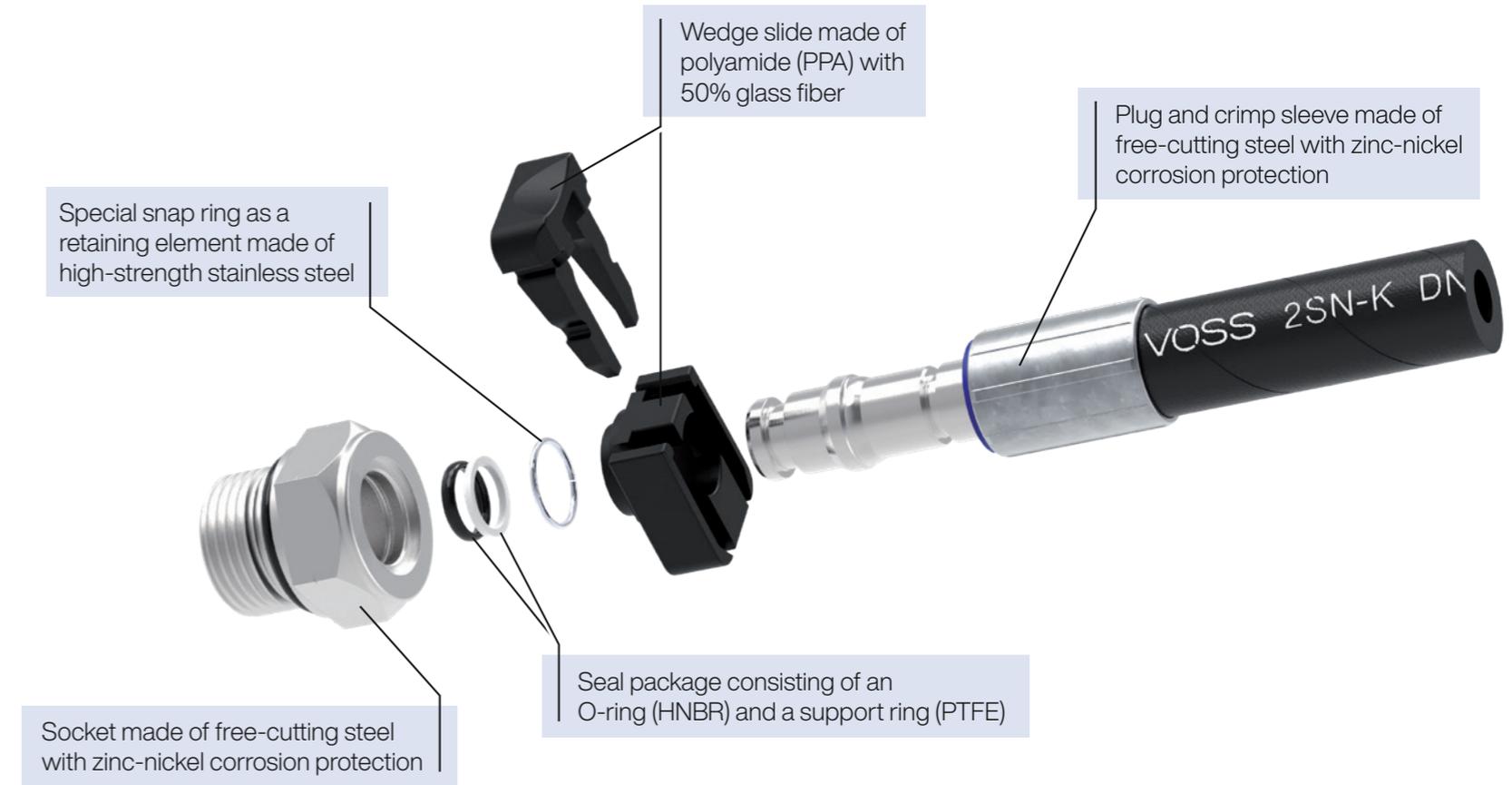
VOSSPlug is the patented and highly economical solution for high-pressure applications. Thanks to its tool-free assembly, the plug-in system reduces installation time by approximately 30 seconds compared to screwed connections, making it ideal for compact spaces.

VOSSPlug is designed so that all components remain securely attached to the plug. The patented wedge slide locking mechanism ensures reliable plug-in safety, even at pressures up to 400 bar. The special snap ring automatically assumes its retaining position due to the active locking mechanism, which is clearly visible from the outside. In this position, the retaining ring is fully (360°) chambered. The system prevents hose twisting during assembly, ensuring a tension-free layout and extended service life. Even during disassembly, *VOSSPlug* remains completely secure: unlocking under pressure is impossible. A standard screwdriver is sufficient for release.

Our *VOSSPlug* plug-in system is available as an integrated version or with an adapter fitting. The integrated version eliminates additional components, as contour contours are provided in the connection area by the customer.



System Design



VOSSPlug Product Features

Efficient Assembly in the Smallest Spaces

- Easy plugging and unplugging from above, ideal for tight spaces
- Direct access for service allows effortless replacement of lines without the need to dismantle nearby connections
- No radial mounting space required, making the system more space-saving compared to screw fittings

Full Flexibility Through Versatile Connection Options

Integrated Version:

- Molded bore directly integrated into the connection block
- Cost-effective, as no adapter fittings are required

Adapter Version

- Simple, standardized threaded bore in the connection block
- Flexible use with adapter fitting and standardized connecting thread as the interface to the VOSSPlug connector
- Easy maintenance, replaceable worldwide with common hose lines and threaded fittings



VOSS

Tension-free Assembly

- Ensures an ideal, tension-free course for the hose line
- Prevents twisting of the hose during assembly
- Extends the service life of the hose

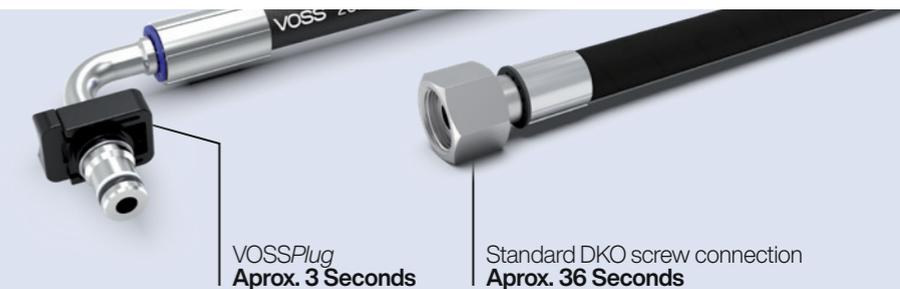
Reliable Plug-in Safety

- Maximum plug-in safety through patented wedge slide locking mechanism
- No release possible under operating pressure
- Locking occurs only when the system is fully inserted
- Visual inspection of the locking
- Tear-out safety due to 360° chambering of the retaining element



Quick Assembly

- Fast and easy plugging and locking
- Wedge side locks audibly and visibly from the outside



Variants and Application Limits

High Pressures up to 400 bar

The VOSSPlug hose plug-in system impresses with a pressure resistance of up to 400 bar. The specially developed retaining and sealing element ensures maximum leakage and pull-out safety, making it ideal for all standard applications in the hydraulic sector.

VOSSPlug sizes*	Nominal pressure
VP 06 (DN06)	400 bar
VP 10 (DN08 + DN10)	370 bar
VP 12 (DN12)	370 bar
VP 16 (DN16)	350 bar

*The VOSSPlug size VP typically corresponds to the hose connection size DN. The combination size VP10 is available for hoses DN08 and DN10.

Temperatures up to +100 °C

By using HNBR O-rings and high-performance plastic PPA, VOSSPlug offers outstanding aging resistance. It provides reliable protection at media temperatures from -40 °C to +100 °C and offers maximum protection against environmental influences such as UV radiation, ozone, and ambient temperatures from -40 °C to +60 °C.



Tested Safety

VOSSPlug sets standards in safety and quality, confirmed by a successfully completed release testing program in close collaboration with our customers. Additionally, the DNV certification guarantees flame resistance at +800 °C for 30 minutes, further emphasizing the reliability of our system.

Your Advantages at a Glance



Easy Assembly

Fast and tool-free assembly without the need for special training or prior knowledge.



Space-saving Assembly

Ideal for tight spaces, without the need to dismantle adjacent connections.



Easy Handling

Ergonomic and back-friendly installation without the need for force.



Tension-free Assembly

Optimal adjustment to the tension-free path of the hose, without twisting.



Reliable Plug-in Safety

Patented wedge slide locking mechanism prevents unintended release under pressure.

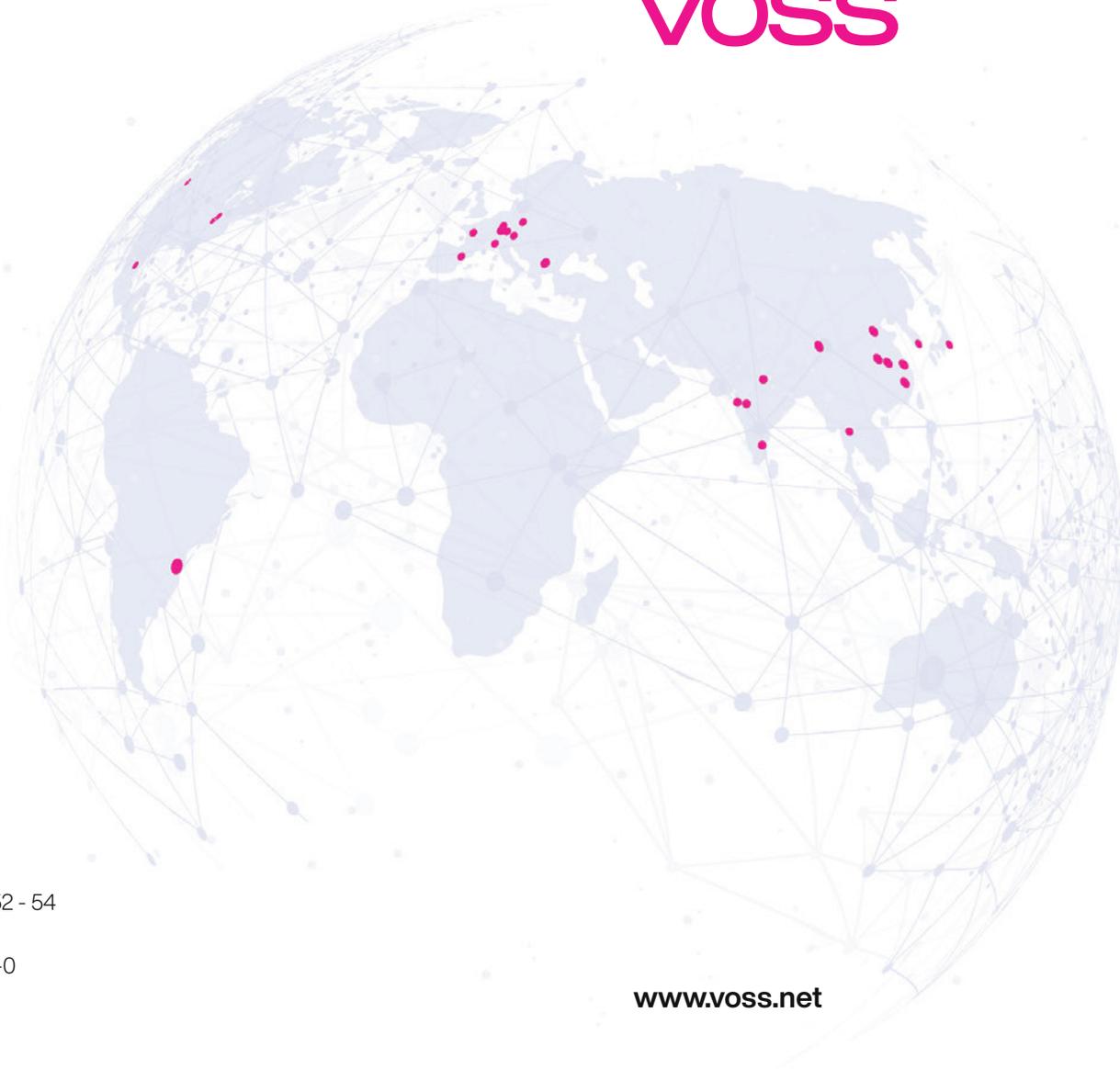


Maintenance-friendly

Low maintenance requirements. Easily dismantlable and remountable at any time.



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