HCW

CONNECTORS FOR WATER COOLING SYSTEMS

FOR TRUCKS

HENN

CONNECTING COMPETENCE

HCW

CONNECTORS FOR WATER COOLING SYSTEMS

FIELDS OF APPLICATION

- Ideal for heavy truck applications
- Water intercooler, water pump, thermostat, heat exchanger, coolant manifold, heating circuit
- HCW connector crimped on rubber hose

MATERIALS

- Sleeve connector: 1.4301 (AISI 304)
- Spring clip: 1.4310 (AISI 301)
- Spring clip retainer: PA 6.6 / PA6
- O-ring sealing element: EPDM
- DLD sealing element: LSR

TEMPERATURE RANGE

- EPDM: -20 – 135°C
- LSR: -40 – 135°C (150°C, 22h)

PRESSURE RANGE

0.6 – 5.5 bar absolute

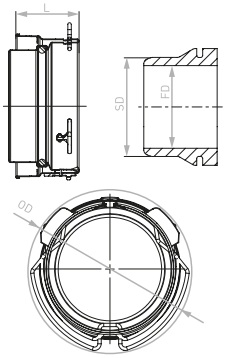
PRODUCT BENEFITS

- Secondary latching
- Protection against disassembly
- Outer rotation lock
- Low assembly and disassembly forces
- Protection against single sided engagement
- 100 % traceability with data matrix code
- Short installation length
- Direct hose connection in the connector
- Weight saving
- Low system and process costs
- Compatible with VDA standard

GENERAL INFORMATION

The HENN Connector (HCW) is a cooling water connector that conforms to the "VDA standard" for cooling water system spigots. HCW connectors have been in production since 2014. Their robustness, low assembly forces, safety aspects and high quality are increasingly replacing conventional clamped connections. The HENN Connector is manufactured as one metal part, which provides stability, coolant resistance and excellent corrosion properties. 100% automated manufacturing process for full assembly and controlled manufacturing.

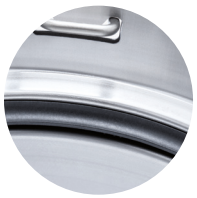
The HCW connector can be delivered in EPDM or LSR. To ensure the best sealing, HENN uses besides the O-Ring a double lip seal which helps to ensure low assembly forces of the connector and to catch dust particles.



DIAMETERS / SPECIFICATIONS

	Flow diameter Ø FD	Sealing diameter Ø SD	Outer diameter Ø OD	Installation length L
HCW 45	45	51	77	34
HCW 55	55	61	89	35

Data in mm.



▲ Double lip sealing

▲ Data matrix code

THE CRIMPING METHOD

All good connections are judged by their most intricate points. The fastening of a connector with a screw or pressure clamp onto the hose is a compromise. This is why HENN developed its own crimping method, which not only crimps the hose together permanently with the connector, but also considers all material properties in the crimping parameters. The connection, crimping system and parameter come from one source; nothing could be more secure and more affordable. No additional fastening elements are required.

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