



**HC.WATER**  
CONNECTORS FOR  
WATER COOLING  
SYSTEMS

**HENN**  
CONNECTING COMPETENCE

## CONNECTORS FOR WATER COOLING SYSTEMS

### FIELDS OF APPLICATION

- Water intercooler, water pump, thermostat, heat exchanger, coolant manifold, heating circuit
- HC.WATER connector crimped on rubber hose

### MATERIALS

- Sleeve connector: EN 10346 – 1.0436 [DX56D + ZM200]
- Spring clip: 1.4310 (AISI 301)
- Spring clip retainer: PA 66 Black
- O-ring sealing element: LSR, EPDM
- DLD sealing element: LSR, EPDM

### TEMPERATURE RANGE

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

### PRESSURE RANGE

0.01 – 6.0 bar absolute

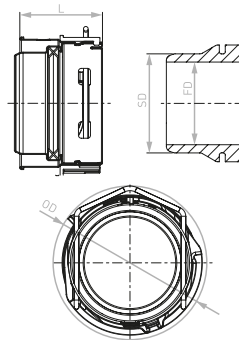
### PRODUCT BENEFITS

- Plug-in protection for NOK crimped parts
- Plug-in protection released by the machine after OK evaluation
- Secondary latching
- Protection against disassembly
- Outer rotation lock
- Low assembly and disassembly forces
- 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 (HC.WATER) is a cooling water connector that conforms to the "VDA standard" for cooling water system spigots. HC.WATER 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 HC.WATER connector can be delivered in EPDM or LSR. To ensure the best sealing, HENN uses besides the O-Ring a dual 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	Insertion force [N]
HC.WATER 12*	12	16.15	31	23	47
HC.WATER 14*	14	17.5	34	23	49
HC.WATER 16	16	22.15	40	27	52
HC.WATER 20	20	26.15	45	28	55
HC.WATER 26	26	32.35	51	30	59
HC.WATER 32	32	38.35	58	32	63
HC.WATER 35	35	41.35	61	33	66
HC.WATER 40	40	46.35	66	35	71

\*Only O-ring available.

Data in mm.



▲ 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.