



**HC+**

CONNECTORS FOR  
CHARGE AIR  
SYSTEMS

**HEN****N**

CONNECTING COMPETENCE

## CONNECTORS FOR CHARGE AIR SYSTEMS

### FIELDS OF APPLICATION

- Intercoolers, turbo chargers, throttle bodies
- HC+ connector crimped to hard and soft plastic tube, rubber hose or metal tube

### MATERIALS

- Sleeve connector: 1.4301 (AISI 304)
- Spring clip: 1.4310 (AISI 301)
- Spring clip retainer: PA 6.6 + PA6
- Sealing element: AEM, FKM

### TEMPERATURE RANGE

- AEM: -40 – 160°C (180°C, 3h)
- FKM: -20 – 240°C (245°C, 3h)

### PRESSURE RANGE

0.6 – 5.5 bar absolute

### PRODUCT BENEFITS

- Secondary latching
- Protection against disassembly
- Outer rotation lock
- Protection against single sided engagement
- 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

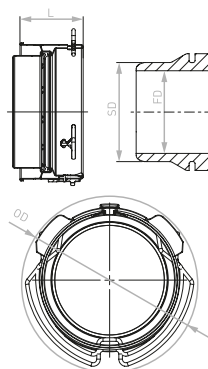
### OPTIONS

- Sealing element for hard plastic application
- Sealing element for metal application
- Inner rotation lock

### GENERAL INFORMATION

The HENN Connector (HC+) is a charge air connector that conforms to the "VDA standard" for charge air system spigots. HC connectors have been in production since 2006. Their robustness, low assembly forces and high quality are increasingly replacing conventional clamped connections. The HENN Connector is manufactured as one stainless steel part, which provides stability and excellent corrosion properties. 100% automated manufacturing process for full assembly and controlled manufacturing.

The HC+ connector can be delivered in two versions of sealing element material, AEM and FKM. To ensure the best sealing, HENN uses 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
HC+ 32	32	38	65	33
HC+ 35	35	40	66	33
HC+ 38	38	44.3	71	33
HC+ 40	40	46	72	33
HC+ 45	45	51	77	34
HC+ 50	50	56	84	34
HC+ 55	55	61	89	35
HC+ 60	60	67	96	35
HC+ 65	65	72	101	36

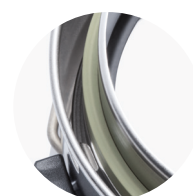
Data in mm.



◀ Inner rotation lock



▶ Sealing element for metal



◀ Sealing element for hard plastic

### 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.