



## Fittings

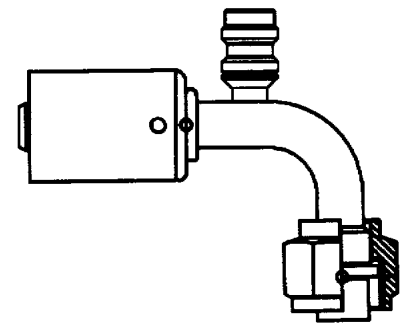
### General points

Fittings are available in different versions.

It must be noted that connection muffers for flexible refrigerant pipelines have certain structural features at one end.

- A cylindrical straight connection pipe, the outer diameter of which matches the interior diameter of the pipeline. The connection pipe has radial grooves to prevent the line slipping off.
- A connection sleeve which is crimped using the respective crimping tool or pliers and thus closely connects the connection pipe and the connection line to one another.

The other end of the line has different kinds of connection possibilities depending on the manufacturer.



### Function

Fittings have the task of connecting individual components of the air conditioning system containing refrigerant by means of hoses or aluminium pipelines.

### Effects of failure

A faulty fitting can become noticeable as follows:

- Loss of refrigerant
- Failure of the air conditioning system

Reasons for a faulty fitting can be:

- Unprofessional installation
- Heavy vibrations caused by pipelines not being fixed in place
- Damage caused by accidents



## Troubleshooting

The following test steps should be used in troubleshooting:

- Visual inspection
- Check pipelines and connections for correct fit
- Functional test
- Pressure test with the compressor switched on and the engine running
- Leak test

### Note:

Special tools and hoses for producing or servicing pipelines can be found in the *Behr Hella Service* air conditioning range.