

Requirements for the proper handling and maintenance of test adapters

Wear parts on test adapters

Verschleißteile sind alle Elemente und Bauteile, die in direkter oder indirekter regelmäßiger mechanischer Interaktion mit dem zu prüfenden Kundenprodukt stehen:

Wear parts are all elements and components that are in direct or indirect regular mechanical interaction with the customer product under test:

1. centering elements
 - Centering masks, see Figure 1.
 - Centering covers
 - Centering mandrels
2. bearing and compensating elements
 - Floating bearings
 - Suspensions
 - Bearing elements
3. locking elements
 - Detent hooks
 - Locking pawls, see Figure 1
 - Locking slides
4. contact elements
 - Spring loaded pins, see Figure 1.
 - Sheet metal contacts / metal contacts
 - Wire contacts / wire spring contacts

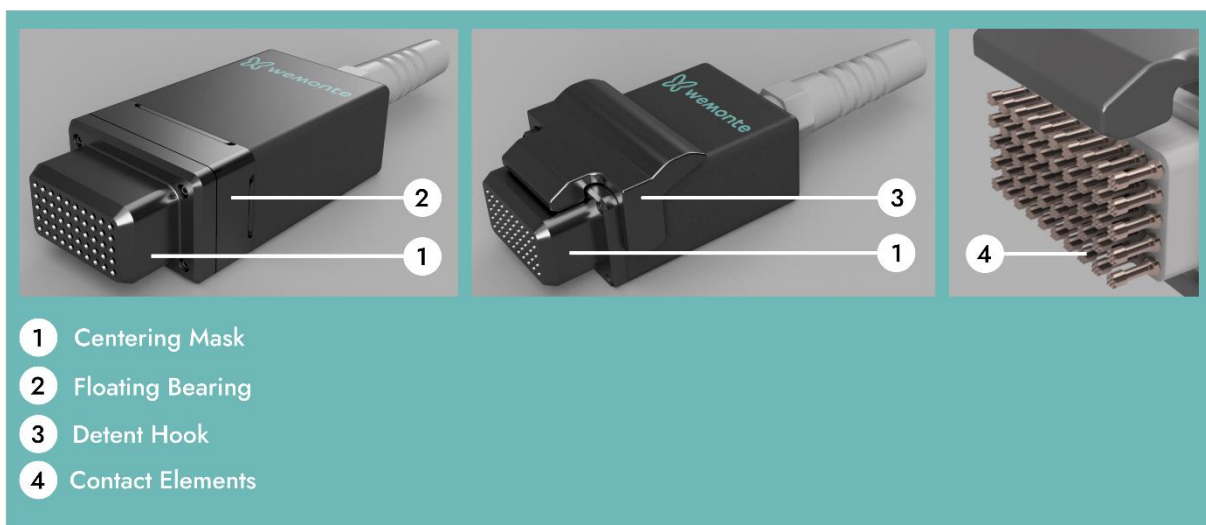


Figure 1: Parts of test connectors

Proper handling of test adapters

To ensure function and durability, wemonte test fixtures must:

- be inserted and used in a clean, dry environment.
- be stored in a clean, dry environment protected from dust or dirt particles.
- be protected from contact with aggressive media, chemicals or oils.
- be used in the range between 10 and 50°C and protected from cold or heat.
- be stored in the range between 10 and 30°C in a dark, dry environment and protected from cold or heat.
- Be protected from increased force. This applies primarily to the following areas:
 - Plug-in procedure / insertion of the test adapter into the test specimen:
 - Force shocks due to high impulses caused by high feeding speeds and / or poor positioning of the product to be tested must be avoided or prevented.
 - In case of doubt, the speed of automated mating processes must be reduced to < 1 cm/s.
 - In the case of manual insertion processes, the workers must be trained in the proper and low-wear handling of the test equipment.
 - Storage of the test fixtures:
 - The manually guided test fixtures / test plugs must be properly deposited between test procedures. Impacts must be avoided, and the storage surface must be as soft as possible. The workers must be trained in the necessary movements.
- be inspected and serviced regularly to ensure proper function and durability. Regular visual inspection in production environments away from ideal conditions is essential. Visual inspections and maintenance must be carried out on a regular basis. Appropriate individual concepts must be developed and the workers and maintenance personnel trained.

Maintenance of test adapters

The following maintenance instructions must be observed:

- The maintenance and repair of our test adapters should be carried out by the experts of wemonte AG.
- Replacing or opening components on our test adapters that are not marked as wear parts will void the warranty.
- Components marked as wearing parts can be replaced by the customer by technically trained personnel who have been trained for our test fixtures.
- Repairs or regular maintenance are to be carried out by wemonte AG.
- Customer maintenance / replacement of wear parts and general work on our test fixtures must be documented.

All employees / workers in contact with our test adapters must be regularly trained in their proper handling. Proof of the training must be kept.