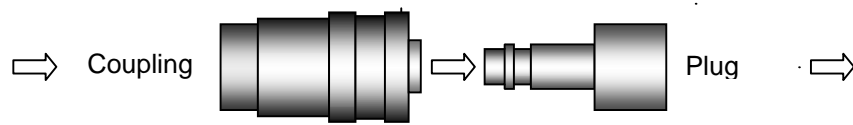


Installation instructions:

Before installation make sure that the selected quick connect coupling is suitable for the fluid to flow through it and the surrounding atmosphere, with respect to its design (series), materials, seals, working pressure and working temperature.

- ⇒ **The installation location** of the quick connect coupling or of the plug must be selected in such a way that the operator cannot injure himself through dangerous locations in the direct vicinity, e.g. slipping, jamming, contamination or burning.
- ⇒ When **using hoses**, the permissible operating pressure of these hoses at the respective operating temperature must not be exceeded. The hoses must be secured against slipping off the fittings with hose clamps which are suitable for the pressure and for the material of the hose.
- ⇒ **For vibrating tools**, ISO 6150 (Pneumatic fluid power - Cylindrical quick-action couplings), under § 7.1, recommends that a flexible hose with a length of at least 300 mm should be installed between such tools and a quick connect coupling. The oscillating forces are absorbed by the hose piece, thus extending the service life of a quick connect coupling. No guarantee can be accepted for couplings mounted directly on vibrating tools.
- ⇒ **The recommended direction of flow** is from the coupling to the connector, insofar as nothing else is specified in the catalogue description. (**LINK Catalogue series**)



- ⇒ Insofar as RectuLoc coating or sealing washers are not fitted as standard, **threads for low-pressure applications** must be coated with suitable sealing agents such as Teflon tape or fluid sealing agents, and attention must be paid to compatibility with the fluid flowing through.
- ⇒ **Threads for hydraulic applications** must be connected using screw adapters in accordance with DIN 3852, form A, B or E. The permitted working pressures of the adapters may differ from those of the quick connect couplings or plugs. Pay attention to the compatibility of any seals that may be used with the fluid flowing through.
- ⇒ **Protective caps** and protected plugs are recommended for uncoupled connectors and couplings, in order to prevent contamination or damage.

Maintenance instructions:

Quick connect couplings are largely maintenance-free with standard applications and careful treatment, with the correct selection of coupling type and materials. Depending on the operating conditions, we recommend that a custom-made maintenance procedure, covering at least the following points, should be carried out.

- ⇒ **Non-lubricating fluids** (e.g. non-oiled, dry compressed air) require light, regular lubrication of the coupling (lubrication instructions on request).
- ⇒ **External visual inspection** of the quick connect coupling combination: In the event of dirt accumulation in the functional area of coupling and plug (compression area, operating elements) this must be cleaned. The following properties require replacement of the parts in question: torn, damaged, very dirty or corroded parts, leaks in coupling or plug parts.
- ⇒ **Replacement intervals** for quick connect couplings, if they exist, must be adapted to state regulations or technical standards. However, historical operating values



Instructions for Use
Installation and maintenance instructions

**Standard
Catalogue Series**

resulting from the necessary operating safety and operating conditions, such as downtimes, coupling frequency, pressure and fluid properties, may also be definitive for deciding on replacement intervals.

Under extreme conditions of dirt and cold, it is recommended that the **TEMA lubrication nipples** offered for some series should be used. The element is simply pushed into the coupling. The entire mechanical part of the coupling can then be lubricated by means of the lubrication nipple. This reliably prevents the sleeve from freezing, or dirt from penetrating the system under the sleeve.