

Beware of Imitations

Recently on the market, there have appeared similar products that invite misidentification or confusion with Nitto Kohki Cuplas, or such products that claim to have compatible mating parts. Nitto Kohki cannot accept responsibility for any accident that may result by mixed use with a coupling of another brand that seems connectable to a Nitto Kohki Cupla. Nitto Kohki Cuplas are produced with their own unique tolerances and precision under strict quality control, and are not interchangeable with other couplings that are not under such tolerances. Therefore, connection to other brand of coupling may end up with abrupt breakdown or personal injury. Please be sure to check for our marks attached on the bottom-right corner, which are always inscribed on Nitto Kohki Cupla products, when you order and purchase.



Precautions relating to the use of all Cuplas

- Be sure to read “Instruction Sheet” that comes with the products, and “Caution” on the package before use.

Hydraulic Cupla (Pages 81~98)

Warning

- Do not put fluids other than the specified by the maker through Cuplas.
- Do not use Cuplas continuously under any pressure exceeding the rated working pressure.
- Do not use at temperatures outside the rated working temperature range. Otherwise you may damage the seal material inside and cause leakage.
- Do not connect/disconnect with fluid under dynamic pressure or static residual pressure. (excluding connection of HSP-PV type)
- Do not pressurize the socket or plug with fluid while disconnected. (SP type Cupla)
- Do not disassemble.

Caution

- Apply liquid/tape sealant on male taper threads to ensure no leak.
- Do not tighten up the screw on Cupla exceeding the rated maximum tightening torque, which may cause damage.
- Do not use for the purpose of other than quick connect coupling between fluid pipelines.
- Do not connect with other brands' quick connect couplings.
- Do not apply any artificial impact, bend, or tension other than necessary in connection and disconnection. This may cause leakage or damage.
- Do not use in a place where metal debris or sands may be around. This may cause malfunction or leakage.
- Careless paint on Cuplas may cause malfunction or leakage.
- A shut-off valve must be installed between pressure source and the Cupla.
- Do not use as a swivel joint.
- Direct hookup to a vibration or impact device may result in reduced lifetime.
- Do not use with water-glycol type operating oil, which will invade zinc plating.
- Fluid must be cleaned through filters before reaching the Cuplas.
- O-rings in Cuplas must remain lubricated at all times.
- Design and keep the fluid flow speed through Cuplas below 8 m/s.
- Don't strike the revealed end of an automatic shut-off valve with a hammer or the like. It may cause leakage or malfunction. Consult us for alternative way of releasing the residual pressure inside.
- Refer to the pages of Seal Material Selection Table and Body Material Selection Table at the end of this catalog to consult suitable seal and body materials for the fluid you use.

Semicon Cupla (Pages 103~107)

Caution

- Prior to initial use, the seal material should be tested to confirm the material suitability for the fluid.
- Apply liquid/tape sealant on male taper threads to ensure no leak.
- Do not tighten up the screw on Cupla exceeding the rated maximum tightening torque, which may cause damage.
- Apply the fluid used or pure water on the O-ring or plug (cylindrical part where the O-ring slides over) to reduce sliding friction (insertion load) and protect the O-ring from wear and tear.
- Small amount of fluid will spill out during disconnection. In order to avoid any foreseeable danger, purge out the fluid inside the Cupla with compressed air before disconnection.
- Do not use as a swivel joint.
- Do not use for the purpose of other than quick connect coupling between fluid pipelines.
- Do not apply any artificial impact, bend, or tension other than necessary in connection and disconnection. This may cause leakage or damage.
- Do not pressurize the socket or plug with fluid while disconnected. This may cause possible valve blow out.
- Be sure to mount a proper dust cap while the Cuplas are left disconnected.
- Never disassemble Cuplas without enough repair know-how.

Dialyzer Cupla (Pages 108)

Caution

- Do not use Cuplas continuously under any pressure exceeding the rated working pressure.
- Do not use at temperatures outside the rated working temperature range. Otherwise you may damage the seal material inside and cause leakage.
- Do not use for the purpose of other than quick connect coupling between fluid pipelines.
- Do not apply any artificial impact, bend, or tension other than necessary in connection and disconnection. This may cause leakage or damage.
- Never disassemble Cuplas without enough repair know-how.

Multi Cupla (Pages 109~112)

Caution

- Do not apply any artificial impact, bend, or tension other than necessary in connection and disconnection. This may cause leakage or damage.
- Do not use in a place where metal debris or sands may be around. This may cause malfunction or leakage.
- Do not use for the purpose of other than quick connect coupling between fluid pipelines.
- Direct hookup to a vibration or impact device may result in reduced lifetime.
- Connection under pressure may cause damage to the valve seal depending on use conditions and result in fluid leakage.

Cupla for cooling water and heating oil (Pages 99~101)

Caution

- Do not put fluids other than the specified by the maker through Cuplas.
- Do not use Cuplas continuously under any pressure exceeding the rated working pressure.
- Do not use at temperatures outside the rated working temperature range. Otherwise you may damage the seal material inside and cause leakage.
- Do not apply any artificial impact, bend, or tension other than necessary in connection and disconnection. This may cause leakage or damage.
- Do not use in a place where metal debris or sands may be around. This may cause malfunction or leakage.
- Careless paint on Cuplas may cause malfunction or leakage.
- Do not tighten screws in excess of the rated maximum tightening torque, otherwise it may cause damage.
- Do not use a hose with cracks, which may cause leakage or disconnection.
- Direct hookup to a vibration or impact device may result in reduced lifetime.
- Fluid must be cleaned through filters before reaching the Cuplas.
- Do not disassemble.

Paint Cupla (Pages 102)

Warning

- Do not use Cuplas continuously under any pressure exceeding the rated working pressure
- Do not use at temperatures outside the rated working temperature range. Otherwise you may damage the seal material inside and cause leakage.
- Do not put fluids other than the specified by the maker through Cuplas.
- Check carefully if your special paint or solvent is suitable with the Cupla before use.
- Grounding must be secured for such a hose where earth wire is embedded. Insufficient grounding may lead to fire or dangerous explosion caused by possible sparks of static electricity.
- All the time during operation, wear appropriate clothes and protective equipment such as safety glasses, face guard and gloves. Otherwise it will be potentially hazardous when paint or solvent splashes on to operators.
- Never disassemble Cuplas without enough repair know-how.

Caution

- This Cupla is designed for paints diluted by solvents. Don't use this Cupla for other than this specific application.
- Do not tighten up the screw on Cupla exceeding the rated maximum tightening torque, which may cause damage.
- Do not apply any artificial impact, bend, or tension other than necessary in connection and disconnection. This may cause leakage or damage.
- Do not use in a place where metal debris or sands may be around. This may cause malfunction or leakage.
- Do not use as a swivel joint.
- Fluid must be cleaned through filters before reaching the Cuplas.
- A shut-off valve must be installed between pressure source and the Cupla.
- Do not try to connect other makers' plug to our socket. This will cause leakage from the couplings or damage on the Cuplas.
- Do not connect with other brands' quick connect couplings.
- Be careful with the fluid that will spill out from the plug when disconnected.
- Clean up the Cuplas after every use. Otherwise paint will dry out on and inside Cuplas and may cause their malfunction, insufficient color mix, or incomplete grounding.
- Check up Cuplas periodically. If any disorder is shown, stop using the Cuplas until properly repaired or replaced with new ones.
- Fluid must be supplied from socket to plug.

Semi-Standard Cupla Series (Pages 115~120)

Caution

- Do not use for the purpose of other than quick connect coupling between fluid pipelines.
- Do not put fluids other than the specified by the maker through Cuplas.
- Do not connect with other brands' quick connect couplings.
- Do not use Cuplas continuously under any pressure exceeding the rated working pressure.
- Do not use at temperatures outside the rated working temperature range. Otherwise you may damage the seal material inside and cause leakage.
- Do not tighten up the screw on Cupla exceeding the rated maximum tightening torque, which may cause damage.
- Do not apply any artificial impact, bend, or tension other than necessary in connection and disconnection. This may cause leakage or damage.
- Direct hookup to a vibration or impact device may result in reduced lifetime.
- Do not use in a place where metal debris or sands may be around. This may cause malfunction or leakage.
- Careless paint on Cuplas may cause malfunction or leakage.
- Never disassemble Cuplas without enough repair know-how.