

Safety Guide

Safety Precautions

The safety precautions provide instructions for the safe use of Nitto Cuplas to avoid the potential danger of bodily harm or damage to surrounding property. The safety precautions are categorized under the headings Danger, Warning and Caution, in accordance with the degree of potential hazard to the body or surrounding property, if the Cuplas are used incorrectly.

They are all important notes for safety and must be followed as well as in accordance with International standards #1 and other local safety regulations #2.

#1: ISO 4413, Hydraulic Fluid Power – General rules relating to systems ISO 4414, Pneumatic Fluid Power – General rules relating to systems

#2: Industrial Health & Safety law (for example)

DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in personal injury or property damage.

DANGER

Stop using the Cupla immediately if there is any anticipated danger of operation or reduced safety.

WARNING

The enclosed safety precautions are only a guideline. When using Nitto Cuplas, you are requested to pay particular attention to possible hazardous situations for the application which are not stated in the safety precautions.

Caution When Selecting Cuplas

DANGER

- Connection to a coupling of another brand may cause imperfect connection or disconnection, reduced air tightness, impaired pressure resistance or durability, reduced flow rate and potentially result in an unexpected accident and therefore must be avoided. Nitto Kohki cannot accept liability for any accident that may result by mixed use with the coupling of another brand. Please be sure to check for our marks on the right hand side of this page, which are always inscribed on Nitto Kohki Cupla products, when you order and purchase.
- Do not use Cuplas under conditions and environments other than specified in the catalog.

WARNING

- Please consult us prior to use if Cuplas are required for use on machines, equipment or systems (hereafter referred to as “equipment, systems, etc.”) for sustaining or controlling human life or body.
- When Cuplas are used for the purpose of ensuring safety, please consult us beforehand.
- The compatibility of the product with specific equipment, systems, etc. must be determined by the person designing the equipment, systems, etc. or the person who decides its specifications based on necessary analysis and test result. The expected performance and safety assurance of the equipment, systems, etc. will be the responsibility of the person who has determined its compatibility with the product.
- If Cuplas are to be used for the following applications, please consult us:
 - Vehicles, aircraft and associated equipment systems that accommodate people
 - Medical facilities or suction equipment that directly affects human body
 - Equipment that directly comes into contact with and runs food, drugs or medicines, drinking water, atomic energy equipment or equipment that ensures safety.
- Selecting the wrong type of seal material may cause a leak. In making your selection, please check the compatibility of the seal material with the type of fluid and temperature used in the application.
- Please consult us prior to selection or use of Cuplas when they are intended for use with corrosive or flammable gases/liquids and/or in atmospheres of these types of gases and liquids.

Warranty and Disclaimer

Our responsibilities for the defects in our products shall be as follows:

- We shall be responsible for any defects in design, material or workmanship of our products, if it is apparent that such defects are due to reasons solely attributable to us.
- Our responsibilities shall be limited to one of the following, as determined by us:
 - (a) repair of any defective products or parts thereof,
 - (b) replacement of any defective products or parts thereof; or
 - (c) compensation for loss and damages incurred by you, which shall in no case exceed the amount of your purchase price for the defective products.
- We shall in no case be liable for any special, indirect or consequential loss or damages, whether such loss or damages are those arising from work stoppage, impairment of other goods or death or personal injury.

Performance, Dimensions and Its Limitation

Please note the performance charts and outside dimensions in this catalog do not take into account any tolerances found in mass production. The information is an average, to be a guide for selecting models and to enable technical appraisal by users.

Beware of Imitations

Recently, similar products which invite misidentification or confusion with Nitto Kohki Cuplas have appeared on the market.

Connection with such a similar product to a Nitto Kohki Cupla may cause:

1. Imperfect connection or disconnection
2. Reduced air tightness
3. Impaired pressure resistance or durability
4. Reduced flow rate

and could result in unexpected accidents.

Therefore, connection other than with a Nitto Kohki Cupla must be avoided.

Please be sure to check for our original marks on the right hand side of this page, which are always inscribed on Nitto Kohki Cupla products, when you order and purchase.

Note: Nitto Kohki cannot accept any liability for any accident that may occur as a result of using couplings of another brand in conjunction with our own.

Markings

