



# INOAC CONIC JOINT - NO FLARE HVAC FITTING



The INOAC Conic Joint is a certified mechanical fitting engineered to simplify and strengthen the connection between copper or aluminium pipes in AC/R systems.

**INO-CJ-06G** - Conic Joint 1/4" PK 2

**INO-CJ-09G** - Conic Joint 3/8" PK 2

**INO-CJ-12G** - Conic Joint 1/2" PK 2

**INO-CJ-15G** - Conic Joint 5/8" PK 2

**INO-CJTT-0612** - Tightening Tool 1/4" & 1/2"

**INO-CJTT-0915** - Tightening Tool 3/8" & 5/8"

Designed with reliability and practicality in mind, this flareless joint system eliminates the need for traditional flaring tools, reduces installation time, and enhances long-term system reliability. Whether you're working on residential air conditioning units or large-scale commercial systems, the Conic Joint is the easy alternative to flares.

## Key Features

**Flareless Design:** Say goodbye to complex flaring procedures. The Conic Joint uses a two-step tightening mechanism that ensures a secure, leak-free connection without the need for specialized tools or flaring equipment.

**Double O-Ring Seal:** Engineered for high-pressure environments, the dual O-ring system provides superior sealing performance—rated up to 625 psi—offering peace of mind against refrigerant leaks.

**Universal Compatibility:** Designed to connect both copper and aluminum pipes, the Conic Joint is ideal for hybrid systems and retrofit applications.

**Corrosion Resistance:** The joint's innovative design mitigates galvanic corrosion, a common issue when connecting dissimilar metals, ensuring long-term durability.

**Tool-Free Simplicity:** Installation requires only a standard wrench and tightener—no heavy-duty tools or advanced training needed.

**Cost Efficiency:** By enabling the use of aluminium tubing, which is lighter and more affordable than copper, the Conic Joint offers significant material and labour savings.

## Installation Process

- 1. Cut and Deburr:** Ensure the pipe ends are clean and free of burrs.
- 2. Insert and Align:** Slide the Conic Joint over the pipe ends.
- 3. Tighten:** Use a wrench and tightener to secure the joint in place. The dual O-ring compresses to form a leak-proof seal.
- 4. Test:** Pressurize the system and check for leaks—no flare, no fuss.

## Applications

- Residential and commercial HVAC systems
- Split-type and multi-split air conditioners
- Refrigeration units
- Retrofitting and system upgrades
- OEM manufacturing

## Certifications and Compliance

- Compliant with international HVAC standards
- Tested for compatibility with modern refrigerants
- Flame-retardant options available for enhanced safety
- Meets ISO 14903 and ISO 6892 standards