

Barcelona female threaded aluminum fitting DN25 to DN70



What is a Barcelona coupling?

The **Barcelona coupling** is a symmetrical connection system used mainly in **fire-fighting** networks, particularly in Spain and several other European countries. It features a robust design and a quick-locking system with **lugs and twist lock**, guaranteeing a safe, reliable connection.

Like the STORZ connection, the Barcelona connection is **symmetrical (hermaphroditic)**, meaning that two identical connections can be assembled in either direction. This feature facilitates connection operations in the field and minimizes errors during maintenance.

Specific features of the Barcelona female threaded connection

The **Barcelona female threaded aluminum fitting** allows direct connection to a standardized male thread. It is particularly suitable for fixed installations or equipment requiring a reliable threaded interface.

Its **aluminum** design offers an excellent compromise between **lightness, mechanical strength and corrosion resistance**, making it ideally suited to industrial environments and fire applications.

Differences between Barcelona and other fire connections

A number of different standards are used in fire-fighting systems throughout Europe. The Barcelona coupling is positioned as an alternative to the most widespread systems:

STORZ coupling: widely used in Europe, it enables rapid connection by simple rotation. The Barcelona, although similar in its symmetrical principle, uses a different locking system with a latch, offering excellent mechanical strength.

Guillemin coupling (DSP/ARI): very common in France, this is based on a rotating ring system with locks. Barcelona fittings are generally simpler and quicker to handle in certain configurations.

Threaded fittings: used for fixed connections, they require complete screwing. Barcelona fittings provide a faster connection to complement these threaded interfaces.

The choice between these systems depends on local standards, existing equipment and operating constraints.

Why choose a Barcelona fitting?

- Fast, secure connection
- Symmetrical system limits assembly errors
- Excellent resistance to intensive conditions
- Adapted to Southern European standards
- Proven reliability in fire networks

This type of connection is particularly used in environments requiring high robustness and compatibility with equipment specific to certain European markets.

MMF variations

- **41489:** Barcelona DN25 female threaded 1" aluminum fitting
- **41487:** Barcelona DN45 1"1/2 female threaded aluminum fitting
- **41485:** Barcelona DN70 female thread 2"1/2 aluminum

A complete range of European fire fittings with MMF

MMF offers a **complete range of fire fittings complying with European standards** to meet the requirements of professionals in fire safety, industry and technical infrastructures.

In addition to **Barcelona fittings**, MMF offers solutions adapted to different markets, including **STORZ fittings**, **Guillemin fittings (DSP/ARI)** and threaded fittings.

This approach ensures **optimum equipment compatibility** and the **most comprehensive offering possible** for fluid transfer and fire-fighting applications.

MMF expertise at the service of professionals

As a specialist in technical equipment, MMF supports professionals in their choice of connection solutions, taking into account field constraints, current standards and performance requirements.

The **Barcelona female threaded aluminum fittings** offered by MMF meet strict criteria of **reliability, durability and safety**, guaranteeing optimal use in the most demanding environments.