Half Storz male BSP fitting - Aluminium



What Is a STORZ Coupling? Definition and How It Works

The **STORZ coupling** is a symmetrical connection system used primarily in **firefighting** systems and professional hydraulic applications. Unlike traditional threaded couplings, the STORZ coupling has no male/female orientation: it is **hermaphroditic**, meaning that two identical couplings can be connected to each other.

The connection is secured by a system of **opposing claws** (or lugs) that interlock and lock into place with a quarter-turn. This design allows for a **quick, reliable, and tool-free connection**, making it particularly well-suited for emergency situations.

Correspondence Table for STORZ Male BSP Threaded Half-Couplings

Designation STORZ	Male BSP Thread	Approximate DN Equivalence	Dimensions between claws
STORZ 65	G 2"	DN 50	81 mm
STORZ 65	G 2"1/2	DN 65	81 mm
STORZ 65	G 3"	DN 80	81 mm
STORZ B/75	G 2-1/2"	DN 65	89 mm
STORZ B/75	G 3"	DN 80	89 mm
STORZ 100	G 4"	DN 100	115 mm
STORZ A-110	G 4"	DN 100	133 mm
STORZ 125	G 5"	DN 125	148 mm

The distance between the jaws identifies the size of the STORZ coupling. The BSP thread corresponds to the connection on the installation side and may vary for the same STORZ size. The DN equivalents are provided for reference only.

Differences Between STORZ Couplings and Other Firefighting Couplings

In the fields of firefighting and fluid transfer, several types of couplings are used, each meeting specific standards and applications:

Threaded couplings: These require full tightening to ensure a leak-tight seal. Although they offer good mechanical strength, they take longer to install and are less suitable for rapid response operations.

Guillemin couplings (DSP/ARI): widely used in France, they employ a system of locking pins and a rotating ring. They are effective but require more technical handling than symmetrical STORZ couplings.

Express couplings: Used primarily for water systems and certain industrial applications, they are simple but less robust and less suitable for high-intensity fire conditions.

STORZ Couplings: These stand out for their **ease of use**, **quick connection**, and **reliability**. Their symmetrical design eliminates assembly errors and significantly reduces response time. Today, it is a widely used standard in Europe and internationally, particularly in industrial environments and mobile equipment.

Why choose a STORZ coupling?

The STORZ coupling is particularly valued for applications requiring frequent, quick, and secure connections. It allows for:

- **Immediate use** without tools
- **Fewer connection errors**
- **Excellent mechanical strength**
- **Compatibility with European standards**
- **Reliability under demanding conditions** (construction sites, industry, emergency services)

Its robust design, often made of aluminum or brass, ensures a long service life even under heavy use.

A comprehensive range of European fire hose couplings from MMF

Recognizing the importance of equipment compatibility and standardization, **MMF offers a comprehensive range of fire hose couplings that meet European standards**. This approach ensures that all professional needs are met, regardless of industry or technical constraints.

In addition to **STORZ couplings**, MMF offers a wide range of solutions, including **Guillemin** couplings **(DSP/ARI)**, threaded couplings, and other systems used in hydraulic and industrial networks.

The goal is to ensure **maximum interoperability** between equipment for users, while offering **the most comprehensive range possible** to meet the requirements of the fire protection, industrial, public works, and technical infrastructure markets.

Technical Expertise and Professional Support

Thanks to its expertise in technical equipment and fluid systems, MMF assists professionals in selecting their connection solutions. Product selection is based on strict criteria of **reliability, compliance, and performance** to meet the most demanding operational requirements.

The STORZ couplings offered by MMF are thus part of a comprehensive approach focused on **field performance, operational safety, and the durability of installations**.