

Weight Chart for Flare Fittings

At [Mcneil Instruments](#), we take pride in being a trusted name in the manufacturing and supply of precision-engineered [flare fittings](#). With a legacy of excellence, we cater to a wide range of industries, including oil and gas, chemical processing, automotive, and more. Our fittings are designed to deliver superior performance under high pressure and temperature conditions, ensuring leak-proof and reliable connections.

Flare fittings are widely recognized for their versatility, durability, and ease of installation. These fittings use a flared end to connect tubes, ensuring a secure seal without requiring additional sealing agents. At Mcneil Instruments, we offer a comprehensive range of flare fittings that are crafted to meet international standards, making us the preferred choice for customers globally.

To support our customers in making informed decisions, we provide detailed **weight charts** for every product. These charts simplify project planning, inventory management, and cost estimation, making them a critical tool for efficient operations. Below, you'll find detailed information and weight charts for our range of **flare fittings**.

Product Details and Weight Charts

- [Swivel Adjustable Branch Tee](#): The Swivel Adjustable Branch Tee is designed for three-way connections, providing flexibility and easy alignment in complex tubing systems.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.12 |
| 3/8" | 9.52 | 0.18 |
| 1/2" | 12.7 | 0.25 |

- **Swivel Adjustable Elbow:** This fitting allows for a 90-degree connection, with the added flexibility of a swivel adjustment for precise alignment.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.10 |
| 3/8" | 9.52 | 0.15 |
| 1/2" | 12.7 | 0.22 |

- **Swivel Adjustable Run Tee:** Used for T-joint connections, this fitting allows for swivel adjustment to ensure accurate alignment in tubing systems.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.14 |
| 3/8" | 9.52 | 0.20 |
| 1/2" | 12.7 | 0.28 |

- **Swivel Union:** Swivel unions are designed to connect two tubes while allowing rotational movement for flexibility during installation.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.08 |
| 3/8" | 9.52 | 0.12 |
| 1/2" | 12.7 | 0.18 |

- **Swivel Pipe Adaptor:** This adaptor connects a pipe to a tubing system, ensuring a secure and leak-proof connection.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.09 |
| 3/8" | 9.52 | 0.14 |
| 1/2" | 12.7 | 0.21 |

- **Collar:** A collar is used to strengthen and stabilize tubing connections, especially in high-pressure systems.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.05 |
| 3/8" | 9.52 | 0.08 |
| 1/2" | 12.7 | 0.12 |

- **Flare Male Connector:** Flare male connectors are used to join a flared tube to a male-threaded connection, ensuring a leak-proof seal.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.10 |
| 3/8" | 9.52 | 0.15 |
| 1/2" | 12.7 | 0.20 |

- **Flare Female Connector**: The Flare Female Connector ensures a secure, leak-proof connection between a flared tube and a female-threaded component, ideal for high-pressure systems.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.12 |
| 3/8" | 9.52 | 0.18 |
| 1/2" | 12.7 | 0.24 |

- **Flare Male Elbow**: The Flare Male Elbow allows a 90-degree angled connection between a flared tube and a male-threaded component.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.10 |
| 3/8" | 9.52 | 0.16 |
| 1/2" | 12.7 | 0.22 |

- **Flare Bulkhead Union**: Designed for connecting flared tubes through a bulkhead, this fitting ensures stability and durability under high-pressure conditions.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.14 |
| 3/8" | 9.52 | 0.20 |
| 1/2" | 12.7 | 0.26 |

- **Flare Female Elbow:** The Flare Female Elbow provides a 90-degree connection between a flared tube and a female-threaded component for smooth fluid flow.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.11 |
| 3/8" | 9.52 | 0.17 |
| 1/2" | 12.7 | 0.23 |

- **Flare Union Elbow:** This fitting joins two flared tubes at a 90-degree angle, ensuring a strong and reliable connection.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.12 |
| 3/8" | 9.52 | 0.18 |
| 1/2" | 12.7 | 0.24 |

- **Flare Adjustable Male Elbow:** The Flare Adjustable Male Elbow offers flexibility in alignment, making it ideal for complex piping layouts with a 90-degree connection.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.13 |
| 3/8" | 9.52 | 0.19 |
| 1/2" | 12.7 | 0.26 |

- **Flare Union Tee:** This fitting allows for a three-way connection between flared tubes, ensuring strong and secure sealing for critical applications.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.15 |
| 3/8" | 9.52 | 0.21 |
| 1/2" | 12.7 | 0.30 |

- **Flare Union Cross:** The Flare Union Cross facilitates a four-way connection between flared tubes, providing a robust and efficient solution for complex systems.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.18 |
| 3/8" | 9.52 | 0.24 |
| 1/2" | 12.7 | 0.32 |

- **Flare Tube Cap:** Flare Tube Caps are used to seal the ends of flared tubes, ensuring the system is closed and leak-proof.

| Fitting Size | Nominal Diameter (mm) | Weight (kg/unit) |
|--------------|-----------------------|------------------|
| 1/4" | 6.35 | 0.05 |
| 3/8" | 9.52 | 0.08 |
| 1/2" | 12.7 | 0.12 |

Conclusion

Mcneil Instruments continues to lead the industry with its range of premium-quality flare fittings. Our commitment to precision, quality, and customer satisfaction makes us the preferred partner for industries worldwide.

Mcneil Instruments provides a wide range of **flare fittings** that are precision-engineered to meet diverse industrial requirements. With detailed **weight charts**, customers can plan projects effectively, ensuring cost-efficiency, precise material handling, and streamlined logistics.

Choose Mcneil Instruments for superior-quality flare fittings and benefit from our commitment to excellence and customer satisfaction. For further details or to access our product catalog, feel free to contact us today!

Why Weight Charts Are Important

Weight charts are critical for:

- **Accurate Planning:** Ensuring proper material estimates for projects.
- **Cost Efficiency:** Minimizing material wastage and unnecessary expenses.
- **Streamlined Logistics:** Supporting efficient storage and transportation.
- **Informed Decisions:** Helping clients choose the right fittings for their specific needs.

Choose [Mcneil Instruments](https://www.mcneilinstruments.com/) for your flare fittings and experience unmatched quality and reliability. For further details, feel free to contact our team or access our product catalog.