

## Weight Chart for Approved Fittings

**Mcneil Instrument:** A leader in the manufacturing and supply of high-quality approved fittings, Mcneil Instruments has established itself as a trusted name in the industry. With a commitment to providing reliable and durable solutions, our fittings adhere to the highest standards and cater to the diverse needs of industries worldwide. Below, you will find detailed weight charts for various approved fittings to ensure precise planning, cost management, and efficiency in your operations.

### Product Details

1. **KOC Approved Fittings:** Designed for durability and high performance, these fittings are certified by KOC for industrial use.

| Fitting Type | Size (inches) | Weight (kg/pc) |
|--------------|---------------|----------------|
| Elbow 90°    | 1/2" - 4"     | 0.25 - 4.80    |
| Tee          | 1/2" - 4"     | 0.30 - 5.60    |
| Reducer      | 1/2" - 4"     | 0.15 - 3.90    |

2. **KNPC Approved Fittings:** KNPC-approved fittings meet stringent safety and quality standards, ideal for the oil and gas sector.

| Fitting Type | Size (inches) | Weight (kg/pc) |
|--------------|---------------|----------------|
| Elbow 45°    | 1/2" - 4"     | 0.20 - 3.50    |
| Cross        | 1/2" - 4"     | 0.50 - 6.00    |
| Coupling     | 1/2" - 4"     | 0.10 - 2.00    |

3. **PDO Approved Fittings**: Manufactured to PDO specifications, ensuring long-lasting performance in critical applications.

| Fitting Type | Size (inches) | Weight (kg/pc) |
|--------------|---------------|----------------|
| Stub End     | 1/2" - 4"     | 0.12 - 4.00    |
| Cap          | 1/2" - 4"     | 0.18 - 2.50    |

4. **SABIC Approved Fittings**: Engineered to meet SABIC's high standards, suitable for petrochemical and industrial environments.

| Fitting Type | Size (inches) | Weight (kg/pc) |
|--------------|---------------|----------------|
| Elbow 90°    | 1/2" - 4"     | 0.22 - 4.60    |
| Tee          | 1/2" - 4"     | 0.28 - 5.50    |

5. **Saudi Aramco Approved Fittings**: Trusted by Saudi Aramco for their exceptional quality and reliability in demanding conditions.

| Fitting Type | Size (inches) | Weight (kg/pc) |
|--------------|---------------|----------------|
| Reducer      | 1/2" - 4"     | 0.15 - 3.80    |
| Coupling     | 1/2" - 4"     | 0.12 - 2.10    |

6. **IBR Approved Butt Weld Fittings**: Certified for use in boilers and other high-pressure systems, ensuring maximum safety.

| Fitting Type | Size (inches) | Weight (kg/pc) |
|--------------|---------------|----------------|
| Elbow 90°    | 1/2" - 4"     | 0.20 - 4.20    |
| Stub End     | 1/2" - 4"     | 0.15 - 3.80    |

7. **IBR Approved Forged Fittings**: Suitable for high-stress environments, adhering to IBR safety and quality norms.

| Fitting Type | Size (inches) | Weight (kg/pc) |
|--------------|---------------|----------------|
| Cap          | 1/2" - 4"     | 0.18 - 2.50    |
| Tee          | 1/2" - 4"     | 0.30 - 5.60    |

8. **Dolphin Energy Approved Fittings**: Approved by Dolphin Energy for superior functionality in energy and industrial projects.

| Fitting Type | Size (inches) | Weight (kg/pc) |
|--------------|---------------|----------------|
| Cross        | 1/2" - 4"     | 0.50 - 6.00    |
| Coupling     | 1/2" - 4"     | 0.10 - 2.00    |

## Why Weight Charts Are Important

Weight charts are essential for ensuring operational **accuracy**, **efficiency**, and **safety** in industrial projects.

### Key Benefits:

- **Precise Calculations:** Eliminates errors in weight estimations.
- **Cost Efficiency:** Reduces material wastage and optimizes budgeting.
- **Compliance:** Ensures adherence to industry standards for safety and quality.
- **Logistics Planning:** Simplifies inventory management and transportation.

At [Mcneil Instrument](#) we ensure all our approved fittings come with detailed specifications and weight charts, making your projects seamless and efficient.