

# Weight Chart for Tube Fittings

**Mcneil Instruments** is a trusted name in the industry, Mcneil Instruments is renowned for its top-quality [tube fittings](#) that ensure reliable and leak-free connections. With a wide range of products designed to meet industry standards, we are committed to delivering precision, durability, and efficiency for diverse applications. Below is a detailed weight chart for our tube fittings, providing the information you need to plan and optimize your projects effectively.

## Product Details and Weight Charts

### Tube Fittings

Tube fittings are essential components that provide secure, leak-proof connections in piping and tubing systems, ensuring smooth operation across various industries, including oil & gas, chemical processing, and more.

- **[Straight Union](#)**: Straight unions are used for connecting two tubes of the same diameter, offering a strong and reliable joint.

Tube OD (mm)	Length (mm)	Weight (kg/unit)
6	35	0.05
10	40	0.08
15	50	0.15

- **Union Elbow:** Union elbows connect two tubes at a 90-degree angle, ensuring precision and durability in tight spaces.

Tube OD (mm)	Length (mm)	Weight (kg/unit)
6	38	0.06
10	44	0.10
15	56	0.18

- **Union Tee:** Union tees connect three tubes of the same diameter, forming a "T" joint for fluid distribution.

Tube OD (mm)	Length (mm)	Weight (kg/unit)
6	42	0.07
10	50	0.12
15	60	0.20

- **Union Cross:** Union crosses connect four tubes at right angles, providing a durable joint for fluid direction.

Tube OD (mm)	Length (mm)	Weight (kg/unit)
6	48	0.09
10	58	0.14
15	68	0.25

- **Reducing Union:** Reducing unions join two tubes of different diameters, ensuring a leak-free connection in size transitions.

Tube OD (mm)	Reducer OD (mm)	Length (mm)	Weight (kg/unit)
10	6	42	0.10
15	10	50	0.18

- **Reducing Tee:** Reducing tees connect three tubes, with one branch of a smaller diameter for distribution.

Tube OD (mm)	Reducer OD (mm)	Length (mm)	Weight (kg/unit)
10	6	48	0.12
15	10	58	0.22

- **Bulkhead Union:** Bulkhead unions secure tube connections through walls or panels, ensuring strength and leak prevention.

Tube OD (mm)	Length (mm)	Weight (kg/unit)
6	60	0.10
10	70	0.16

- **Bulkhead Union Elbow:** Bulkhead union elbows connect tubes at a 90-degree angle through a wall or panel.

Tube OD (mm)	Length (mm)	Weight (kg/unit)
6	62	0.12
10	72	0.20

- **Connector NPT:** Connector NPT fittings create secure connections between tubing and threaded ports.

Tube OD (mm)	NPT Size	Length (mm)	Weight (kg/unit)
6	1/4	36	0.08
10	3/8	42	0.12

- **Male Connector NPT:** Male connectors link tubes to NPT-threaded ports, ensuring a strong connection.

Tube OD (mm)	NPT Size	Length (mm)	Weight (kg/unit)
6	1/4	38	0.09
10	3/8	45	0.15

- **Male Elbow NPT:** Male elbow NPT fittings provide a 90-degree connection to NPT-threaded ports.

Tube OD (mm)	NPT Size	Length (mm)	Weight (kg/unit)
6	1/4	40	0.11
10	3/8	50	0.18

- **Male Bulkhead Connector:** Male bulkhead connectors secure tube connections through walls with NPT-threaded fittings.

Tube OD (mm)	NPT Size	Length (mm)	Weight (kg/unit)
6	1/4	50	0.14
10	3/8	60	0.22

- **Male Branch Tee:** Male branch tees connect three tubes with one NPT-threaded branch.

Tube OD (mm)	NPT Size	Length (mm)	Weight (kg/unit)
6	1/4	42	0.12
10	3/8	52	0.20

### Why Weight Charts Are Important

Weight charts are essential for accurate planning and efficient operations. They help in:

- **Material Management:** Precise usage reduces wastage and ensures cost efficiency.
- **Project Planning:** Facilitates accurate estimations for time-sensitive projects.
- **Inventory Optimization:** Ensures smooth logistics and stock management.
- **Operational Efficiency:** Reduces downtime with detailed material specifications.

Mcneil Instruments provides detailed weight charts for all tube fittings, helping you achieve precision and efficiency in your projects.