

Weight Chart for Pipe Fittings

At [Mcneil Instruments](#), we take pride in being a leading provider of high-quality [pipe fittings](#) designed to meet the diverse needs of industries worldwide. With years of expertise, advanced manufacturing processes, and a commitment to precision, we have earned the trust of our clients for delivering products that ensure seamless operations and durability.

Pipe fittings are critical components in pipelines and systems, playing an essential role in ensuring leak-proof connections, smooth fluid flow, and adaptability in complex systems. From residential plumbing to industrial applications in oil and gas, chemical processing, and power generation, our wide range of pipe fittings is engineered to handle diverse demands efficiently.

Our product portfolio features a variety of fittings such as **couplings, plugs, tees, elbows, and buttweld fittings**, all manufactured to international standards. To facilitate accurate selection and project planning, we provide detailed **weight charts** for every product. These charts ensure precise material usage, inventory management, and cost optimization, ultimately enhancing operational efficiency.

Below is a detailed weight chart for the pipe fittings we offer, accompanied by a brief explanation of each product.

Product Details and Weight Charts

Pipe Fittings

Pipe fittings are essential for connecting, redirecting, or sealing pipes in various systems. Mcneil's pipe fittings are crafted to ensure durability, performance, and easy installation.

- **Coupling Pipe Fitting:** Couplings are used to connect two pipes of the same or different diameters, ensuring a leak-free joint.

Size (NPS)	Diameter (mm)	Weight (kg/unit)
1/2"	21.3	0.20
1"	33.4	0.35
2"	60.3	0.70

- **Plug Union:** Plug unions are designed to seal the end of a pipe, preventing fluid or gas flow.

Size (NPS)	Diameter (mm)	Weight (kg/unit)
1/2"	21.3	0.12
1"	33.4	0.22
2"	60.3	0.45

- **Cap Pipe Fitting:** Caps are used to close the ends of pipes securely, preventing contamination or leakage.

Size (NPS)	Diameter (mm)	Weight (kg/unit)
1/2"	21.3	0.14
1"	33.4	0.25
2"	60.3	0.50

- **Female Branch Tee:** Female branch tees connect three pipes, forming a T-joint, with one outlet threaded for female connections.

Size (NPS)	Diameter (mm)	Weight (kg/unit)
1/2"	21.3	0.18
1"	33.4	0.32
2"	60.3	0.60

- **Female Elbow:** Female elbows allow a 90-degree change in pipe direction, with female-threaded connections.

Size (NPS)	Diameter (mm)	Weight (kg/unit)
1/2"	21.3	0.16
1"	33.4	0.28
2"	60.3	0.55

- **Male Run Tee:** Male run tees connect three pipes, forming a T-joint, with one branch featuring a male-threaded connection.

Size (NPS)	Diameter (mm)	Weight (kg/unit)
1/2"	21.3	0.19
1"	33.4	0.35
2"	60.3	0.65

- **Female Run Tee:** Female run tees connect three pipes in a T-configuration, with all branches featuring female-threaded connections.

Size (NPS)	Diameter (mm)	Weight (kg/unit)
1/2"	21.3	0.20
1"	33.4	0.38
2"	60.3	0.70

- **Buttweld Pipe Fittings:** Buttweld fittings are welded to pipes, offering a robust and permanent connection.

Size (NPS)	Diameter (mm)	Weight (kg/unit)
1/2"	21.3	0.25
1"	33.4	0.45
2"	60.3	0.90



Conclusion

At [Mcneil Instruments](#), we are committed to providing precision-engineered pipe fittings that cater to various industrial applications. Our comprehensive weight charts ensure accurate planning, resource management, and operational efficiency, making us a trusted partner in the industry.

Why Weight Charts Are Important

Weight charts are vital for:

- **Accurate Planning:** Helps calculate material requirements for projects.
- **Logistics Management:** Ensures cost-effective transportation and storage.
- **Efficiency Optimization:** Reduces downtime with precise fittings specifications.
- **Waste Reduction:** Minimizes material wastage and associated costs.

Choose Mcneil Instruments for superior-quality pipe fittings backed by detailed specifications and reliable customer support.