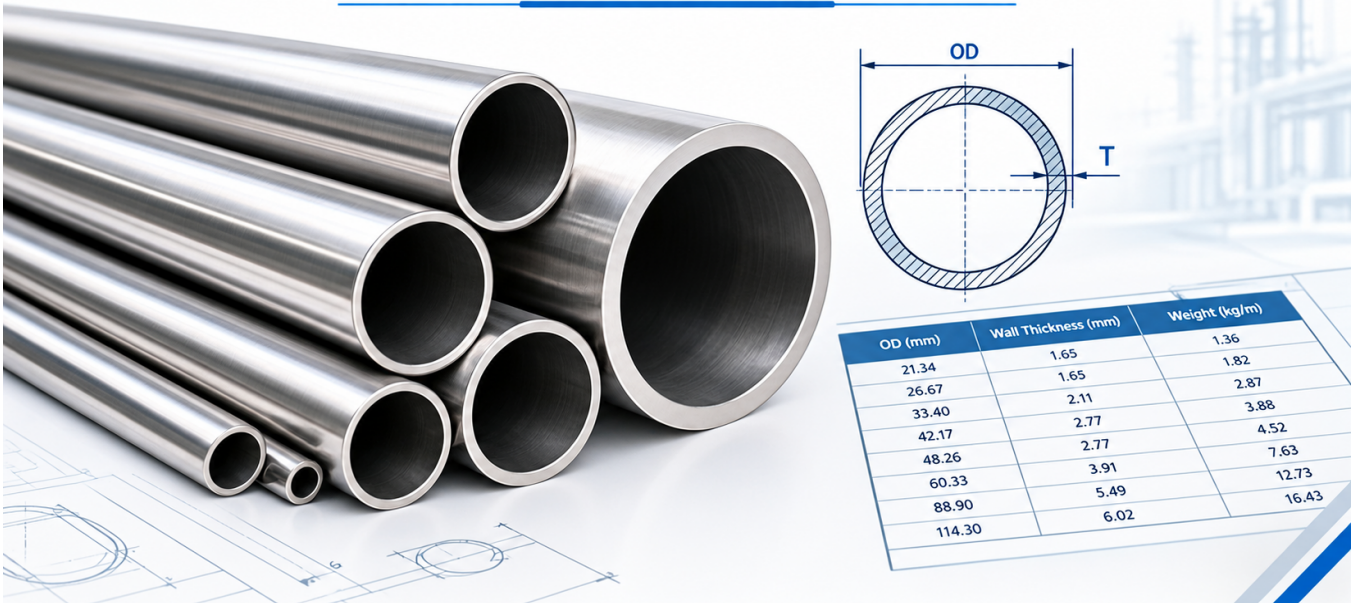


SS Pipe Weight Chart 2026



STAINLESS STEEL PIPE WEIGHT CHART 2026

Sizes • Schedules • kg/m Reference • Weight Formula • Calculator Guide

Prepared for technical reference and material estimation.

Dimensions and nominal weights should be verified against the applicable product standard and supplier dimensional data before fabrication or pressure-design decisions.

Reference standard: ASME B36.19 covers dimensions and nominal weights/masses for welded and seamless wrought stainless steel pipe. ■cite■turn0search1■

1. About the SS Pipe Weight Chart

An SS pipe weight chart is a practical reference for estimating the mass of stainless steel pipe from nominal size, outside diameter, wall thickness and schedule. It is useful for material take-offs, purchasing, transport planning, inventory control and fabrication.

Key dimensions

Parameter	Meaning
NPS / Nominal Size	Standard pipe size designation
OD	Outside diameter, normally expressed in mm
Wall Thickness	Pipe wall thickness, expressed in mm
Schedule	Standard designation associated with wall thickness
Weight	Approximate nominal mass, commonly shown as kg/m

ASME's stainless-steel pipe standard includes sections for size, wall thickness and weights/masses, and provides a table of dimensions and nominal weights for welded and seamless pipe. [Return to search results](#)

2. Stainless Steel Pipe Weight Chart 2026

Pipe Size	OD (mm)	SCH 5 kg/m	SCH 10 kg/m	SCH 40 kg/m	SCH 80 kg/m	SCH 160 kg/m	SCH XXS kg/m
1/2"	21.34	0.89	1.12	1.36	2.15	2.50	—
3/4"	26.67	1.14	1.38	1.82	2.94	3.75	—
1"	33.40	1.73	2.00	2.87	4.80	6.21	7.85
1-1/4"	42.17	2.33	2.62	3.88	6.56	8.39	10.75
2"	60.33	4.25	4.90	7.63	12.73	15.99	18.85
4"	114.30	8.23	9.80	16.43	33.04	41.20	50.25
10"	273.05	25.60	31.90	64.50	149.45	182.85	208.62

Important: The table above is a compact reference using the values supplied for this guide. For purchasing, engineering design or compliance work, verify the exact size, schedule and nominal mass against the applicable edition of the relevant standard and the manufacturer's data. ASME B36.19-2022 is the current standard page identified in ASME's catalog for welded and seamless wrought stainless steel pipe. ■cite■turn0search1■

3. SS Pipe Weight Formula

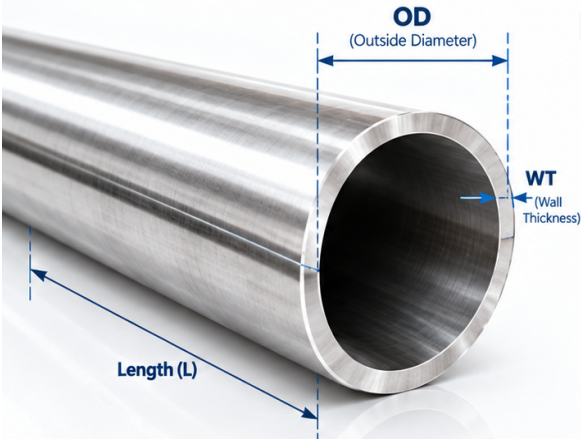
$$\text{Approximate weight (kg/m)} = 0.02466 \times T \times (\text{OD} - T)$$

Where OD is the outside diameter in millimetres and T is the wall thickness in millimetres. For a required length, multiply the weight per metre by the total length in metres.

Input	Value
Outside Diameter	60 mm
Wall Thickness	5 mm
Length	10 m
Approx. weight per metre	6.78 kg/m
Approx. total weight	67.8 kg

Note: This formula is a practical estimation method. Actual mass can vary with material density, dimensional tolerances, manufacturing method and the governing product specification.

SS Pipe Weight Calculator 2026



Weight Calculation Formula

$$\text{Weight (kg/m)} = 0.02466 \times T \times (\text{OD} - T)$$

OD = Outside Diameter (mm)
T = Wall Thickness (mm)
L = Length (m)

Example
OD = 60 mm
T = 5 mm
L = 10 m
Weight per metre = $0.02466 \times 5 \times (60 - 5)$
= 6.78 kg/m
Total Weight = 6.78×10
= 67.8 kg

Calculate Pipe Weight

Outer Diameter (OD) in mm

Wall Thickness (T) in mm

Length (L) in m

[Calculate Weight](#)

[Get Detailed Chart](#)
Download SS Pipe Weight Chart PDF

Accurate Weight Estimation

Supports All Schedules

SS 304 & SS 316 Grades

Easy to Use Calculator

PDF Download Available



4. SS 304 and SS 316 Pipe Reference

Grade	Typical use areas	Weight consideration
SS 304	General industrial, food processing, fabrication, construction	Dimensions primarily determine kg/m
SS 316	Marine, chemical, pharmaceutical and chloride-exposure environments	Dimensions primarily determine kg/m
SS 304L	Welded fabrication and applications requiring low-carbon grade	Use actual dimensions for weight
SS 316L	Welded and corrosion-sensitive applications	Use actual dimensions for weight

For the same outside diameter and wall thickness, pipe mass is governed mainly by the cross-sectional dimensions and material density. Grade selection should therefore be based on the service environment and project specification rather than weight alone.

5. Practical Use of the Weight Chart

- **Procurement:** estimate total material mass before issuing purchase requirements.
- **Logistics:** estimate shipment weight for handling and transport planning.
- **Inventory:** convert stocked pipe lengths into approximate mass.
- **Fabrication:** plan lifting and handling requirements.
- **Costing:** combine estimated mass with the applicable commercial price per kg.
- **Engineering:** use verified dimensional data when calculations are part of a design or compliance activity.

6. SS Pipe Price Factors in 2026

There is no single universal SS pipe price per kg. Commercial pricing can vary with stainless steel grade, size, schedule, seamless or welded construction, surface finish, quantity, inspection requirements, certification, freight and prevailing alloy-market conditions. A project quotation should therefore state the exact grade, OD/NPS, wall thickness or schedule, length, quantity, standard and delivery location.

7. Frequently Asked Questions

What is an SS pipe weight chart?

It is a reference table showing approximate stainless steel pipe mass for specified sizes, wall thicknesses and schedules.

How is SS pipe weight calculated?

A commonly used approximation is $0.02466 \times T \times (OD - T)$, giving kg/m when OD and T are in millimetres.

Does schedule affect pipe weight?

Yes. A greater wall thickness generally increases the amount of metal per metre and therefore increases mass.

What is the weight of a 2-inch SS pipe?

It depends on the schedule and wall thickness. For example, the compact reference table lists 7.63 kg/m for 2-inch SCH 40.

Are SS 304 and SS 316 pipe weights the same?

For identical dimensions, their calculated masses are close, but exact values depend on the density used and actual dimensions.

Can I calculate custom-size pipe weight?

Yes. Use the OD, wall thickness and length with the calculation formula or an appropriate metal-weight calculator.

Why is pipe weight important?

It supports purchasing, transport, inventory, handling and material-cost estimation.

Is a weight chart enough for pressure design?

No. Pressure and mechanical design require the applicable standard, design conditions, material properties and engineering calculations.

Where can I verify stainless steel pipe dimensions?

ASME B36.19 is a key dimensional reference for welded and seamless wrought stainless steel pipe.

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Can I use this PDF for purchasing?

Use it as a quick reference, then confirm the exact dimensions and nominal mass with the applicable standard and supplier documentation.

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