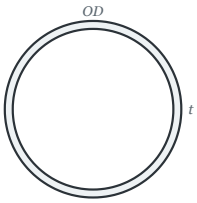
Seamless Steel Pipe

OMEGA STEEL CO.
Istanbul · Dilovası plant

Hot-finished and cold-drawn seamless carbon steel pipe and tube: ASTM A106 Grade B / A53 Type S, API 5L Grade B PSL1, EN 10216-1 (P235TR1/TR2, P265TR2), EN 10216-2 (P235GH, P265GH, 16Mo3 boiler and pressure tubes), EN 10210 S355J2H structural, and EN 10305-1 cold-drawn precision tubes; ½" to 24" (21.3–610 mm), Schedule 40, 80, 160, XS/XXS and metric walls to 60 mm; bevelled ends, black or galvanized; from stock in Dilovası with EN 10204 3.1/3.2 for boilers, refineries, power plants, hydraulics, mechanical engineering and pipelines.

A106 Gr B · API 5L · EN 10216 | ½" – 24" · Sch 40 – 160 | P235GH · P265GH · 16Mo3 | Hot-finished · cold-drawn | 3.1 · 3.2 · PED



3" · 88.9 × 4 mm

Where the specification says A106, EN 10216, API 5L or "seamless", welded pipe is not accepted — and we stock the seamless range: ½" to 12" Sch 40/80 A106 Gr B / P235GH from stock, larger sizes and heavy schedules to 24" on order, boiler tubes P235GH/16Mo3, structural S355J2H and precision cold-drawn tubes. Bevelled, cut, tested and certified 3.1 or 3.2 for boilers, process plants, hydraulics and oil & gas.

STANDARDS AND GRADES

Standard	Grade	Yield / tensile (MPa)	Service	Typical use
ASTM A106	Grade B (C)	240 / 415	High temperature to 425 °C	Refineries, power, steam, process (most stock)
ASTM A53	Type S Gr. B	240 / 415	General pressure	Dual-certified with A106 B
API 5L	Grade B PSL1 / X42–X65	245–450 / 415–535	Line pipe	Oil, gas and water pipelines
EN 10216-1	P235TR2 / P265TR2	235–265 / 360–500	Pressure, room temp., impact −20 °C	Process, pressure lines (EU / PED)
EN 10216-2	P235GH / P265GH	235–265 / 360–530	Elevated temperature to 400 °C	Boilers, superheaters, steam (PED)
EN 10216-2	16Mo3 / 13CrMo4-5	275–290 / 440–590	To 500–550 °C	Boilers, hot-oil, petrochemical
EN 10210-1	S355J2H	355 / 470–630	Structural, hot-finished	Piles, structures, cranes
EN 10305-1	E235 / E355 +C / +N	235–355	Precision, cold-drawn	Hydraulic cylinders, machinery, automotive

SIZES: STOCKED SCHEDULES

NPS	OD (mm)	Wall (mm)	kg/m
½"	21.3	2	0.95
½"	21.3	7.1	2.49
¾"	26.9	2.3	1.4
¾"	26.9	6.3	3.2
1"	33.7	2.6	1.99
1"	33.7	7.1	4.66
1¼"	42.4	3.2	3.09
1½"	48.3	3.2	3.56
1½"	48.3	9.53	9.11
2"	60.3	3.6	5.03
2"	60.3	9.53	11.93
2½"	76.1	3.6	6.44
3"	88.9	4	8.38
4"	114.3	4.5	12.19

First 14 of 19 rows — the full table is on the product page.

EN 10216-1/2 (P235TR2, P235GH) and ASTM A106 Gr. B; other schedules on mill order.

SCHEDULE CHART — OD, WALL AND WEIGHT

NPS	OD (mm)	Sch 40 wall / kg/m	Sch 80 wall / kg/m	Sch 160 wall / kg/m	XXS wall / kg/m
½"	21.3	2.77 / 1.27	3.73 / 1.62	4.78 / 1.95	7.47 / 2.55
¾"	26.7	2.87 / 1.69	3.91 / 2.20	5.56 / 2.90	7.82 / 3.64
1"	33.4	3.38 / 2.50	4.55 / 3.24	6.35 / 4.24	9.09 / 5.45

NPS	OD (mm)	Sch 40 wall / kg/m	Sch 80 wall / kg/m	Sch 160 wall / kg/m	XXS wall / kg/m
1½"	48.3	3.68 / 4.05	5.08 / 5.41	7.14 / 7.25	10.15 / 9.55
2"	60.3	3.91 / 5.44	5.54 / 7.48	8.74 / 11.1	11.07 / 13.4
3"	88.9	5.49 / 11.3	7.62 / 15.3	11.13 / 21.3	15.24 / 27.7
4"	114.3	6.02 / 16.1	8.56 / 22.3	13.49 / 33.5	17.12 / 41.0
6"	168.3	7.11 / 28.3	10.97 / 42.6	18.26 / 67.6	21.95 / 79.2
8"	219.1	8.18 / 42.6	12.70 / 64.6	23.01 / 111	22.23 / 108
10"	273.0	9.27 / 60.3	15.09 / 96.0	28.58 / 172	25.40 / 155
12"	323.9	10.31 / 79.7	17.48 / 132	33.32 / 239	25.40 / 187
16"	406.4	12.70 / 123	21.44 / 204	40.49 / 365	—
20"	508.0	15.09 / 183	26.19 / 311	50.01 / 565	—
24"	610.0	17.48 / 255	30.96 / 442	59.54 / 808	—

ERW VS SEAMLESS

	Seamless	ERW welded
Weld	None	HF seam, heat-treated
Pressure / temperature	High; ASME B31 without joint factor	Moderate; joint efficiency 0.85–1.0 by code
Wall range	2–60 mm, heavy schedules	1.5–12 mm
Wall uniformity	±12.5%, some eccentricity	±10%, very even
Sizes	⅛"–24" (larger on request)	½"–24"
Cost	1.25–1.60	1.00
Specify for	Boilers, refineries, hydraulics, sour/high-pressure gas, A106/EN 10216 specs	Water, fire, structures, low-pressure gas, A53/EN 10255/EN 10219 specs

STANDARDS

ASTM A106 / A106M Grade B (high-temperature service) · ASTM A53 Type S · API 5L Grade B PSL1/PSL2 · EN 10216-1 (P235TR1/TR2, P265TR2) · EN 10216-2 (P235GH, P265GH, 16Mo3, 13CrMo4-5) · EN 10210-1 (S355J2H hot-finished structural) · EN 10305-1 (cold-drawn precision tubes E235, E355) · ASME B36.10M (schedules)