

4. ArcelorMittal Jubail of Saudi Arabia

4.1 Mill Overview

The following is intended to be an overview only, details can be found in subsequent pages herein, based on quantity, grade and size. Final commitment shall be mutually discussed and agreed prior to order placement.

- Type : Non-Integrated
- Manufacturing facilities : “Premium Quality Finishing (PQF®)” by SMS Meer Germany
- Dimension : 60.3mm to 355.6 (406.4)mm
- Thickness range : 5.16mm - 35.75mm
- Capacity : 600,000mt per year
 - Heat Treatment Capacity: 350 000 t/year
 - OCTG Finishing Capacity: 370 000 t/year
- Port of Export :
 - Jubail Port, S. Arabia (approx 25km)
 - Dammam Port, S. Arabia (approx 100km)
- Cargo : Container or Breakbulk* possibility
- Length (Min / Max) : 6 to 14.65m subjected to size of pipe
- Length Tolerance : Mill standard -0 / +100mm (+/-50mm)
- Delivery Tolerance : -0 / +3pcs per item
- Minimum Order Quantity per size : 25mt
- Minimum Order Quantity per PO : 250mt
- Bundling: Max 5mt for pipes ≤ 177.8.3mm. Pipes > 168.3 shall be supplied loose.
- Peripherals Facilities : Threading

* MOQ 2,000mt

4.2 Grades

| Grade | Standard | Size | | Remarks |
|--|--|--|---|--|
| | | OD (mm) | WT (mm) | |
| Ordinary Pipes Grade A, B, C | ASTM A53 / ASME SA53 ASTM A106 / ASME SA106 | 114.3 to 355.6 | 5.16 to 35.75 | Ordinary steam, water, gas, and air lines |
| Low Temp Pipes Grade 1,3, 6 | ASTM A333 ASME SA333 | 114.3 to 355.6 | 5.16 to 35.75 | |
| Boiler Pipes P1, P11, P12, P22 | ASTM 335 ASME SA335 | 114.3 to 355.6 | 5.16 to 35.75 | PED 97 / 23 /EC certification |
| Line pipe B, X42, X46, X52, X56, X60, X65, X70 | API 5L PSL1, 2 ISO 3183 | 114.3 to 355.6 | 5.16 to 35.75 | See API monogram for grade details Suitable for Sour / Offshore |
| Line pipe L245GA, L290GA, L360GA | EN 10208-1 | 114.3 to 355.6 | 5.16 to 35.75 | |
| Line pipe L245NB, L290NB, L360NB, L360Q, L415Q, L450Q, L485Q | EN 10208-2 | 114.3 to 355.6 | 5.16 to 35.75 | |
| Casing H40, J55, K55, M65, L80, R95, N80- Q, N80-1, C90, T95, C110, P110, Q125 | API 5CT PSL 1,2 | 114.3 to 339.72 (4 1/2" to 13 3/8") | 5.21 to 35.75 (9.5 ppf to 86.0 ppf) | See API monogram for PSL no. |
| Tubing H40, J55, L80, R95, N80-Q L80-1, C95, T95 P110 | API 5CT | 60.32 to 114.30 (2 3/8" to 4 1/2") | 4.24 to 16.00 (4.70 ppf to 12.95 ppf) | See API monogram for PSL no. |
| Boiler Pipes 10CrMo5-5, 10CrMo9-10, 16Mo3 P235GH / NH / NL, P265GH / NH / NL | EN10216-2 | 114.3 to 355.6 | 5.16 to 35.75 | PED 97 / 23 /EC certification TC1, TC2 |
| Hollow Sections S275JOH, J2H, S355JOH, J2H | EN10210-1 | 114.3 to 355.6 | 5.16 to 35.75 | FPC |
| Hollow Sections E 235; E 275; E 355 | EN10297-1 | 114.3 to 355.6 | 5.16 to 35.75 | |
| Hollow Sections P235 TR1; TR2; P265 TR1; TR2 | EN10216-1 | 114.3 to 355.6 | 5.16 to 35.75 | |
| Offshore Structural S355G1+N, G14+N, G15+N | EN10225 | 114.3 to 355.6 | 5.16 to 35.75 | |

*End finishes include: P- plain end, S- short round thread, L-long round thread, B-butress thread

4.3 Size Range per Product

Table 1 & 2

OCTG Application

- API 5CT - Casing

Table 3

OCTG Application

- API 5CT - Tubing

Table 4 to 6

Line pipe & Structural Application

- API 5L
- ISO 3183
- EN10208
- EN10210
- EN10225

Table 7 to 9

Boiler & Process

- ASTM A 53
- ASTM A 106
- ASTM A 333 (Gr. 1, 3, 6)
- ASTM A 335 (P1, P11, P12, P22)
- EN10216
- EN10297

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Table 1 - API 5CT - Casing



Size, Range & Grade for API 5CT - Casing

| Outside Diameter | | Wall Thickness | | Nominal Weight of Threaded Pipe with Coupling | | Available Length | Available End Finishes P = Plain End; S = Short Thread; L = Long Thread; B = Buttress Thread | | | | | | | | | |
|------------------|--------|----------------|-------|---|------------|------------------|---|------------|------------|---------|----------------|---------|---------|---------|---------|---------|
| INCH | MM | INCH | MM | PPF | KG. / MTR. | Range | H40 | J55 K55 | M65 | L80 R95 | N80-Q & Type 1 | C90 T95 | C110 | P110 | Q125 | |
| 4 1/2 | 114.30 | 0.205 | 5.21 | 9.50 | 14.15 | R-3 | P, S | P, S | P, S | | | | | | | |
| | | 0.224 | 5.69 | 10.50 | 15.64 | R-3 | | P, S, B | P, S, B | | | | | | | |
| | | 0.250 | 6.35 | 11.60 | 17.28 | R-3 | | P, S, L, B | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.290 | 7.37 | 13.50 | 20.11 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.337 | 8.56 | 15.10 | 22.49 | R-3 | | | | | | | | | P, L, B | P, L, B |
| 5 | 127.00 | 0.220 | 5.59 | 11.50 | 17.13 | R-3 | | P, S | P, S | | | | | | | |
| | | 0.253 | 6.43 | 13.00 | 19.36 | R-3 | | P, S, L, B | P, S, L, B | | | | | | | |
| | | 0.296 | 7.52 | 15.00 | 22.34 | R-3 | | P, S, L, B | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.362 | 9.19 | 18.00 | 26.81 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B | |
| | | 0.437 | 11.10 | 21.40 | 31.88 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B | |
| | | 0.478 | 12.14 | 23.20 | 34.56 | R-3 | | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B |
| | | 0.500 | 12.70 | 24.10 | 35.90 | R-3 | | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B |
| | | 0.500 | 12.70 | 24.10 | 35.90 | R-3 | | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B |
| 5 1/2 | 139.70 | 0.244 | 6.20 | 14.00 | 20.85 | R-3 | P, S | P, S | P, S | | | | | | | |
| | | 0.275 | 6.99 | 15.50 | 23.09 | R-3 | | P, S, L, B | P, S, L, B | | | | | | | |
| | | 0.304 | 7.72 | 17.00 | 25.32 | R-3 | | P, S, L, B | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.361 | 9.17 | 20.00 | 29.79 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.415 | 10.54 | 23.00 | 34.26 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.500 | 12.70 | 26.80 | 39.92 | R-3 | | | | | | | P | P, B | | P, L, B |
| | | 0.562 | 14.27 | 29.70 | 44.24 | R-3 | | | | | | | P | P, B | | |
| | | 0.625 | 15.88 | 32.60 | 48.56 | R-3 | | | | | | | P | P, B | | |
| | | 0.687 | 17.45 | 35.30 | 52.58 | R-3 | | | | | | | P | P, B | | |
| | | 0.750 | 19.05 | 38.00 | 56.60 | R-3 | | | | | | | P | P, B | | |
| | | 0.812 | 20.62 | 40.50 | 60.32 | R-3 | | | | | | | P | P, B | | |
| | | 0.875 | 22.23 | 43.10 | 64.20 | R-3 | | | | | | | P | P, B | | |
| 6 5/8 | 168.28 | 0.288 | 7.32 | 20.00 | 29.79 | R-3 | P, S | P, S, L, B | P, S, L, B | | | | | | | |
| | | 0.352 | 8.94 | 24.00 | 35.75 | R-3 | | P, S, L, B | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.417 | 10.59 | 28.00 | 41.71 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.475 | 12.07 | 32.00 | 47.66 | R-3 | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B | |
| 7 | 177.80 | 0.272 | 6.91 | 20.00 | 29.79 | R-3 | P, S | P, S | P, S | | | | | | | |
| | | 0.317 | 8.05 | 23.00 | 34.26 | R-3 | | P, S, L, B | P, L, B | P, L, B | P, L, B | P, L, B | | | | |
| | | 0.362 | 9.19 | 26.00 | 38.73 | R-3 | | P, S, L, B | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.408 | 10.36 | 29.00 | 43.20 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.453 | 11.51 | 32.00 | 47.66 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.498 | 12.65 | 35.00 | 52.13 | R-3 | | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B |
| | | 0.540 | 13.72 | 38.00 | 56.60 | R-3 | | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B |
| | | 0.625 | 15.88 | 42.70 | 63.60 | R-3 | | | | | | | P | P, B | | |
| | | 0.687 | 17.45 | 46.40 | 69.11 | R-3 | | | | | | | P | P, B | | |
| | | 0.750 | 19.05 | 50.10 | 74.62 | R-3 | | | | | | | P | P, B | | |
| | | 0.812 | 20.62 | 53.60 | 79.84 | R-3 | | | | | | | P | P, B | | |
| | | 0.875 | 22.23 | 57.10 | 85.05 | R-3 | | | | | | | P | P, B | | |
| 7 5/8 | 193.68 | 0.300 | 7.62 | 24.00 | 35.75 | R-3 | P, S | | | | | | | | | |
| | | 0.328 | 8.33 | 26.40 | 39.32 | R-3 | | P, S, L, B | P, S, L, B | P, L, B | P, L, B | P, L, B | P, B | | | |
| | | 0.375 | 9.53 | 29.70 | 44.24 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.430 | 10.92 | 33.70 | 50.20 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.500 | 12.70 | 39.00 | 58.09 | R-3 | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B | |

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Table 2 - API 5CT - Casing



Size, Range & Grade for API 5CT - Casing

| Outside Diameter | | Wall Thickness | | Nominal Weight of Threaded Pipe with Coupling | | Available Length | Available End Finishes P = Plain End; S = Short Thread; L = Long Thread; B = Buttress Thread | | | | | | | | | |
|------------------|--------|----------------|-------|---|------------|------------------|---|------------|------------|---------|----------------|---------|---------|---------|---------|---------|
| INCH | MM | INCH | MM | PPF | KG. / MTR. | Range | H40 | J55 K55 | M65 | L80 R95 | N80-Q & Type 1 | C90 T95 | C110 | P110 | Q125 | |
| | | 0.562 | 14.27 | 42.80 | 63.75 | R-3 | | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B |
| | | 0.595 | 15.11 | 45.30 | 67.47 | R-3 | | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B |
| | | 0.625 | 15.88 | 47.10 | 70.16 | R-3 | | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B |
| | | 0.687 | 17.45 | 51.20 | 76.26 | R-3 | | | | | | P | P, B | | | |
| | | 0.750 | 19.05 | 55.30 | 82.37 | R-3 | | | | | | P | P, B | | | |
| 8 5/8 | 219.08 | 0.264 | 6.71 | 24.00 | 35.75 | R-3 | | P, S | P, S | | | | | | | |
| | | 0.304 | 7.72 | 28.00 | 41.71 | R-3 | P, S | | P, S | | | | | | | |
| | | 0.352 | 8.94 | 32.00 | 47.66 | R-3 | P, S | P, S, L, B | P, S, L, B | | | | | | | |
| | | 0.400 | 10.16 | 36.00 | 53.62 | R-3 | | P, S, L, B | P, S, L, B | P, L, B | P, L, B | P, L, B | P, B | | | |
| | | 0.450 | 11.43 | 40.00 | 59.58 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.500 | 12.70 | 44.00 | 65.54 | R-3 | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.557 | 14.15 | 49.00 | 72.99 | R-3 | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B | |
| 9 5/8 | 244.48 | 0.312 | 7.92 | 32.30 | 48.11 | R-3 | P, S | | | | | | | | | |
| | | 0.352 | 8.94 | 36.00 | 53.62 | R-3 | P, S | P, S, L, B | P, S, L, B | | | | | | | |
| | | 0.395 | 10.03 | 40.00 | 59.58 | R-3 | | P, S, L, B | P, S, L, B | P, L, B | P, L, B | P, L, B | P, B | | | |
| | | 0.435 | 11.05 | 43.50 | 64.79 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | | |
| | | 0.472 | 11.99 | 47.00 | 70.01 | R-3 | | | P, L, B | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B | |
| | | 0.545 | 13.84 | 53.50 | 79.69 | R-3 | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B | |
| | | 0.595 | 15.11 | 58.40 | 86.99 | R-3 | | | | P, L, B | P, L, B | P, L, B | P, B | P, L, B | P, L, B | |
| | | 0.609 | 15.47 | 59.40 | 88.48 | R-3 | | | | | | P | P, B | | | |
| | | 0.672 | 17.07 | 64.90 | 96.67 | R-3 | | | | | | P | P, B | | | |
| | | 0.734 | 18.64 | 70.30 | 104.71 | R-3 | | | | | | P | P, B | | | |
| | | 0.797 | 20.24 | 75.60 | 112.61 | R-3 | | | | | | P | P, B | | | |
| 10 3/4 | 273.05 | 0.350 | 8.89 | 40.50 | 60.32 | R-3 | P, S | P, S, B | P, S, B | | | | | | | |
| | | 0.400 | 10.16 | 45.50 | 67.77 | R-3 | | P, S, B | P, S, B | | | | | | | |
| | | 0.450 | 11.43 | 51.00 | 75.96 | R-3 | | P, S, B | P, S, B | P, S, B | P, S, B | P, S, B | P, B | P, S, B | | |
| | | 0.495 | 12.57 | 55.50 | 82.67 | R-3 | | | P, S, B | P, S, B | P, S, B | P, S, B | P, B | P, S, B | | |
| | | 0.545 | 13.84 | 60.70 | 90.41 | R-3 | | | | | | P, S, B | P, B | P, S, B | P, S, B | P, S, B |
| | | 0.595 | 15.11 | 65.70 | 97.86 | R-3 | | | | | | P, S, B | P, B | P, S, B | P, S, B | P, S, B |
| | | 0.672 | 17.07 | 73.20 | 109.03 | R-3 | | | | | | P | P, B | | | |
| | | 0.734 | 18.64 | 79.20 | 117.97 | R-3 | | | | | | P | P, B | | | |
| | | 0.797 | 20.24 | 85.30 | 127.05 | R-3 | | | | | | P | P, B | | | |
| 11 3/4 | 298.45 | 0.333 | 8.46 | 42.00 | 62.56 | R-3 | P, S | | | | | | | | | |
| | | 0.375 | 9.53 | 47.00 | 70.01 | R-3 | | P, S, B | P, S, B | | | | | | | |
| | | 0.435 | 11.05 | 54.00 | 80.43 | R-3 | | P, S, B | P, S, B | | | | | | | |
| | | 0.489 | 12.42 | 60.00 | 89.37 | R-3 | | P, S, B | P, S, B | P, S, B | P, S, B | P, S, B | P, B | P, S, B | P, S, B | |
| | | 0.534 | 13.56 | 65.00 | 96.82 | R-3 | | | | P | P | P | P, B | P | P | |
| | | 0.582 | 14.78 | 71.00 | 105.75 | R-3 | | | | P | P | P | P, B | P | P | |
| 13 3/8 | 339.72 | 0.330 | 8.38 | 48.00 | 71.50 | R-3 | P, S | P, S, B | P, S, B | | | | | | | |
| | | 0.380 | 9.65 | 54.50 | 81.18 | R-3 | | P, S, B | P, S, B | | | | | | | |
| | | 0.430 | 10.92 | 61.00 | 90.86 | R-3 | | P, S, B | P, S, B | | | | | | | |
| | | 0.480 | 12.19 | 68.00 | 101.29 | R-3 | | P, S, B | P, S, B | P, S, B | P, S, B | P, S, B | P, B | P, S, B | | |
| | | 0.514 | 13.06 | 72.00 | 107.24 | R-3 | | | | P, S, B | P, S, B | P, S, B | P, B | P, S, B | P, S, B | |
| | | 0.514 | 13.06 | 86.00 | 128.10 | R-3 | | | | P | | P | | P | P | |

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Table 3 - API 5CT - Tubing



Size, Range & Grade for API 5CT - Tubing

| Outside Diameter | | Wall Thickness | | Nominal Weight of Threaded Pipe with Coupling | | | | Available Length | Available End Finishes P = Plain End; N = Non-Upset Threaded and Coupled; U = External Upset Threaded and Coupled | | | | | | |
|------------------|--------|----------------|-------|---|------------|--------------------|------------|------------------|--|---------|---------|---------|---------|---------|---------|
| | | | | Non Upset T&C | | External Upset T&C | | | Range | H40 | J55 | L80 R95 | N80-Q & | C90 | T95 |
| INCH | MM | INCH | MM | PPF | KG. / MTR. | PPF | KG. / MTR. | | | | | | | | |
| 2 3/8 | 60.32 | 0.167 | 4.24 | 4.00 | 5.96 | | | R-2 | P, N | P, N | P, N | P, N | P, N | P, N | |
| | | 0.190 | 4.83 | 4.60 | 6.85 | 4.70 | 6.99 | R-2 | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U |
| | | 0.254 | 6.45 | 5.80 | 8.64 | 5.95 | 8.85 | R-2 | | | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U |
| | | 0.295 | 7.49 | 6.60 | 9.83 | | | R-2 | | | P | | P | P | |
| 2 7/8 | 73.02 | 0.217 | 5.51 | 6.40 | 9.53 | 6.50 | 9.67 | R-2 | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U |
| | | 0.276 | 7.01 | 7.80 | 11.62 | 7.90 | 11.76 | R-2 | | | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U |
| | | 0.308 | 7.82 | 8.60 | 12.81 | 8.70 | 12.95 | R-2 | | | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U |
| | | 0.340 | 8.64 | 9.35 | 13.93 | 9.45 | 14.06 | R-2 | | | P, U | | P, U | P, U | |
| | | 0.392 | 9.96 | 10.50 | 15.64 | | | R-2 | | | P | | P | P | |
| | | 0.440 | 11.18 | 11.50 | 17.13 | | | R-2 | | | P | | P | P | |
| 3 1/2 | 88.90 | 0.216 | 5.49 | 7.70 | 11.47 | | | R-2 | P, N | P, N | P, N | P, N | P, N | P, N | |
| | | 0.254 | 6.45 | 9.20 | 13.70 | 9.30 | 13.84 | R-2 | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U |
| | | 0.289 | 7.34 | 10.20 | 15.19 | | | R-2 | P, N | P, N | P, N | P, N | P, N | P, N | |
| | | 0.375 | 9.52 | 12.70 | 18.92 | 12.95 | 19.27 | R-2 | | | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U |
| | | 0.430 | 10.92 | 14.30 | 21.30 | | | R-2 | | | P | | P | P | |
| | | 0.476 | 12.09 | 15.50 | 23.09 | | | R-2 | | | P | | P | P | |
| 4 | 101.60 | 0.226 | 5.74 | 9.50 | 14.15 | | | R-2 | P, N | P, N | P, N | P, N | P, N | P, N | |
| | | 0.262 | 6.65 | 10.70 | 15.94 | 11.00 | 16.37 | R-2 | P, U | P, U | P, U | P, U | P, U | P, U | |
| | | 0.330 | 8.38 | 13.20 | 19.66 | | | R-2 | | | P | | P | P | |
| | | 0.415 | 10.54 | 16.10 | 23.98 | | | R-2 | | | P | | P | P | |
| | | 0.500 | 12.70 | 18.90 | 28.15 | | | R-2 | | | P | | P | P | |
| | | 0.610 | 15.49 | 22.20 | 33.07 | | | R-2 | | | P | | P | P | |
| 4 1/2 | 114.30 | 0.271 | 6.88 | 12.60 | 18.77 | 12.75 | 18.97 | R-2 | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U | P, N, U | |
| | | 0.337 | 8.56 | 15.20 | 22.64 | | | R-2 | | | P | | P | P | |
| | | 0.380 | 9.65 | 17.00 | 25.32 | | | R-2 | | | P | | P | P | |
| | | 0.430 | 10.92 | 18.90 | 28.15 | | | R-2 | | | P | | P | P | |
| | | 0.500 | 12.70 | 21.50 | 32.02 | | | R-2 | | | P | | P | P | |
| | | 0.560 | 14.22 | 23.70 | 35.30 | | | R-2 | | | P | | P | P | |
| | | 0.630 | 16.00 | 26.10 | 38.88 | | | R-2 | | | P | | P | P | |

Jubail
Table 4 - API 5L & Structural



Size, Range & Grade for API 5L & Structural

| NPS | Nominal Size | Outside Diameter | | Wall Thickness | | Weight (Plain End) | | Schedule | Non-Schedule | Length | | PSL1 | | PSL2 | |
|-------|--------------|------------------|-------|----------------|-------|--------------------|-----------|----------|--------------|-----------|----------|------------|------------|------------|---------------------|
| | | INCH | MM | INCH | MM | PPF | KG. / MTR | | | Max Mtrs. | Fixed mm | Hot Rolled | Hot Rolled | Normalized | Quenched & Tempered |
| 4 | 4 1/2 | 4.500 | 114.3 | 0.203 | 5.16 | 9.32 | 13.89 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.219 | 5.56 | 10.01 | 14.91 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.237 | 6.02 | 10.79 | 16.08 | 40 | STD | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.250 | 6.35 | 11.35 | 16.91 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.281 | 7.14 | 12.67 | 18.87 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.312 | 7.92 | 13.95 | 20.78 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.337 | 8.56 | 14.99 | 22.32 | 80 | XS | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.375 | 9.52 | 16.52 | 24.60 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.438 | 11.13 | 19.01 | 28.32 | 120 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.500 | 12.70 | 21.36 | 31.82 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.531 | 13.49 | 22.52 | 33.54 | 160 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| 5 | 5 9/16 | 5.563 | 141.3 | 0.203 | 5.16 | 11.63 | 17.32 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.219 | 5.56 | 12.50 | 18.61 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.250 | 6.35 | 14.19 | 21.13 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.258 | 6.55 | 14.61 | 21.77 | 40 | STD | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.281 | 7.14 | 15.86 | 23.62 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.312 | 7.92 | 17.49 | 26.05 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.344 | 8.74 | 19.18 | 28.57 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.375 | 9.52 | 20.77 | 30.94 | 80 | XS | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.438 | 11.13 | 23.99 | 35.73 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.500 | 12.70 | 27.04 | 40.28 | 120 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.562 | 14.27 | 30.01 | 44.70 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| 6 | 6 5/8 | 6.625 | 168.3 | 0.250 | 6.35 | 17.03 | 25.36 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.280 | 7.11 | 18.98 | 28.26 | 40 | STD | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.312 | 7.92 | 21.03 | 31.33 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.344 | 8.74 | 23.09 | 34.39 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.375 | 9.53 | 25.05 | 37.31 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.432 | 10.97 | 28.58 | 42.56 | 80 | XS | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.438 | 11.13 | 28.96 | 43.14 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.500 | 12.70 | 32.72 | 48.73 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.562 | 14.27 | 36.39 | 54.21 | 120 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.625 | 15.88 | 40.07 | 59.69 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.688 | 17.48 | 43.65 | 65.02 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| 0.719 | 18.26 | 45.36 | 67.57 | 160 | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 0.750 | 19.05 | 47.07 | 70.12 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 0.864 | 21.95 | 53.19 | 79.22 | ... | XXS | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 0.875 | 22.23 | 53.76 | 80.08 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 0.938 | 23.83 | 57.00 | 84.90 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 1.000 | 25.40 | 60.10 | 89.51 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |

Jubail
Table 5 - API 5L & Structural



Size, Range & Grade for API 5L & Structural

| NPS | Nominal Size | | Outside Diameter | | Wall Thickness | | Weight (Plain End) | | Schedule | Non-Schedule | Length | | PSL1 | | PSL2 | |
|-------|--------------|--------|------------------|-------|----------------|-------|--------------------|-----------|----------|--------------|-----------|----------|------------|------------|------------|---------------------|
| | INCH | INCH | INCH | MM | INCH | MM | PPF | KG. / MTR | | | Max Mtrs. | Fixed mm | Hot Rolled | Hot Rolled | Normalized | Quenched & Tempered |
| 8 | 8 5/8 | 8.625 | 219.1 | 0.250 | 6.35 | 22.37 | 33.32 | 20 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.277 | 7.04 | 24.72 | 36.82 | 30 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.312 | 7.92 | 27.69 | 41.25 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.322 | 8.18 | 28.57 | 42.55 | 40 | STD | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.344 | 8.74 | 30.44 | 45.34 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.375 | 9.53 | 33.07 | 49.25 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.406 | 10.31 | 35.64 | 53.09 | 60 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.438 | 11.13 | 38.32 | 57.08 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.500 | 12.70 | 43.40 | 64.64 | 80 | XS | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.562 | 14.27 | 48.39 | 72.08 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.594 | 15.09 | 50.97 | 75.92 | 100 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.625 | 15.88 | 53.43 | 79.59 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.688 | 17.48 | 58.35 | 86.91 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.719 | 18.26 | 60.72 | 90.44 | 120 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.750 | 19.05 | 63.10 | 93.98 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.812 | 20.62 | 67.76 | 100.93 | 140 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| 0.844 | 21.44 | 70.17 | 104.51 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | | |
| 0.875 | 22.23 | 72.46 | 107.93 | ... | XXS | 14 | + / - 50 | Y | Y | Y | Y | | | | | |
| 0.906 | 23.01 | 74.71 | 111.27 | 160 | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | | |
| 1.000 | 25.40 | 81.46 | 121.33 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | | |
| 10 | 10 3/4 | 10.750 | 273.1 | 0.307 | 7.80 | 34.26 | 51.03 | 30 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.330 | 8.38 | 36.73 | 54.71 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.344 | 8.74 | 38.25 | 56.98 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.365 | 9.27 | 40.49 | 60.31 | 40 | STD | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.406 | 10.31 | 44.86 | 66.82 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.438 | 11.13 | 48.28 | 71.91 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.500 | 12.70 | 54.75 | 81.56 | 60 | XS | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.562 | 14.27 | 61.15 | 91.09 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.594 | 15.09 | 64.46 | 96.02 | 80 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.625 | 15.88 | 67.63 | 100.73 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.688 | 17.48 | 73.98 | 110.19 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.719 | 18.26 | 77.05 | 114.76 | 100 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.750 | 19.05 | 80.13 | 119.35 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.812 | 20.62 | 86.20 | 128.39 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.844 | 21.44 | 89.33 | 133.06 | 120 | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| | | | | 0.875 | 22.23 | 92.34 | 137.53 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | |
| 0.938 | 23.83 | 98.35 | 146.49 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | | |
| 1.000 | 25.40 | 104.17 | 155.16 | 140 | XXS | 14 | + / - 50 | Y | Y | Y | Y | | | | | |
| 1.062 | 26.97 | 109.91 | 163.71 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | | |
| 1.125 | 28.58 | 115.71 | 172.34 | 160 | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | | |
| 1.219 | 30.96 | 124.12 | 184.88 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | | |
| 1.250 | 31.75 | 126.87 | 188.98 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | | |

Jubail
Table 6 - API 5L & Structural



Size, Range & Grade for API 5L & Structural

| NPS | Nominal Size | Outside Diameter | | Wall Thickness | | Weight (Plain End) | | Schedule | Non-Schedule | Length | | PSL1 | | PSL2 | |
|-------|--------------|------------------|--------|----------------|-------|--------------------|-----------|----------|--------------|-----------|----------|------------|------------|------------|---------------------|
| | | INCH | MM | INCH | MM | PPF | KG. / MTR | | | Max Mtrs. | Fixed mm | Hot Rolled | Hot Rolled | Normalized | Quenched & Tempered |
| 12 | 12 3/4 | 12.750 | 323.9 | 0.330 | 8.38 | 43.78 | 65.21 | 30 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.344 | 8.74 | 45.61 | 67.93 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.375 | 9.53 | 49.60 | 73.88 | ... | STD | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.406 | 10.31 | 53.53 | 79.73 | 40 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.438 | 11.13 | 57.64 | 85.85 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.500 | 12.70 | 65.44 | 97.47 | ... | XS | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.562 | 14.27 | 73.16 | 108.96 | 60 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.625 | 15.88 | 80.99 | 120.63 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.688 | 17.48 | 88.68 | 132.09 | 80 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.750 | 19.05 | 96.15 | 143.22 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.812 | 20.62 | 103.54 | 154.22 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.844 | 21.44 | 107.37 | 159.92 | 100 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.875 | 22.23 | 111.03 | 165.38 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.938 | 23.83 | 118.39 | 176.35 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 1.000 | 25.40 | 125.53 | 186.98 | 120 | XXS | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 1.062 | 26.97 | 132.59 | 197.49 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 1.125 | 28.58 | 139.74 | 208.15 | 140 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| 1.219 | 30.96 | 150.16 | 223.67 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 1.250 | 31.75 | 153.58 | 228.75 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 1.312 | 33.32 | 160.31 | 238.78 | 160 | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 1.375 | 34.93 | 167.12 | 248.93 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 14 | 14 | 14.000 | 355.6 | 0.330 | 8.38 | 48.18 | 71.76 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.344 | 8.74 | 50.19 | 74.76 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.375 | 9.53 | 54.61 | 81.33 | 30 | STD | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.406 | 10.31 | 58.94 | 87.79 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.438 | 11.13 | 63.48 | 94.55 | 40 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.500 | 12.70 | 72.10 | 107.40 | ... | XS | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.562 | 14.27 | 80.64 | 120.12 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.594 | 15.09 | 85.07 | 126.72 | 60 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.625 | 15.88 | 89.32 | 133.04 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.688 | 17.48 | 97.86 | 145.76 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.750 | 19.05 | 106.15 | 158.11 | 80 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.812 | 20.62 | 114.36 | 170.34 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.844 | 21.44 | 118.62 | 176.68 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.875 | 22.23 | 122.70 | 182.76 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 0.938 | 23.83 | 130.90 | 194.98 | 100 | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 1.000 | 25.40 | 138.86 | 206.84 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| | | | | 1.062 | 26.97 | 146.75 | 218.58 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y |
| 1.094 | 27.79 | 150.83 | 224.66 | 120 | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 1.125 | 28.58 | 154.74 | 230.49 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 1.219 | 30.96 | 166.41 | 247.87 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 1.250 | 31.75 | 170.24 | 253.58 | 140 | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 1.375 | 34.93 | 185.45 | 276.23 | ... | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |
| 1.406 | 35.71 | 189.13 | 281.72 | 160 | ... | 14 | + / - 50 | Y | Y | Y | Y | | | | |

Size & Range for Boiler & Process Pipe

| Size | Outside Diameter | | Wall Thickness | | Weight | | Schedule | Non-Schedule | Max Length | |
|-------|------------------|-------|----------------|-------|--------|-------|----------|--------------|------------|------|
| | NPS | INCH | MM | INCH | MM | PPF | | | KG. / MTR. | FT. |
| 4 | 4.500 | 114.3 | 0.203 | 5.16 | 9.32 | 13.89 | ... | ... | 46.0 | 14.0 |
| | | | 0.219 | 5.56 | 10.01 | 14.91 | ... | ... | 46.0 | 14.0 |
| | | | 0.237 | 6.02 | 10.79 | 16.08 | 40 | STD | 46.0 | 14.0 |
| | | | 0.250 | 6.35 | 11.35 | 16.91 | ... | ... | 46.0 | 14.0 |
| | | | 0.281 | 7.14 | 12.67 | 18.87 | ... | ... | 46.0 | 14.0 |
| | | | 0.312 | 7.92 | 13.95 | 20.78 | ... | ... | 46.0 | 14.0 |
| | | | 0.337 | 8.56 | 14.99 | 22.32 | 80 | XS | 46.0 | 14.0 |
| | | | 0.375 | 9.52 | 16.52 | 24.60 | ... | ... | 46.0 | 14.0 |
| | | | 0.438 | 11.13 | 19.01 | 28.32 | 120 | ... | 46.0 | 14.0 |
| | | | 0.500 | 12.70 | 21.36 | 31.82 | ... | ... | 46.0 | 14.0 |
| | | | 0.531 | 13.49 | 22.52 | 33.54 | 160 | ... | 46.0 | 14.0 |
| | | | 0.562 | 14.27 | 23.63 | 35.20 | ... | ... | 46.0 | 14.0 |
| | | | 0.625 | 15.88 | 25.88 | 38.54 | ... | ... | 46.0 | 14.0 |
| | | | 0.674 | 17.12 | 27.55 | 41.03 | ... | XXS | 46.0 | 14.0 |
| 0.688 | 17.48 | 28.02 | 41.74 | ... | ... | 46.0 | 14.0 | | | |
| 5 | 5.563 | 141.3 | 0.203 | 5.16 | 11.63 | 17.32 | ... | ... | 46.0 | 14.0 |
| | | | 0.219 | 5.56 | 12.50 | 18.61 | ... | ... | 46.0 | 14.0 |
| | | | 0.250 | 6.35 | 14.19 | 21.13 | ... | ... | 46.0 | 14.0 |
| | | | 0.258 | 6.55 | 14.61 | 21.77 | 40 | STD | 46.0 | 14.0 |
| | | | 0.281 | 7.14 | 15.86 | 23.62 | ... | ... | 46.0 | 14.0 |
| | | | 0.312 | 7.92 | 17.49 | 26.05 | ... | ... | 46.0 | 14.0 |
| | | | 0.344 | 8.74 | 19.18 | 28.57 | ... | ... | 46.0 | 14.0 |
| | | | 0.375 | 9.52 | 20.77 | 30.94 | 80 | XS | 46.0 | 14.0 |
| | | | 0.438 | 11.13 | 23.99 | 35.73 | ... | ... | 46.0 | 14.0 |
| | | | 0.500 | 12.70 | 27.04 | 40.28 | 120 | ... | 46.0 | 14.0 |
| | | | 0.562 | 14.27 | 30.01 | 44.70 | ... | ... | 46.0 | 14.0 |
| | | | 0.625 | 15.88 | 32.98 | 49.12 | 160 | ... | 46.0 | 14.0 |
| | | | 0.688 | 17.48 | 35.84 | 53.38 | ... | ... | 46.0 | 14.0 |
| | | | 0.750 | 19.05 | 38.56 | 57.43 | ... | XXS | 46.0 | 14.0 |
| 0.875 | 22.23 | 43.82 | 65.28 | ... | ... | 46.0 | 14.0 | | | |
| 6 | 6.625 | 168.3 | 0.250 | 6.35 | 17.03 | 25.36 | ... | ... | 46.0 | 14.0 |
| | | | 0.280 | 7.11 | 18.98 | 28.26 | 40 | STD | 46.0 | 14.0 |
| | | | 0.312 | 7.92 | 21.03 | 31.33 | ... | ... | 46.0 | 14.0 |
| | | | 0.344 | 8.74 | 23.09 | 34.39 | ... | ... | 46.0 | 14.0 |
| | | | 0.375 | 9.53 | 25.05 | 37.31 | ... | ... | 46.0 | 14.0 |
| | | | 0.432 | 10.97 | 28.58 | 42.56 | 80 | XS | 46.0 | 14.0 |
| | | | 0.438 | 11.13 | 28.96 | 43.14 | ... | ... | 46.0 | 14.0 |
| | | | 0.500 | 12.70 | 32.72 | 48.73 | ... | ... | 46.0 | 14.0 |
| | | | 0.562 | 14.27 | 36.39 | 54.21 | 120 | ... | 46.0 | 14.0 |
| | | | 0.625 | 15.88 | 40.07 | 59.69 | ... | ... | 46.0 | 14.0 |
| | | | 0.688 | 17.48 | 43.65 | 65.02 | ... | ... | 46.0 | 14.0 |
| | | | 0.719 | 18.26 | 45.36 | 67.57 | 160 | ... | 46.0 | 14.0 |
| | | | 0.750 | 19.05 | 47.07 | 70.12 | ... | ... | 46.0 | 14.0 |
| | | | 0.864 | 21.95 | 53.19 | 79.22 | ... | XXS | 46.0 | 14.0 |
| 0.875 | 22.23 | 53.76 | 80.08 | ... | ... | 46.0 | 14.0 | | | |
| 0.938 | 23.83 | 57.00 | 84.90 | ... | ... | 46.0 | 14.0 | | | |
| 1.000 | 25.40 | 60.10 | 89.51 | ... | ... | 46.0 | 14.0 | | | |

Note:

- Low Temperature Service to ASTM A333 (2011) Grades 1, 3, 6
- Low Temperature Service to EN 10216-2 Grades P235 GH/NH/NL, P265 GH/NH/NL, 16Mo3
- High Temperature Service according to ASTM A106 (2010) Grades A, B, C
- High Temperature Service [Ferritic Alloy Steel] to ASTM A335 (2010b) Grades P11, P22
- High Temperature Service to EN 10216-2 Grades 10CrMo5-5, 10CrMo910



Jubail

Table 8 - Boiler & Process

Size & Range for Boiler & Process Pipe

| Size | Outside Diameter | | Wall Thickness | | Weight | | Schedule | Non-Schedule | Max Length | |
|-------|------------------|--------|----------------|--------|--------|--------|----------|--------------|------------|------|
| | NPS | INCH | MM | INCH | MM | PPF | | | KG. / MTR. | FT. |
| 8 | 8.625 | 219.1 | 0.250 | 6.35 | 22.37 | 33.32 | 20 | ... | 46.0 | 14.0 |
| | | | 0.277 | 7.04 | 24.72 | 36.82 | 30 | ... | 46.0 | 14.0 |
| | | | 0.312 | 7.92 | 27.69 | 41.25 | ... | ... | 46.0 | 14.0 |
| | | | 0.322 | 8.18 | 28.57 | 42.55 | 40 | STD | 46.0 | 14.0 |
| | | | 0.344 | 8.74 | 30.44 | 45.34 | ... | ... | 46.0 | 14.0 |
| | | | 0.375 | 9.53 | 33.07 | 49.25 | ... | ... | 46.0 | 14.0 |
| | | | 0.406 | 10.31 | 35.64 | 53.09 | 60 | ... | 46.0 | 14.0 |
| | | | 0.438 | 11.13 | 38.32 | 57.08 | ... | ... | 46.0 | 14.0 |
| | | | 0.500 | 12.70 | 43.40 | 64.64 | 80 | XS | 46.0 | 14.0 |
| | | | 0.562 | 14.27 | 48.39 | 72.08 | ... | ... | 46.0 | 14.0 |
| | | | 0.594 | 15.09 | 50.97 | 75.92 | 100 | ... | 46.0 | 14.0 |
| | | | 0.625 | 15.88 | 53.43 | 79.59 | ... | ... | 46.0 | 14.0 |
| | | | 0.688 | 17.48 | 58.35 | 86.91 | ... | ... | 46.0 | 14.0 |
| | | | 0.719 | 18.26 | 60.72 | 90.44 | 120 | ... | 46.0 | 14.0 |
| | | | 0.750 | 19.05 | 63.10 | 93.98 | ... | ... | 46.0 | 14.0 |
| | | | 0.812 | 20.62 | 67.76 | 100.93 | 140 | ... | 46.0 | 14.0 |
| | | | 0.844 | 21.44 | 70.17 | 104.51 | ... | ... | 46.0 | 14.0 |
| | | | 0.875 | 22.23 | 72.46 | 107.93 | ... | XXS | 46.0 | 14.0 |
| | | | 10 | 10.750 | 273.1 | 0.906 | 23.01 | 74.71 | 111.27 | 160 |
| 1.000 | 25.40 | 81.46 | | | | 121.33 | ... | ... | 46.0 | 14.0 |
| 0.307 | 7.80 | 34.26 | | | | 51.03 | 30 | ... | 46.0 | 14.0 |
| 0.330 | 8.38 | 36.73 | | | | 54.71 | ... | ... | 46.0 | 14.0 |
| 0.344 | 8.74 | 38.25 | | | | 56.98 | ... | ... | 46.0 | 14.0 |
| 0.365 | 9.27 | 40.49 | | | | 60.31 | 40 | STD | 46.0 | 14.0 |
| 0.406 | 10.31 | 44.86 | | | | 66.82 | ... | ... | 46.0 | 14.0 |
| 0.438 | 11.13 | 48.28 | | | | 71.91 | ... | ... | 46.0 | 14.0 |
| 0.500 | 12.70 | 54.75 | | | | 81.56 | 60 | XS | 46.0 | 14.0 |
| 0.562 | 14.27 | 61.15 | | | | 91.09 | ... | ... | 46.0 | 14.0 |
| 0.594 | 15.09 | 64.46 | | | | 96.02 | 80 | ... | 46.0 | 14.0 |
| 0.625 | 15.88 | 67.63 | 100.73 | ... | ... | 46.0 | 14.0 | | | |
| 0.688 | 17.48 | 73.98 | 110.19 | ... | ... | 46.0 | 14.0 | | | |
| 0.719 | 18.26 | 77.05 | 114.76 | 100 | ... | 46.0 | 14.0 | | | |
| 0.750 | 19.05 | 80.13 | 119.35 | ... | ... | 46.0 | 14.0 | | | |
| 0.812 | 20.62 | 86.20 | 128.39 | ... | ... | 46.0 | 14.0 | | | |
| 0.844 | 21.44 | 89.33 | 133.06 | 120 | ... | 46.0 | 14.0 | | | |
| 0.875 | 22.23 | 92.34 | 137.53 | ... | ... | 46.0 | 14.0 | | | |
| 0.938 | 23.83 | 98.35 | 146.49 | ... | ... | 46.0 | 14.0 | | | |
| 1.000 | 25.40 | 104.17 | 155.16 | 140 | XXS | 46.0 | 14.0 | | | |
| 1.062 | 26.97 | 109.91 | 163.71 | ... | ... | 46.0 | 14.0 | | | |
| 1.125 | 28.58 | 115.71 | 172.34 | 160 | ... | 46.0 | 14.0 | | | |
| 1.219 | 30.96 | 124.12 | 184.88 | ... | ... | 46.0 | 14.0 | | | |
| 1.250 | 31.75 | 126.87 | 188.98 | ... | ... | 46.0 | 14.0 | | | |



Jubail

Table 9 - Boiler & Process

ArcelorMittal

Size & Range for Boiler & Process Pipe

| Size | Outside Diameter | | Wall Thickness | | Weight | | Schedule | Non-Schedule | Max Length | |
|-------|------------------|--------|----------------|-------|--------|--------|----------|--------------|------------|------|
| | NPS | INCH | MM | INCH | MM | PPF | | | KG. / MTR. | FT. |
| 12 | 12.750 | 323.9 | 0.330 | 8.38 | 43.78 | 65.21 | 30 | ... | 46.0 | 14.0 |
| | | | 0.344 | 8.74 | 45.61 | 67.93 | ... | ... | 46.0 | 14.0 |
| | | | 0.375 | 9.53 | 49.60 | 73.88 | ... | STD | 46.0 | 14.0 |
| | | | 0.406 | 10.31 | 53.53 | 79.73 | 40 | ... | 46.0 | 14.0 |
| | | | 0.438 | 11.13 | 57.64 | 85.85 | ... | ... | 46.0 | 14.0 |
| | | | 0.500 | 12.70 | 65.44 | 97.47 | ... | XS | 46.0 | 14.0 |
| | | | 0.562 | 14.27 | 73.16 | 108.96 | 60 | ... | 46.0 | 14.0 |
| | | | 0.625 | 15.88 | 80.99 | 120.63 | ... | ... | 46.0 | 14.0 |
| | | | 0.688 | 17.48 | 88.68 | 132.09 | 80 | ... | 46.0 | 14.0 |
| | | | 0.750 | 19.05 | 96.15 | 143.22 | ... | ... | 46.0 | 14.0 |
| | | | 0.812 | 20.62 | 103.54 | 154.22 | ... | ... | 46.0 | 14.0 |
| | | | 0.844 | 21.44 | 107.37 | 159.92 | 100 | ... | 46.0 | 14.0 |
| | | | 0.875 | 22.23 | 111.03 | 165.38 | ... | ... | 46.0 | 14.0 |
| | | | 0.938 | 23.83 | 118.39 | 176.35 | ... | ... | 46.0 | 14.0 |
| | | | 1.000 | 25.40 | 125.53 | 186.98 | 120 | XXS | 46.0 | 14.0 |
| | | | 1.062 | 26.97 | 132.59 | 197.49 | ... | ... | 46.0 | 14.0 |
| | | | 1.125 | 28.58 | 139.74 | 208.15 | 140 | ... | 46.0 | 14.0 |
| 1.219 | 30.96 | 150.16 | 223.67 | ... | ... | 46.0 | 14.0 | | | |
| 1.250 | 31.75 | 153.58 | 228.75 | ... | ... | 46.0 | 14.0 | | | |
| 1.312 | 33.32 | 160.31 | 238.78 | 160 | ... | 46.0 | 14.0 | | | |
| 1.375 | 34.93 | 167.12 | 248.93 | ... | ... | 46.0 | 14.0 | | | |
| 14 | 14.000 | 355.6 | 0.330 | 8.38 | 48.18 | 71.76 | ... | ... | 46.0 | 14.0 |
| | | | 0.344 | 8.74 | 50.19 | 74.76 | ... | ... | 46.0 | 14.0 |
| | | | 0.375 | 9.53 | 54.61 | 81.33 | 30 | STD | 46.0 | 14.0 |
| | | | 0.406 | 10.31 | 58.94 | 87.79 | ... | ... | 46.0 | 14.0 |
| | | | 0.438 | 11.13 | 63.48 | 94.55 | 40 | ... | 46.0 | 14.0 |
| | | | 0.500 | 12.70 | 72.10 | 107.40 | ... | XS | 46.0 | 14.0 |
| | | | 0.562 | 14.27 | 80.64 | 120.12 | ... | ... | 46.0 | 14.0 |
| | | | 0.594 | 15.09 | 85.07 | 126.72 | 60 | ... | 46.0 | 14.0 |
| | | | 0.625 | 15.88 | 89.32 | 133.04 | ... | ... | 46.0 | 14.0 |
| | | | 0.688 | 17.48 | 97.86 | 145.76 | ... | ... | 46.0 | 14.0 |
| | | | 0.750 | 19.05 | 106.15 | 158.11 | 80 | ... | 46.0 | 14.0 |
| | | | 0.812 | 20.62 | 114.36 | 170.34 | ... | ... | 46.0 | 14.0 |
| | | | 0.844 | 21.44 | 118.62 | 176.68 | ... | ... | 46.0 | 14.0 |
| | | | 0.875 | 22.23 | 122.70 | 182.76 | ... | ... | 46.0 | 14.0 |
| | | | 0.938 | 23.83 | 130.90 | 194.98 | 100 | ... | 46.0 | 14.0 |
| | | | 1.000 | 25.40 | 138.86 | 206.84 | ... | ... | 46.0 | 14.0 |
| | | | 1.062 | 26.97 | 146.75 | 218.58 | ... | ... | 46.0 | 14.0 |
| 1.094 | 27.79 | 150.83 | 224.66 | 120 | ... | 46.0 | 14.0 | | | |
| 1.125 | 28.58 | 154.74 | 230.49 | ... | ... | 46.0 | 14.0 | | | |
| 1.219 | 30.96 | 166.41 | 247.87 | ... | ... | 46.0 | 14.0 | | | |
| 1.250 | 31.75 | 170.24 | 253.58 | 140 | ... | 46.0 | 14.0 | | | |
| 1.375 | 34.93 | 185.45 | 276.23 | ... | ... | 46.0 | 14.0 | | | |
| 1.406 | 35.71 | 189.13 | 281.72 | 160 | ... | 46.0 | 14.0 | | | |