

**PIPING SYSTEM PTE LTD**

Pipeline Material and Equipment Experts

DRAWING NO.:

PIPE-5-9.53-SS-ASTM A312 GRADE TP304/304L-20260303

DRAWING DATE:

03-Mar-2026

|              |          |             |                                                                                                           |      |      |
|--------------|----------|-------------|-----------------------------------------------------------------------------------------------------------|------|------|
| INQUIRY NO.: | OR999999 | Description | PIPE-5INCHES-SCH80S(9.53MM) WALL THICKNESS-SMLS-SS-ASTM A312 GRADE TP304/304L-BE-ASME B36.19M-NACE MR0175 | QTY  | UNIT |
| ITEM NO.:    | 70       |             |                                                                                                           | 1000 | M    |

**PIPE&TUBE DRAWING AND DIMENSIONS DATA**

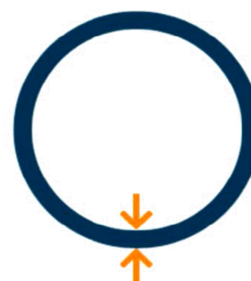
Nominal Pipe Size



Outside Diameter



Inside Diameter



Wall Thickness

| STANDARD |          | ASTM A312 GRADE TP304/304L |             |        |        | kg   |              | kg           |         | m <sup>3</sup> |     | (in mm) |          |                   |
|----------|----------|----------------------------|-------------|--------|--------|------|--------------|--------------|---------|----------------|-----|---------|----------|-------------------|
| NAME     | MATERIAL | NPS                        | OD INCH(ES) | OD     | ID     | WT   | METER WEIGHT | TOTAL WEIGHT | PROCESS | TOTAL VOLUME   | HIC | IGC     | MTC TYPE | REFERENCE HS CODE |
| PIPE     | SS       | 125                        | 5           | 141.30 | 122.24 | 9.53 | 30.97        | 30970.00     | SMLS    | 19.97          | N/A | IGC     | MTC3.1   | 7304 1120.00      |

MATERIAL STANDARD: ASTM A312 GRADE TP304/304L Chemical element composition content (%)

| COMPONENT | C     | Si | Mn | P     | S    | Cr | Ni |
|-----------|-------|----|----|-------|------|----|----|
| Max       | -     | -  | -  | -     | -    | 18 | 8  |
| Min       | 0.035 | 1  | 2  | 0.045 | 0.03 | 20 | 12 |

ASTM A312 GRADE TP304/304L Mechanical Properties

| Tensile Strength | Yield Point |
|------------------|-------------|
| $\sigma_b$       | $\sigma_s$  |
| Mpa              | Mpa         |
| ≥485             | ≥170        |

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BASED IN SINGAPORE, PIPING THE WORLD

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