

**PIPING SYSTEM PTE LTD**

Pipeline Material and Equipment Experts

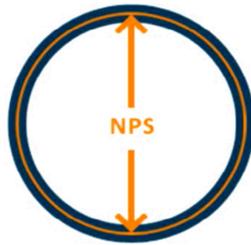
DRAWING NO.:

TUBE-1¼-2.77-SS-ASTM A312 GRADE TP304/304L-20260303

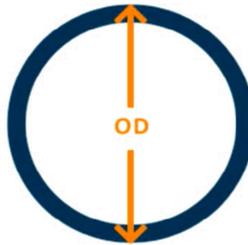
DRAWING DATE:

03-Mar-2026

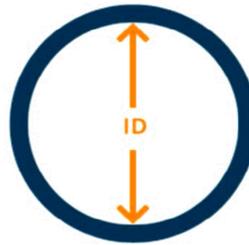
|              |          |             |  |      |      |
|--------------|----------|-------------|--|------|------|
| INQUIRY NO.: | OR999999 | Description | PIPE-1¼INCHES-SCH10S(2.77MM) WALL THICKNESS-SMLS-SS-ASTM A312 GRADE TP304/304L-PE-ASME B36.19M-NACE MR0175 | QTY  | UNIT |
| ITEM NO.:    | 26       |             |  | 1000 | M    |

**PIPE&TUBE DRAWING AND DIMENSIONS DATA**

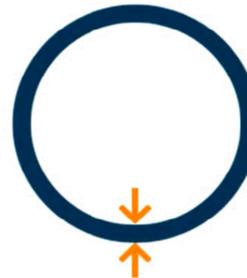
Nominal Pipe Size



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 |
| TUBE     | SS                         | 32  | 1¼          | 42.20 | 36.66 | 2.77 | 2.69           | 2690.00      | SMLS    | 1.78         | N/A | IGC | MTC3.1   | 7304 1130.00      |

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        |

|         |                                      |       |    |          |    |
|---------|--------------------------------------|-------|----|----------|----|
|         | <b>PIPING SYSTEM PTE LTD</b>         |       |    |          |    |
|         | Https://PIPING.cn                    |       |    |          |    |
|         | Tel:+86-17600050068                  |       |    |          |    |
|         | BASED IN SINGAPORE, PIPING THE WORLD |       |    |          |    |
| DRAWING | HuBiao                               | AUDIT | 王健 | APPROVAL | 李斌 |