



|                                         |               |                                           |
|-----------------------------------------|---------------|-------------------------------------------|
| PIPING SYSTEM PTE LTD                   | DRAWING NO.:  | PIPE-18-45.24-CS-API 5L X80 PSL2-20260302 |
| Pipeline Material and Equipment Experts | DRAWING DATE: | 02-Mar-2026                               |

|              |          |             |                                                                                    |      |      |
|--------------|----------|-------------|------------------------------------------------------------------------------------|------|------|
| INQUIRY NO.: | OR999999 | Description | PIPE-18INCHES-SCH160(45.24MM)-SEAMLESS-BEVELLED ENDS-CARBON STEEL-API 5L X80-PSL2- | QTY  | UNIT |
| ITEM NO.:    | 241      |             | ASME B36.10-NACE MR0175                                                            | 1000 | M    |

## PIPE&TUBE DRAWING AND DIMENSIONS DATA



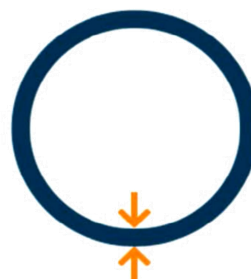
Nominal Pipe Size



Outside Diameter



Inside Diameter



Wall Thickness

| STANDARD |          | API 5L X80 PSL2 |             | (in mm) |        |       | kg           | kg           |         | m <sup>3</sup> |     |     |          |                   |
|----------|----------|-----------------|-------------|---------|--------|-------|--------------|--------------|---------|----------------|-----|-----|----------|-------------------|
| NAME     | MATERIAL | NPS             | OD INCH(ES) | OD      | ID     | WT    | METER WEIGHT | TOTAL WEIGHT | PROCESS | TOTAL VOLUME   | HIC | IGC | MTC TYPE | REFERENCE HS CODE |
| PIPE     | CS       | 450             | 18          | 457.20  | 366.72 | 45.24 | 459.62       | 459620.00    | SMLS    | 209.03         | HIC | N/A | MTC3.2   | 7304 1990.00      |

MATERIAL STANDARD: API 5L X80 PSL2 Chemical element composition content (%)

| COMPONENT | C *  | Si * | Mn * | P     | S     | Cr * | Ni * | Cu * | Mo * | B     |  | REMARK  | CE       |
|-----------|------|------|------|-------|-------|------|------|------|------|-------|--|---------|----------|
| Max       | -    | -    | -    | -     | -     | -    | -    | -    | -    | -     |  | Nb+V+Ti | CEV≤0.43 |
| Min       | 0.18 | 0.45 | 1.9  | 0.025 | 0.015 | 0.5  | 1    | 0.5  | 0.5  | 0.004 |  | ≤0.15*  | Pcm≤0.25 |



|                                      |         |       |    |          |    |
|--------------------------------------|---------|-------|----|----------|----|
| PIPING SYSTEM PTE LTD                |         |       |    |          |    |
| Https://PIPING.cn                    |         |       |    |          |    |
| Tel:+86-17600050068                  |         |       |    |          |    |
| BASED IN SINGAPORE, PIPING THE WORLD |         |       |    |          |    |
| DRAWING                              | Hu.Biao | AUDIT | 王健 | APPROVAL | 李以 |