



PIPING SYSTEM PTE LTD

Pipeline Material and Equipment Experts

DRAWING NO.:

PIPE-20-12.7-CS-API 5L GRB PSL1-20260303

DRAWING DATE:

03-Mar-2026

|              |          |             |                                                                                                         |      |      |
|--------------|----------|-------------|---------------------------------------------------------------------------------------------------------|------|------|
| INQUIRY NO.: | OR999999 | Description | PIPE-20INCHES-SCH30(12.7MM)-SEAMLESS-BEVELLED ENDS-CARBON STEEL-API 5L GRB-PSL1-ASME B36.10-NACE MR0175 | QTY  | UNIT |
| ITEM NO.:    | 59       |             |                                                                                                         | 1000 | M    |

## PIPE&TUBE DRAWING AND DIMENSIONS DATA



Nominal Pipe Size



Outside Diameter



Inside Diameter



Wall Thickness

| STANDARD |          | API 5L GRB PSL1 |             | (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       | 500             | 20          | 508.00  | 482.60 | 12.70 | 155.13       | 155130.00    | SMLS    | 258.06         | N/A | N/A | MTC3.1   | 7304 1990.00      |

MATERIAL STANDARD: API 5L GRB PSL1 Chemical element composition content (%)

| COMPONENT | C    | Si  | Mn  | P     | S     | Cr  | Ni  | Cu  | Mo   | Ti   | B     | REMARK | CE       |
|-----------|------|-----|-----|-------|-------|-----|-----|-----|------|------|-------|--------|----------|
| Max       | -    | -   | -   | -     | -     | -   | -   | -   | -    | -    | -     | Nb+V≤  | CEV≤0.43 |
| Min       | 0.24 | 0.4 | 1.2 | 0.025 | 0.015 | 0.3 | 0.3 | 0.5 | 0.15 | 0.04 | 0.001 | 0.06   | Pcm≤0.25 |



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BASED IN SINGAPORE, PIPING THE WORLD

DRAWING

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AUDIT

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APPROVAL

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