



## Supplier and Exporter of API-SPEC-5L Steel Pipe Line

Professional Manufacturer and Supplier from China specialized in Pipe Line, Pipe Lines for conveying gas, water, and petroleum of both the oil and natural gas industries at quality



### Features Specifications:

| OD(mm)  | Wall Thickness Unit(mm) |     |   |     |   |     |   |   |       |       |       |        |    |    |
|---------|-------------------------|-----|---|-----|---|-----|---|---|-------|-------|-------|--------|----|----|
|         | 2                       | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 6.5-7 | 7.5-8 | 8.5-9 | 9.5-10 | 11 | 12 |
| Φ25-Φ28 | •                       | •   | • | •   | • | •   |   |   |       |       |       |        |    |    |
| Φ32     |                         | •   | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ34-Φ36 |                         | •   | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ38     |                         | •   | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ40     |                         |     | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ42     |                         |     | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ45     |                         |     | • | •   | • | •   | • | • |       |       |       |        |    |    |
| Φ48-Φ60 |                         |     | • | •   | • | •   | • | • | •     |       |       |        |    |    |
| Φ63.5   |                         |     |   | •   | • | •   | • | • | •     | •     |       |        |    |    |
| Φ68-Φ73 |                         |     |   |     | • | •   | • | • | •     | •     |       |        |    |    |
| Φ76     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ80     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ83     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ89     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ95     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ102    |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ108    |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ114    |                         |     |   |     |   | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ121    |                         |     |   |     |   | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ127    |                         |     |   |     |   | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ133    |                         |     |   |     |   | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ140    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |
| Φ146    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |
| Φ152    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |
| Φ159    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |
| Φ168    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |

Line Pipe



|                     |  |
|---------------------|--|
| <b>Application:</b> | It is used for conveying gas,water,and petroleum of both the oil and natural gas industries. |
| <b>Size(mm):</b>    | O.D.:21.3-177.8 W.T.:2.77-35 L:max 12000   |

**Grade and Chemical Composition (%)**

| Standard | Grade   | Chemical Composition(%) |       |        |        |
|----------|---------|-------------------------|-------|--------|--------|
|          |         | C                       | Mn    | P      | S      |
| Standard | B       | ≤0.28                   | ≤1.20 | ≤0.030 | ≤0.030 |
|          | X42     | ≤0.28                   | ≤1.30 | ≤0.030 | ≤0.030 |
|          | X46,X52 | ≤0.28                   | ≤1.40 | ≤0.030 | ≤0.030 |

**Mechanical Properties (MPa)(PSL1):**

| Standard          | Grade | (MPa)  |     | (MPa)  |     | A%     |
|-------------------|-------|--------|-----|--------|-----|--------|
| API<br>SPEC<br>5L | PSL1≥ |        |     |        |     |        |
|                   |       | psi    | MPa | psi    | MPa | MIN(%) |
|                   | B     | 35,000 | 241 | 60,000 | 414 | 21~27  |
|                   | X42   | 42,000 | 290 | 60,000 | 414 | 21~27  |
|                   | X46   | 46,000 | 317 | 63,000 | 434 | 20~26  |
|                   | X52   | 52,000 | 359 | 66,000 | 455 | 20~24  |

**Grade and Chemical Composition (%)**

| Standard          | Grade | (MPa) |     | (MPa) |     | A%    | (J)    |
|-------------------|-------|-------|-----|-------|-----|-------|--------|
| API<br>SPEC<br>5L | PSL2  |       |     |       |     |       |        |
|                   |       | Min   | Max | Min   | Max |       | Min    |
|                   | B     | 241   | 448 | 414   | 758 | 21~27 | 41(27) |
|                   | X42   | 290   | 496 | 414   | 758 | 21~27 | 41(27) |
|                   | X46   | 317   | 524 | 434   | 758 | 20~26 | 41(27) |
|                   | X52   | 359   | 531 | 455   | 758 | 20~24 | 41(27) |

**Mechanical Properties(MPa)(PSL2):**

| Standard | Grade | Chemical Composition(%) |    |    |   |   |
|----------|-------|-------------------------|----|----|---|---|
|          |       | C                       | Mn | Ti | P | S |



|  |                |              |              |              |               |               |
|--|----------------|--------------|--------------|--------------|---------------|---------------|
|  | <b>B</b>       | <b>≤0.24</b> | <b>≤1.20</b> | <b>≤0.04</b> | <b>≤0.025</b> | <b>≤0.015</b> |
|  | <b>X42</b>     | <b>≤0.24</b> | <b>≤1.30</b> | <b>≤0.04</b> | <b>≤0.025</b> | <b>≤0.015</b> |
|  | <b>X46,X52</b> | <b>≤0.24</b> | <b>≤1.40</b> | <b>≤0.04</b> | <b>≤0.025</b> | <b>≤0.015</b> |

