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Henan BEBON international co.,ltd**DIN 17172 StE 445.7 TM steel plate/pipes for large diameter pipes**

StE 445.7 TM steel plate/pipes, under DIN 17172 standard, we can regard StE 445.7 TM steel plate/pipes as large diameter pipes.

StE 445.7 TM steel plate/pipes is one mainly of Steel for large diameter pipes, DIN 17172 StE 445.7 TM steel pipes/plate is a higher strength, tough, weldable steel for applications in the oil and gas industry. StE 445.7 TM Flange Steel meets fully the mechanical property requirements of the DIN 17172 StE 445.7 TM line pipe specifications whilst maintaining a high degree of toughness and weldability.

| | | |
|---|----------------------------|--------|
| StE 445.7TM DIN 17172 Material#1.8975 | Comparison of steel grades | |
| | EN10208-2 | L450MB |
| | API5L | X 65 |

Chemical composition-% by mass*

| Grades | Material number | C max | Si max | Mn. mix | P max | S max |
|-------------|-----------------|-----------|--------|-----------|-------|-------|
| StE 445.7TM | 1.8975 | 0.04-0.16 | 0.55 | 1.00-1.60 | 0.035 | 0.035 |

Mechanical properties

| Grade | Permissible yield point ratio | Yield Strength MPa(min) | Tensile Strength MPa | Elongation % (min) |
|-------------|-------------------------------|-------------------------|----------------------|--------------------|
| StE 445.7TM | ≤ 0.85 | 440 | 560 - 710 | - |

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