

High Yield steel plate DIN 17102 E St E 460 steel plate

E St E 460 steel plate, DIN 17102 E St E 460 steel plate, under DIN 17102 E St E 460 standard, we can regard E St E 460 steel plate as High Yield steel plate

E St E 460 steel plate is one of the mainly High Yield steel, Steel sheet E St E 460 Boiler steel plates P460NH tensile strength is at 570_720 Mpa for thickness belows 60mm, even maximum 730 Mpa is OK for the product thicknesses up to 16 millimeters, P460NH Chemical composition cast analysis

E St E 460 Chemical composition cast analysis

| Element | E St E 460 | Element | E St E 460 |
|-----------------|--------------|------------------|------------|
| Carbon max. | 0.20 | Silicon max. | 0.60 |
| Manganese | 1.10 to 1.70 | Phosphorous max. | 0.020 |
| Sulphur max. | 0.010 | Chromium min. | 0.30 |
| Molybdenum max. | 0.10 | Nickel max. | 0.80 |
| Niobium max. | 0.05 | Titanium max. | 0.03 |
| Vanadium max. | 0.20 | Nitrogen max. | 0.025 |
| Aluminium max. | 0.020 | Copper max. | 0.70 |

Mechanical Properties of DIN 17102 E St E 460

| Grade | Type | Thickness (mm) | Yield Strength MPa (min) | Tensile Strength MPa | Elongation % (min) |
|------------|------------|----------------|--------------------------|----------------------|--------------------|
| E St E 460 | Normalized | ≤ 16 | 460 | 570 to 750 | 17 |
| | | 16 > to ≤ 40 | 445 | 570 to 720 | 17 |
| | | 40 > to ≤ 60 | 430 | 570 to 720 | 17 |
| | | 60 > to ≤ 100 | 400 | 540 to 710 | 17 |
| | | 100 > to ≤ 150 | — | — | 17 |

Bebon steel — The most professional exporter on shipbuilding steel

E-mail: bb@bebonchina.com

Tel: 0086-371-86151527

MSN: bebonchina@hotmail.com

Fax: 0086-371-86011881

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.

Skype: [bebonchina](https://www.skype.com/people/bebonchina)

www.bebonchina.com

www.shipbuilding-steel.com

www.steel-plate-sheet.com