

[EN 10028-3 P 460 NH steel](#) plate/sheet for High Yield Steel

Key words: [P 460 NH steel plate/sheet](#), EN 10028-3 P 460 NH steel plate/sheet, EN 10028-3 P 460 NH steel plate/sheet supplier/Chinese supplier, P 460 NH steel plate/sheet price, P 460 NH steel plate/sheet mechanical property.

[EN 10028-3 P 460 NH steel](#) equivalent grade:

P 460 NH steel plate/sheet is in EN 10028-3 standard, the equivalent material of P 460 NH steel are DIN 17102 W St E 460, NFA 36201 E 460 FP.

| P 460 NH EN 10028-3 | Comparision of steel grades | |
|------------------------|-----------------------------|------------|
| | DIN 17102 | W St E 460 |
| | NFA 36201 | E 460 FP |

[EN 10028-3 P 460 NH steel chemical composition](#) %:

Main chemical composition in EN 10028-3 P 460 NH steel is carbon max 0.2, silicon max 0.60, manganese max 1.1-1.70, phosphorus max 0.025, Sulphur max 0.015, chromium max 0.30. More detailed information about P 460 NH steel, please refer to the down table:

| Element | P460NH Max % | Element | P460NH max % |
|---------|--------------|---------|--------------|
| C | 0.20 | Cr | 0.30 |
| Si | 0.60 | Cu | 0.70 |
| Mn | 1.10-1.70 | Mo | 0.10 |
| P | 0.025 | Nb | 0.05 |
| S | 0.015 | Ni | 0.80 |
| AL | 0.020 | Ti | 0.03 |
| N | 0.025 | V | 0.20 |

EN 10028-3 P 460 NH steel mechanical property:

P460NH steel plate is one of the mainly High Yield steel, Steel sheet P460NH shall be at minus 20 centi degree on transverse at minimum 30 J impacting energy.

| Grade | Type | Thickness (mm) | Yield Strength MPa (min) | Tensile Strength MPa | Elongation % (min) | Impact Energy (KV J) (min) -20 degree |
|--------|------------|-------------------|--------------------------------|----------------------------|-----------------------|--|
| P460NH | Normalized | ≤ 16 | 460 | 570-720 | 17 | 30 |
| | | 16> to ≤40 | 445 | 570-720 | 17 | 30 |
| | | 40> to ≤60 | 430 | 570-720 | 17 | 30 |
| | | 60> to ≤100 | 400 | 540-710 | 17 | 30 |
| | | 100> to ≤150 | 400 | 540-710 | 17 | 30 |

Ice steel — The most professional exporter on weathering resistant steel

Tel:0086-10-56218820

E-mail: steel@ice-stees.com

Fax: 0086-10-56218821

Web:<http://www.ice-steels.com>

Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA



150> to ≤250 400 540-710 17 30

ICE steel is the professional Chinese steel exporter, especially in fin-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10028-3 P 460 NH steel are available, so if need, welcome to contact ICE steel sales team.

Ice steel — The most professional exporter on weathering resistant steel

Tel:0086-10-56218820

E-mail: steel@ice-steels.com

Fax: 0086-10-56218821

Web:<http://www.ice-steels.com>

Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA