

[DIN 17100 St 37-3N steel plate/sheet](#) for general purpose structural steels

Key words: [St 37-3N steel plate/sheet](#), DIN 17100 St 37-3N steel plate/sheet, St 37-3N steel plate/sheet supplier/Chinese supplier, St 37-3N steel plate/sheet price, St 37-3N steel plate/sheet mechanical property.

DIN 17100 St 37-3N steel equivalent grade:

[St 37-3N steel plate/sheet](#) is in DIN 17100 standard, the material number is 1.0037. The equivalent grade of St 37-3N steel are EN 10025 S235J2G3, NFA 35-501 E 24-4, BS4360 40 D, UNI 7070 Fe 360 D, UNE 36.080 AE 235 D.

| St 37-3N DIN 17100 Material #:1.0037 | Comparison of steel grades | |
|--|----------------------------|----------|
| | EN 10025 | S235J2G3 |
| | NFA 35-501 | E 24-4 |
| | BS4360 | 40 D |
| | UNI 7070 | Fe 360 D |
| | UNE 36.080 | AE 235 D |

[DIN 17100 St 37-3N steel chemical composition](#) %:

Main chemical composition in DIN 17100 St 37-3N steel is carbon max 0.17, manganese max 1.40, phosphorus max 0.045, sulphur max 0.045. More detailed information about DIN 17100 St 37-3N steel, please refer to the down table:

| Chemical elements | C≤ 16mm max | C>16mm max | Si max | Mn max | P max. | S max. |
|-------------------|-------------|------------|--------|--------|--------|--------|
| %,by mass | 0.17 | 0.17 | -- | 1.40 | 0.045 | 0.045 |

DIN 17100 St 37-3N steel mechanical property:

St37-3N steel plate is one mainly of carbon and low alloy steel, St37-3N steel plate is called carbon structural steel, its carbon contents is less than 0.38%,but the less than 0.25% carbon content is most common used, so it is also called low carbon steel. Every metal number plate means its minimum yield point when its thickness is less than 16mm.

| thickness | Yield StrengthReH[N/mm2] transv.min. | TensileStrengthRm[N/mm2]transv. | Fracture Elongation[%]transv. min. | Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J] |
|---|--------------------------------------|---------------------------------|------------------------------------|---|
| t ≤ 16mm t > 16mm | 235 225 | | | Degree: 0 AV: 27J |
| t < 3mm t ≥ 3mm | | 360-510 340-470 | | |
| Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm | | | 16 17 18 19 24 | |

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 DIN 17100 St 37-3N steel are available, so if need, welcome to contact ICE steel sales team.

Ice steel — The most professional exporter on weathering resistant steel

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