

Steel Resistant to Atmospherical Corrosion JIS G3114 SMA 50 AW steel

SMA 50 AW steel plate, JIS G3114 SMA 50 AW steel plate, under JIS G3114 standard, we can regard SMA 50 AW steel plate as Steel Resistant to Atmospherical Corrosion SMA 50 AW steel plate is one mainly of Steel Resistant to Atmospherical Corrosion, SMA 50 AW steel grade is a hot rolled products of structural steels in technical delivery conditions with improved atmospheric corrosion resistance.

| SMA 50 AW JIS G3114 | Comparison of steel grades | |
|------------------------|----------------------------|-----------|
| | EN 10155 | S355J0W |
| | WBL 087 | W St 52.3 |
| | NFA 35502 | E 36 WB 3 |
| | BS4360 | SMA 50 AW |
| | ISO 4952 | Fe 355 W |

SMA 50 AW steel plate Chemical analysis -% by mass*

| Grade | C | Si | Mn | P | S | Cu | Cr | Ni |
|--------------|------|-----|-----------|-------|------|-----------|-----------|------|
| | max | max | max | max | max. | max | max | max |
| SMA 50 AW | 0.13 | 0.4 | 0.20-1.66 | 0.035 | 0.03 | 0.25-0.55 | 0.40-0.80 | 0.65 |

SMA 50 AW steel sheet Mechanical properties

| Grades | Yield Strength ReH[N/mm ²] transv.min | | Tensile Strength Rm[N/mm ²] transv | | Fracture Elongation[%] transv. min. | | Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J] |
|--------------|---|-----------------------|--|----------------------|--|----------------------|---|
| | e ²) ≤ 16 | e ²) > 16 | e ²) < 3 | e ²) ≥ 3 | e ²) ≤ 2 | e ²) ≤ 2 | |
| SMA 50 AW | 355 | 345 | 510 to 680 | 490 to 630 | 16/14 | 17/15 | - |

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