



RAUNAQ
— TRUSTED STEEL —

S700MC — EN 10149-2 (2013) - Technical Data sheet

1. Chemical & Mechanical Properties

| C (%) | Mn (%) | Si (%) | P (%) | S (%) | Yield (MPa) | UTS (MPa) | Elong (%) |
|-------|--------|--------|-------|-------|-------------|-----------|-----------|
| 0.12 | 2.10 | 0.60 | 0.025 | 0.015 | ≥700 | 750-950 | 10 / 12 |

2. Equivalent / Alternative Grades

| Grade | Standard | YS | UTS | C max (%) |
|-----------------------------------|------------|-----|-----|-----------|
| Strenx 700MC | SSAB | 700 | 950 | 0.12 |
| ASTM A1018 HSLAS-F Grade 70 | ASTM A1018 | 485 | 595 | 0.20 |

3. Common Applications

- Heavy crane booms
- Bridge sections
- High-strength machine frames

4. Standard Conformance

EN 10149-2 : 2013 — High-strength, thermomechanically rolled steels for cold forming

5. Disclaimer

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