

RAEX® S690QL, RAEX® S700MC
STRUCTURAL STEELS

Enhance your products with Raex® structural steel, engineered to withstand extreme loads. Our structural steel is a reliable support for various structures and ensures optimal performance and longevity, making it the smart choice for your structural applications.

Raex structural meets the requirements of:

- S700MC – EN 10149-2
- S690QL – EN 10025-6

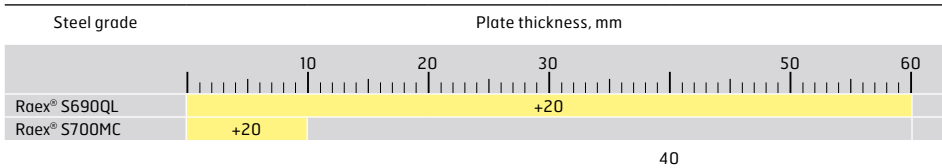
RAEX S700MC SHEET

Thickness (mm)	Yield strength R _{eh} ¹⁾ (min MPa)	Tensile strength R _m (MPa)	Elongation A ₅ (min %)	Min. inner bending radius for a 90° bend ²⁾ (x t)
3.00	700	750–950	12	1.5
3.01–6.00	700	750–950	12	2.0
6.01–10.00	700	750–950	12	2.5

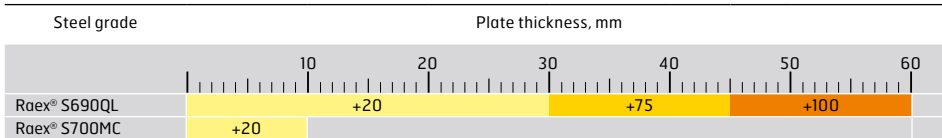
RAEX S690QL PLATE

Thickness (mm)	Yield strength R _{p0.2} (min MPa)	Tensile strength R _m ¹⁾ (MPa)	Elongation A ₅ (min %)	Min. inner bending radius for a 90° bend Transverse / Longitudinal
6.00–20.0	690	770–940	14	3 x t / 4 x t ²⁾
20.1–50.0	690	770–940	14	–
50.1–60.0	650	760–930	14	–

PREHEATING CUTTING



PREHEATING WELDING



DIMENSION RANGE

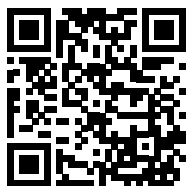
Steel grade	Thickness (mm)	Width (mm)	Length (m)
Raex® S690QL	6.00–60.00	2000–3300	2–12
Raex® S700MC	3.00–10.00	870–1550	2–12



What to expect

- Outstanding surface quality secured by precise DQ process
- Robust product properties thanks to stability of the process
- Excellent laser cutting properties with mill scale
- Excellent Flatness properties
- Low residual stress after cutting
- Trouble free production and cost efficiency
- Good performance in all typical applications

Find out more



www.raexsteel.com
for detailed properties
and guarantees.



Raex on Youtube
for cutting, welding
and bending videos