



Declaration of Performance
(according Regulation EU No 305/2011)

No. Plate S690QL 005

Plate S690QL / 1.8928 according to EN 10025-6

To be used in-welded, bolted and riveted structures

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System of assessment and verification of constancy of performance of the product

System 2+

Notified factory production control certification body No. 0045 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

Elisabeth Abrahamsson

2014-10-22

Quality Manager, Special steel

| Essential characteristics | | Performance | | Harmonised technical specification |
|---|-----------------------|---------------|-----------|------------------------------------|
| Tolerances on dimensions and shape (EN 10029) | Nominal thickness (t) | | Lower | |
| | mm | 3 ≤ t < 5 | -0.3 | +0.7 |
| | mm | 5 ≤ t < 8 | -0.4 | +0.8 |
| | mm | 8 ≤ t < 15 | -0.5 | +0.9 |
| | mm | 15 ≤ t < 25 | -0.6 | +1.0 |
| | mm | 25 ≤ t < 40 | -0.7 | +1.3 |
| | mm | 40 ≤ t < 50 | -0.9 | +1.7 |
| Yield strength | Nominal thickness (t) | | min (Mpa) | |
| | mm | ≤ 50 | 690 | |
| | mm | 50 < t ≤ 100 | 650 | |
| | mm | 100 < t ≤ 150 | 630 | |
| Tensile strength | Nominal thickness (t) | | (Mpa) | |
| | mm | ≤ 50 | 770 - 940 | |
| | mm | 50 < t ≤ 100 | 760 - 930 | |
| | mm | 100 < t ≤ 150 | 710 - 900 | |
| Elongation | min (%) | | 14 | |
| Impact strength | min (J/°C) | | 30/40 | |
| Weldability CEV | Nominal thickness (t) | | max (%) | |
| | mm | ≤ 50 | 0.65 | |
| | mm | 50 < t ≤ 100 | 0.77 | |
| | mm | 100 < t ≤ 150 | 0.83 | |
| Durability | | | | |
| | C | max (%) | 0.20 | |
| | Si | max (%) | 0.80 | |
| | Mn | max (%) | 1.70 | |
| | P | max (%) | 0.020 | |
| | S | max (%) | 0.010 | |
| | Cu | max (%) | 0.50 | |

EN 10025-1:2004



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www.ssab.com/downloads