



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

No. Strip S355J0WP 011

Strip/CTL S355J0WP / 1.8945 according to EN 10025-5

Produced by SSAB manufacturing plant Borlänge

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.

Charlotta Jansson

2017-09-01
Quality Manager

| Essential characteristics | | | Performance | | | Harmonised technical specification |
|---|-----------------------|---------------|-------------------|-------------|-------------|------------------------------------|
| Tolerances on dimensions and shape (EN 10051) | Nominal thickness (t) | | Nominal width (w) | | | |
| | | | w≤1200 | 1200<w≤1500 | 1500<w≤1600 | |
| | mm | t ≤ 2.00 | ± 0.20 | ± 0.22 | ± 0.24 | |
| | mm | 2.00 <t≤ 2.50 | ± 0.21 | ± 0.24 | ± 0.26 | |
| | mm | 2.5 0<t≤ 3.00 | ± 0.23 | ± 0.25 | ± 0.28 | |
| | mm | 3.00 <t≤ 4.00 | ± 0.25 | ± 0.28 | ± 0.30 | |
| | mm | 4.00 <t≤ 5.00 | ± 0.28 | ± 0.30 | ± 0.32 | |
| | mm | 5.00 <t≤ 6.00 | ± 0.30 | ± 0.32 | ± 0.33 | |
| | mm | 6.00 <t≤ 8.00 | ± 0.33 | ± 0.35 | ± 0.36 | |
| | mm | 8.00<t≤10.00 | ± 0.37 | ± 0.38 | ± 0.39 | |
| | mm | 10.00<t≤12.50 | ± 0.40 | ± 0.41 | ± 0.43 | |
| mm | 12.50<t≤15.00 | ± 0.43 | ± 0.44 | ± 0.46 | | |
| mm | 15.00<t≤16.00 | ± 0.46 | ± 0.48 | ± 0.52 | | |
| Yield strength | min (MPa) | | 355 | | | |
| Tensile strength | Nominal thickness (t) | | (Mpa) | | | |
| | mm | < 3 | 510 - 680 | | | |
| | mm | 3 ≤ t ≤ 16 | 470 - 630 | | | |
| Elongation | Nominal thickness (t) | | min (%) | | | |
| | mm | 1.8 ≤ t ≤ 2 | 14 | | | |
| | mm | 2 < t ≤ 2.5 | 15 | | | |
| | mm | 2.5 < t < 3 | 16 | | | |
| | mm | 3 ≤ t ≤ 16 | 20 | | | |
| Impact strength | min(J/°C) | | 27/0 | | | |
| Weldability CEV | max (%) | | 0.52 | | | |
| Durability | | | | | | |
| | C | max (%) | 0.12 | | | |
| | Si | max (%) | 0.75 | | | |
| | Mn | max (%) | 1.0 | | | |
| | P | (%) | 0.06 - 0.15 | | | |
| | S | max (%) | 0.035 | | | |
| Cu | (%) | 0.25 - 0.55 | | | | |



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www.ssab.com/downloads