

Declaration of Performance

DoP-nr: **GeuJa-Venlo – EN 10219-1 – 001**

1. Product name - types - grades:

Cold formed hollow sections, EN 10219-1:2006,
Types S235/S275/S355,
Grades JRH/J0H/J2H/K2H

2. Name and address supplier:

B.A. Geurts-Janssen BV
Tjalkkade 9
5928 PZ Venlo
The Netherlands

3. Intended use:

To be used in welded, bolted and riveted structures

4. System of assessment and verification of constancy of performance of the product: System 2+

5. Notified Body:

KIWA Nederland BV (NoBo-nr: 0620) has based on:

- The initial inspection of the factory production control
- Continuous surveillance, assessment and evaluation of factory production control

The certificate of conformity of the factory production control has been issued under unique number: 82707

Signed for and on behalf of B.A. Geurts-Janssen BV:

6. Declared Performances

Essential characteristics	Performance	Harmonised technical specifications																																			
<i>Dimensional and shape tolerances</i>	EN 10219-2 Cold formed hollow sections	EN 10219-1:2006 Art. 6.11.1																																			
<i>Elongation (%)</i>	<table border="1"> <thead> <tr> <th rowspan="2">Type & Grade</th> <th colspan="2">Nominal thickness (mm)</th> </tr> <tr> <th>≤40</th> <th>>40</th> </tr> </thead> <tbody> <tr> <td>S235JRH</td> <td>24</td> <td>20</td> </tr> <tr> <td>S275J0H/J2H</td> <td>20</td> <td>20</td> </tr> <tr> <td>S355J0H/J2H/K2H</td> <td>20</td> <td>20</td> </tr> </tbody> </table>	Type & Grade	Nominal thickness (mm)		≤40	>40	S235JRH	24	20	S275J0H/J2H	20	20	S355J0H/J2H/K2H	20	20	Art. 6.7.1 Chart A.3 + B.4 + B.5																					
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<i>Tensile strength (MPa)</i>	<table border="1"> <thead> <tr> <th rowspan="2">Type & Grade</th> <th colspan="2">Nominal thickness (mm)</th> </tr> <tr> <th>≤3</th> <th>>3≤40</th> </tr> </thead> <tbody> <tr> <td>S235JRH</td> <td>360 to 510</td> <td>360 to 510</td> </tr> <tr> <td>S275J0H/J2H</td> <td>430 to 580</td> <td>410 to 560</td> </tr> <tr> <td>S355J0H/J2H/K2H</td> <td>510 to 680</td> <td>470 to 630</td> </tr> </tbody> </table>	Type & Grade	Nominal thickness (mm)		≤3	>3≤40	S235JRH	360 to 510	360 to 510	S275J0H/J2H	430 to 580	410 to 560	S355J0H/J2H/K2H	510 to 680	470 to 630	Art. 6.7.1 Chart A.3 + B.4 + B.5																					
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<i>Impact strength (J)</i>	<table border="1"> <thead> <tr> <th rowspan="2">Type & Grade</th> <th colspan="3">Nominal thickness (mm)</th> </tr> <tr> <th colspan="3">≤40</th> </tr> <tr> <td></td> <th>-20 °C</th> <th>0 °C</th> <th>20 °C</th> </tr> </thead> <tbody> <tr> <td>S235JRH</td> <td>-</td> <td>-</td> <td>27</td> </tr> <tr> <td>S275J0H</td> <td>-</td> <td>27</td> <td>-</td> </tr> <tr> <td>S275J2H</td> <td>27</td> <td>-</td> <td>-</td> </tr> <tr> <td>S355J0H</td> <td>-</td> <td>27</td> <td>-</td> </tr> <tr> <td>S355J2H</td> <td>27</td> <td>-</td> <td>-</td> </tr> <tr> <td>S355K2H</td> <td>40</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Type & Grade	Nominal thickness (mm)			≤40				-20 °C	0 °C	20 °C	S235JRH	-	-	27	S275J0H	-	27	-	S275J2H	27	-	-	S355J0H	-	27	-	S355J2H	27	-	-	S355K2H	40	-	-	Art. 6.7.2 Chart A.3 + B.4 + B.5
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<i>Durability</i>	NPD	Art. 6.8.2																																			