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|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>STAHLWERK THÜRINGEN</b> |                                                                                        | A03        | Certificate No. 1878/11-2016<br>Advice No. A161116111        | 1 / 2                                                                                                                                                     |
|                                                                                                                 |                                                                                        | A02        | Inspection Certificate 3.1<br>according to EN 10204:2004/3.1 |                                                                                                                                                           |
| A01                                                                                                             | Stahlwerk Thüringen GmbH                                                               |            | A04                                                          | <br><br>Feron Slovakia, a.s.<br>Bytcicka 12<br>011 45 Zilina<br>SLOVAKIA |
| A05                                                                                                             | Quality Assurance Department<br>Kronacher Straße 6<br>07333 Unterwellenborn<br>Germany |            | A06                                                          |                                                                                                                                                           |
| A08                                                                                                             | Our Order No.:                                                                         | 2064358116 |                                                              |                                                                                                                                                           |
| A07                                                                                                             | Your Order No.:                                                                        | 92597/B    |                                                              |                                                                                                                                                           |
| B02                                                                                                             | Quality: S235JR+AR<br>according to: EN 10025-2/2004                                    |            |                                                              |                                                                                                                                                           |

  

| Pos. | Heat No. | Dimension | According to | Length    | Pieces | Weight   |
|------|----------|-----------|--------------|-----------|--------|----------|
| A10  | B07      | B01       |              | B09       | B08    | B13      |
| 002  | 74996    | UPE 160   | DIN 1026     | 12 000 mm | 24     | 4 775 kg |
| 003  | 74966    | UPE 180   | DIN 1026     | 12 000 mm | 21     | 4 905 kg |
| 004  | 75140    | UPE 200   | DIN 1026     | 12 000 mm | 10     | 2 670 kg |

  

| Heat Analysis [%] |      |      |      |       |       |       |       |       |       |      |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|------|
| Heat No.          | C    | Si   | Mn   | P     | S     | N     | Al    | Nb    | V     | Cr   |
| B07               | C71  | C72  | C73  | C74   | C75   | C76   | C77   | C78   | C79   | C80  |
| max               | 0.17 | 0.25 | 1.40 | 0.040 | 0.040 | 0.012 |       |       |       |      |
| min               |      | 0.14 |      |       |       |       |       |       |       |      |
| 74966             | 0.08 | 0.19 | 0.73 | 0.019 | 0.027 | 0.009 | 0.002 | 0.001 | 0.005 | 0.08 |
| 74996             | 0.08 | 0.19 | 0.70 | 0.023 | 0.023 | 0.006 | 0.002 | 0.001 | 0.005 | 0.06 |
| 75140             | 0.08 | 0.19 | 0.72 | 0.018 | 0.021 | 0.008 | 0.002 | 0.001 | 0.005 | 0.11 |

  

| Heat Analysis [%] |      |      |      |       |      |
|-------------------|------|------|------|-------|------|
| Heat No.          | Cu   | Ni   | Mo   | Ti    | CEV1 |
| B07               | C81  | C82  | C83  | C84   | C93  |
| max               | 0.55 |      |      |       | 0.35 |
| min               |      |      |      |       |      |
| 74966             | 0.32 | 0.14 | 0.04 | 0.001 | 0.26 |
| 74996             | 0.28 | 0.11 | 0.02 | 0.000 | 0.23 |
| 75140             | 0.31 | 0.13 | 0.04 | 0.000 | 0.25 |

  

| Tensile test (ISO 6892-1) |                                      |                                          |                           |       |
|---------------------------|--------------------------------------|------------------------------------------|---------------------------|-------|
| Heat No.                  | Yield stress<br>[N/mm <sup>2</sup> ] | Tensile strength<br>[N/mm <sup>2</sup> ] | Elongation<br>5.65VSo [%] | Ys/Ts |
| B07                       | C11                                  | C12                                      | C13                       | C14   |
| max                       |                                      | 510                                      |                           |       |
| min                       | 235                                  | 360                                      | 26.0                      |       |
| 74966                     | 309                                  | 437                                      | 34.0                      | 0.71  |
| 74996                     | 308                                  | 426                                      | 35.0                      | 0.72  |
| 75140                     | 317                                  | 437                                      | 34.0                      | 0.73  |

  

|     |                                                                                                                        |     |                                                                                       |
|-----|------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|
| Z03 | Works inspector<br>René Merbach<br> | Z04 |  |
| Z02 | Nov 17, 2016                                                                                                           |     |                                                                                       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                            |                                                                                   |                                                                    |                                                                                                                                   |  |
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| <br><b>STAHLWERK<br/>THÜRINGEN</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                            | A03                                                                               | Certificate No. 1878/11-2016<br>Advice No. A161116111              | 2 / 2                                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                            | A02                                                                               | Inspection Certificate 3.1<br><br>according to EN 10204:2004/3.1   |                                                                                                                                   |  |
| A01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A05                                                                                                                        |  |                                                                    |                                                                                                                                   |  |
| Stahlwerk Thüringen GmbH<br>Quality Assurance Department<br>Kronacher Straße 6<br>07333 Unterwellenborn<br>Germany                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                            | A04                                                                               | Feronia Slovakia, a.s.<br>Bytcicka 12<br>011 45 Zilina<br>SLOVAKIA |                                                                                                                                   |  |
| A06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                            |                                                                                   |                                                                    |                                                                                                                                   |  |
| A08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A07                                                                                                                        |                                                                                   |                                                                    |                                                                                                                                   |  |
| A08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Our Order No.: 2064358116<br>Your Order No.: 92597/B                                                                       |                                                                                   |                                                                    |                                                                                                                                   |  |
| B02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quality: S235JR+AR<br>according to: EN 10025-2/2004                                                                        |                                                                                   |                                                                    |                                                                                                                                   |  |
| B14<br><br>Material for galvanization. Si: 0.14% - 0.25%<br><br>- electric arc melting<br>- surface condition according to DIN EN 10163-3, class C, subclass 1<br><br>Material number: 1.0038<br><br>General technical terms of delivery for hot rolled structural steel products: DIN EN 10025-1<br>Intended uses: Welded, bolted and riveted structures<br>Expressed as indicated in the DoP:<br>Tolerances / Tensile strength / Yield strength / Elongation<br>Impact strength / Weldability / Durability<br><br>Tolerances on dimensions and shape:<br>HE/IPE/UB/UC/BP/HP according to DIN EN 10034<br>U/UPE/PFC according to DIN EN 10279<br><br>The delivered products do not exceed the limit values of surface contamination<br>according to the German Radiation Protection Ordinance.<br><br>We confirm herewith that the delivered material complies with the terms of the order. |                                                                                                                            |                                                                                   |                                                                    |                                                                                                                                   |  |
| Z03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Works inspector<br>René Merbach<br><br> |                                                                                   | Z04                                                                | <br><br>0769<br>13<br>010 CPR 2016-09-22 SWT |  |
| Z02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Nov 17, 2016                                                                                                               |                                                                                   |                                                                    |                                                                                                                                   |  |