

**CERTIFICATE****No. A/14-434744****Rev 01****Date 2014-07-29****Page 1/3**

Rev.date 2014-09-12

INSPECTION CERTIFICATE acc to  
EN 10 204 3.1Processkontroll Items AB  
Box 2088  
444 02 STORA HÖGA  
SWEDENINSPECTION STAMP  
QA-TUBE

| <b>Customer References</b><br><br>750644<br><br>003-00991 ITEMS<br><br>Customer order<br>2014-06-25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     | <b>Sandvik References</b><br>Order No. Subs No. ABSMT Dispatch note<br>374106 574059 27104/54<br>ABSMT No. C.Code<br>300-15684 15 |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------|--------|---------------------|--------|-------|--------|----|----|----|----------------|--------|-------|------|------|-------|-------|-------------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|------|----------|--|--|--|--|--|--|--|--|--------|-------|--|--|--|--|--|--|--|--------|-------|--|--|--|--|--|--|--|------|---|----|----|---|---|----|----|----|--------|-------|------|------|-------|-------|-------|-------|------|--------|-------|------|------|-------|-------|-------|-------|------|----------|--|--|--|--|--|--|--|--|--------|-------|--|--|--|--|--|--|--|--------|-------|--|--|--|--|--|--|--|
| <b>Material description</b><br>SEAMLESS STAINLESS COLD FINISHED<br>HYDRAULIC TUBING<br><br><br><b>Steel making process</b><br>Electric furnace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     | <b>Steel/material Designations</b><br>Sandvik SS<br>3R60 2353/2343<br>AISI EN no<br>TP316/TP316L 1.4435                           |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| <b>Technical requirements</b><br>ASTM A-213-13 AW, ASME SA-213-ED-10 AD-11A AW, ASTM A-269-13<br>NACE MR0175/ISO 15156-3:2009<br>PED 97/23/EC EN 10216-5 TC1<br>HRB MAX 80, SS219713 condtion -24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                                                                                                                                   |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| <b>EXTENT OF DELIVERY</b> <table><thead><tr><th>It</th><th>Product designation</th><th>Heat</th><th>Lot</th><th>Pieces</th><th>Kg</th><th>M</th></tr></thead><tbody><tr><td>01</td><td>THT-3R60-8-1.5</td><td>537235</td><td>20605</td><td>9</td><td>13.0</td><td>54.00</td></tr><tr><td></td><td>8.00 X 1.50</td><td>539447</td><td>30533</td><td>15</td><td>22.0</td><td>90.00</td></tr><tr><td colspan="4">Total</td><td>24</td><td>35.0</td><td>144.00</td></tr></tbody></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                                                                   |       | It     | Product designation | Heat   | Lot   | Pieces | Kg | M  | 01 | THT-3R60-8-1.5 | 537235 | 20605 | 9    | 13.0 | 54.00 |       | 8.00 X 1.50 | 539447 | 30533 | 15     | 22.0  | 90.00 | Total |       |       |       | 24    | 35.0 | 144.00   |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| It                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Product designation | Heat                                                                                                                              | Lot   | Pieces | Kg                  | M      |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | THT-3R60-8-1.5      | 537235                                                                                                                            | 20605 | 9      | 13.0                | 54.00  |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8.00 X 1.50         | 539447                                                                                                                            | 30533 | 15     | 22.0                | 90.00  |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |                                                                                                                                   |       | 24     | 35.0                | 144.00 |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| <b>TEST RESULTS</b><br><b>Chemical composition (weight%)</b> <table><thead><tr><th>Heat</th><th>C</th><th>Si</th><th>Mn</th><th>P</th><th>S</th><th>Cr</th><th>Ni</th><th>Mo</th></tr></thead><tbody><tr><td>537235</td><td>0.020</td><td>0.37</td><td>1.66</td><td>0.030</td><td>0.009</td><td>17.35</td><td>13.28</td><td>2.53</td></tr><tr><td>539447</td><td>0.020</td><td>0.38</td><td>1.59</td><td>0.029</td><td>0.009</td><td>17.44</td><td>13.07</td><td>2.55</td></tr><tr><td colspan="9"><b>N</b></td></tr><tr><td>537235</td><td>0.034</td><td colspan="7"></td></tr><tr><td>539447</td><td>0.036</td><td colspan="7"></td></tr></tbody></table><br><b>Chemical composition, product (weight%)</b> <table><thead><tr><th>Heat</th><th>C</th><th>Si</th><th>Mn</th><th>P</th><th>S</th><th>Cr</th><th>Ni</th><th>Mo</th></tr></thead><tbody><tr><td>537235</td><td>0.019</td><td>0.38</td><td>1.65</td><td>0.031</td><td>0.006</td><td>17.33</td><td>13.22</td><td>2.54</td></tr><tr><td>539447</td><td>0.024</td><td>0.41</td><td>1.59</td><td>0.030</td><td>0.006</td><td>17.55</td><td>13.11</td><td>2.55</td></tr><tr><td colspan="9"><b>N</b></td></tr><tr><td>537235</td><td>0.035</td><td colspan="7"></td></tr><tr><td>539447</td><td>0.037</td><td colspan="7"></td></tr></tbody></table> |                     |                                                                                                                                   |       | Heat   | C                   | Si     | Mn    | P      | S  | Cr | Ni | Mo             | 537235 | 0.020 | 0.37 | 1.66 | 0.030 | 0.009 | 17.35       | 13.28  | 2.53  | 539447 | 0.020 | 0.38  | 1.59  | 0.029 | 0.009 | 17.44 | 13.07 | 2.55 | <b>N</b> |  |  |  |  |  |  |  |  | 537235 | 0.034 |  |  |  |  |  |  |  | 539447 | 0.036 |  |  |  |  |  |  |  | Heat | C | Si | Mn | P | S | Cr | Ni | Mo | 537235 | 0.019 | 0.38 | 1.65 | 0.031 | 0.006 | 17.33 | 13.22 | 2.54 | 539447 | 0.024 | 0.41 | 1.59 | 0.030 | 0.006 | 17.55 | 13.11 | 2.55 | <b>N</b> |  |  |  |  |  |  |  |  | 537235 | 0.035 |  |  |  |  |  |  |  | 539447 | 0.037 |  |  |  |  |  |  |  |
| Heat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C                   | Si                                                                                                                                | Mn    | P      | S                   | Cr     | Ni    | Mo     |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| 537235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.020               | 0.37                                                                                                                              | 1.66  | 0.030  | 0.009               | 17.35  | 13.28 | 2.53   |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| 539447                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.020               | 0.38                                                                                                                              | 1.59  | 0.029  | 0.009               | 17.44  | 13.07 | 2.55   |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| <b>N</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                                                                                                                                   |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| 537235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.034               |                                                                                                                                   |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| 539447                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.036               |                                                                                                                                   |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| Heat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C                   | Si                                                                                                                                | Mn    | P      | S                   | Cr     | Ni    | Mo     |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| 537235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.019               | 0.38                                                                                                                              | 1.65  | 0.031  | 0.006               | 17.33  | 13.22 | 2.54   |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| 539447                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.024               | 0.41                                                                                                                              | 1.59  | 0.030  | 0.006               | 17.55  | 13.11 | 2.55   |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| <b>N</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                                                                                                                                   |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| 537235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.035               |                                                                                                                                   |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| 539447                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.037               |                                                                                                                                   |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |
| <b>Quality assurance - Lars-Åke Bergqvist / QA-manager</b><br><b>MTC Service / Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                                                                                                                                   |       |        |                     |        |       |        |    |    |    |                |        |       |      |      |       |       |             |        |       |        |       |       |       |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |      |   |    |    |   |   |    |    |    |        |       |      |      |       |       |       |       |      |        |       |      |      |       |       |       |       |      |          |  |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |        |       |  |  |  |  |  |  |  |

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**Tensile test at room temperature**

| Lot   | Yield strength |       | Tensile strength | Elongation |    |
|-------|----------------|-------|------------------|------------|----|
|       | MPa            | MPa   | MPa              | %          | %  |
|       | Rp0.2          | Rp1.0 | Rm               | A          | 4D |
| 20605 | 264            | 309   | 551              | 57         | 57 |
| 30533 | 284            | 320   | 556              | 52         | 52 |

**Hardness test**

| Lot   | Min | Max |
|-------|-----|-----|
|       | HRB | HRB |
| 20605 | 69  | 70  |
| 30533 | 72  | 74  |

**Following controls/tests have been satisfactorily performed:**

- 100% Flattening test.
- Flaring test
- PMI-test.
- Intergranular corrosion test acc to ASTM A-262 PR.E
- Leak test: Eddy current test acc to EN 10246-2, ASME SA-1016.
- Visual inspection and dimensional control.

**Heat Treatment:**

Solution annealed at a temperature of Min 1040° C and quenched.

**Marking:**

SANDVIK 3R60 ASTM/ASME A/SA-213AW A-269 EN 10216-5 TC1 EN 10305-1 EN 1.4435 TP 316/316L COLD SMLS NDE 8.00 X 1.50 MM HT 537235 SS LOT 20605 MADE BY SANDVIK IN SWEDEN \*QA-TUBE\*

SANDVIK 3R60 ASTM/ASME A/SA-213 A-269 EN 10216-5 TC1 EN 10305-1 COLD EN 1.4435 TP316/316L CFA SMLS NDE 8.00 X 1.50 MM HT 539447 SS LOT 30533 MADE BY SANDVIK IN SWEDEN \*QA-TUBE\*

The raw material is free from radioactive contamination.

Material free from mercury contamination.

Approved acc. AD 2000-Merkblatt W0 and certified acc. to Pressure Equipment Directive (97/23/EC) by TUEV NORD; notified body, reg.no. 0045.

The number of tests are based on the size of the manufacturing lot before cutting to finished lengths.

The delivered products comply with the specifications and requirements of the order.

The material is manufactured according to a Quality system, approved and registered to ISO 9001:2008.



No unauthorized alterations. The contents of this Inspection Certificate may not be modified or revised in any way without the prior written approval of AB Sandvik Materials Technology. Unauthorized alterations to the Inspection Certificate, including introduction of false, fictitious or fraudulent statements or entries, may be punishable by fines, imprisonment, or both. This Inspection Certificate may be copied only in the manner and for the purposes specified in Section 6 of EN 10204:2004. Contravention of this notice will be prosecuted to the fullest extent of applicable law.

The certificate is produced with EDP and valid without signature.