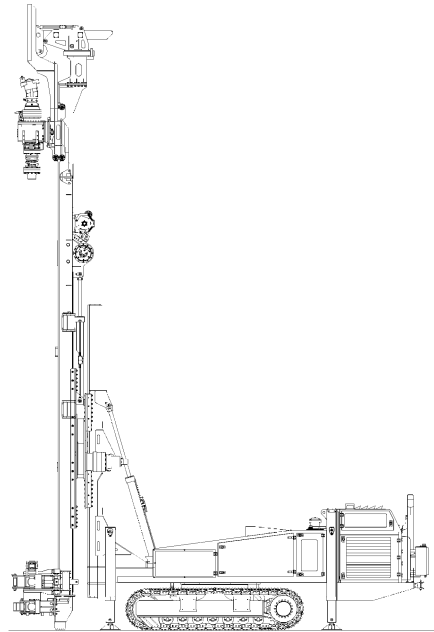
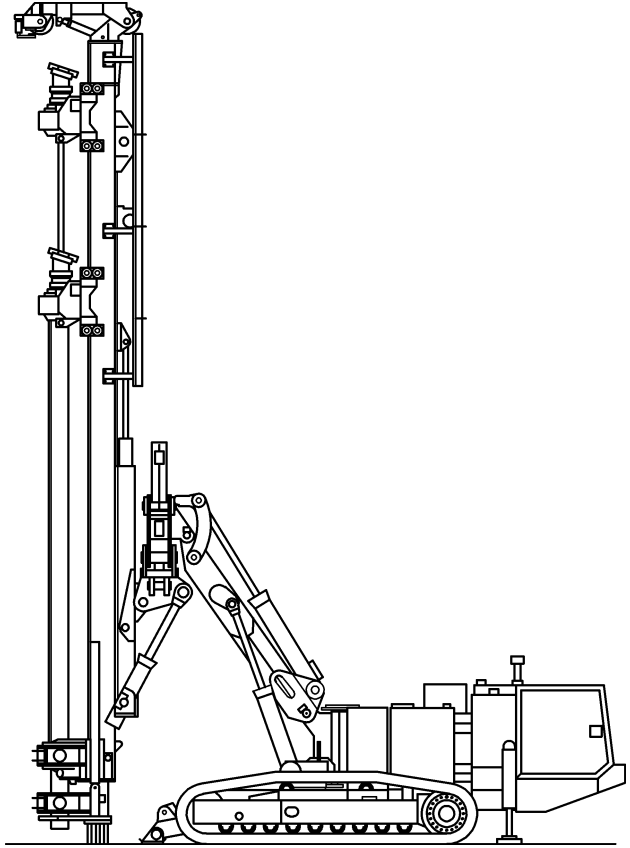
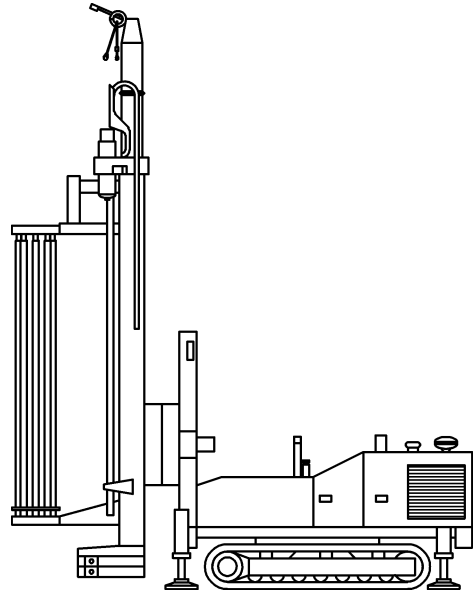
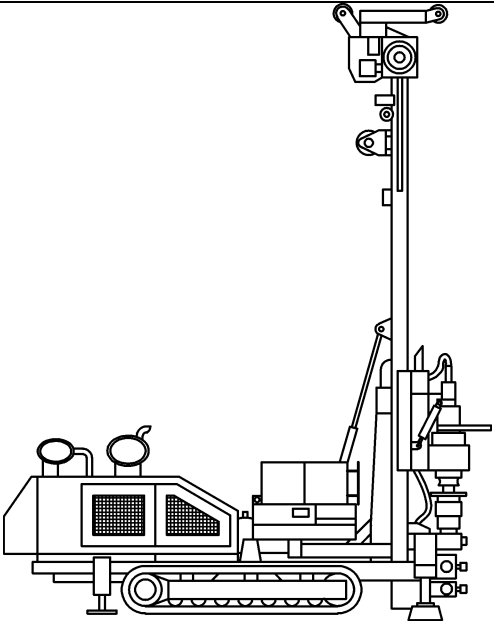
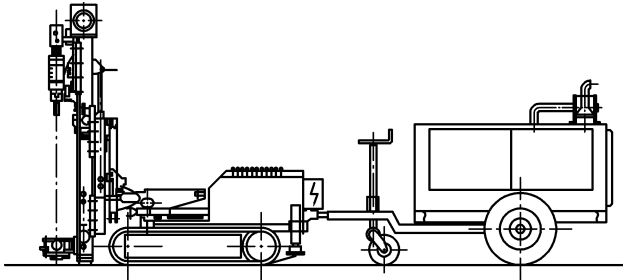


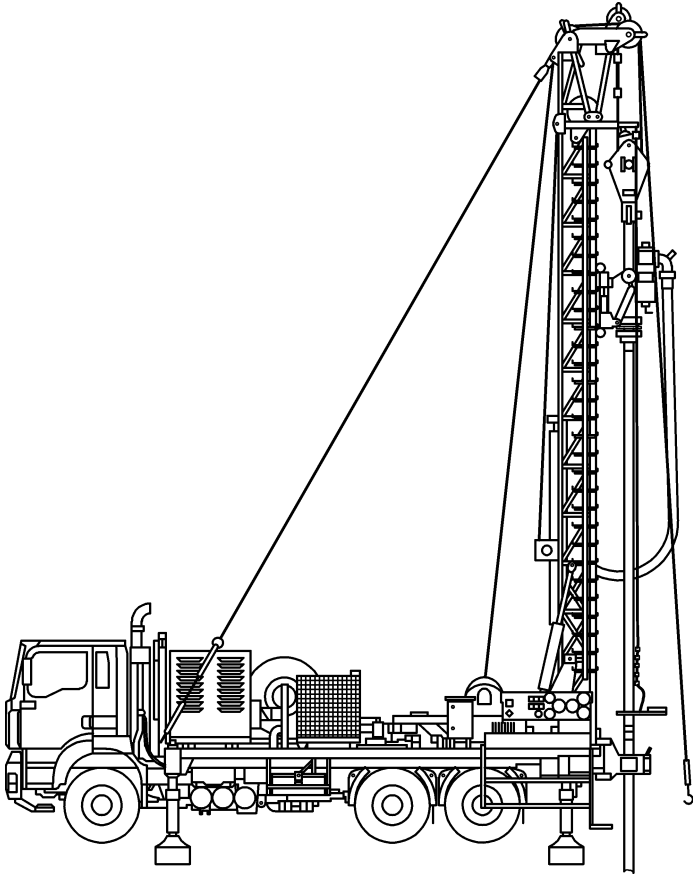
|  | Equipment                        | Description   | Picture   | Part number of this standard |
|--|----------------------------------|---|---|------------------------------|
| <p> <span>ⓘ</span><br/> A.2.2<br/> <span>ⓘ</span> </p> | Surface down the hole drill rigs | <p> <span>ⓘ</span> Designed for high-capacity soil or soil and rock mixture drilling in construction projects, equipped with down-the-hole hammers. <span>ⓘ</span> They may be completely self-contained, with onboard compressors or water pump and dust collectors. They can also operate water DTH hammers. </p> | <p> <span>ⓘ</span> </p>  <p>Figure A.2 <span>ⓘ</span></p> | 1 and 2                      |

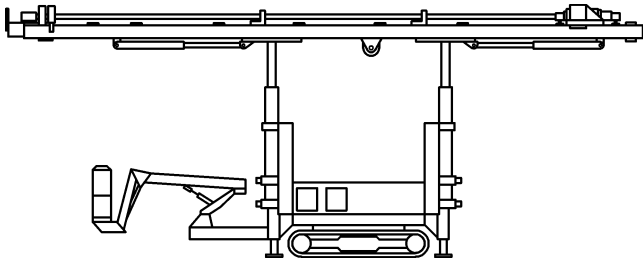
|  | Equipment                    | Description   | Picture  | Part number of this standard |
|--|------------------------------|---|--|------------------------------|
| <p><b>A1</b></p> <p>A.2.3</p> <p><b>A1</b></p> | Double head drilling systems | Used for several applications where two different stems are running (one inside the other). |  <p>Figure <b>A1</b> A.3 <b>A1</b></p> | 1 and 2 or 4                 |

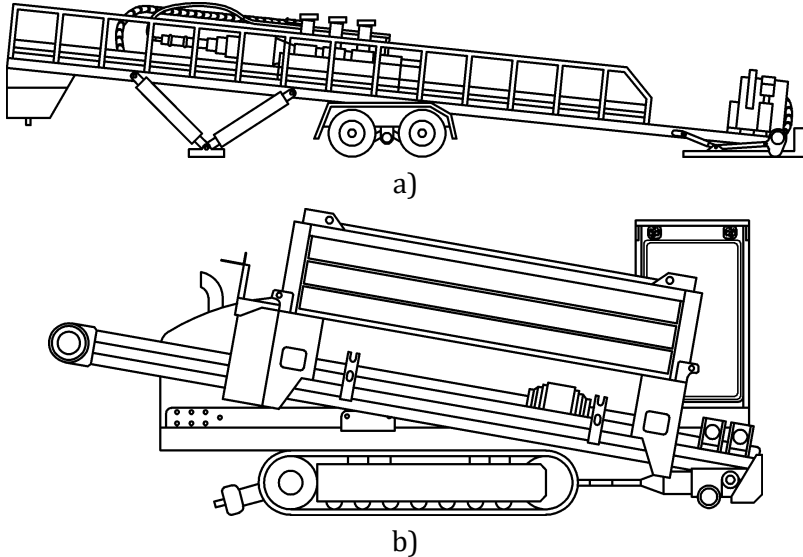
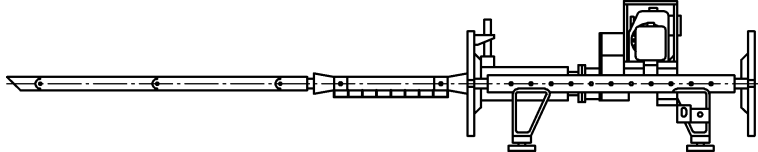
|  | Equipment                                | Description   | Picture  | Part number of this standard |
|--|--|---|--|------------------------------|
| <p> <math>\boxed{A_1}</math><br/> A.2.4<br/> <math>\boxed{A_1}</math> </p> | Exploration/soil investigation drill rig | <p>Equipment for drilling boreholes, smaller diameters to explore/take samples in <math>\boxed{A_1}</math> soil or soil and rock mixture <math>\boxed{A_1}</math>, or install tubes, or perform in situ tests.</p> <p>The rod change and storage may be mechanized.</p> |  <p>a)</p> | 1, 4 and 7                   |

|  | Equipment | Description | Picture   | Part number of this standard |
|--|-----------|-------------|---|------------------------------|
|  |           |             |  <p>b)<br/>Figure A.4 A.4 A1</p> |                              |

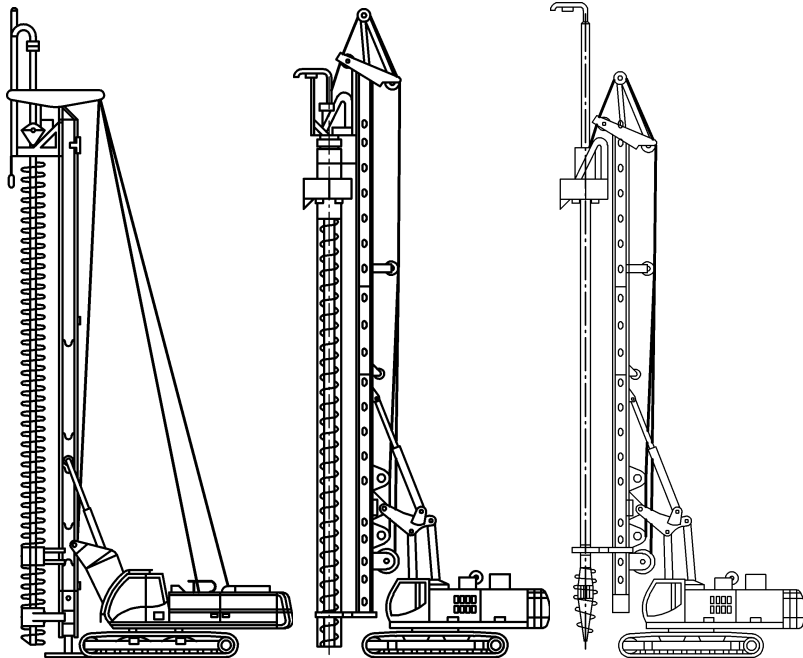
|  | Equipment            | Description   | Picture   | Part number of this standard |
|--|----------------------|---|---|------------------------------|
| <p> <span style="border: 1px solid black; padding: 2px;">A1</span><br/> A.2.5<br/> <span style="border: 1px solid black; padding: 2px;">A1</span> </p> | Micro pile drill rig | <p>Used for drilling and/ or foundation applications (might be specially designed for application in low headrooms).</p> <p>Rigs can be driven by direct power of diesel engine, or electric motor.</p> <p>Some rigs use separate power packs with long hydraulic hoses or electric cables.</p> |  <p style="text-align: center;">Figure <span style="border: 1px solid black; padding: 2px;">A1</span> A.5 <span style="border: 1px solid black; padding: 2px;">A1</span></p> | 1 and 2 or 4                 |

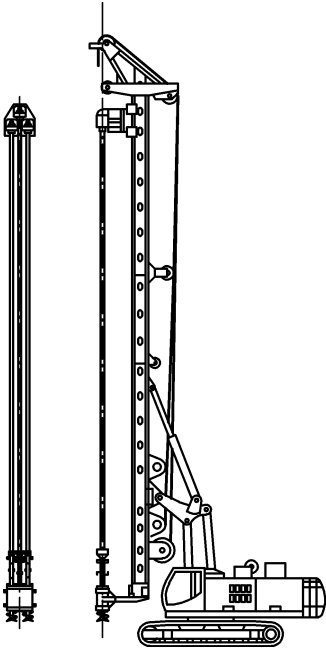
|   | Equipment               | Description  | Picture  | Part number of this standard |
|---|-------------------------|--|--|------------------------------|
| <div><div>A1</div><div>A.2.6</div><div>A1</div></div> | Truck mounted drill rig | To be used <div>A1</div> in soil or soil and rock mixture <div>A1</div> for exploration, water well, geothermal applications, piling, etc.<br>Upper structure fixed or rotating. |  <p>Figure <div>A1</div> A.6 <div>A1</div></p> | 1, 2 and 4                   |

|   | Equipment                                  | Description  | Picture   | Part number of this standard               |
|---|--|--|---|--|
|   | <del>A1</del> deleted text <del>A1</del> . | <del>A1</del> deleted text <del>A1</del> .   | <del>A1</del> deleted text <del>A1</del> .  | <del>A1</del> deleted text <del>A1</del> . |
| <del>A1</del><br>A.2.7<br><del>A1</del> | Pre-armouring underground drill rig        | <p>Pre-armouring drill rigs specifically designed for and solely intended to be used underground. These machines are typically designed for advanced roof and side wall ground reinforcement, e.g. pre-armouring, fore-poling, spiling etc., in a horizontal or almost horizontal orientation.</p> <p>The machine may be fitted with one or more feed beams and a boom mounted elevating working platform.</p> <p>Reinforcement bar loader may be present depending on the reinforcement technology.</p> |  <p>Figure <del>A1</del> A.7 <del>A1</del></p> | 1 and 2                                    |

|  | Equipment                            | Description  | Picture  | Part number of this standard |
|--|--------------------------------------|--|--|------------------------------|
| <p><b>A1</b></p> <p>A.2.8</p> <p><b>A1</b></p> | Horizontal directional drill rig HDD | For drilling horizontal or almost horizontal boreholes. The drill string can be steered to drill underneath roads, canals, buildings, etc. |  <p>a)</p> <p>b)</p> <p><b>Figure A.8</b></p> | 1 and 3                      |
| <p><b>A1</b></p> <p>A.2.9</p> <p><b>A1</b></p> | Horizontal shaft drill rig           | To be used in shafts or tunnels for HDD techniques.  |  <p><b>Figure A.9</b></p>                   | 1 and 3                      |



|   | Equipment   | Description   | Picture   | Part number of this standard |
|---|---|---|---|------------------------------|
| <p> <span style="border: 1px solid black; padding: 2px;">A1</span><br/> A.2.10<br/> <span style="border: 1px solid black; padding: 2px;">A1</span> </p> | <p>Drilling rig for rotary drilling</p> <p>A Continuous flight Auger (CFA)</p> <p>B Twin rotary drive drill</p> <p>C Soil displacement drilling</p> | <p>With rotary and auger with hollow stem.</p> <p>With double rotating rotary for auger inside a casing which rotate both in opposite direction.</p> <p>With rotary and stem with at the end two flights in different directions (left and right screwed).</p> <p>Or a special pile shoe with tapered screw flight.</p> |  <p style="text-align: center;">Figure <span style="border: 1px solid black; padding: 2px;">A1</span> A.10 <span style="border: 1px solid black; padding: 2px;">A1</span></p> | 1 and 2 or 4                 |

|   | Equipment             | Description  | Picture   | Part number of this standard |
|---|-----------------------|--|---|------------------------------|
| <p> <span style="border: 1px solid black; padding: 0 2px;">A1</span><br/> A.2.11<br/> <span style="border: 1px solid black; padding: 0 2px;">A1</span> </p> | Soil mixing equipment | Rotary drill rig with one or more hollow drill stems. At the end of the stem, wings for mixing soil with additives as cement, lime, chemicals or mixtures. |  <p style="text-align: center;">Figure <span style="border: 1px solid black; padding: 0 2px;">A1</span> A.11 <span style="border: 1px solid black; padding: 0 2px;">A1</span></p> | 1 and 4                      |