Sandvik HEX1 hydraulic rock drill is designed for a maximum recommended diameter of 45 mm. Typical application is foundation drilling, road cutting, trenching, bolting, line drilling in dimensional stone quarries and other special drilling applications with Sandvik DC120 rigs.

Sandvik HEX1 is a compact hydraulic percussive top hammer rock drill with low profile height. It drills with air flushing (water optional).

Biodegradable oils can be used both in hydraulic and in shank lubrication to reduce the environmental risk.

**MAIN DIMENSIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole diameter drilling</td>
<td>22 - 45 mm</td>
</tr>
<tr>
<td>Power class</td>
<td>6.5 kW</td>
</tr>
<tr>
<td>Percussion rate</td>
<td>70 - 88 Hz</td>
</tr>
<tr>
<td>Operating pressure</td>
<td></td>
</tr>
<tr>
<td>Percussion</td>
<td>100 - 180 bar</td>
</tr>
<tr>
<td>Rotation (max. continuous)</td>
<td>100 bar (OMM20, 32)</td>
</tr>
<tr>
<td>Rotation (max. intermittent)</td>
<td>70 bar (OMM50)</td>
</tr>
<tr>
<td>Rotation motor type</td>
<td>OMM20, OMM32, OMM50</td>
</tr>
<tr>
<td>Drill steels</td>
<td>H19, H22, H25 integral rods</td>
</tr>
<tr>
<td>Shanks</td>
<td></td>
</tr>
<tr>
<td>Hex 19 x 108 mm</td>
<td></td>
</tr>
<tr>
<td>Hex 22 x 108 mm</td>
<td></td>
</tr>
<tr>
<td>Hex 25 x 108 mm</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>50 kg</td>
</tr>
</tbody>
</table>
## ROTATION MECHANISM

**Motor**
- Orbit type

**Motor type 1**
- OMM20
- Torque (at 140 bar): 65 Nm
- Rotation speed: 0 - 400 rpm
- Flow (at max. speed): 15 l/min

**Motor**
- Orbit type

**Motor type 2**
- OMM32
- Torque (at 140 bar): 100 Nm
- Rotation speed: 0 - 350 rpm
- Flow (at max. speed): 20 l/min

**Motor**
- Orbit type

**Motor type 3**
- OMM50
- Torque (at 140 bar): 160 Nm
- Rotation speed: 0 - 225 rpm
- Flow (at max. speed): 20 l/min

## ACCUMULATORS

**Accumulator gas**
- Nitrogen N2

**High pressure (HP)**
- 50 bar

**Low pressure (LP)**
- 4 bar

**Filling valve**
- Vg8 DIN7756

## SHANK LUBRICATION

**Air flow**
- 250 Nl/min

**Pressure**
- 3 - 5 bar

**Oil consumption**
- 50 - 100 g/h

## OIL RECOMMENDATION

**Oil operating temperature**
- +40°C up to +60°C

**Oil recommendation**
- See Sandvik drill rigs lubricant recommendation for detailed information

## OPTION

**Special tools for HEX1**
- Complete set
  - ID 550 259 07

**Water flushing**
- Flushing tube diameter 5 mm
- Water consumption 2 - 6 bar 5 - 10 l/min

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Sandvik Mining reserves the right to make changes to the information on this data sheet without prior notification to users. Please contact a Sandvik representative for clarification on specifications and options.

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2. SANDVIK HEX1 HYDRAULIC ROCK DRILL