

# RD930

## Hydraulic rock drill

### Key features

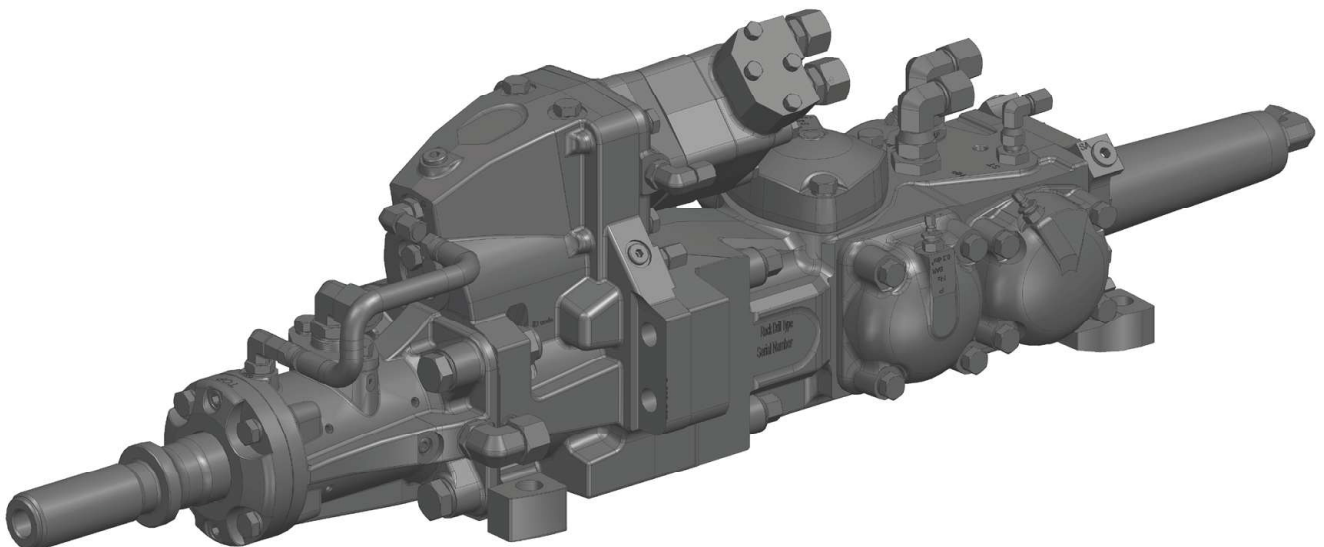
|   |  |
|---|--|
| Power class                               | 30 kW  |
| Percussion rate                           | 45 Hz  |
| Hole diameter<br>(Types SF)<br>(Types UG) | 102, 115, 127, 140 mm (rods)<br>n/a (tubes)                  |
| Percussion pressure                       | Up to 240 bar  |
| Rotation pressure                         | Up to 120 bar  |
| Rotation motor size                       | OMT 500  |
| Shanks                                    | GT60 (Types SF)<br>Tube only (Types UG)                      |
| Drill steel                               | GT60 / R60 (Types SF)<br>Tube only (Types UG)                |
| Power extractor                           | PE bearing Ø65 mm  |
| Weight                                    | 360 kg (with flushing head)<br>390 kg (with power extractor) |

Sandvik RD930 is a hydraulic top hammer rock drill designed for Surface top hammer rigs. It is capable of drilling Ø115 - 152 mm holes up to 36 meters in depth.

The RD930 is designed and optimized for larger hole sizes. It is a powerful rock drill with a patented new piston design to ensure robustness and good hole quality. The construction of the rock drill is based on three body modules tied together with short side bolts; this ensures minimum number of joint faces and large contact surfaces. The percussion module is simple and reliable in design and consists of only two moving parts – the piston and the distributor sleeve around the piston. – all guided by single pilot cylinder, ensuring optimal alignment for parts.

The RD930 is fitted with a drill stabilizer, which is designed to keep the shank adapter in optimal position in relation to the piston; this ensures good rock/bit contact and energy transfer, high penetration rate and rock tool service life.

Power extractor (option) can be used for opening rock tool joints manually or automatically when using onehole automation. The design of the RD930 is covered by several patents.



**Rotation mechanism**

|                        |            |
|------------------------|------------|
| Motor                  | Orbit type |
| Motor type             | OMT 500    |
| Torque (at max. speed) | 1750 Nm    |
| Rotation speed         | 120 rpm    |
| Flow (at max. speed)   | 125 l/min  |

**Flushing pressure**

|                             |        |
|-----------------------------|--------|
| Max. pressure (air / water) | 15 bar |
|-----------------------------|--------|

**Accumulators**

|                    |             |
|--------------------|-------------|
| Accumulator gas    | Nitrogen N2 |
| High pressure (HP) | 50 bar      |
| Low pressure (LP)  | 4 bar       |
| Filling valve      | Vg8 DIN7756 |

**Stabilizer**

|                                 |              |
|---------------------------------|--------------|
| Max. pressure, adjustable       | 110 bar      |
| Max. pressure, adjustable       | 60 bar       |
| Stabilizer accumulator pressure | 40 bar       |
| Stabilizer flow                 | 5 ... 10 lpm |

**Shank lubrication**

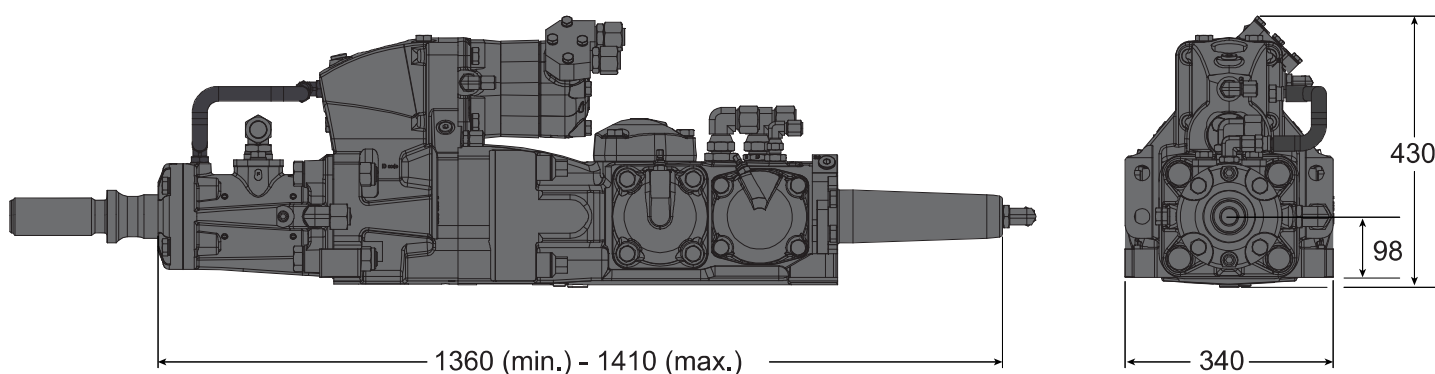
|                 |   |
|-----------------|---|
| Air flow        | 0.5 m <sup>3</sup> /min                                     |
| Pressure        | 4 bar   |
| Oil consumption | 1.5 lpm (CSL)<br>1000 g/h (SLU)                             |
| Oil type        | Shell Omala 32/100 (CSL)<br>Shell Air Tool oil 32/100 (SLU) |
| Shank weight    | 15 kg   |

**Option**

|   |                |
|---|----------------|
| Special tools for RD930 / Complete set    | ID: BG00605876 |
| Special tools for RD930 / Field tools set | ID: BG00806766 |

**Dimensions**

|                         |         |
|-------------------------|---------|
| Lenght, no shank        | 1360 mm |
| Lenght, no shank PE-52  | 1370 mm |
| Lenght, no shank, PE-65 | 1410 mm |
| Max. width              | 340 mm  |
| Max. height             | 430 mm  |
| Drilling center height  | 98 mm   |



All dimensions in mm

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