

RD106 HYDRAULIC ROCK DRILL

TECHNICAL SPECIFICATION

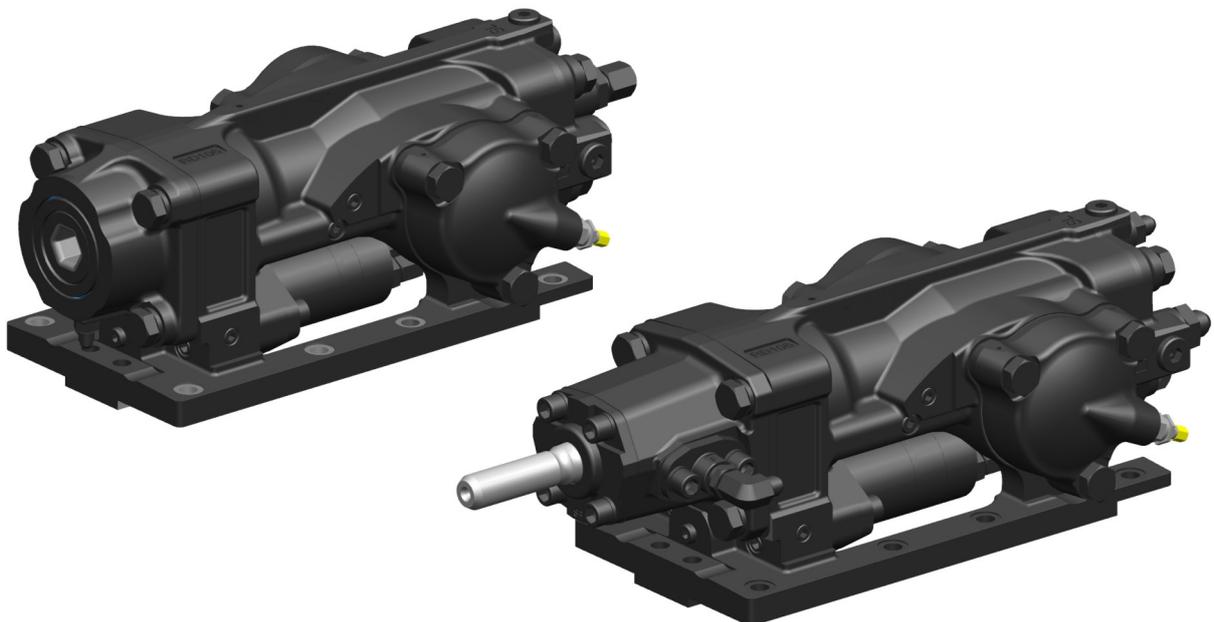
Sandvik RD106 hydraulic rock drill is designed for a maximum recommended hole diameter of 45 mm. Typical applications are foundation drilling, road cutting, trenching, bolting, line drilling in dimensional stone quarries and other special drilling applications.

Sandvik RD106 is a compact hydraulic percussive top hammer rock drill with a low profile height. It drills with air or water flushing.

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

MAIN DIMENSIONS

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|-------------------------------|---|
| Hole diameter drilling | 22 - 45 mm |
| Power class | 6.5 kW |
| Percussion rate | 65 - 85 Hz |
| Operating pressure Percussion | 100 - 180 bar |
| Rotation (max. continuous) | 100 bar (OMM20, 32) 70 bar (OMM50) |
| Rotation (max. intermittent) | 140 bar |
| Rotation motor type | OMM20, OMM32, OMM50 |
| Drill steels | H19, H22, H25 integral rods, H25 drifter rods |
| Shanks | Hex 19 x 108 mm Hex 22 x 108 mm Hex 25 x 108 mm Male R23, R25, R28 |
| Weight | 52 kg (with hexagonal chuck) 54 kg (with flushing device) |



ROTATION MECHANISM

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|----------------------|-------------|
| Motor | Orbit type |
| Motor type 1 | OMM 20 |
| Torque (at 140 bar) | 65 Nm |
| Rotation speed | 0 - 400 rpm |
| Flow (at max. speed) | 15 l/min |

ROTATION MECHANISM

| | |
|----------------------|-------------|
| Motor | Orbit type |
| Motor type 1 | OMM 32 |
| Torque (at 140 bar) | 100 Nm |
| Rotation speed | 0 - 350 rpm |
| Flow (at max. speed) | 20 l/min |

ROTATION MECHANISM

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|----------------------|-------------|
| Motor | Orbit type |
| Motor type 2 | OMM 50 |
| Torque (at 140 bar) | 160 Nm |
| Rotation speed | 0 - 225 rpm |
| Flow (at max. speed) | 20 l/min |

FLUSHING PRESSURE

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| Max. pressure (air / water) | 5 bar (with hexagonal chuck) 15 bar (with flushing device) |
|-----------------------------|---|

ACCUMULATORS

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

SHANK LUBRICATION

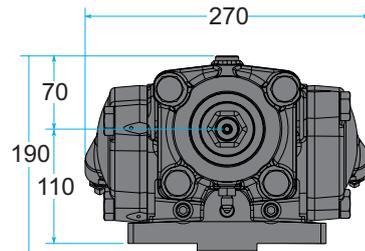
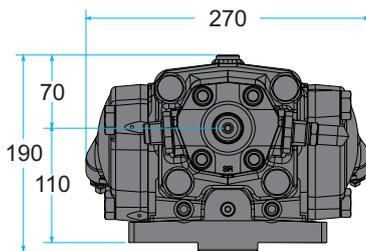
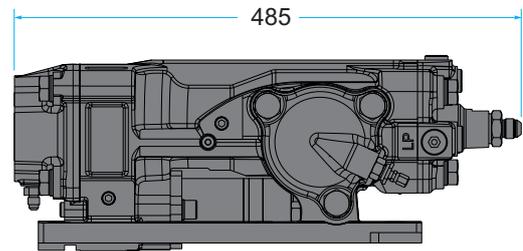
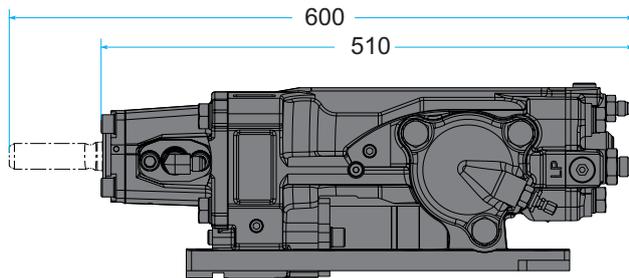
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|-----------------|--------------|
| Air flow | 250 NI/min |
| Pressure | 3 - 5 bar |
| Oil consumption | 50 - 200 g/h |

OIL RECOMMENDATION

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|---------------------------|--|
| Oil operating temperature | +40°C up to +60°C |
| Oil recommendation | See Sandvik drill rigs lubricant recommendation for detailed information |

OPTION

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|---|--|
| Special tools for RD106 Complete set | ID BG00768711 |
| Special tools for RD106 Field tools set | ID BG00768713 |
| Water flushing with hexagonal chuck | Flushing tube diameter 5 mm Water consumption 2 -5 bar 5 - 10 l/min |



Sandvik RD106 with flushing device

Sandvik RD106 with hexagonal chuck

All dimensions in mm



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2. SANDVIK RD106 HYDRAULIC ROCK DRILL