SANDVIK

Trimmer DQ250R
SURFACE DRILLS

Technical specification

Trimmer DQ250R is a hydraulically operated, excavator-mounted line drilling unit designed for dimensional stone quarries. It features a comprehensive drilling control system with radio remote control. With the Automatic Drilling option, DQ250R can fully automate the drilling of single-pass holes. When drilling deeper holes that require a second drill steel, the semi-automatic mode allows holes to be drilled automatically while pausing for rod changes. In manual mode, all functions are controlled directly by the operator. DQ250R also comes with a pre-installed and tested Installation Package, simplifying the setup of necessary systems on the excavator.

KEY FEATURES	
Hole diameter:	22 - 45 mm (7/8" – 1 3/4")
Rock tools:	19 or 22 mm (3/4" or 7/8")
Rock Drill	5,5 kW
Flushing air:	2, 0 m3/min, up to 8 bar
Total weight :	3500 kg

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HYDRAULIC ROCK DRILL	
Rock drill	RD106
Rock tools	HEX 19 x 108 mm, HEX 22 x 108 mm
Operating pressure	100 - 180 bar
Percussion output power	5.5 kW
Maximum rotation torque	100 Nm/120 bar
Shank lubrication	Air/oil mist
Flushing	Air
Weight	46 kg

FEED	
Feed type	2x CF 100x24 / HEX 1
Total length	3 670 mm
Rock drill travel	2 670 mm
Max. length of starter rod	2 400 mm
Hole depth with starter rod	2 100 mm
Hole depth with second rod	4 500 mm
Hole depth with single pass	2 670 mm
Single pass drill steel	2 970 mm
Retaining centralizer	Manual
Steel retainer	Hydraulic
Feed extension travel	600 mm
Feed/pull out force	3,7 kN

FRAME	
Frame length	3 560 mm
Drilling length	3 150 mm
Hydraulic legs	4 pcs
Working lights	3 pcs
Vertical swing	-80°/+80°
Horisontal Swing	-30°/+30°
Tilt	-35°/+40°
Horizontal zoom	200 mm

REQUIREMENTS FOR THE EXCAVATOR	
Min. oil flow for drilling	180 l/min / 150 bar
Min oil flow for boom	40 l/min / 210 bar
Engine power min.	100 kW
Electric system	24 V
Max. pilot pressure (for remote control)	30 bar
Min. boom lifting capacity	2900 kg at max reach to the side

INSTALLATION PACKAGE
Pre installed package includes:
Frame and covers
Dust collector
Compressor
Control valves
Oil coolers
Electrics
Weight 1100 kg

CONTROL SYSTEM	
Control system type	PLC controlled electro-proportional hydraulics
User interface	Radio remote and pressure gauges
Drilling control system type	TA 341 E, 2 pcs.
Antijamming system	Standard
Auto-stop to preset hole depth	Standard
Half power drilling in collaring and finishing of the hole	Standard
Automated side movement of chain feeds to next hole	Standard
Adjustable hole spacing	Standard
Digital inclination indicator / operator console	Standard
Simulation of drilling cycle	Standard
Voltage	24 VDC

DUST COLLECTOR	
Dust collector type	DC 710 H
Capacity/vacuum	17 m^3 / min at 1000 mm vacuum H2O
Filter elements/material	12 pcs / fiber
Total filter surface	9,6 m^2

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STANDARD COMPONENTS
1 pc Drilling frame
2 pcs Chain feed CF 100 x 24
2 pcs Rock drill RD106, hydraulic
2 pcs Shank lubricator WL 30
2 pcs Control panel TA 341 E-24, Radio Remote
1 pc Electronic XY inclination display
4 pcs Hydraulic jacks
3 pcs LED Working lights
1 pc Installation package
1 pc Electric box
1 set valves for excavator control
6 pcs Lock valves for excavator boom cylinders
1 pc Operator's manual (paper copy)
(*) Option replaces standard component

Not delivered by sandvik
Excavator specific mounting bracket between boom and DQ250R drilling frame
Excavator specific mounting brackets between excavator and Installation Package
Hydraulic connection parts between DQ250R and excavator hydraulics

THE JAWS FOR DRILL STEELS

DRILL STEEL TYPE	DRILL STEEL DIAMETER	RECOMMENDED HOLE DIAMETER
Hexagonal steels	19 mm 3/4"	22 - 27 mm 7/8" - 1 1/16"
Hexagonal steels	22 mm 7/8"	28 - 45 mm 1 7/64" - 1 3/4"

SELECTION OF OPTIONS
Grinder Dynaset
Grinder Sandvik RG100H
Grinder Sandvik RG400
Chain feeds CF 100 x 32, 2 pcs
Chain feeds CF 100 x 40, 2 pcs
Drill steel pulling device with hydraulic front centralizer, left
Drill steel pulling device with hydraulic front centralizer, right
Drilling automatics
Excavator with 3-piece boom
Hydraulic front centralizer, left
Hydraulic front centralizer, right
Special ground support
Steel wearing strips for chain feeds, 2 sets
Water flushing kit, 2 sets
Spare radio remote transmitter
Extra manuals, price will be added according to pricing sheet
Tools for RD106, field kit (not include punches)
Punches for RD106, workshop kit
Service agreement - select level from extra item

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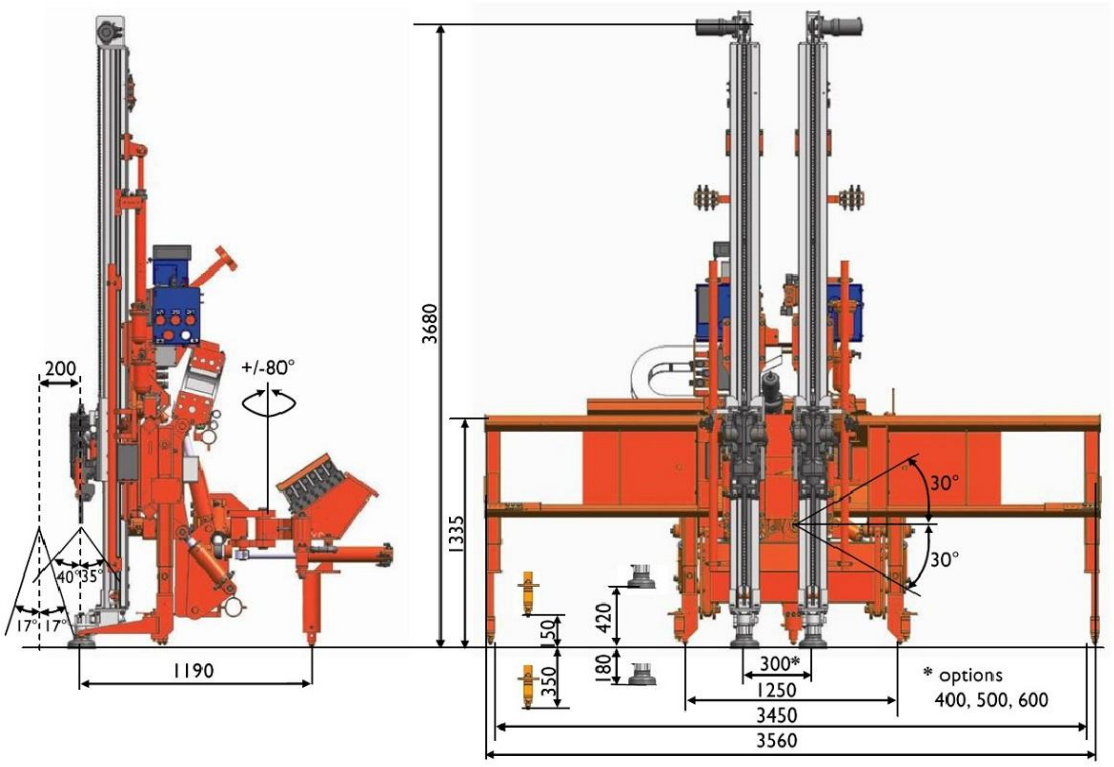
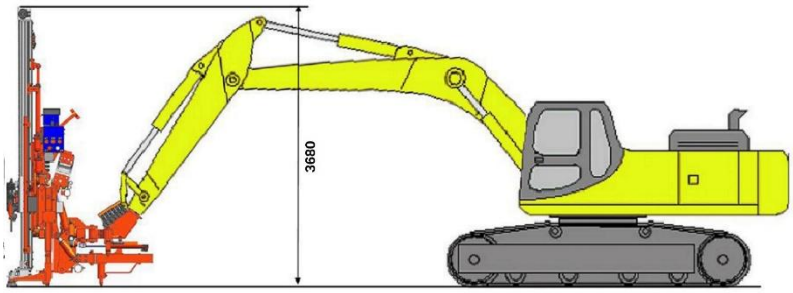
Coverage area and dimensions





DIMENSIONS	
Weight	3500 kg
Width	3 560 mm
Height	3 680 mm

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