

Hydraulic Drill Mast HDM-series



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Hydraulic drill masts as attachment for (mini-) excavators or skid steer loaders.

Successful concrete and rock drilling projects require accurate planning and execution. Drilling in concrete and hard rock demands reliable technology and high-grade drilling equipment.



ROCBO supplies drilling equipment of the highest quality. Our HDM-series has been developed in conjunction with every day users and Finland based rock drill manufacturer Doofor. Their experience combined with our technical know-how has resulted in a robust and powerful product. Available in standard size or custom made.

Rock drills in various power classes can be installed, depending on the desired drill diameters, depths and rock or concrete conditions. Doofor supplies Top Hammers for rotary percussive drilling.

Rock drills are equipped with threaded shank adaptor or hexagonal shanks. Flushing with air or water.

Optionally it is possible to exchange the rock drill for a hydraulic core drill, for those instances where core drilling is required.



Drilling attachment

Total length	3.150 mm
Drill depth (single pass)	2.000 mm
Hole diameter	20-65 mm
Weight incl. rock drill	190-205 kg
Weight incl. tilt rotator	310 kg
Feed swing	360°
Controls	Using Carrier controls

Rock drills

	Doofor DF430X	Doofor DF530X
Percussion power	5kW	10 kW
Single blow energy	55 J	106 J
Percussion pressure	120 bar	145 bar
oil flow	45 litres/min	55 litres/min
Rotation motor*	20.0 cm ³	20.0 cm ³
speed max.	200-300 rpm	150-300 rpm
torque	100 Nm	110 Nm
oil flow	10-15 litres/min	10/19 litres/min
gear ratio	47/17	52/17
Shank size	22mm [7/8"] or 25 mm [1"] X 108mm [4 1/2"]	22mm [7/8"] or 25 mm [1"] X 108mm [4 1/2"]
Shank lubrication air	300-400 litres/ min	200-300 litres/ min
Flushing air pressure	5-8 bar	12 bar
Flushing air flow	700-1200 litres/min	1200 litres/min
Flushing water flow	15-30 litres/min	40 litres/min
Weight	41 kg	55 kg

**other models available upon request*

Carrier

(mini-) Excavator	ton	1-10
Skid steer loader	ton	1-4

Accessories & options

Tilt Rotator
Connector / quick connect for excavator
Dust collector
Drill depth measuring device
Core drill motor
Drill rods & drill bits

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The hydraulic drill masts have the following outstanding characteristics:

- Aluminium feed beam ensures a robust drilling solution with a low weight
- Operation of drilling functions through available controls in excavator
- With optional tilt rotator drilling in almost any conceivable position is possible
- Dust free drilling with water flushing or optional dust extraction

Range of applications:

- Anchor hole drilling
- Dowel hole drilling
- Blast hole drilling
- Geotechnical drilling





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