

Doofor DF700S hydraulic rock drill

Description

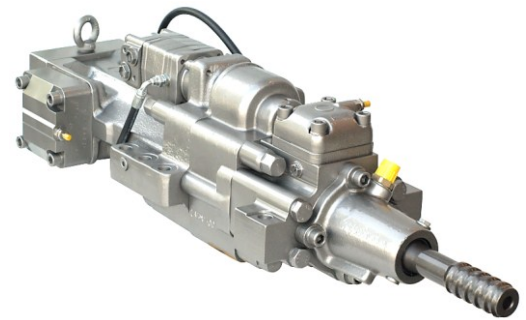
Doofor DF700S is a hydraulic rock drill for general excavations and underground production drilling. The Doofor DF700S is equipped with a separate side flushing box and a back hammer, which enables directing the blow energy upwards to remove stuck drill steels from the rock.

Drill hole flushing can be done with air or with water. The required air or water flow depends on the diameter of the hole. Flushing parts are made of bronze or plastic to minimize corrosion.

Doofor D700S –rock drill can be used with 51mm [2"] (*recommended*) or 45mm [1 3/4"] drill steels. Equivalent hole diameter is 102mm [4"] (maximum 127mm [5"]).

Shank adapters / striker bars are T45, T38 and T51. Shank adapters are available from number of manufacturers, including Doofor, Sandvik and Atlas Copco. Doofor DF700S utilizes Sandvik 800T rock drill shank adapters.

Sandvik and Atlas Copco are registered trademarks of their respective owners.



Technical data

	Metric	US cust.
Percussion power	22kW	29.91hp
Percussion oil pressure (oil flow)	120—140bar 130—150 litres/min	1740—2030psi 34.3—39.6gpm
Rotation torque, intermittent*	1650Nm	1217lb-ft
speed	90—180 RPM	90—180 RPM
oil flow*	40—82 litres/min	10.6—21.7gpm
Shank lubrication air	200—300 litres/min	53—79gpm
Flushing pressure, air	5—8bar	73—116psi
Flushing air flow	6000 litres/min	1585gpm
Flusing water flow	200 litres/min	52.8gpm
Weight	230kg	507lb

Feed force (pressure) must be adjustable during operation.

*) Numbers given are for standard rotation motor (200cm³) at a peak pressure of 175bar [2466psi]
Motor options are 80cm³, 100cm³, 125cm³, 160cm³, 200cm³, 250cm³.

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