

DF430S

HIGH-PERFORMANCE HYDRAULIC ROCK DRILL

Doofer DF430S is lightweight, high-frequency rock drills designed for use in general excavations, quarrying and bolting.

DF430S uses R25 or R28 male shank adapter with air or water flushing. The rock drill is equipped with a separate flushing box. Doofer DF430S is easy to maintain due to compact, modular design.

DF430S can be used with a Doofer original drill feed system component kit.

TECHNICAL SPECIFICATIONS

DOOFER DF430S DRIFTER

NOMINAL POWER CLASS		5 kW	6.7 hp
DRILL HOLE SIZE ⁴⁾		41 mm	1 3/5"
PERCUSSION FLOW		45 l/min	12 gpm
PERCUSSION PRESSURE		120 bar	1740 psi
ROTATION MOTOR MAXIMUM FLOW ¹⁾	12.5cc	25 l/min	6.6 gpm
	20cc	25 l/min	6.6 gpm
	32cc	25 l/min	6.6 gpm
	40cc	25 l/min	6.6 gpm
ROTATION TORQUE ¹⁾	12.5cc	64 Nm	47 lb-ft
	20cc	97 Nm	71 lb-ft
	32cc	158 Nm	116 lb-ft
	40cc	194 Nm	143 lb-ft
ROTATION PRESSURE MAXIMUM		140 bar	2031 psi
ROTATION SPEED MAXIMUM ²⁾	12.5cc	300 rpm	
	20cc	300 rpm	
	32cc	227 rpm	
	40cc	180 rpm	
LUBRICATION	Air-oil mist	125-200 g/h	4.9-7.8 fl oz/h (1.4-2.3 dl/h)
LUBRICATION PRESSURE		4-7 bar	58-101 psi
LUBRICATION AIR FLOW		200-300 l/min	53-79 gpm
FLUSHING AIR PRESSURE ³⁾		5-8 bar	73-116 psi
FLUSHING AIR FLOW ³⁾		700-1200 l/min	185-317 gpm
FLUSHING WATER PRESSURE ³⁾		4-12 bar	58-174 psi
FLUSHING WATER FLOW ³⁾		15-30 l/min	4-8 gpm
RECOMMENDED MAXIMUM FEED FORCE		3.7 kN	830 lbf
WEIGHT		50 kg	110 lb
SHANK SIZE		Male R25, R28	

1) Intermittent value.

2) Continuous value. Maximum recommended speed 300 rpm.

3) Actual values vary according to drilling conditions and equipment.

4) Maximum drill hole size in normal drilling applications.



CIVIL ENGINEERING, UNDERGROUND AND SURFACE

