

# DF500X HIGH-PERFORMANCE HYDRAULIC ROCK DRILL

Doofor DF500X is a high-power and high-frequency rock drill for general excavations, dimensional stone quarrying and other quarrying. The rock drill is equipped with a hexagonal female chuck. The rock drill uses air flushing.



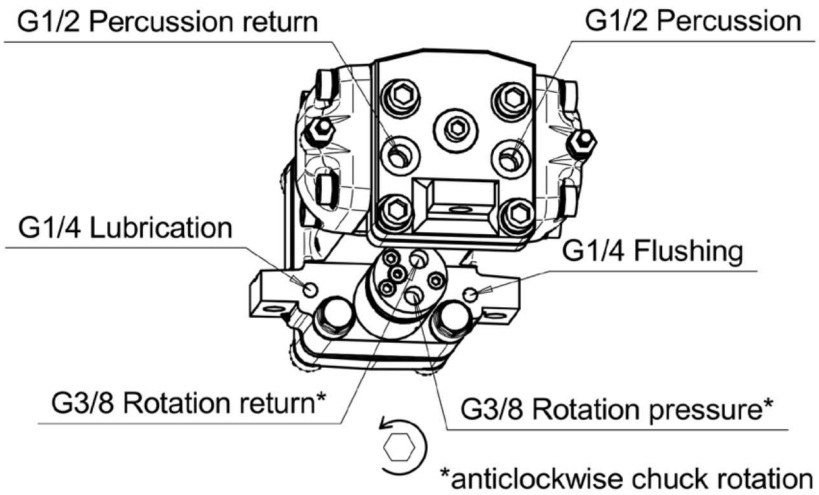
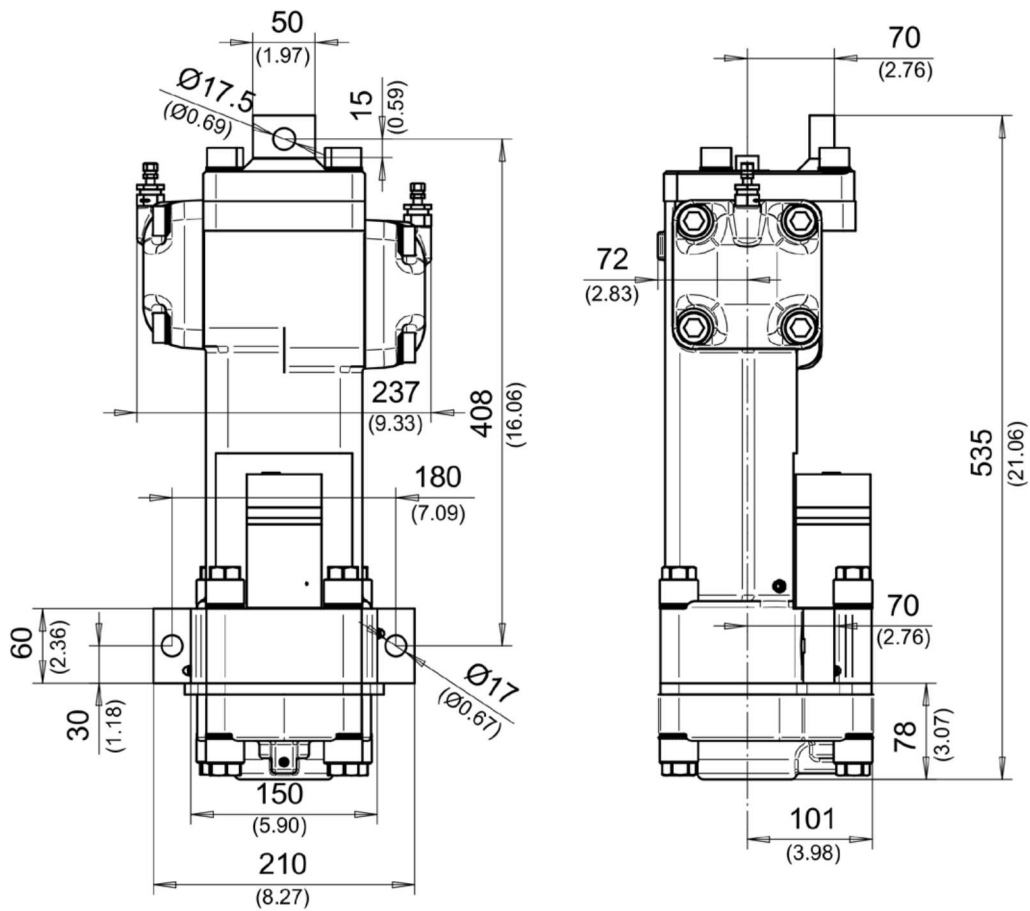
## TECHNICAL SPECIFICATIONS

### DOOFOR DF500X DRIFTER

NOMINAL POWER CLASS		10 kW	13.4 hp
OPTIMAL MAXIMUM HOLE SIZE		45 mm	1 3/4"
PERCUSSION FLOW		55–80 l/min	14.5–21.1 gpm
PERCUSSION PRESSURE		100–130 bar	1450–1885 psi
ROTATION MOTOR MAXIMUM FLOW <sup>1)</sup>	8cc	20 l/min	5.4 gpm
	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
	50cc	25 l/min	6.6 gpm
ROTATION TORQUE <sup>1)</sup>	8cc	46 Nm	34 lb-ft
	12.5cc	70 Nm	52 lb-ft
	20cc	107 Nm	79 lb-ft
	32cc	177 Nm	131 lb-ft
	40cc	214 Nm	158 lb-ft
	50cc	269 Nm	198 lb-ft
ROTATION PRESSURE MAXIMUM		140 bar	2031 psi
ROTATION SPEED MAXIMUM	8cc	300 rpm	
	12.5cc	300 rpm	
	20cc	300 rpm	
	32cc	200 rpm	
	40cc	163 rpm	
	50cc	130 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 <sup>1)</sup>		5–7 bar	73–102 psi
FLUSHING AIR FLOW <sup>1)</sup>		700–1200 l/min	185–317 gpm
RECOMMENDED MAXIMUM FEED FORCE		6 kN	1348 lbf
MAXIMUM OPERATING OIL TEMPERATURE		70 °C	158 °F
WEIGHT		55 kg	121 lb
SHANK SIZE		108mm [4 1/4"] * 22mm [7/8"] or 25mm[1"]	

<sup>1)</sup> Intermittent value.

<sup>2)</sup> Actual values vary according to drilling conditions and equipment.

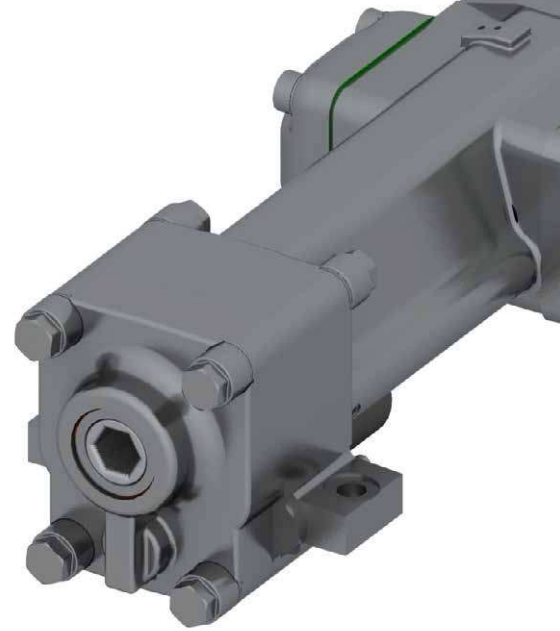


Alternative model DF500S with male shank adapters and water flushing capability is also available.



# DF530X HIGH-PERFORMANCE HYDRAULIC ROCK DRILL

Doofor DF530X is a new generation high-power and high-frequency rock drill for general excavations and quarrying. The rock drill is equipped with a hexagonal female chuck. The rock drill uses air or water flushing, high energy piston shape for good penetration speed in hard rock and good drill tool lifetime.



## TECHNICAL SPECIFICATIONS

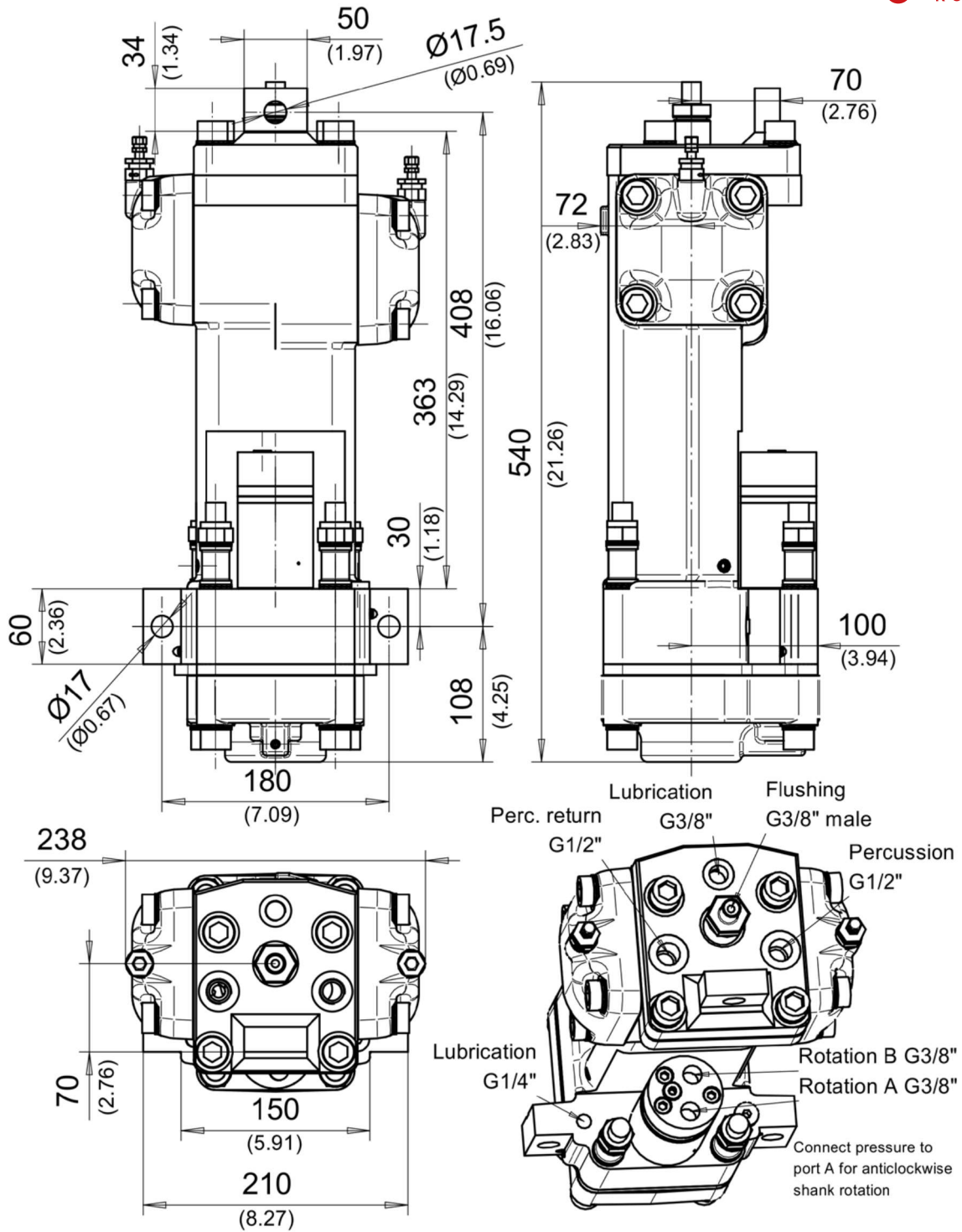
### DOOFOR DF530X DRIFTER

NOMINAL POWER CLASS		10 kW	13.4 hp
OPTIMAL MAXIMUM HOLE SIZE		45 mm	1 3/4"
PERCUSSION FLOW		45–55 l/min	11.9–14.5 gpm
PERCUSSION PRESSURE		100–130 bar	1450–1885 psi
ROTATION MOTOR MAXIMUM FLOW <sup>1)</sup>	8cc	20 l/min	5.4 gpm
	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
	50cc	25 l/min	6.6 gpm
ROTATION TORQUE <sup>1)</sup>	8cc	46 Nm	34 lb-ft
	12.5cc	70 Nm	52 lb-ft
	20cc	107 Nm	79 lb-ft
	32cc	177 Nm	131 lb-ft
	40cc	214 Nm	158 lb-ft
	50cc	269 Nm	198 lb-ft
ROTATION PRESSURE MAXIMUM		140 bar	2031 psi
ROTATION SPEED MAXIMUM	8cc	300 rpm	
	12.5cc	300 rpm	
	20cc	300 rpm	
	32cc	200 rpm	
	40cc	163 rpm	
	50cc	130 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 <sup>1)</sup>		5–12 bar	73–174 psi
FLUSHING AIR FLOW <sup>1)</sup>		700–1200 l/min	185–317 gpm
FLUSHING WATER PRESSURE <sup>1)</sup>		5–12 bar	73–174 psi
FLUSHING WATER FLOW <sup>1)</sup>		25–40 l/min	6.6–10.6 gpm
FLUSHING TEMPERATURE		3–30°C	37–86°F
RECOMMENDED MAXIMUM FEED FORCE		6 kN	1348 lbf
MAXIMUM OPERATING OIL TEMPERATURE		70 °C	158 °F
WEIGHT		55 kg	121 lb
SHANK SIZE		108mm [4 1/4"] * 22mm [7/8"] or 25mm[1"]	

<sup>1)</sup> Intermittent value.

<sup>2)</sup> Actual values vary according to drilling conditions and equipment.





Alternative models for DF530X include DF530S with male shank adapter, DF530F with female shank adapter and DF530L with two side rotation motors for extra torque.

