

FORDIA®

EXPLO



- Designed for shallow geotechnical investigation and geophysical (seismic) exploration, rotary drilling, coring, auger drilling or down-the-hole percussive hammer drilling
- Modular design facilitating mounting or dismounting of 6 elements in just a few minutes
- Can be mounted on a trailer or a 4WD carrier and 2 available motors
- CE certified

Dimensions on working position

Length: 1,450 mm (4.75 ft)

Width: 1,000 mm (3.28 ft)

Height : 2,300 mm (7.54 ft)

The **EXPLO** from Fordia is a light and portable drilling rig designed for shallow geotechnical investigation and geophysical (seismic) exploration using rotary drilling, drilling, coring, auger drilling or percussive drilling with a down-the-hole hammer.

The EXPLO rig is made of 6 fully dismountable parts which can be easily reassembled on site in only 5 to 10 minutes. With an aluminum transport skid, you can easily transport the EXPLO to any site, even those with difficult access.

This product is available with a choice of 2 motors: a gasoline Honda 20 HP engine or a Diesel Lombardini 19 HP engine.

The EXPLO can be used as shown or mounted on a trailer or 4WD carrier. Its light weight makes it easy to transport by helicopter. With its simple,

efficient and robust design, the EXPLO is adapted to the most demanding conditions and requires very little maintenance.

It is equipped with an efficient cooling system, suitable for hot climates.

The 6 different components, all portable, are :

- Skid
- Engine
- Rotation head
- Mast
- Hydraulic unit
- Control unit

ROTATION HEAD

	DESCRIPTION
STRUCTURE	Steel - safety hook for injection hose - Carrying handle
TRANSMISSION	Pinions
INJECTION SWIVEL	Air/water
MOTOR	Danfoss hydraulic
MAX. TORQUE	90 daNm
MAX. ROTATION SPEED	80 and 160 rpm
WEIGHT	46 kg (101 lb)

POWER PACK

	DESCRIPTION
GASOLINE ENGINE HONDA	20 HP
CHASSIS	Protective tubular skid
BATTERY	12V - Electric starter
GASOLINE TANK	22 L
TRANSMISSION	Hydraulic pump by capstan
WEIGHT	70 kg (154 lb)

HYDRAULIC UNIT

	DESCRIPTION
STRUCTURE	Aluminium
CAPACITY	30 L
COOLER	Integrated
HYDRAULIC PUMP	Triple
WEIGHT	65 kg (143 lb)

OPTIONS

	DESCRIPTION
MOTOR	Lombardini 19 HP or electric engine
ROD CLAMP	Hydraulic - 90 mm
OTHERS	Portable injection pump - Winch

WEIGHT

	METRIC	IMPERIAL
TOTAL	345 kg	760 lb

CHASSIS

	DESCRIPTION
SKID	Aluminium
CARRYING	4 handles
STABILIZATION	4 feet
MOUNTING	Guiding slide for easy mounting of the engine and hydraulic tank
WEIGHT	65 kg (143 lb)

MAST

	DESCRIPTION
STRUCTURE	Aluminium
CARRYING	Handle
TRANSLATION	Hydraulic motor and chain
GUIDING SLIDES	Dismountable stainless steel
PULL-BACK CAPACITY	1,500 kg (3,307 lb)
PUSH-DOWN THRUST	500 kg (1,102 lb)
STROKE	1,800 mm (5.90 ft)
WEIGHT	75 kg (165 lb)

CONTROL PANEL

	DESCRIPTION
DISTRIBUTORS	Hydraulic for feed and rotation
PUSH-DOWN THRUST ON BIT	Adjustable
WEIGHT	25 kg (55 lb)