

# Pre-Owned Equipment

## **GUIDED AUGER BORING EQUIPMENT**

**SPECIFICATION** 



MAIN COMPONENTS					
No.	Description	Quantity			
1	PBA85V Thrust Boring Machine cpl.	1			
2	HS90 Hydraulic Power Pack	1			
3	HP Hose Set for HS90 x 20m	1			
4	BMA1000 1,000 ltr Flushing Pump & Tank	1			
5	Water Swivel for 114,3mm Pilot Rods	1			
6	Water Swivel Drive for Augers	1			

OEN STEERING SYSTEM & PILOT RODS					
No.	Description	Quantity			
1	Oen System—Perforcam Nova	1			
2	Perforlux Target 602	1			
3	Electronic Level	1			
4	Bung for Pilot Rods	1			
5	114.3 Double Wall Pilot Rods	40			
6	Steering Head & Seat (Flushing)	1			
7	Water Swivel to Pilot Rods / short version	1			
8	Pilot Rod Clamps	3			
9	Pilot Rod Splitter	1			



DN150 EQUIPMENT					
No.	Description	Quantity			
1	Hinged Clamp Plate 219mm Dia	1			
2	Screw Type Steel Casing 219mm Dia x 1,000mm	39			
3	Cutting Shoe 219mm Dia x 1,000mm Long	1			
4	Auger 50mm Hex x 180mm Dia x 1,000mm	39			
5	Lead Auger 50mm Hex x 190mm Dia x 1,000mm	1			
6	Wing Cutter 50mm Hex 180/230mm Dia	1			
7	Tooth Cutter 50mm x 180mm Dia	1			
8	219mm Dia Casing Spanners	3			
9	Adaptor Casing 219mm Dia/DN150	1			
10	Thrust Plate DN150	1			









# Pre-Owned Equipment

## **GUIDED AUGER BORING EQUIPMENT**

**SPECIFICATION** 



DN225 EQUIPMENT					
No.	Description	Quantit			
1	Hinged Clamp Plate 305mm Dia	1			
2	Screw Type Steel Casing 305mm Dia x 1,000mm	39			
3	Cutting Shoe 225mm Dia x 1,000mm Long	1			
4	Auger 50mm Hex x 280mm Dia x 1,000mm	39			
5	Lead Auger 50mm Hex x 285mm Dia x 1,000mm	1			
6	Wing Cutter 50mm Hex 280/320mm Dia	1			
7	Tooth Cutter 50mm x 280mm Dia	1			
8	305mm Dia Casing Spanners	3			
9	Adaptor Casing 305mm Dia/DN225	1			
10	Thurst Plate DN225	1			
		-			



DN300 EQUIPMENT					
No.	Description	Quantity			
1	Hinged Clamp Plate 419mm Dia	1			
2	Screw Type Steel Casing 419mm Dia x 1,000mm	39			
3	Cutting Shoe 419mm Dia x 1,000 Long	1			
4	Auger 76mm Hex x 380mm Dia x 1,000mm	39			
5	Lead Auger 76mm Hex x 385mm Dia x 1,000mm	1			
6	Wing Cutter 76mm Hex 380/430mm	1			
7	Tooth Cutter 76mm x 380mm Dia	1			
8	419mm DiaCasing Spanners	3			
9	Adaptor Casing 419mm Dia/DN300	1			
10	Thrust Plate DN300	1			





# Pre-Owned Equipment

#### **GUIDED AUGER BORING EQUIPMENT**

**SPECIFICATION** 





### THRUST BORING MACHINE PBA85V

New/Used

Used

**Year of Construction** 

2015

Available in the following shaft / pit dimensions:

- Shaft Ø 2.100 mm to use tooling equipment 1.000 mm
- Square pit plus applications with extension frame to use tooling equipment longer than 1.000 mm

#### **TECHNICAL DATA**

#### **GEARBOX**

**Hydraulic Motors** 

Left- and right-hand drive

No. Hydraulic Motors

2 / V Design 4

Max. Working Pressure

200 bar

**Construction Type** 

Spur Gear System

**Torque** 

9.000 Nm / V Design 1800 Nm

**Rotation Speed** 

60 rpm / V Design 30

**Tool Joint** 

Hex 50 / 60 / 76

#### **GEARBOX FORWARD FEED**

**Construction Type** 

1 hydraulic cylinders

Stroke

125 mm

#### **FORWARD THRUST**

No. Hydraulic cylinders

Max. Working Pressure

320 bar

Max. Thrust Force

850 kN

Max. Retraction Force

460 kN

**Stroke** 

225mm

#### **DIMENSIONS**

Max. pipe OD

660 mm

Max. pipe length in

1.000 mm

base frame

1.240 mm

Width of basic device Height bottom to pipe axle

600 mm (approx)

1.950 mm

Length of basic device

Length of extension

frame

Optional 1.000 mm, 2.000 mm,

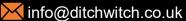
3.000mm

Weight of Basic Machine

1.800 kg (approx)

www.ditchwitch.co.uk





For more information please contact





# Pre-Owned Equipment

#### **GUIDED AUGER BORING EQUIPMENT**

SPECIFICATION

#### **POWER PACK HS90**

New/Used

Used

**Year of Construction** 

2015

- Module construction. One Body for all power packs.

- Fork truck & crane transportation possibly.

- Lorry across loading possibly.

-	=(	N	IIC	м	ח	w	-	Λ
						А		

Motor

4 Cylinder turbo diesel engine

Type

Deutz TDC2013 COM111

**Power** 

93 kW

**Rotation Speed** 

1,900 rpm

**Hydraulic Pumps** 

Fully refurbished Hydraulic Pump

04/2021

**PUMPS** 

**Working Pressure** 

P1 Rotate: 250 bar

P2 Thrust: 33 bar

P3 Bentonite: 200 bar

Delivery

P1 = 165 I/min

P2 = 42 I/min

P3 = 39 I/min

**DIMENSIONS** (approx.)

Height

2.250 mm

Width

1.450 mm

Length

2.350 mm

**Power Pack Weight** 

2.600 kg

**HP** hoses Weight

200 kg

**TANK CAPACITY** 

Hydraulic oil

350 I

Diesel Voltage 230 I 24 V

**Hydraulic Oil** 

System is filled with New biodegradable

46 hydraulic oil

**Hvdraulic Filters** 

All Hydraulic filters have recently been

## OPTICAL-ELECTRONIC-NAVIGATION

- For application with piloting system to install gravity pipe-
- Optical signal transmission to TFT-monitor.
- Water proof IP66

#### **TECHNICAL DATA**

Optic

Leica optic

Voltage

+12 V

**Tolerance** 

+ / - 15mm at 100m

**Optical View** 

1-150m

**Digital Zoom** 

4 times

**Monitor** 

TFT—high brightness

Internal heating (PTC)

Active below +15°C up to -25°C

Inside temperature

Voltage

12-24 V (Internal reverse battery

protection)

Watt

**OSD Display** 

GPS NMEA 0183 (longitude & latitude) Slope indication in steps of 0, 1mm/m

Distance indication

#### **PERFOLUX**

Voltage 2 x 1,5 V Battery LR 20

**Luminating Time** 

320 Hours (approx)

**Supply Cable** 

20m

**Power Cable Length** Data Wire (monitor/

10m

camera) length **Bentonite station BMA 100** 

Existing of: Base Frame, Tank 1000 Ltr, Mixing System, Bentonite pump c/w filter, Connection f. water c/w high-pressure cleaner.

#### **TECHNICAL DATA**

**Pressure** 

160 bar

Hydraulic motor for bentonite pump

**Pressure** 

160 bar

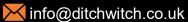
**Delivery** 

45 I / min

**Rotation Speed Max.** 

570 rpm





For more information please contact

