



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

For more information please contact





Ditch Witch[®]
UK & Ireland

Pre-Owned Equipment

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DN225 EQUIPMENT

No.	Description	Quantity
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	Thrust 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 Dia Casing Spanners	3
9	Adaptor Casing 419mm Dia/DN300	1
10	Thrust Plate DN300	1



For more information please contact

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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	4
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 base frame	1.000 mm
Width of basic device	1.240 mm
Height bottom to pipe axle	600 mm (approx)
Length of basic device	1.950 mm
Length of extension frame	Optional 1.000 mm, 2.000 mm, 3.000mm
Weight of Basic Machine	1.800 kg (approx)



For more information please contact



GUIDED AUGER BORING EQUIPMENT

SPECIFICATION

POWER PACK HS90

New/Used | Used

Year of Construction | 2015

Construction:

- Module construction. One Body for all power packs.
- Fork truck & crane transportation possibly.
- Lorry across loading possibly.

TECHNICAL DATA

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 l/min P2 = 42 l/min P3 = 39 l/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 l
Diesel	230 l
Voltage	24 V
Hydraulic Oil	System is filled with New biodegradable 46 hydraulic oil
Hydraulic Filters	All Hydraulic filters have recently been

OPTICAL-ELECTRONIC-NAVIGATION

- For application with piloting system to install gravity pipe-lines.
- 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	30
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	
Power Cable Length	20m
Data Wire (monitor/camera) length	10m

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 l / min
Rotation Speed Max.	570 rpm



For more information please contact