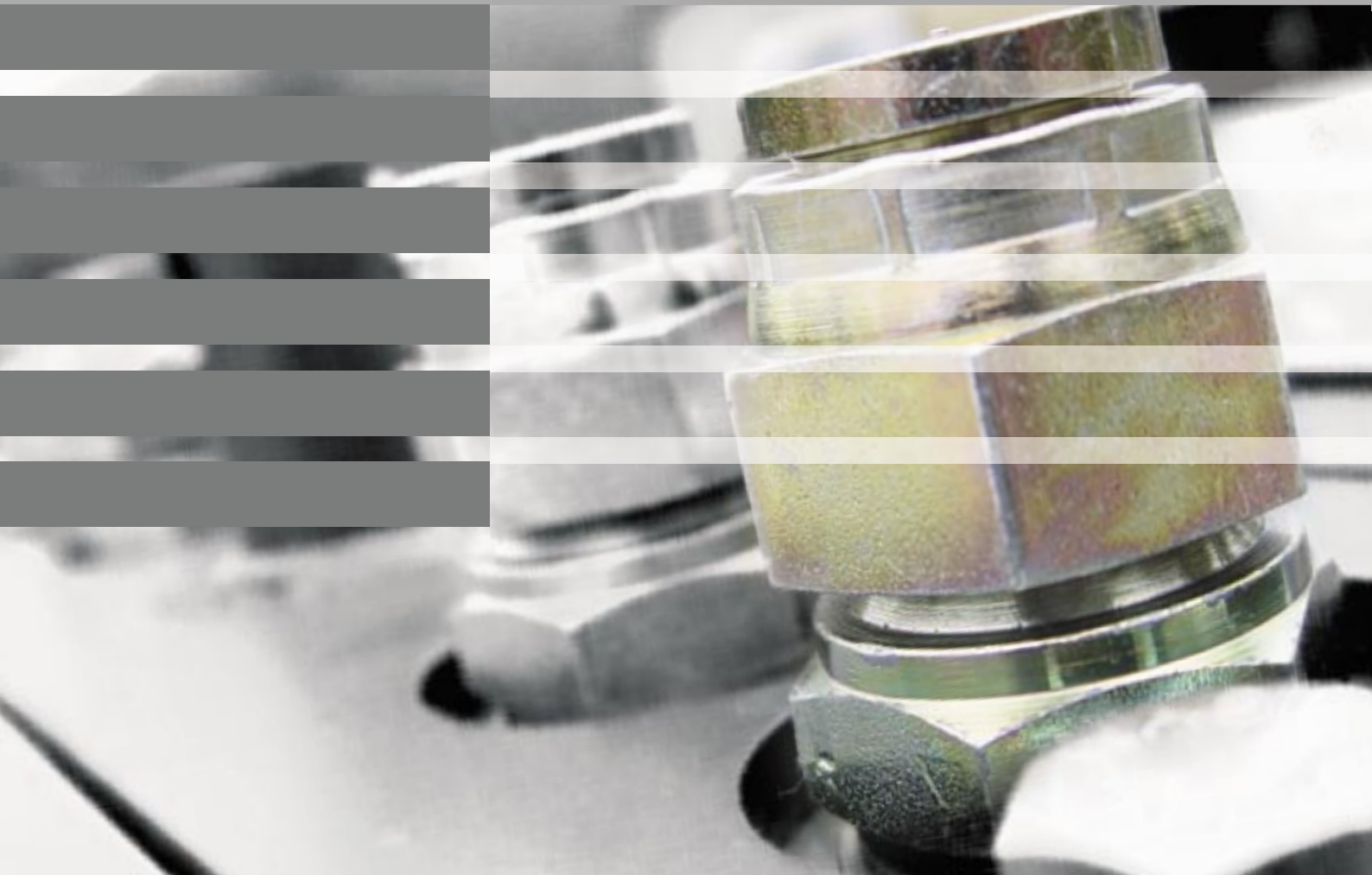


Hydrostatic PIPEBURSTER Systems T45 - T65 - T85 - T175

SPECIFICATIONS
ACCESSORIES



Company profile

Scandinavian No-Dig Centre proudly presents; System No-Dig.
A complete line of professional equipment for the No-Dig industry!

The equipment is used for the rehabilitation of all existing; water,
gas & sewage pipe lines.

Innovative designs and solutions used for Pipebursting, Swage
lining, Close Fit Re-lining and Cable insertions, have turned the
company into one of the mayor players in the No-Dig business.

Represented in most parts of the world, the Scandinavian No-Dig
Centre is not only known as a supplier, but also as knowledge-
centre for civil engineers, municipalities and contractors using the
equipment.

Original Scandinavian Design and tailored solutions have made the
well known System No-Dig Trade Mark one of the most popular
rehabilitation systems in the world.

02 - About No-Dig

04 - T45 Pipeburster

06 - T65 Pipeburster

08 - T85 Pipeburster

10 - T175 Pipeburster

12 - Power pack

14 - Accessories

About No-Dig

Appendix





Hydrostatic Pipeburster - model T45

Close-up

Hydrostatic Pipeburster - model T45

The T45 Pipeburster with its 40 tonnes static pull back power, is capable of replacing existing pipes from; Ø 40 mm. up to Ø 200 mm.

The model is the narrowest machine on the market. This makes the T45 a highly flexible, light-weight unit, which fits in between even the closest parallel installations.

T45 is remote controlled and mounted with a built-in emergency strike system for safety.

Technical specifications:

	T45 Pipeburster	T45 Power pack
Length:	1.80 meter	1.50 meter
Width:	0.23 meter	0.95 meter
Height:	0.70 meter	0.98 meter
Weight:	450 kg	550 kg

The T45 Pipe burster operates with two sizes of solid steel rod systems; Ø 45 mm as standard and the smaller Ø 35 mm. system, which allows the machine to replace pipes as small as Ø 40 mm.

The recommendable maximum length of replacing an existing pipe is 150 meters.

All steel rods are threaded in both ends and handled by a fully automatic unit called; "ARD45". The automatic rod device spins the rods on and off and thereby minimizes any manual work whilst handling the round rods.

Approximately 45 min. is used to replace 100 meters of existing pipe.

Recommended dimensions for the T45 Pipeburster excavation:

Length:	3.00 meter
Width:	0.60 meter
Depth:	0.13 meter "below centre line of existing pipe"





Hydrostatic Pipeburster - model T65

Close-up

Hydrostatic Pipeburster - model T65

The T65 Pipeburster with its 65 tonnes static pull back power, is capable of replacing existing pipes from; Ø 40 mm up to Ø 300 mm.

Being one of the narrowest models on the market, the T65 is a highly flexible unit which can be used where similar classed machines are too wide.

T65 is remote controlled and mounted with a built-in emergency strike system for safety. Further more, the machine is fitted with a unique fully automatic “two-speed control system” This system allows the unit to operate in high speed mode when pushing or pulling the steel rod system through the existing pipe.

Technical specifications:

	T65 Pipeburster	T65 Power pack
Length:	2.10 meter	1.50 meter
Width:	0.40 meter	0.95 meter
Height:	0.80 meter	0.98 meter
Weight:	1.150 kg	550 kg

The T65 Pipeburster operates with two sizes of solid steel rod systems; Ø 50 mm as standard and the smaller Ø 35 mm. system which allows the machine to replace pipes as small as 40 mm.

The recommended maximum length of replacing an existing pipe is 150 meters. All steel rods are threaded in both ends and handled by a fully automatic unit called; “ARD65” The automatic rod device spins the rods on and off and thereby minimizes any manual work whilst handling the round rods.

The ARD65 is powered by the T65 power pack. Approximately one hour is used to replace 100 meters of any existing pipe.

Recommended dimensions for the T65 Pipeburster excavation:

Length:	4.00 meter
Width:	1.00 meter
Depth:	0.20 meter “below centre line of existing pipe”





Hydrostatic Pipeburster - model T85

Close-up

Hydrostatic Pipeburster - model T85

The T85 Pipeburster with its 85 tonnes static pull back power, is capable of replacing existing pipes from; Ø 75 mm. up to Ø 400 mm.

Being one of the most power full and compact mid-range pipebursters on the market the T85 caters for a large percentage of work available in the industry. The T85 is fitted with a double set of hydrostatic jaws which makes it possible to replace up to 250 meters in one single operation.

T85 is remote controlled and mounted with a built-in emergency strike system for safety. Further more; the machine is fitted with a unique fully automatic "two-speed control system" This system makes the unit able to operate in a high speed mode when pushing or pulling the steel rod system through the existing pipe.

Technical specifications:

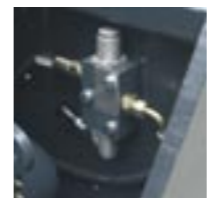
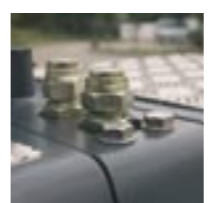
	T85 Pipeburster	T85 Power pack
Length:	1.80 meter	2.10 meter
Width:	0.70 meter	1.35 meter
Height:	1.10 meter	1.25 meter
Weight:	3.200 kg	1.450 kg

The T85 Pipeburster operates with 50 mm solid steel rods as standard.

All steel rods are threaded in both ends and handled by a fully automatic unit called; "ARD85" The automatic rod device spins the rods on and off and thereby minimizes any manual work whilst handling the round rods. The ARD85 is powered by the T85 power pack. Approximately one hour is used to replace 100 meters of any existing pipeline.

Recommended dimensions for the T85 Pipeburster excavation:

Length:	3.00 meter
Width:	1.30 meter
Depth:	0.35 meter "below centre line of existing pipe"





Hydrostatic Pipeburster - model T175

Close-up

Hydrostatic Pipeburster - model T175

The T175 Pipeburster with a total of 175 tonnes static pull back power, is capable of replacing all existing pipes from; Ø 90 mm. up to Ø 700 mm. depending on ground conditions.

This model is the most compact version on the market over 100 metric tonnes pull back capacity. Due to the special design which includes a double hydrostatic jaw system, 250 meters can be achieved in one single operation

T175 is remote controlled and mounted with a built-in emergency strike system for safety. Further more, the machine is fitted with a unique fully automatic "two-speed control system" This system allows the unit to operate in high speed mode when pushing or pulling the steel rods through the existing pipe.

Technical specifications:

	T175 Pipeburster	T175 Power pack
Length:	1,80meter	2.10 meter
Width:	0,80 meter	1.30 meter
Height:	1.20 meter	1.25 meter
Weight:	3.200 kg	1.450 kg

The T175 Pipeburster operates with 70 mm. solid steel rods as standard.

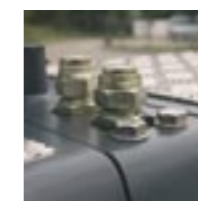
All steel rods are threaded in both ends and handled by a fully automatic unit called; "ARD175" The automatic rod device spins the rods on and off and thereby minimizes any manual work whilst handling the round rods.

The ARD175 is powered by the T175 power pack.

Approximately one hour is used to replace 100 meters of any existing pipeline.

Recommended dimensions for the T175 Pipeburster excavation:

Length:	4.00 meter
Width:	1.50 meter
Depth:	0.35 meter "below centre line of existing pipe"



Hydraulic power packs:

The System No-Dig pipebursters are all powered by modern state-of-the-art power packs. The units are all fitted with the following features:

- Separate hydraulic oil cooling system.
- Low flow / high pressure hydraulic oil pump system.
- Remote & stationary operational options.
- Low emission water cooled Kubota diesel engines.
- Easy access maintenance areas.
- Can operate between -40°C. and +60°C.
- Desert air-filter systems, optional!

Power pack T45/T65:

Kubota diesel. 3 Cyl. 25 bhp. /3000 rpm.

Hydraulic resoir holds 100 litres.

1 variable displacement pump system.

Operational oil pressures level; 250 bars.

Remote and stationary emergency systems.

All System No-Dig power packs are built on a heavy duty steel frame and driven by water cooled Kubota diesel engines.

A separate hydraulic oil cooling system makes the equipment capable of operating under extreme temperature conditions from -40°C to +60°C. Special sound proof materials and various filters are used to comply with some of the most strictly emission regulations like the "U. S. Environmental Protection Agency", (EPA) and the "California Air Resources Board", (CARB).

The T65 and T175 power pack can easily be adjusted to operate both the T45 and T65 pipe burster rigs.

Power pack T85/T175:

Kubota diesel. 4 Cyl. 68 bhp. /2600 rpm.

Hydraulic resoir holds 160 litres.

2 variable displacement pump system.

Operational oil pressures level; 250 bars.

Remote and stationary emergency systems.



Close-up

Power pack T85 / T175

Accessories

Steel rods:

All steel rods used with the System No-Dig, are round and solid. Different diameters are available across the pipeburster program:

Ø35 mm. steel rod.

Used as an optional steel rod for the pipeburster model: T45 & T65.

The Ø 35 mm. steel rod makes it possible to replace existing pipes from Ø 40 mm. inside diameter.

Weight; one rod: 7.5 kg.

Length: 1 meter.

Ø45 mm. steel rod.

Used as standard for the pipeburster model: T45.

The Ø 45 mm. rod makes it possible to replace existing pipes from Ø 50 mm. inside diameter.

Weight; one rod: 12 kg.

Length: 1 meter.

Ø50 mm. steel rod.

Used as standard for the pipeburster models: T65 & T85.

The Ø 50 mm. rod makes it possible to replace existing pipes from Ø 60 mm. inside diameter.

Weight; one rod: 15 kg.

Length: 1 meter.

Ø70 mm. steel rod.

Used as standard for the pipeburster model: T175.

The Ø 70 mm. rod makes it possible to replace existing pipes from Ø 90 mm. inside diameter.

Weight; one rod: 30 kg.

Length: 1 meter.

Extension frame:

When the actual pipe replacement job has been completed, an extension frame is positioned between the trench-wall and the pipeburster. The extension frame allows the machine to pull the bursting head and the new HDPE pipe out of the ground into the receiving pit.

The extension frames varies in size according to: Pipeburster model and actual HDPE pipe size.



Accessories - Bursting Heads

The System No-Dig Pipe bursting program operates with three different types of bursting heads;

Cracking head

One-blade cutting head

Three-blade cutting head



The Cracking head is a hollow centric bursting head available in all standard sizes from Ø90 mm and up.

It is used in where the existing pipe is made of: **Concrete, Asbestos or other fragile materials.**

Due to the centric design the cracking head expands the surrounding ground material equally 360° and makes it possible to install the new product pipe in grade with the existing pipe line.



The one-blade cutting head is a hollow eccentric bursting head available in all standard sizes from Ø 63 mm and up.

It is used in where the existing pipe is made of: **Steel, Cast iron, Ductile iron or re-enforced concrete.**

The eccentric design provides maximum support from the existing pipe to the actually cutting point.

The single blade on the bursting head cuts the existing pipe at one place only.

The mid-section of the bursting head expands and opens the existing pipe.

The rear end of the head stabilizes the surrounding environment, to minimize the friction between the ground and the new product pipe during installation



The three-blade cutting head is a hollow centric bursting head available in all standard sizes from Ø 63 mm and up.

It is used in where the existing pipe is made of: **HDPE material or PVC material.**

The three-blade design ensures the opening of the existing plastic pipe at three points.

This eliminates most of the friction between the existing pipe and the new product pipe during installation.

The centric design achieves optimal gravity angle similar to the existing installation.



Towing head:

The Towing head is a standard product available in sizes from Ø 20 mm. and up.

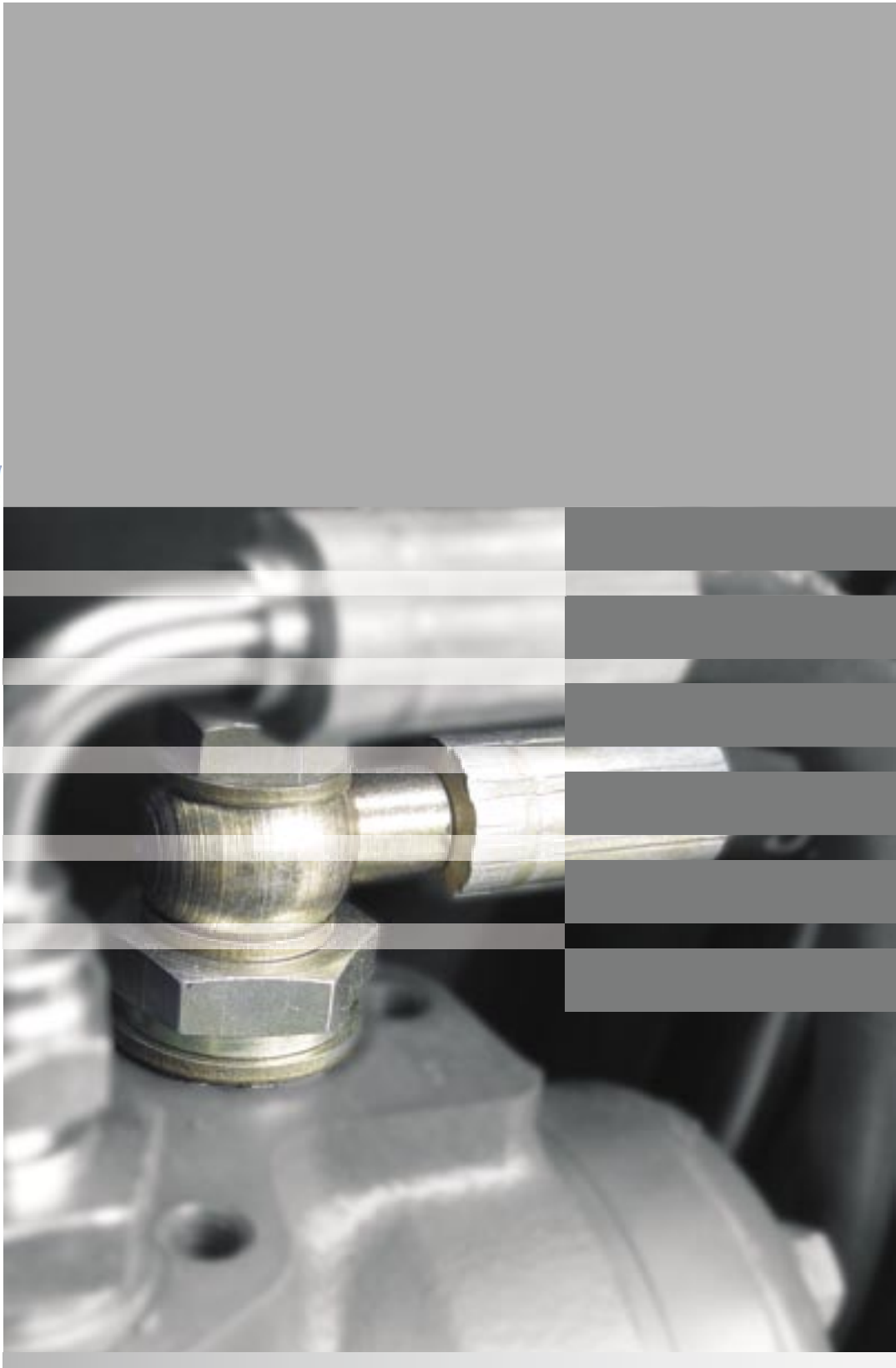
The towing head system fits SDR 11 / 17 specifications as standard. The gripper sets on the head can easily be changed to accommodate all other SDR numbers.

Water tight models of the towing head are available.

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