You will return to the contents of P1 SOIL by clicking the pictogram



Because of the mobility of the percussion drilling equipment and its ready capacity to solve problems, percussion drilling equipment has earned its place beside standard hand drilling equipment.

If drilling has to be executed in hard soils, possible containing layers of rubble and/or stones usually percussion drilling is applied.

In case of percussion drilling the percussion gouges, fitted with a hardened cutting head, are driven into the soil using a percussion hammer.

By executing this procedure step-wise the introduction and extraction of the gouges is simplified and contamination is avoided as much as possible.

Samples taken applying percussion drilling suffer minimal disturbance.

A dense sample grid is possible in relatively short time due to fast and simple sampling. Ergonomic operation is improved as 1.0 m extension rods as well as 0.5 m extension rods are available.

can be deployed on dump sites or in urban areas. The percussion gouges can be used above as well as under the groundwater level.

The percussion gouge can also be used for manual bailer boring drilling in order to penetrate a rubble layer.

Percussion drilling for instance is applied for research on soil pollution, grain size distribution, general soil classification, profile descriptions, etc.

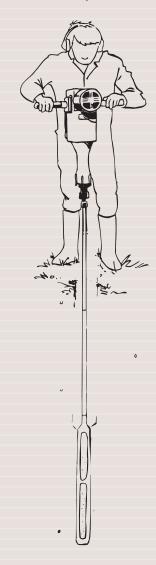
A percussion drilling installation is a complete and many sided sampling system for sampling up to a depth of between 5 to 10 meter in almost all (not too) hard types of soil.

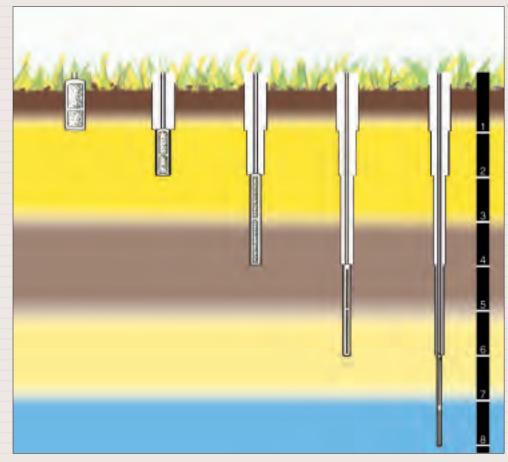
In concrete or road decks and slabs holes are normally drilled by a diamond saw company prior to percussion drilling.

The percussion gouge also penetrates rubble and thus

P1.21

By hammering the percussion gouges step-wise into the soil, contamination is avoided and extraction is simplified.





Step-wise sampling by using percussion gouges with various diameters

Percussion drilling set

- Ideal for soil with bricks, large or many stones
- The solution for city centres / industrial sites
- Beautiful clean samples, no lubricants used
- Extremely sturdy rods and gouges
- Diameters allow efficient, rapid and light work
- · Can be combined with liner or foil sampling

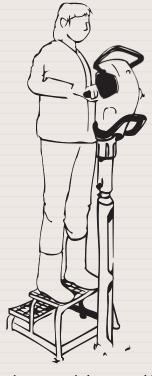




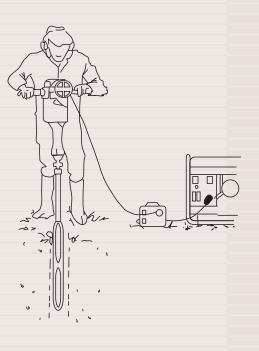
You will return to the contents of P1 SOIL by clicking the pictogram

P1.21

Using stairs for more ergonomical sound field work.



A percussion gouge is hammered into the soil with a electrical percussion hammer.



Percussion drilling sets

04.19.SC Percussion drilling set for heterogeneous soils with gasoline powered percussion hammer Cobra TT

The standard set is equipped for drilling to a depth of up to 5 meter. The complete set contains: a gasoline driven percussion hammer with accessories and wooden transport box, various extension rods, coupling sleeves, percussion gouges (combination type for various types of soil) in various diameters and lengths, a core sampler for pvc sample tubes and foil liners, a mechanical rod puller, an universal casing and rod puller clamp, a rod puller extension for the extraction of the first gouge, a crow bar, accessories to empty and clean the gouge, a lifting jack with lever and chain, an utility probe for safe cable finding, stairs for use with the percussion hammer in the field, etc., and aluminium transport cases.

04.19.SD Percussion drilling set for heterogeneous soils with light electrical percussion hammer

04.19.SE Idem, with heavy hammer

Using these sets the percussion gouges are hammered into the soil using an electrically driven percussion hammer with resp. 33.7 and 36.4 Joule beating power. The advantages of these hammers are: no petrol vapors and exhaust gasses directly over the sample. The sets contain: an electrically driven percussion hammer with accessories, an aggregate (continuous power 3300 W), an insulation guard, various extension rods, coupling sleeves, percussion gouges (combination type) in various diameters and lengths, a core sampler for pvc sample tubes and foil liners, a mechanical rod puller, an universal casing and rod puller clamp, a rod puller extension, accessories to empty and clean the gouge, a lifting jack with lever and chain, an utility probe for safe cable finding, stairs, etc. and aluminium transport cases.



Percussion drilling set with gasoline powered percussion hammer (04.19.SC)

You will return to the contents of P1 SOIL by clicking the pictogram



Percussion gouges

Percussion gouges can be used to take reasonably undisturbed samples from depth to about 10 metres, without the use of drilling liquid (sample suitable for chemical analysis). The percussion gouges of Eijkelkamp Agrisearch Equipment are very strong due to the choice of the used material and production method (special welding techniques and hardening) and the special design. Thanks to this special design the beating power of the percussion hammer is passed on in a optimal way to the percussion gouges, resulting in a higher drilling speed. The design also enables easy emptying and cleaning. Depending on the soil type, drilling depth and desired quantity of sample one of various gouge types is chosen.

Percussion gouges are supplied in two designs:

- A combination type for use in all kinds of soils.
- A sand type with core catcher for loose sandier soils.

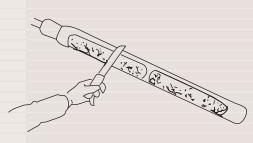
The combination type percussion gouge is available in various diameters 40, 50, 60, 75 and 100 mm and with a length of 50, 100 and 200 cm (the longest only for the smaller diameters). The sand type percussion gouge is only available with a length of 200 cm and a diameter of 50 mm. All percussion gouges have a hardened steel cutting head.

RD32-connection

With the RD32-connection (where RD32 represents 32 mm Ronde Draad or Round Thread) extension rods and percussion gouges are screwed together using a coupling sleeve. The RD32-connection takes very little time to attach and take off. The RD32-rods connect together by means of a coupling sleeve, which means that the massive extension rods have the same diameter along the entire length, which makes them very strong. Generally speaking, the RD32-connection can be pulled out with the use of standard extraction equipment.

P1.21

The sample is leveled off.



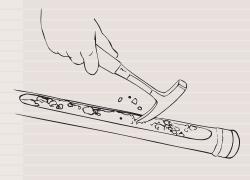


Percussion gouges in various diameters



RD32-connection

Using the hammer for geologists to empty the gouge.



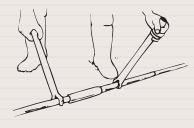




You will return to the contents of P1 SOIL by clicking the pictogram

P1.21

Connecting the extension rods with RD32-connection by means of the coupling sleeve.



The transparent sampling tube is fitted in the core sampler.



Core sampler

In addition to ordinary percussion gouges it is possible to apply a core sampler with a synthetic sampling tube or foil liners. These are transparent to facilitate immediate visual inspection in the field. The special cutting head has been fitted with an exchangeable core catcher in order to avoid loss of sample or sample contamination. The undisturbed sample can be sealed for transport to a laboratory. Limitations: gouges will not penetrate wood, roots, soft rock, large stones or sound concrete.

Foil insertion kit for core sampler

A set with which you can use the core sampler of the percussion drilling set with a thin PE foil liner. Over the years there where some remarks/complaints about the fact that it was a very difficult and elaborate job to get the sample out of the tube. It was only possible either by cutting or sawing to get to the sample. With the new system this transparent synthetic sampling tube is replaced by a long plastic foil. The advantages are evident; much lighter



Core sampler with sample tube



Sampler, cutting head and core catcher

material, easy to remove foil, same results and not at least, it is much cheaper. The foil insertion kit can only be used in combination with the left hand threaded core sampler 63 mm in combination with RD32 couplings.

Transport

For easy and ergonomical sound transportation of all kinds of field equipment Eijkelkamp Agrisearch Equipment has included some means of transport in the product range.

99.14 Fieldcart

You are also fully-mobile in the field with the collapsible fieldcart. The sturdy aluminium construction makes the fieldcart (with inflatable tires) very suitable for carrying all kinds of equipment in the field to a maximum loading weight of 150 kg. The cart is suited to transport packages with dimensions 120 x 56 cm. The cart, when folded (107 x 27 x 58 cm), takes up very little room, weighs only 15 kg and can be easily transported in a station car.



Foil insertion kit for core sampler



Fieldcart folded and un-folded

Core sampler

- * The cheapest way to get a sample in a liner.
- * No hassle to remove sample from liner; no extra tools needed.
- * Simple to use
- * No compaction of sample
- * Hygienic / ergonomic / safe
- * Core sampler can also be used with normal liners and core catcher.

You will return to the contents of P1 SOIL by clicking the pictogram



P1.21

Extraction systems

Without too much effort the gouges can be extracted from the soil by using rod pullers, which can be provided in different designs.

The first gouge can easily be extracted using a rod puller fitted with a rod puller extension system. If the gouge still is partially stuck in the top soil, then it can be removed using a lifting jack with lever and chain (see P1.09).

In case of the other (deeper) gouges, the mechanical rod puller can be placed directly on the surface of the soil. The mechanical rod puller can be supplied in a 1- or a 2-man operated version.

The 1-man operated mechanical rod puller has a pull-up force of 20 kN and a usefull length of about 70 cm. The 2-man operated version has a pull-up force of 40 kN. Crow bars with a length of 1.9 m are supplied separately. Once the gouge has been freed it can be pulled from the bore hole using a ball clamp diameter



Rod puller extension for the first gouge



Pulling device with clamping jaw

32-36 mm, with hand grips and a maximum pulling force of 40 kN.

The universal casing and rod puller clamp for use with clamping jaws has a diameter of 22-80 mm. To clamp rods or casings various clamping jaws can be used in it with a diameter of 32-45 mm and 50-54 mm. By using a filling ring the casing and rod puller clamp can be used in the mechanical rod puller.

For extremely heavy circumstances a manuallly operated hydraulic extraction system is available. The hydraulic extractor, with a pulling force of 80 kN, is supplied with extracting cylinder (diameter 65 mm) and a hydraulic aggregate with electric hydraulic extractor tube set. The extracting cylinder automatically switches off. Also needed to extract gouges and rods are a bottom plate with handle and rod puller clamp with clamping jaw.

Maximum operating pressure of the hydraulic pump is 700 bar. Total weight of hydraulic pump and extracting cylinder is 75 kg.



Pulling devices (rod pullers)

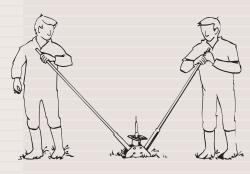


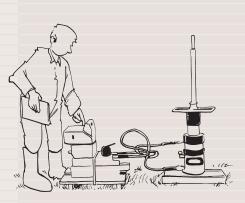
Hydraulic extraction system

Extracting the percussion gouges from the soil using:

- a. 1-man operated extractor
- b. 2-man operated extractor
- c. hydraulic extractor







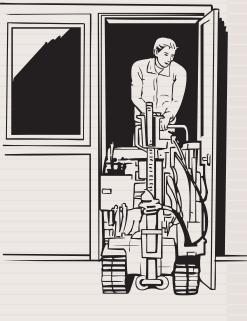




You will return to the contents of P1 SOIL by clicking the pictogram

P1.21

The compact drilling rig can reach almost every drilling spot.



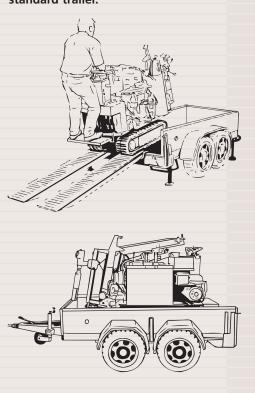
04.19.60 Fully hydraulic percussion drilling rig with all terrain caterpillar tracks

With the all terrain adjustable (750 - 1050 mm) caterpillar tracks this drilling rig is especially suitable and extremely flexible for use in difficult terrain. A Honda GX 390 - 15 HP petrol driven engine drives all hydraulic functions (incl. transport). The machine is supplied with a hydraulic percussion hammer (simply pushed onto the mast) and a hydraulic jack (12 ton pulling capacity). The standard rig can be used in combination with our standard percussion gouges, and optionally for dynamic sounding tests / standard penetration tests (SPT). According to EN (European Norm) and ASTM.

Advantages

- For percussion drilling and (optional) dynamic sounding
- Suitable for all terrains
- Easy to transport (standard trailer or in the back of a van)
- Storage cases for tools
- Fully operational unit
- Easy to control
- Supplied complete with hammer and jack
- Tracks adjustable from 750 1050 mm

The rig can be transported on a standard trailer.





Fully hydraulic percussion drilling rig



Art.no.	•	ty. 1 set	Art.no.		ty. set
P1.21	Percussion drilling sets		**04.19.20.09	Percussion gouge, bottom part,	1
	Dependent on the circum-			combination type, Ø 40 mm, operational length 200 cm,	
	stances in the field you may			with detachable RD32	
	choose for equipment with		**04.19.13	Rod catcher for extension rods	1
	a gasoline powered or electrica	al		with RD32 connection (sl.w. 27)	
	powered percussion hammer (in light or heavy design).			and percussion gouges (with hole).	
	(iii light of heavy design).		**04.19.20.20	Pointed chisel (410 mm) with	1
04.19.SC	Percussion drilling set for		05.25.25	RD32 connection for crushing	•
	heterogeneous soils with a			stones at greater depths	
	gasoline powered percussion		**04.19.43	Core sampler, Ø 63 mm, with	1
	hammer Cobra TT. Standard set for augerings to a depth			left hand threaded RD32 connections, for pvc sample	
	of 5 m. With RD32 connection.			tubes and foil liners, with	
				screwable cutting shoe and	
**04.19.01	Percussion hammer Cobra TT,	1		exchangeable core catcher,	
	gasoline powered, with hexago			sample length 100 cm	
	insert end 32 mm. Beating pow 40 Joule at 1620 beats per min.		**04.19.43.01	Foil insertion kit for core sampler, left design with left	1
	Noise 96 DB(A) acc. PN8NTC2.			hand rectangular threaded	
	Vibration 2.3 A m/s2 acc.			connection.	
	EN 28662		**04.19.43.02	Thin walled PE foil liner for	2
**04.19.0101	Transport box, wood for	1		core sampler, sample Ø 50 mm,	
	gasoline powered percussion hammer Cobra TT		**04.18.41	length 100 cm. Set of 40 pieces. Pvc sample tube, Ø 50x46 mm,	5
**04.19.02	Concrete wrecking chisel	1	04.10.41	length 100 cm, excl.	3
05.02	with hexagon 32 mm insert en			2 protective caps	
	Length 400 mm, width 38 mm		**04.18.41.01	Protective cap, PE, Ø 50 mm,	10
**04.19.05	Striking pen for gasoline	1		for pvc sample tube	_
	percussion hammer Cobra TT		**04.18.40.02	Core catcher for core sampler Ø 63 m	2
	(04.19.01) with hexagon 32 mm insert end for RD32 connection		**04.18.50	Mechanical rod puller, 2-man	1
**04.19.14	Coupling sleeve for RD32	7	0	operated, pull-up force 40 kN,	•
	extension rods (04.19.12).			useful length of stroke about	
	Length 200 mm, Ø 45 mm	_		70 mm, excl. 2 crow bars	_
**04.19.12	Extension rod for percussion gouge with RD32 connection,	5	**04.18.07.01.01	Crow bar, length 1.9 m, for rod pullers 20 and 40 kN	2
	length 1 m, Ø 32 mm, excl.		**04.18.55	Casing and rod puller clamp,	1
	coupling sleeve			universal, for use of clamping	
**04.19.20.01	Percussion gouge, bottom part	, 1		jaw, Ø 22-80 mm, excl.	
	combination type, Ø 100 mm,		**04 10 FF 0F	clamping jaw	4
	operational length 50 cm, with detachable RD32 connection		**04.18.55.05	Clamping jaw, Ø 32- 45 mm, for RD32	1
**04.19.20.02	Percussion gouge, bottom part	, 1	**04.18.07.05	Rod puller extension for	1
	combination type, Ø 100 mm,			pulling first gouge,	
	operational length 100 cm, wit	h		height 85 cm	
++04 40 20 02	deta-chable RD32 connection	4	**04.18.56	Filling ring for use of casing and	1
**04.19.20.03	Percussion gouge, bottom part combination type, Ø 75 mm,	, 1		rod puller clamp (04.18.55) in mechanical rod puller (04.18.50)	١
	operational length 100 cm, wit	h	**99.16	Stairs, aluminium, height 40 cm	
	detachable RD32 connection		**04.18.08	Open ended spanner 27 mm,	1
**04.19.20.04	Percussion gouge, bottom part	, 1		impact type	
	combination type, Ø 60 mm,		**10.80.90.02	Pipe wrench, Swedish design,	1
	operational length 100 cm, with detachable RD32 connection	1	**04.18.63	till Ø 76 mm, length 58 cm Pounding bar with head	1
**04.19.20.05	Percussion gouge, bottom part	, 1	01.10.03	and flat chisel, length 150 cm	•
	combination type, Ø 50 mm,		**04.18.18	Ripping bar for emptying	1
	operational length 100 cm, wit	h		gouges	
**04.40.20.00	detachable RD32 connection	1	**04.18.12	Rotation rod, Ø 15 mm,	1
**04.19.20.06	Percussion gouge, bottom part combination type, Ø 40 mm,	, 1	**04.05.01.20	length 40 cm Bent spatula, breadth 20 mm	1
	operational length 100 cm, wit	h	**99.07.01	Hammer for geologists,	1
	detachable RD32 connection			with point	
**04.19.20.07	Percussion gouge, bottom part	, 1	**99.07.02	Hammer for geologists,	1
	combination type, Ø 60 mm,	h	**05.07.02	with blade	1
	operational length 200 cm, wit detachable RD32 connection	П	**05.07.03 **05.07.14	Steel lifting jack Lever with chain, length 100 cm	1 1
**04.19.20.08	Percussion gouge, bottom part	, 1	**01.11.04	Field data registration set	1
	combination type, Ø 50 mm,		**01.15.01	Utility probe with cone Ø 19 mr	
	operational length 200 cm, wit	h		fibre glass, length 105 cm,	
	detachable RD32 connection			Ø shaft 12.5 mm. For safely	





PARTS LIST

Art.no.	•	Qty. in set	Art.no.	Description Qty.	
	checking the sub-stratum for cables, tubes and pipes		**04.19.20.05	Percussion gouge, bottom part, combination type, Ø 50 mm,	1
**01.11.02	Aluminium transport case, dim. 108x23x14 cm (outside)	1		operational length 100 cm, with detachable RD32 connection	
**01.12.08	Aluminium transport case, dim. 112x39x32 cm (outside)	1	**04.19.20.06	Percussion gouge, bottom part, combination type, Ø 40 mm,	1
**01.11.02.01 **01.11.03	Padlock Work gloves, pair, oil- and	2 5		operational length 100 cm, with detachable RD32 connection	
	grease resistant, sturdy, with short sleeve	J	**04.19.20.07	Percussion gouge, bottom part, combination type, Ø 60 mm, operational length 200 cm, with	1
04.19.SD	Percussion drilling set for heterogeneous soils with light electrical percussion hammer Makita HM1400.		**04.19.20.08	detachable RD32 connection Percussion gouge, bottom part, combination type, Ø 50 mm, operational length 200 cm, with	1
	Standard set for augerings to a depth of 5 m. With RD32 connection		**04.19.20.09	detachable RD32 connection Percussion gouge, bottom part, combination type, Ø 40 mm, operational length 200 cm, with	1
**04.18.80	Percussion hammer (HM 1400) electric, 220 V, beating power 33.7 Joule, incl. Chisel 410 mm	1	**04.19.13	detachable RD32 connection Rod catcher for extension rods with RD32 connection (sl.w. 27)	1
**99.13	Generator, max. power 3700 V continuous power: 3300 W, 23 50 Hz, tank capacity 17 I, run duration 8.8 hrs. Dimensions	-	**04.19.20.20	and percussion gouges (with hole) Pointed chisel (410 mm) with RD32 connection for crushing stones at greater depths). 1
	580x477x.508 mm. Incl. oil levi	el	**04.19.43	Core sampler, Ø 63 mm, with left hand threaded RD32 connections,	1
**99.13.03	Collector box, synthetic, to pla generator when working in the field (to prevent petrol- and of leakage). Dimensions:	ne		for pvc sample tubes and foil liner with screwable cutting shoe and exchangeable core catcher, sample length 100 cm	rs,
**99.13.01	80x60x12 cm Insulation guard to protect	1	**04.19.43.01	Foil insertion kit for core sampler, left design with left hand	1
	electrical apparatus which are connected to a generator. Obl acc. to NEN1010 for generator 2000 VA or more. Not suitable	iged	**04.19.43.02	rectangular threaded connection. Thin walled PE foil liner for core sampler, sample Ø 50 mm, length 100 cm. Set of 40 pieces.	2
	mains voltage with rim earthi Incl. adapter cable with euro- (DIN49441/CEE7)	ng.	**04.18.41	Pvc sample tube, Ø 50x46 mm, length 100 cm, excl. 2 protective caps	5
**04.19.06	Striking pen for electric percussion hammer Makita HM1400 (04.18.80) with hexac	3	**04.18.41.01 **04.18.40.02	Protective cap, PE, Ø 50 mm, for pvc sample tube Core catcher for core sampler	10
	30 mm insert end for RD32	jon		Ø 63 mm	
**99.51.30 **04.19.12	connection Ring-nut spanner 30 mm Extension rod for percussion gouge with RD32 connection,	1 5	**04.18.50	Mechanical rod puller, 2-man operated, pull-up force 40 kN, useful length of stroke about 70 mm, excl. 2 crow bars	1
	length 1 m, Ø 32 mm, excl. coupling sleeve		**04.18.07.01.01	Crow bar, length 1.9 m, for rod pullers 20 and 40 kN	2
**04.19.14	Coupling sleeve for RD32 extension rods (04.19.12). Length 200 mm, Ø 45 mm	7	**04.18.55	Casing and rod puller clamp, universal, for use of clamping jaw, Ø 22-80 mm, excl. clamping	1
**04.19.20.01	Percussion gouge, bottom par combination type, Ø 100 mm, operational length 50 cm, wit		**04.18.55.05	jaw Clamping jaw, Ø 32- 45 mm, for RD32	1
**04.19.20.02	detachable RD32 connection Percussion gouge, bottom par combination type, Ø 100 mm, operational length 100 cm, wi detachable RD32 connection		**04.18.07.05 **04.18.56	Rod puller extension for pulling first gouge, height 85 cm Filling ring for use of casing and rod puller clamp (04.18.55) in mechanical rod puller (04.18.50)	1
**04.19.20.03	Percussion gouge, bottom par	t, 1	**99.16	Stairs, aluminium, height 40 cm	1
	combination type, Ø 75 mm, operational length 100 cm, wi detachable RD32 connection	th	**04.18.08 **10.80.90.02	Open ended spanner 27 mm, impact type Pipe wrench, Swedish design,	1
**04.19.20.04	Percussion gouge, bottom par combination type, Ø 60 mm,	t, 1	**04.18.63	till Ø 76 mm, length 58 cm Pounding bar with head and	1
	operational length 100 cm, wit detachable RD32 connection	th	**04.18.18	flat chisel, length 150 cm Ripping bar for emptying	1
	30			gouges	

PARTS LIST



04.18.12 Rotation rod, Ø 15 mm, length 40 cm **04.05.01.20 Bent spatula, breadth 20 mm 1 Hammer for geologists, with point **99.07.02 Hammer for geologists, with blade **05.07.03 Steel lifting jack 101.11.04 Field data registration set 1 third fibre glass, length 105 cm, Ø shaft 12.5 mm. For safely checking the sub-stratum for cables, tubes and pipes 1**01.11.02 Aluminium transport case, dim. 112.39x32 cm (outside) 1**01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve 1**04.19.20.09 Percussion gouge, bottom promise in the poperational length 100 cm, detachable RD32 connection 1**04.19.20.09 Percussion gouge, bottom promise in the poperational length 100 cm, detachable RD32 connection 1**04.19.20.00 Percussion gouge, bottom promise in the poperational length 100 cm, detachable RD32 connection 1**04.19.20.00 Percussion gouge, bottom promise in the poperational length 100 cm, detachable RD32 connection 1**04.19.20.00 Percussion gouge, bottom promise in the poperational length 100 cm, detachable RD32 connection 1**04.19.20.00 Percussion gouge, bottom promise in the poperational length 100 cm, detachable RD32 connection 1**04.19.20.00 Percussion gouge, bottom promise in type, Ø 100 mm operational length 100 cm, detachable RD32 connection 1**04.19.20.00 Percussion gouge, bottom promise in the poperational length 100 cm, detachable RD32 connection 1**04.19.20.00 Percussion gouge, bottom promise in the promise	m, with n part, 1 n, with n part, 1 m, with n part, 1 n, with n part, 1
**99.07.01 Hammer for geologists, with point **99.07.02 Hammer for geologists, with blade **05.07.03 Steel lifting jack **05.07.14 Lever with chain, length 100 cm **01.11.04 Field data registration set **01.15.01 Utility probe with cone Ø 19 mm, fibre glass, length 105 cm, Ø shaft 12.5 mm. For safely checking the sub-stratum for cables, tubes and pipes **01.11.02 Aluminium transport case, dim. 108x23x14 cm (outside) **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.20.05 Work gloves, pair, oil- and heavy electrical percussion hammer Makita HM1800. Standard set for a depth of 5 m. With RD32 connection **04.19.20.09 With RD32 connection **04.19.20.09 Work gloves, pair, oil- and beauty of the adepth of 5 m. With RD32 connection **04.19.20.09 Work gloves, pair, oil- and operational length 100 cm, detachable RD32 connection **04.19.20.00 detachable RD32 connection **04.19.20.00 metachable RD32 connection	opart, 1 n, with n part, 1 m, with n part, 1 m, with n part, 1 n, with n part, 1 n, with n part, 1 n, with n part, 1
**99.07.02 Hammer for geologists, with blade **05.07.03 Steel lifting jack 1 **05.07.14 Lever with chain, length 100 cm 1 **01.11.04 Field data registration set 1 **01.15.01 Utility probe with cone Ø 19 mm, 1 fibre glass, length 105 cm, Ø shaft 12.5 mm. For safely checking the sub-stratum for cables, tubes and pipes **01.11.02 Aluminium transport case, dim. 108x23x14 cm (outside) **01.12.08 Aluminium transport case, dim. 112x39x32 cm (outside) **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.20.08 Percussion gouge, bottom grease resistant, sturdy, with short sleeve **04.19.20.07 Percussion gouge, bottom grease resistant, sturdy, with short sleeve **04.19.20.08 Percussion gouge, bottom grease resistant, sturdy, with short sleeve **04.19.20.08 Percussion gouge, bottom grease resistant, sturdy, with short sleeve **04.19.20.08 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom greational length 200 cm, detachable RD32 connection	n, with n part, 1 n, with n part, 1 m, with n part, 1 n, with n part, 1 n, with n part, 1 n, with n part, 1
**05.07.03 Steel lifting jack **05.07.14 Lever with chain, length 100 cm **01.11.04 Field data registration set **01.15.01 Utility probe with cone Ø 19 mm, fibre glass, length 105 cm, Ø shaft 12.5 mm. For safely checking the sub-stratum for cables, tubes and pipes **01.11.02 Aluminium transport case, dim. 108x23x14 cm (outside) **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.20.05 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.20.06 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.20.07 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	n part, 1 n, with n part, 1
**05.07.14 Lever with chain, length 100 cm **01.11.04 Field data registration set **01.15.01 Utility probe with cone Ø 19 mm, 1 fibre glass, length 105 cm, Ø shaft 12.5 mm. For safely checking the sub-stratum for cables, tubes and pipes **01.11.02 Aluminium transport case, dim. 108x23x14 cm (outside) **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.20.05 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.20.06 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.20.07 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	part, 1 n, with n part, 1 m, with n part, 1 n, with n part, 1 n, with n part, 1 n, with n part, 1
**01.15.01 Utility probe with cone Ø 19 mm, fibre glass, length 105 cm, Ø shaft 12.5 mm. For safely checking the sub-stratum for cables, tubes and pipes **01.11.02 Aluminium transport case, dim. 108x23x14 cm (outside) **01.12.08 Aluminium transport case, dim. 112x39x32 cm (outside) **01.11.02 Padlock 2 detachable RD32 connection **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.20.07 Percussion gouge, bottom poperational length 100 cm, detachable RD32 connection **04.19.20.07 Percussion gouge, bottom poperational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom poperational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom poperational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom poperational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom poperational length 200 cm, detachable RD32 connection	with n part, 1 m, with n part, 1 n, with n part, 1 n, with n part, 1 n, with n part, 1
fibre glass, length 105 cm, Ø shaft 12.5 mm. For safely checking the sub-stratum for cables, tubes and pipes **01.11.02 Aluminium transport case, dim. 108x23x14 cm (outside) **01.12.08 Aluminium transport case, dim. 112x39x32 cm (outside) **01.11.02.01 Padlock 2 detachable RD32 connection **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.20.07 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.5E Percussion drilling set for heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for augerings to a depth of 5 m. With RD32 connection **04.19.20.09 Vercussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	n part, 1 m, with n part, 1 n, with n part, 1 n, with n, with n part, 1 n, with n part, 1
shaft 12.5 mm. For safely checking the sub-stratum for cables, tubes and pipes **01.11.02 Aluminium transport case, dim. 108x23x14 cm (outside) **01.12.08 Aluminium transport case, dim. 112x39x32 cm (outside) **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.20.08 Percussion gouge, bottom procession	part, 1 m, with n part, 1 n, with n part, 1 n, with n out, 1 n, with n out, 1
cables, tubes and pipes **01.11.02 Aluminium transport case, dim. 108x23x14 cm (outside) **01.12.08 Aluminium transport case, dim. 112x39x32 cm (outside) **01.11.02.01 Padlock **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve Percussion drilling set for heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for augerings to a depth of 5 m. With RD32 connection **04.19.20.06 Percussion gouge, bottom procombination type, Ø 40 mm operational length 100 cm, detachable RD32 connection **04.19.20.07 Percussion gouge, bottom procombination type, Ø 60 mm operational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom procombination type, Ø 50 mm operational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom procombination type, Ø 40 mm operational length 200 cm, detachable RD32 connection	with n part, 1 n, with n part, 1 n, with n oart, 1 n part, 1
**01.11.02 Aluminium transport case, dim. 108x23x14 cm (outside) **01.12.08 Aluminium transport case, dim. 112x39x32 cm (outside) **01.11.02.01 Padlock **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.20.06 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.20.07 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	n part, 1 n, with n part, 1 n, with nn part, 1 n, with n part, 1
dim. 108x23x14 cm (outside) **01.12.08 Aluminium transport case, dim. 112x39x32 cm (outside) **01.11.02.01 Padlock **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve 04.19.SE Percussion drilling set for heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for a depth of 5 m. With RD32 connection **04.19.20.06 Percussion gouge, bottom properational length 100 cm, detachable RD32 connection **04.19.20.07 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	part, 1 n, with n part, 1 n, with n part, 1
dim. 112x39x32 cm (outside) **01.11.02.01 Padlock 2 **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.5E Percussion drilling set for heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for a depth of 5 m. With RD32 connection dim. 112x39x32 cm (outside) 2 **04.19.20.07 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	with n part, 1 n, with n part, 1
**01.11.02.01 Padlock 2 **01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve **04.19.SE Percussion drilling set for heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for a depth of 5 m. With RD32 connection **04.19.20.07 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	n part, 1 n, with n part, 1
**01.11.03 Work gloves, pair, oil- and grease resistant, sturdy, with short sleeve O4.19.5E Percussion drilling set for heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for augerings to a depth of 5 m. With RD32 connection **04.19.20.07 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	part, 1 n, with n part, 1
with short sleeve Od.19.SE Percussion drilling set for heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for augerings to a depth of 5 m. With RD32 connection With short sleeve operational length 200 cm, detachable RD32 connection operational length 200 cm, detachable RD32 connection operational length 200 cm, detachable RD32 connection	with n part, 1
detachable RD32 connection detachable RD32 connection **04.19.5E Percussion drilling set for heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for augerings to a depth of 5 m. With RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	n part, 1
Percussion drilling set for heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for augerings to a depth of 5 m. With RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection **04.19.20.08 Percussion gouge, bottom properational length 200 cm, detachable RD32 connection	part, 1
heterogeneous soils with heavy electrical percussion hammer Makita HM1800. Standard set for augerings to a depth of 5 m. With RD32 connection heterogeneous soils with combination type, Ø 50 mm operational length 200 cm, detachable RD32 connection **04.19.20.09 Percussion gouge, bottom promised to provide the combination type, Ø 40 mm operational length 200 cm, detachable RD32 connection	
hammer Makita HM1800. Standard set for augerings to a depth of 5 m. With RD32 connection detachable RD32 connection **04.19.20.09 Percussion gouge, bottom properation type, Ø 40 mm operational length 200 cm, detachable RD32 connection	
Standard set for augerings**04.19.20.09Percussion gouge, bottom properties of to a depth of 5 m.With RD32 connectioncombination type, Ø 40 mmOperational length 200 cm, detachable RD32 connection	
With RD32 connection operational length 200 cm, detachable RD32 connection	
detachable RD32 connectio	
electric, 220 V, beating power with RD32 connection (sl.w	
36.4 Joule, inclusive chisel and percussion gouges (wit 400 mm **04.19.20.20 Pointed chisel (410 mm) wit	-
**99.13 Generator, max. power 3700 W, 1 RD32 connection for crushin	
continuous power: 3300 W, 230V stones at greater depths	
50 Hz, tank capacity 17 I, run **04.19.43 Core sampler, Ø 63 mm, with duration 8.8 hrs. Dimensions left hand threaded RD32	th 1
580x477x508 mm. Incl. oil level connections, for pvc sample	tubes
guard and foil liners, with screwal	
**99.13.03 Collector box, synthetic, to place 1 ting shoe and exchangeable generator when working in the catcher, sample length 100	
field (to prevent petrol- and oil **04.19.43.01 Foil insertion kit for core	1
leakage). Dimensions: 80x60x12 cm sampler, left design with le	
**99.13.01 Insulation guard to protect 1 rectangular threaded connect electrical apparatus which are **04.19.43.02 Thin walled PE foil liner for	
connected to a generator. core sampler, sample Ø 50 r	mm,
Obliged acc. to NEN1010 for length 100 cm. Set of 40 pigenerator 2000 VA or more. **04.18.41 Pvc sample tube, Ø	eces. 5
generator 2000 VA or more. **04.18.41 Pvc sample tube, Ø Not suitable for mains voltage 50x46 mm, length 100 cm,	5
with rim earthing. Incl. adapter excl. 2 protective caps	
cable with euro-plug **04.18.41.01 Protective cap, PE, Ø 50 mn (DIN49441/CEE7) for pvc sample tube	n, 10
**04.19.07 Striking pen for electric 3 **04.18.40.02 Core catcher for core	2
percussion hammer Makita sampler Ø 63 mm	
HM1800 (04.18.81) with **04.18.50 Mechanical rod puller, 2-ma operated, pull-up force 40 lines.	
for RD32 connection useful length of stroke abo	
**04.19.12 Extension rod for percussion 5 70 mm, excl. 2 crow bars	
gouge with RD32 connection, **04.18.07.01.01 Crow bar, length 1.9 m, for length 1 m, Ø 32 mm, excl. rod pullers 20 and 40 kN	2
coupling sleeve **04.18.55 Casing and rod puller clamp	p, 1
**04.19.14 Coupling sleeve for RD32 7 universal, for use of clamping	J,
extension rods (04.19.12). Ø 22-80 mm, excl. clamping Length 200 mm, Ø 45 mm **04.18.55.05 Clamping jaw, Ø 32- 45 mm	
**04.19.20.01 Percussion gouge, bottom part, 1 for RD32	., 1
combination type, Ø 100 mm, **04.18.07.05 Rod puller extension for pu	ılling 1
operational length 50 cm, with first gouge, height 85 cm	a 1
detachable RD32 connection **04.18.56 Filling ring for use of casing	4





PARTS LIST

Art.no.	•	Qty. in set	Art.no.	Description	Qty. in set
**99.16	in mechanical rod puller (04.1 Stairs, aluminium, height 40 c		04.19.07	36.4 Joule, inclusive chise Striking pen for electric	
**04.18.08	Open ended spanner	1		hammer Makita HM1800	(04.18.81)
	27 mm, impact type			with hexagon 28.6 mm i	nsert end
**10.80.90.02	Pipe wrench, Swedish design,	1		for RD32 connection	
**04.18.63	till Ø 76 mm, length 58 cm	1		Electrical necessary have	
""04.16.63	Pounding bar with head and flat chisel, length 150 cm			Electrical powered hamr need a generator:	ners
**04.18.18	Ripping bar for emptying	1		need a generator.	
0 1.10.10	gouges	·	99.13	Generator, max. power 3	3700 W,
**04.18.12	Rotation rod, Ø 15 mm,	1	[continuous power: 3300	
	length 40 cm			50 Hz, tank capacity 17 l	
**04.05.01.20	Bent spatula, breadth 20 mm	1		duration 8.8 hrs. Dimens	ions
**99.07.01	Hammer for geologists,	1		580x477x508 mm. Incl. o	il level
	with point			guard	
**99.07.02	Hammer for geologists,	1	99.13.01	Insulation guard to prot	
**05.07.03	with blade Steel lifting jack	1		electrical apparatus which connected to a generate	
**05.07.03 **05.07.14	Lever with chain, length 100 c			acc. to NEN1010 for gen	-
**01.11.04	Field data registration set	1		2000 VA or more. Not su	
**01.15.01	Utility probe with cone Ø	1		mains voltage with rim e	
	19 mm, fibre glass, length 105	cm,		Incl. adapter cable with	•
	Ø shaft 12.5 mm. For safely			(DIN49441/CEE7)	
	checking the substratum for		99.13.03	Collector box, synthetic,	
	cables, tubes and pipes			generator when working	•
**01.11.02	Aluminium transport case,	1		(to prevent petrol- and or Dimensions: 80x60x12 cn	
**01.12.08	dim. 108x23x14 cm (outside) Aluminium transport case,	1		Dimensions: 80x60x12 cr	n
01.12.00	dim. 112x39x32 cm (outside)	'		Gouges and core sample	ers
**01.11.02.01	Padlock	2			
**01.11.03	Work gloves, pair, oil- and	5		Gouges with RD 32 conr	nection
	grease resistant, sturdy, with			(length 50 cm, 100 cm ar	nd 200 cm):
	short sleeve		0.4.4.0.20.0.4	D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Percussion hammers:		04.19.20.01	Percussion gouge, botto	
	Three types of percussion			combination type, Ø 100 operational length 50 cm	
	hammers are supplied. One			detachable RD32 connec	-
	type of gasoline powered		04.19.20.02	Percussion gouge, botto	
	hammer (Cobra TT) and Two			combination type, Ø 100	
	types of electrical powered			operational length 100 o	
	hammers (HM1400 and			detachable RD32 connec	
	HM1800):		04.19.20.03	Percussion gouge, botto combination type, Ø 75	•
04.19.01	Percussion hammer Cobra TT,			operational length 100 c	-
04.15.01	gasoline powered, with hexac	non		detachable RD32 connec	
	insert end 32 mm. Beating po	•	04.19.20.04	Percussion gouge, botto	
	40 Joule at 1620 beats per mi	n.		combination type, Ø 60	mm,
	Noise 96 DB(A) acc. PN8NTC2			operational length 100 o	
	Vibration 2.3 A m/s2 acc. EN 2			detachable RD32 connec	
04.19.01.01	Transport box, wood for gaso powered percussion hammer	line	04.19.20.05	Percussion gouge, botto combination type, Ø 50	
	Cobra TT			operational length 100 c	
04.19.02	Concrete wrecking chisel with			detachable RD32 connec	-
	hexagon 32 mm insert end.		04.19.20.06	Percussion gouge, botto	m part,
	Length 400 mm, width 38 mm			combination type, Ø 40	
04.19.05	Striking pen for gasoline perc			operational length 100 o	
	hammer Cobra TT (04.19.01) whexagon 32 mm insert end fo		04 10 20 07	detachable RD32 connect Percussion gouge, botto	
	connection	I KD32	04.19.20.07	combination type, Ø 60	
	connection			operational length 200 c	-
04.18.80	Percussion hammer (HM 1400)),		detachable RD32 connec	-
	electric, 220 V, beating power		04.19.20.08	Percussion gouge, botto	
	33.7 Joule, incl. Chisel 410 mm	1		combination type, Ø 50	
04.18.80.05	Pointed chisel for electric			operational length 200 o	-
04.19.06	percussion hammer (04.18.80) Striking pen for electric percu		04.19.20.09	detachable RD32 connect Percussion gouge, botto	
07.15.00	hammer Makita HM1400 (04.		07.19.20.09	combination type, Ø 40	
	with hexagon 30 mm insert e			operational length 200 c	
	for RD32 connection			detachable RD32 connec	-
04.18.81	Percussion hammer (HM 1800)			Core samplers with RD 3	
	electric, 220 V, beating power			screw thread connection	tor

04.18.55

Casing and rod puller clamp,

universal, for use of clamping jaw,



Art.no.	Description	Qty. in set	Art.no.	Description	Qty. in set
	foil liners and/or sample tub (two lengths 100 and 50 cm)		04.18.55.05	Ø 22-80mm, excl. clamping Clamping jaw, Ø 32- 45 mm	-
04.19.43	Core sampler, Ø 63 mm, with			for RD32	
	left hand threaded RD32		04.18.57	Filling ring for use of casing	3
	connections, for pvc sample			and rod puller clamp (04.18	3.55)
	tubes and foil liners, with			in mechanical rod puller 20	kN
	screwable cutting shoe and			(04.18.07.01)	
	exchangeable core catcher,		04.18.07.05	Rod puller extension for pu	lling
	sample length 100 cm			first gouge, height 85 cm	
04.19.45	Core sampler, Ø 63 mm, with				
	left hand threaded connection	ons,		Two person operated set:	
	for pvc sample tubes and foi				
	liners, with screwable cutting	-	04.18.50	Mechanical rod puller, 2-ma	
	shoe and exchangeable core			operated, pull-up force 40 l	
	catcher, total length 50 cm,			useful length of stroke abo	ut
	with RD32 connection			70 mm, excl. 2 crow bars	
04.19.43.01	Foil insertion kit for core		04.18.07.01.01	Crow bar, length 1.9 m, for	rod
	sampler, left design with left		04.40.55	pullers 20 and 40 kN	
	hand rectangular threaded		04.18.55	Casing and rod puller clamp	
0.4.40.40.00	connection.			universal, for use of clampin	
04.19.43.02	Thin walled PE foil liner for		04.40 55.05	Ø 22-80 mm, excl. clamping	-
	core sampler, sample Ø 50 m	-	04.18.55.05	Clamping jaw, Ø 32- 45 mm	١,
04.10.41	length 100 cm. Set of 40 piece. Pvc sample tube, Ø 50x46 mr		04.19.56	for RD32 Filling ring for use of casing	
04.18.41		•	04.18.56	5 5	•
	length 100 cm, excl. 2 protec	live		rod puller clamp (04.18.55) mechanical rod puller (04.18	
04.18.41.01	caps Protective cap, PE, Ø 50 mm,		04.18.07.05	Rod puller extension for pu	-
04.16.41.01	for pvc sample tube		04.16.07.03	first gouge, height 85 cm	iiiig
04.18.40.02	Core catcher for core sample	r		mst gouge, neight 85 cm	
04.10.40.02	Ø 63 mm	•		Hydraulic operated set:	
	2 03			,	
	Spare parts for gouges:		04.18.68	Hydraulic extractor, pulling 80 kN. Complete set with ex	
04.18.72.40	Cutting shoe for percussion			cylinder (Ø 65 mm), hydrau	lic
	gouge, Ø 40 mm			aggregate with electric hyd	raulic
04.18.72.50	Cutting shoe for percussion			extractor tube set. Automat	tic
	gouge, Ø 50 mm			switching of extracting cylir	nder
04.18.72.60	Cutting shoe for percussion			(excl. ball clamp and excl. b	ottom
	gouge, Ø 60 mm			plate 04186801)	
04.18.72.75	Cutting shoe for percussion		04.18.68.01	Bottom plate with handle f	or
	gouge, Ø 75 mm			hydraulic extractionsystem.	
04.18.72.99	Cutting shoe for percussion		04.18.55	Casing and rod puller clamp	
	gouge, Ø 100 mm			universal, for use of clamping	
				Ø 22-80mm, excl. clamping	-
	Extension rods and accessori	es	04.18.55.05	Clamping jaw, Ø 32- 45 mm	١,
	for RD 32 screw thread			for RD32	
	connection:			- 11 1 12 12 13	
				Fully hydraulic percussion	
04.19.12	Extension rod for percussion			drilling rig	
	gouge with RD32 connection	١,		- L	
	length 1 m, Ø 32 mm, excl.			The percussion hammers ar	
04 10 14	coupling sleeve			rather heavy to be operated	
04.19.14	Coupling sleeve for RD32			by hand. To make work eas we offer a fully hydraulic	iler
	extension rods (04.19.12). Length 200 mm, Ø 45 mm			drilling rig.	
04.18.08				drilling rig.	
04.10.00	Open ended spanner 27 mm, impact type	,	04.19.60	Fully hydraulic percussion	
10.80.90.02	Pipe wrench, Swedish design		04.19.00	drilling rig with all terrain	
10.00.50.02	till Ø 76mm, length 58cm	,		caterpillar tracks and Hond	a
	tiii 5 70iiiii, ieiigtii 30tiii			motor. Incl. hydraulic hamm	
	Extraction systems			(86 Joule) and hydraulic jac	
	Extraction systems			system (12 t) with puller cla	
	One person operated set:			and set of 3 clamping jaws	-
	- Programme and			(range 50-70 mm totally).	
04.18.07.01	Mechanical rod puller, 1-mar	1		. 5	
	operated, pull-up force 20 k		04.19.61	Striking pen for hydraulic	
	useful length of about 70 mi			percussion drilling rig and	
	excl. crow bar	•		RD32 percussion gouges.	
04.18.07.01.01	Crow bar, length 1.9 m, for r	od		. 33	
	pullers 20 and 40 kN			Accessories for transport	
04 18 55	Casing and red puller clamp			in the field	

in the field





art.no.	Description	Qty. in set	Art.no.	Description	Qty. in se
9.14	Fieldcart, aluminium, package measurement collapsed dimensions max. loading weight 1 15 kg	ts 120x56 cm, 107x27x58 cm,			