

SKALS

- we'll sort it out!

INSTRUCTION MANUAL

Soilextractor type R608/908



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1.0 Purpose and scope of operations

Soil extractor Type R608/R908 is designed for cleaning potatoes, onions and similar products.
Normal operational temperature: -15°C to + 40°C

2. 0 Installation

In order to ensure smooth and steady operation, it is imperative that the brushing machine stands upright on a flat surface, supported evenly on all four legs. Set the adjustable legs to achieve a level position.

Connect the electricity supply in accordance with local regulations. Connect the electricity supply through a motor protection relay which corresponds to the size of the motor.

Check the flow direction. If the direction of flow has to be altered, switch 2 phases in the power supply.

2.1 Installation of accessories

Follow instructions for the installation of accessories.

Support frame

Place the frame on a level base.

Lift the brushing machine and lower on to the frame, the legs fitting over the four pegs on the frame. Loosen the leg bolts, adjust the legs on the frame until the brushing machine is level. Tighten the bolts on the legs again.

3.0 Operation

Check that the brushing machine is correctly placed in relation to other machines in the production sequence.

4.0 Pictograms

Danger! Rotating rollers at the outlet end. Keep a safe distance.

5.0 Lubrication and maintenance

All bearings are lubricated for life and need no further maintenance..

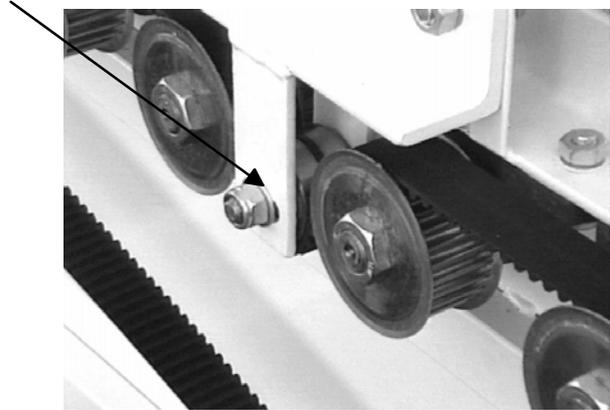
The toothed gear wheel is greased for life with synthetic grease for operation in a normal temperature range of -15°C to +40°C.

The gear is always supplied, filled with oil.

Shell	Macoma R220
Exxon	Spartan EP320
Texaco	Meropa 220
Mobil	Mobilgear 630
BP	Energol GR-XP220

Change the oil after 5,000 hours of operation, or each year, whichever comes first.

Keep the toothed belt drive tight by adjusting the tension wheel.



To replace rollers, loosen the tension roller and remove the toothed belt drive. Remove the lock-nut and toothed drive gear. The bearings and rollers can now be removed. The rubber discs and nylon rings can be replaced after fitting a stop ring on the rubber roller.

Assembly of new rollers is the reverse of removal.

5.1 Cleaning

With reference to the Danish Plant Directorate's Order No. 965 of 13 December 1993 (p. 6).

- 2.3.3. Seed potato growers with contained propagation must clean and disinfect all sorting and ancillary equipment after each new variety. Disinfecting should be carried out using a product approved by The Danish Institute of Plant and Soil Science.
- 2.3.4. Companies authorized to sort potatoes and who also have the authorization to propagate potatoes, must clean and disinfect sorting machinery etc. which is under the control of The Danish Plant Directorate before the sorting of own propagation is commenced. Disinfecting should be carried out using a product approved by The Danish Institute of Plant and Soil Science.
- 2.3.5. Premises and machinery etc. must be cleaned and disinfected each year before 30 June. Disinfecting must be carried out using a product approved by The Danish Institute of Plant and Soil Science.

In other countries, customers must conform to relevant, local food and hygiene regulations..

6.0 Packing and transport information

Packing / packaging:

All types of brushing machines are shrink wrapped prior to dispatch.

Number of units:

The brushing machine is packed as 1 complete unit.

Weight:

R608 225 kg
 R908 270 kg.

Dimension:	Length	Width	Height
R608	1525 mm.	790 mm.	710 mm.
R908	1525 mm.	1090 mm.	710 mm.

7.0 Transport and lifting instructions

Should it be necessary to lift the brushing machine, this **must** be carried out by using the nylon straps fitted to the machine's four legs, as shown in the illustration below (fig. 1).

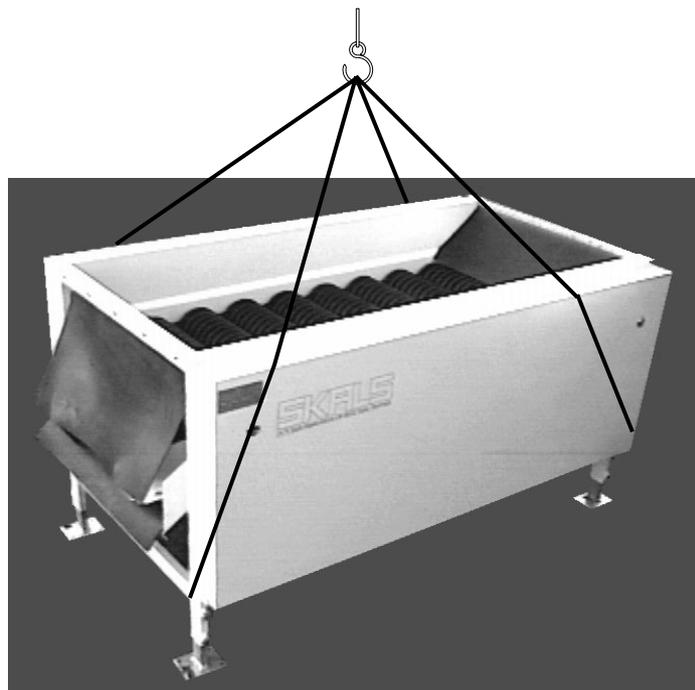


Fig. 1

8.0 Accessories

The following optional accessories are available for Brushing Machine Type BM.

Type R608	Varenr.
Rear legs with fittings	4 17 99 970
Frame	4 17 99 700
Outlet	4 17 99 850

Type R908	Varenr.
Rear legs with fittings	4 17 99 940
Frame	4 17 99 670
Outlet	4 17 99 820

9.0 Spare parts

When ordering spare parts, state machine type, serial no. and, if possible, position no.

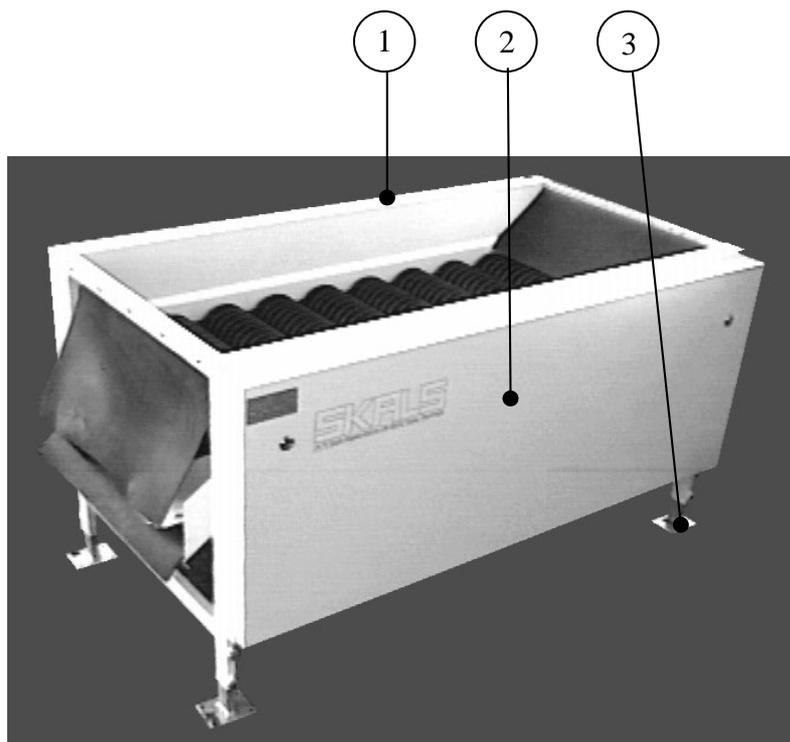


Fig. 2

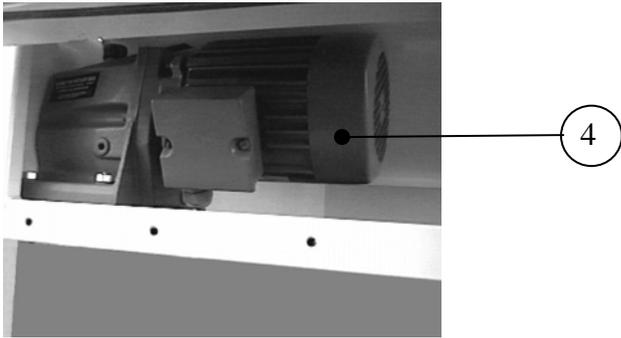


Fig. 3

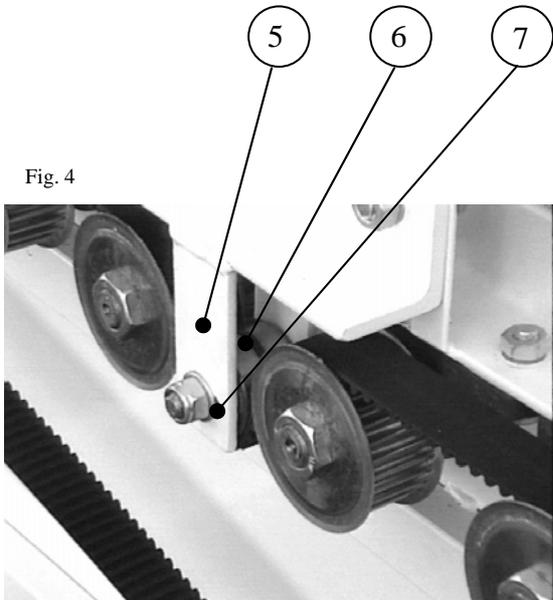


Fig. 4

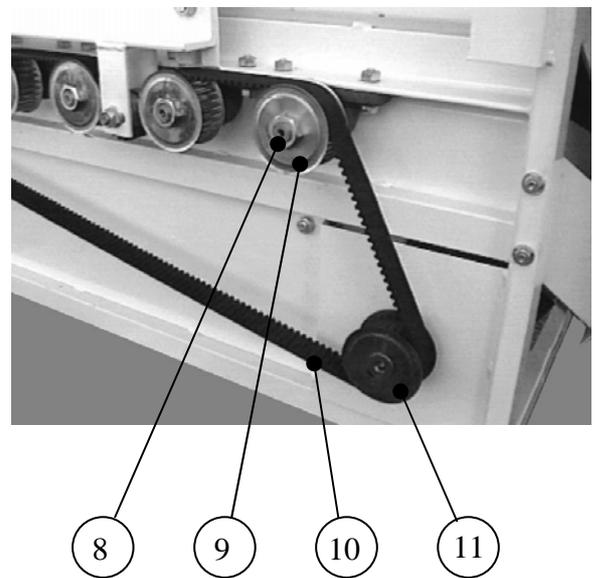


Fig. 5

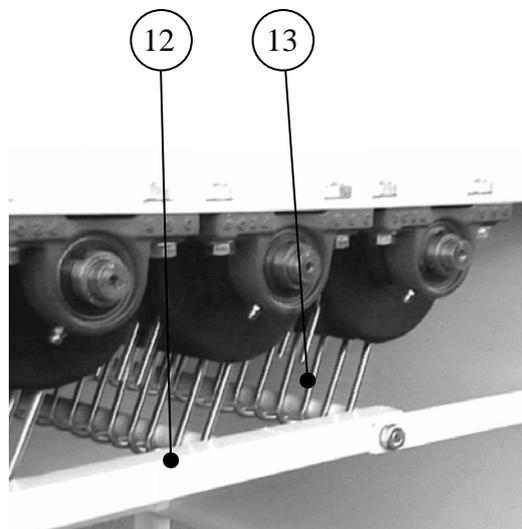


Fig. 6

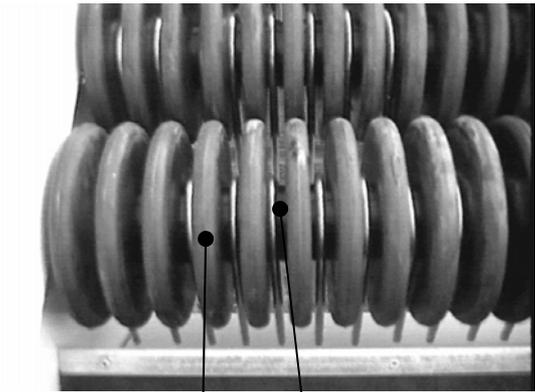


Fig. 7

14 15

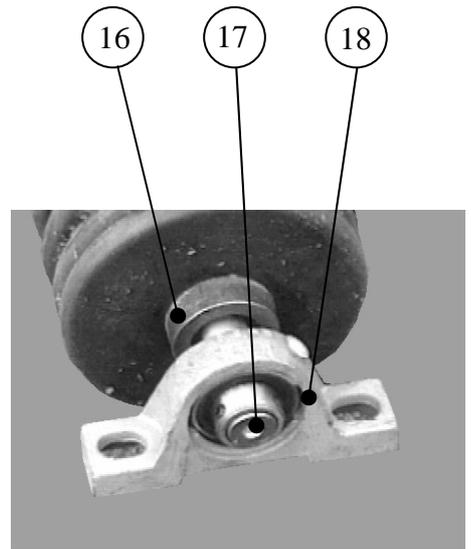


Fig. 8

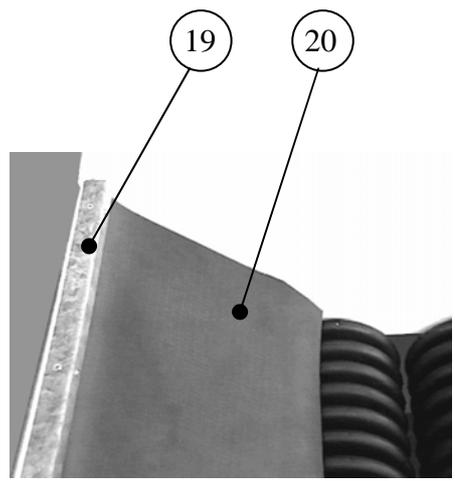


Fig. 9

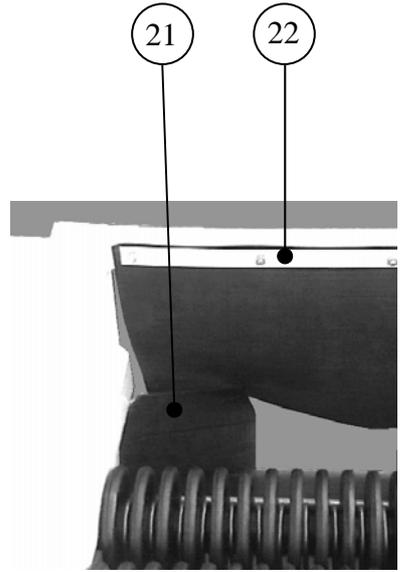


Fig. 10

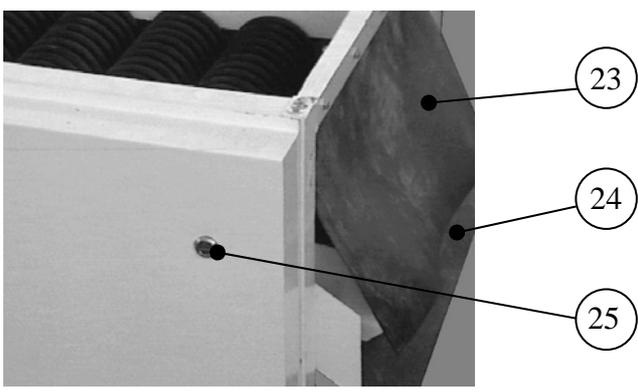


Fig. 11

Side	Fig. nr.	Pos. nr	Betegnelse
5	2	1	Shield right
5	2	2	Shield left
5	2	3	Adjustable legs with positioning bolts
6	3	4	Gear motor
6	4	5	Guide for toothed drive belt
6	4	6	Bearing
6	4	7	Bush
6	5	8	Nut
6	5	9	Toothed gear wheel drive
6	5	10	Toothed drive belt
6	5	11	Toothed gear wheel drive
6	6	12	Frame
6	6	13	Cleaner
7	7	14	Rubber dish
7	7	15	Distance ring
7	8	16	Stop ring
7	8	17	Shaft
7	8	18	Bearing with housing
7	9	19	Flap for inletrubberplate
7	9	20	Rubber inlet
7	10	21	Plate
7	10	22	Tension band for outlet rubber plate
7	11	23	Rubber outlet
7	11	24	Rubber outlet
7	11	25	Lock

10.0 Declaration of conformity with EU



Manufacturer	
Firm:	A/S Skals Maskinfabrik
Address:	Hovedgaden 56 8832 Skals, Denmark
Telephone:	87 25 62 00

declares herewith, that

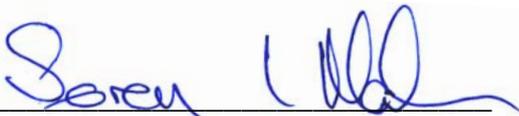
Machine:	Soil extractor
Brand:	R608/908
Type, serial no., year:	

Is manufactured in accordance with the decisions of the Councils Directives:

- 1 Machinery Safety – Directive 98/37/EC
- 2 Low Voltage Equipment Directive (LVD) 2006/95/EEC
- 3 Electromagnetic Compatibility (EMC) Directive 89/336/EEC and 93/68/EEC as amended.

Title:	Productions Manager
Name:	Søren Lund Madsen
Firm:	A/S Skals Maskinfabrik

Date: _____

Signed:  _____