



Brugervejledning / Manual / Benutzerhandbuch

BOREMASKINE

DRILL PRESS

STÄNDERBOHRMASCHINE



16AE / 16AT



16AEF / 16ATF



READ THIS MANUAL BEFORE USE
DIESE ANLEITUNG VOR DER VERWENDUNG LESEN
LÆS DENNE MANUAL FØR ANVENDELSE



DECLARATION OF CONFORMITY

We hereby declare that the concept and manufacturing of the machine mentioned below meets all safety and health prescriptions according mentioned below EU regulations. In case of technical modifications without permission this declaration is void.

MANUFACTURER:

SCANTOOL A/S
Industrivej 3-9
9640 Brovst

DESCRIPTION & IDENTIFICATION OF THE MACHINE:

100762000 Scantool 16AE
100763000 Scantool 16AT
100764000 Scantool 16AEF
100765000 Scantool 16TF

EC DECLARATION OF CONFORMITY:

Low Voltage regulation (2014/35 / EU of 26 February 2014)
EMC 2014/30 / EU of 26 February 2014

RESPONSIBLE FOR THIS TECHNICAL DOCUMENTATION:

Director
Claus Nielsen



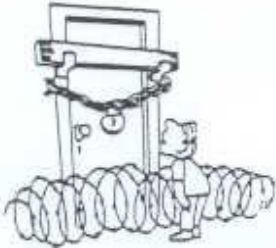
2 English

RENTWAY

2.1 Safety Rules for Stationary Power Tools.

Follow them to achieve best results and full benefit from your new machine.

The good craftsman respects the tools with which he works. He knows they represent years of constantly improved design. He also knows that they are dangerous if misused. The safety rules are based on approved practices in industrial and home shops.	1. Know your power tool. Read the owner's manual carefully. Learn its applications and limitations, as well as the specific potential hazards peculiar to this tool.
2. Keep guard in place and in working order.	3. Ground all tools. If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accomodate a two-prong receptacle, the adapter wire must be attached to a known ground. Never remove the third prong.
4. Remove adjusting keys and wrenches. Form habit of checking to see that keys and adjusting wrenches is removed before turning it on.	5. Cluttered areas and benches invite accidents.
6. Avoid dangerous environment. Don't use power tools in damp or wet locations or expose them to rain. Keep your work area well lighted.	6. Keep children away. All visitors should be kept in a safe distance from work area.

8. Make workshop kidproof with padlocks, master switches, or by removing starter keys. 	9. Don't force tool. It will do the job better and be safer at the rate for which it was designed. 
10. Use right tool. Don't force tool or attachment to do a job it was not designed for. 	11. Wear proper apparel. Wear no loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. 
12. Always use safety glasses. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses. They are NOT safety glasses. 	13. Secure works. Use clamps or vise to hold works, when practical. It's safer than using your hands and it frees both hands to operate tool. 
14. Don't overreach. Keep proper footing and balance at all times. 	15. Maintain tools with care. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories. 

16. Disconnect tools before servicing and when changing accessories such as grinding wheels, polishing mops, grinding belts, blades, bits, cutters, etc. Never leave a running machine, wait till the Machine has stopped. If parts of the machine are out of order the Machine should not be used before it has been repaired.	17. Reduce the risk of unintentional starting. Make sure switch is in off position before plugging in.
18. Use recommended accessories. Consult owner's manual for recommended accessories. Use of improper accessories may cause risk of injury to persons.	19. Never work in a way that can hurt you. Do not stand in a bent position. Stand straight. Alcohol and other drugs are not to be taken while working with the machine.



RENTWAVE

2.2 Main Specification

	Bench	Floor
Chuck Capacity	16 mm	16 mm
Distance, Spindle to column	190 mm	190 mm
Max.Spindle travel	80 mm	80 mm
Max.distance chuck to table	480 mm	745 mm
Max.distance chuck to base	745 mm	1235 mm
Overall dimensions(LXMXH)	1065x650x305 mm	1635x610x365 mm
Net Weight	61 KGS	67 GS

Range of spindle speeds (12 speeds)

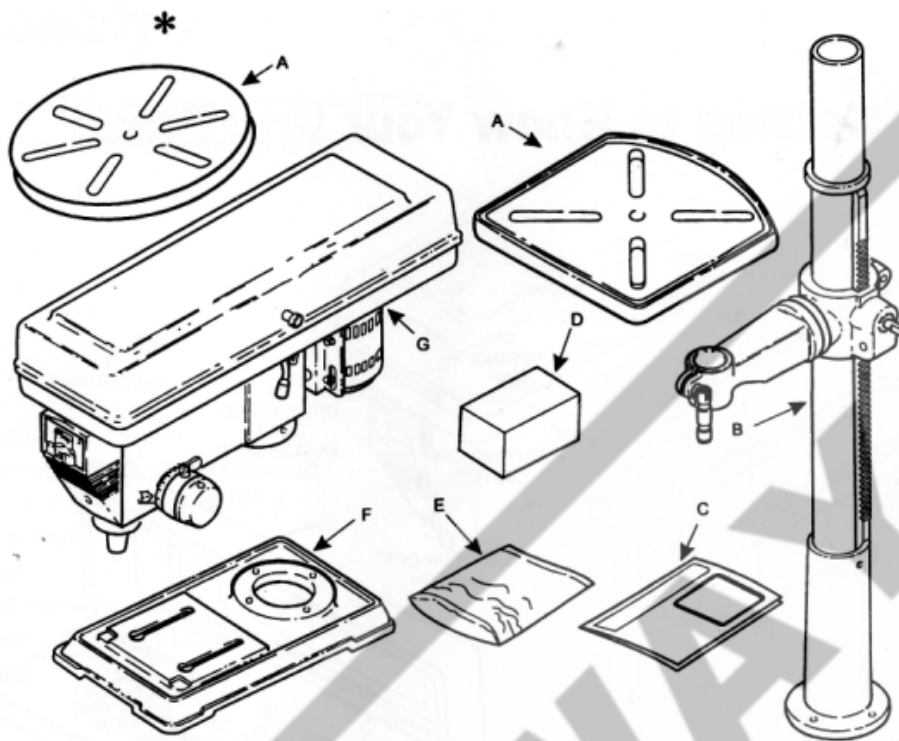
Motor Speed			Spindle Speeds (min-1)											
50Hz	1400	min-1	180	250	300	400	480	580	970	1280	1410	1540	2270	2740
60Hz	1700	min-1	250	340	390	510	600	650	990	1550	1620	1900	2620	3100

2.3 Unpacking and checking contents

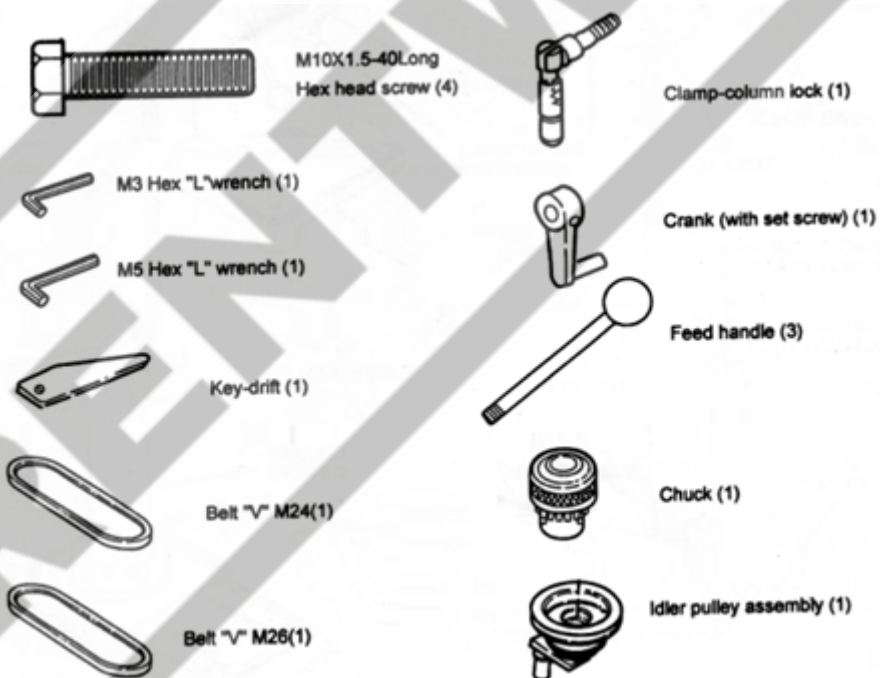
- Unpacking and checking contents: Separate all the parts from packaging materials and check each item make sure all items are accounted for before discarding any packing material.
Following tables names the pieces in the graphic below.

Part	Description	No.
A	Table (square or Round)	1
B	Column Support Asm	1
C	Owner's Manual	1
D	Box of Loose Parts	1
E	Bag of Loose Parts (see list below)	1
F	Base	1
G	Head Asm	1

- Remove the protective oil that is applied to the table and column. Use any ordinary household type grease and spotremover
- Apply a coat of paste wax to the table and column to prevent rust. Wipe all parts thoroughly with clean drycloth.



List of Loose Parts in the box and bags



2.4 Getting to know Your Drill Press

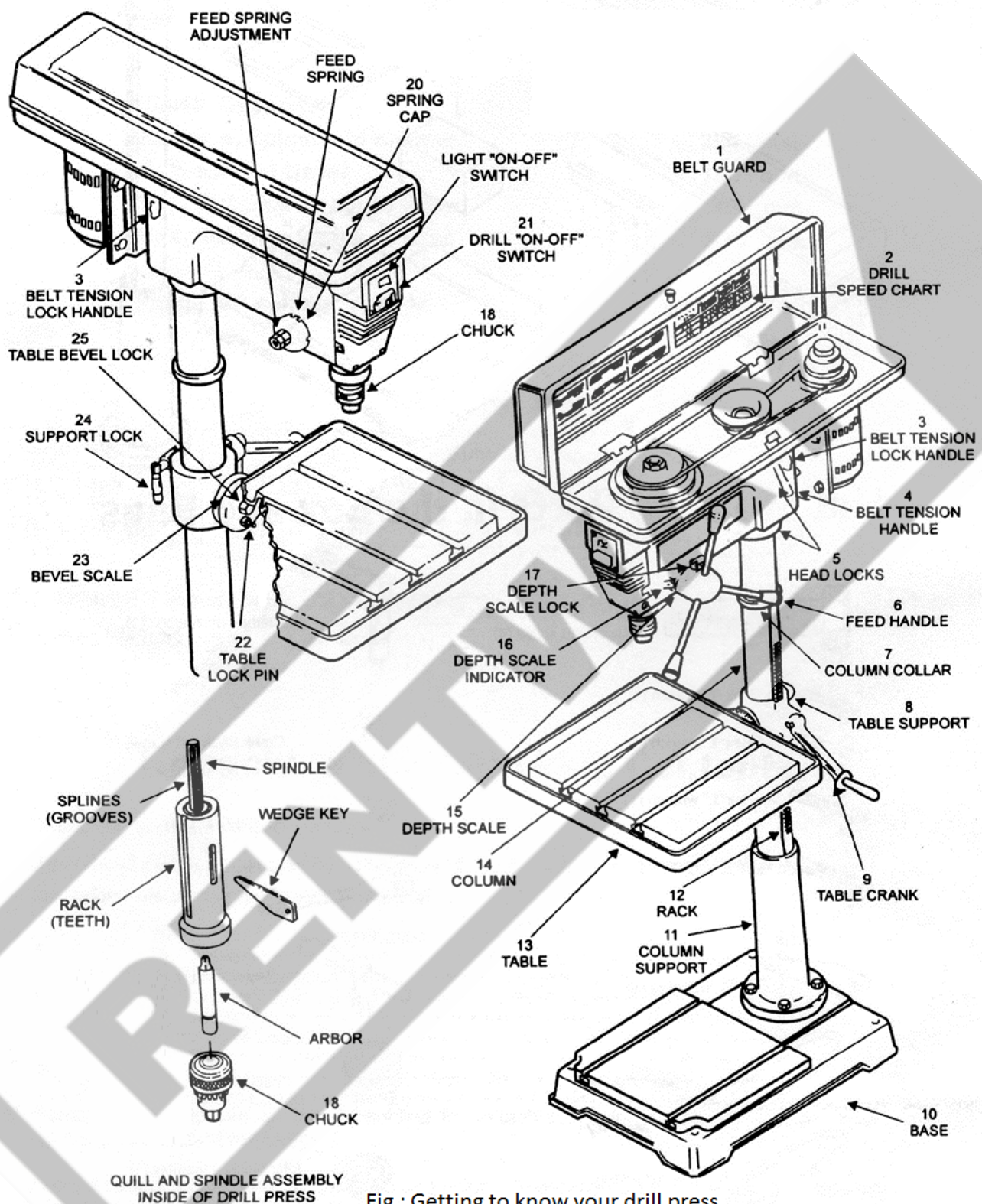
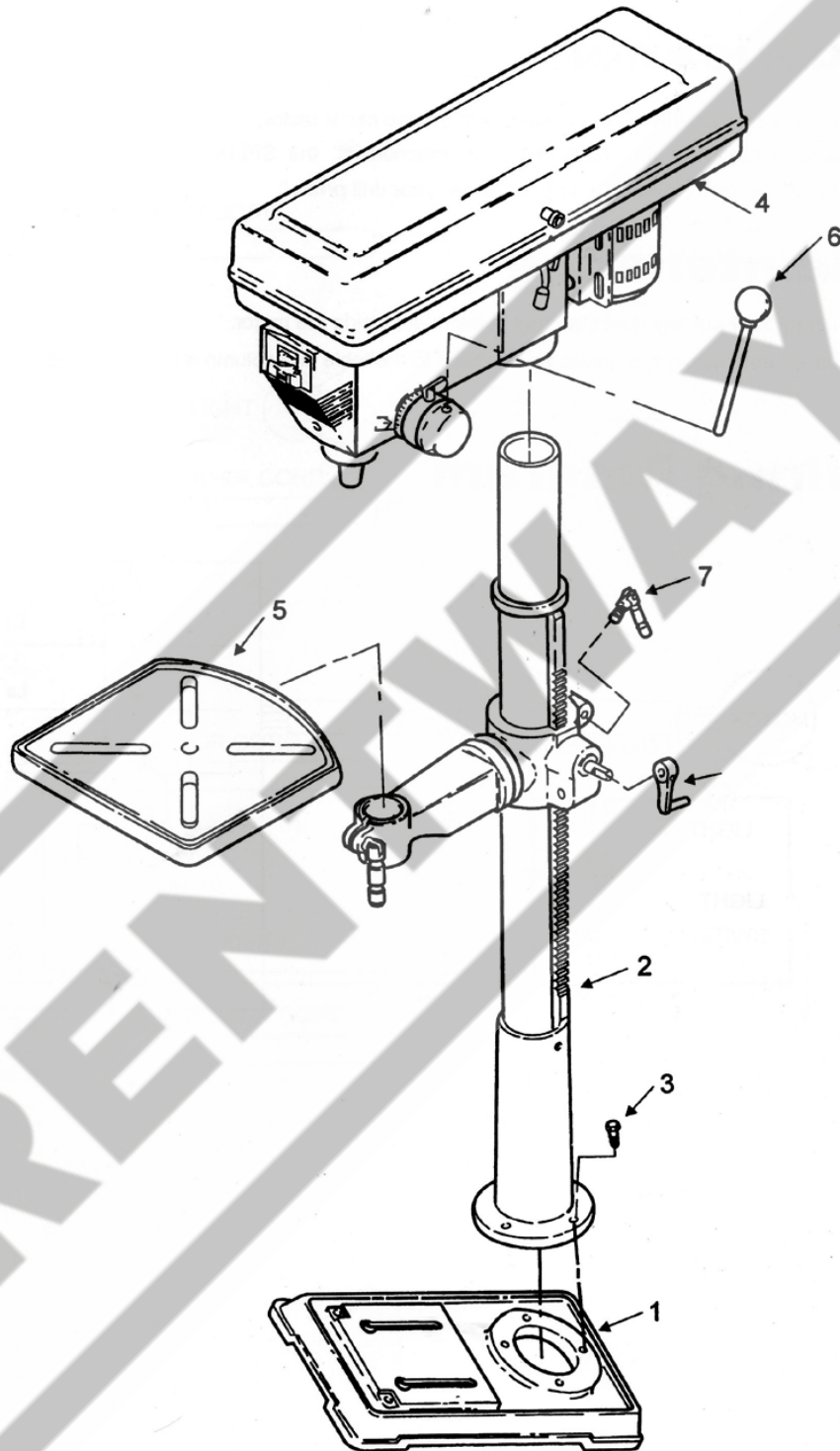


Fig.: Getting to know your drill press

2.5 Assembly

Refer to the figure install all parts correctly, tighten the screw and bolts securely.



1: Base; 2: Column/w Support Asm 3: M10*1.5-40Screw(4); 3: Head Asm; 5: Table; 6: Feed Handle; 7: Clamp-Column Lock; 8: Crank

2.6 Maintenance

Lubrication

All of the BALL BEARING are packed with grease at the factory. They require no further lubrication. Periodically lubricate the table elevation mechanism, the SPLINES (grooves) in the spindle, and the RACK (teeth of the quill), see "Getting to know your drill press."

Dust Removal

Frequently blow out any dust that may accumulate inside the motor.

A coat of automotive type paste wax applied to the table and column will help to keep the surfaces clean.

2.7 Troubleshooting

TROUBLE	PROBABABLE CAUSE	REMEDY
Noisy Operation	1. Incorrect belt tension. 2. Dry Spindle. 3. Loose spindle pulley 4. Loose motor pulley	1. Adjust tension. 2. Lubricate spindle. 3. Check tightness of retaining nut on pulley, and tighten if necessary. 4. Tighten setscrews in pulleys.
Drill bit burns	1. Incorrect speed. 2. Chips not coming out of hole. 3. Dull drill bit 4. Feeding too slow 5. Not lubricated	1. Change speed. 2. Retract drill bit frequently to clear chips. 3. Resharpen drill bit. 4. Faster the speed. 5. Lubricate drill bit.
Drill bit leads off... hole not round	1. Hard grain in wood or lengths of cutting lips and/or angles not equal 2. Bent drill bit	1. Resharpen drill bit correctly. 2. Replace drill bit.
Wood splinters on underside	1. No "back up material" under work piece.	1. Use "back-up material"
Work piece turn loose from hand	1. Not supported or clamped properly.	1. Support working or clamp it.
Drill bit binds in work piece	1. Workpiece pinching drill bit or excessive feed pressure. 2. Improper belt tension.	1. Support working or clamp it. 2. Adjust tension.
	1. Bent drill bit 2. Worn spindle bearings.	1. Use a straight drill bit. 2. Replace bearings.

Excessive drill bit run out or wobble	3. Drill bit not properly installed in chuck 4. Chuck not properly installed.	3. Install drill bit properly. 4. Install chuck properly.
Quill Returns too slow or too fast	1. Spring has improper tension.	1. Adjust spring tension.
Chuck will not stay attached to spindle if falls off when trying to install it.	1. Dirty, grease, or oil on the tapered inside surface of chuck or on the spindles tapered surface.	1. Using a household detergent clean the tapered surface of the chuck and spindle to remove all dirt, grease and oil.

2.9 Warranty

If within 2 years of purchase this machine supplied by Scantool A/S becomes defective due to faulty materials or workmanship we guarantee or replace the machine or defective part or parts free of charge provided that:

1. The product is returned complete to one of our Service Branches or Official Service Agents.
2. The product has not been misused or carelessly handled and in particular has not been used in a manner contrary to the operating.
3. Repairs have not been made or attempted by other than our own Service Staff or the staff of our Official Service Agents.
4. Documentary proof of purchase date is produced when the goods are handed in or sent for repair.
5. Wear parts are not covered by the warranty.