

Manual

Model TFP-75-605

Belt Grinding Machine



EU declaration of conformity



TOOL FRANCE
9 Rue des Pyrénées,
91090 Lisses
France
Téléphone: 01 69 11 37 37

hereby declares that

TFP-75-605 Belt Grinding Machine is manufactured in accordance with the provisions of the COUNCIL DIRECTIVE of 17. May 2006 (2006/42/EC) – The Machinery Directive (order no. 561 of 25 June 1994 with subsequent amendments)

2006/42/EC:	Directive on machinery-safety
2004/108/EC:	Directive on Electromagnetic Compatibility
2006/95/EC:	Low Voltage Equipment Safety directive

Also, on accordance with:

- The council directive of 19 February 1973 (73/23/EEC) – The Low Voltage Directive – with later amendments (order no. 797 of 30 August 1994)
- The council directive of 3 May 1989 (89/336/EEC) – The EMC Directive – with later amendments (order no. 796 of 5 December 1991 with subsequent amendments)

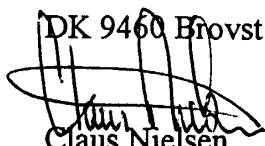
DK 9460 Brovst

Claus Nielsen,
Producent



Table of Contents

1. TRANSPORT & HANDLING	4
1.1 TRANSPORT	4
1.2 HANDLING	4
1.3 PLACING	4
2. DIRECTIONS	5
2.1 OPERATION	5
2.2 SAFETY RULES FOR STATIONARY POWER TOOLS.	5
2.3 MAINTENANCE	7
3. SPARE PARTS LIST	8
3.1 DRAWING OF BELT GRINDING MACHINE TFP-75-605	8
3.2 SPARE PARTS LIST FOR BELT GRINDING MACHINE TFP-75-605	9
4. TECHNICAL DATA	10
4.1 TECHNICAL SPECIFICATIONS	10
4.2 DIMENSIONS	10
4.3 CIRCUIT DIAGRAMS	11
5. WARRANTY	11
5.1 GUARANTEE	11

1. Transport & Handling

1.1 Transport

The TFP-75-605 belt grinding machine is packed in protective wrapping and delivered on a pallet with the following measures: 120 x 80 x 120 cm

1.2 Handling

The machine can easily be transported on the pallet on which it is delivered.

1.3 Placing

Mounting of the belt grinder must take place on a firm and level ground. The machine must be fastened to the ground by means of the four fittings which are used to fasten the belt grinder to the pallet.

The machine is provided with no-volt release protection switch and connected for the wanted voltage (V). The electrical connection must be performed by an authorized electrician, and it is important to control that the motor (and ventilator) has the correct direction or rotation (please see the arrow on the motor).

Eye shields, suction hose and perhaps dust bag must be mounted before use. The clamps for mounting the suction hose are placed in the dust bag. The eye shields (A) must be mounted into the eye shield fitting (see *fig.: 1.1*).

The tool rest (B) must be mounted at minimum 2 mm from the belt, and the handle (C) must be fastened. Turn the contact wheel by your hand and adjust the belt by means of the handle (D) until it runs just on the contact wheel. It must be controlled that the spark box (F) is properly fastened. The wanted working height is adjusted by means of the (G).

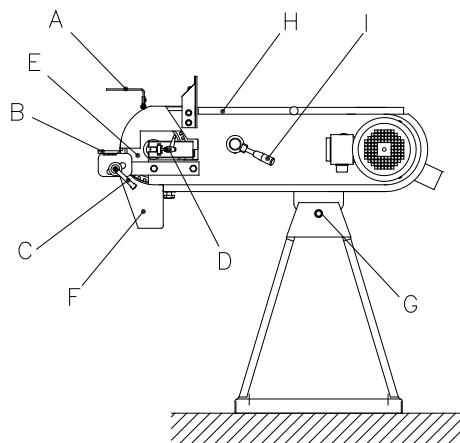


Fig.: 1.1


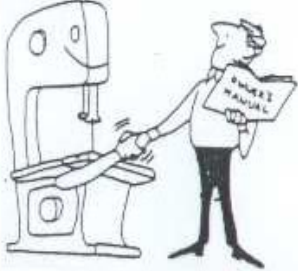






2. Directions

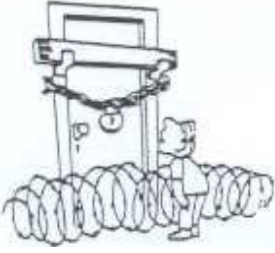









2.1 Operation

After adjustment and connection, the belt grinding machine is ready for use. The grinding can take place by the contact wheel or on the surface grinding table by opening the cover (H) (see *fig.: 1.1*). By loosening the handle (E) the cover (I) can be opened and make grinding of long materials possible. The lifetime of a new belt is prolonged if the grinding starts with a light pressure.

2.2 Safety rules for stationary power tools.

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

<p>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. This is the theme of a new safe-use program for stationary power tools. The safety rules are based on approved practices in industrial and home shops</p> 	<p>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.</p> 
<p>2. Keep guard in place and in working order.</p> 	<p>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 accommodate a two-prong receptacle, the adapter wire must be attached to a known ground. Never remove the third prong.</p> 
<p>4. Remove adjusting keys and wrenches. Form habit of checking to see that keys and adjusting wrenches is removed before turning it on.</p> 	<p>5. Cluttered areas and benches invite accidents.</p> 
<p>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.</p> 	<p>6. Keep children away. All visitors should be kept in a safe distance from work area.</p> 

<p>8. Make workshop kidproof with padlocks, master switches, or by removing starter keys.</p> 	<p>9. Don't force tool. It will do the job better and be safer at the rate for which it was designed.</p> 
<p>10. Use right tool. Don't force tool or attachment to do a job it was not designed for.</p> 	<p>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.</p> 
<p>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.</p> 	<p>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.</p> 
<p>14. Don't overreach. Keep proper footing and balance at all times.</p> 	<p>15. Maintain tools with care. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.</p> 
<p>16. Disconnect tools before servicing and when changing accessories such as grinding wheels, polishing mops, grinding belts, blades, bits, cutters, etc.</p> 	<p>17. Reduce the risk of unintentional starting. Make sure switch is in off position before plugging in.</p> 
<p>18. Use recommended accessories. Consult owner's manual for recommended accessories. Use of improper accessories may cause risk of injury to persons.</p>	

2.3 Maintenance

Empty the spark box with regular intervals and control if the suction canals need a cleaning. The dust bag must be emptied after use. The contact wheel should be replaced when the edges have been worn round or the tyre has been damaged. The graphite pad on the surface grinding table is changed as required.

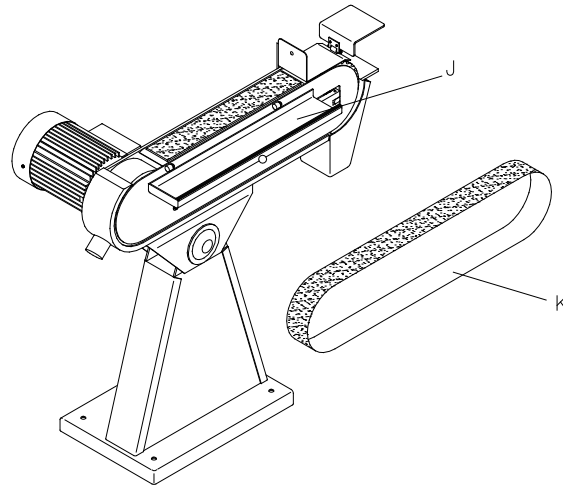


Fig.: 2.1

When changing the belt, it is released by turning the handle (J) in anti-clock-wise direction (see *fig.: 1.1*), the cover (H) and the side plate (L) is opened and the worn-down belt (K) is removed by driving the belt against the direction of rotation, the belt is removed from the machine by the drive wheel. The new belt is fitted. It must be checked that the direction of the arrows on the back side of the belt correspond to the direction of rotation. Fasten the handle (J) again and bring it into alignment with the handle (D).

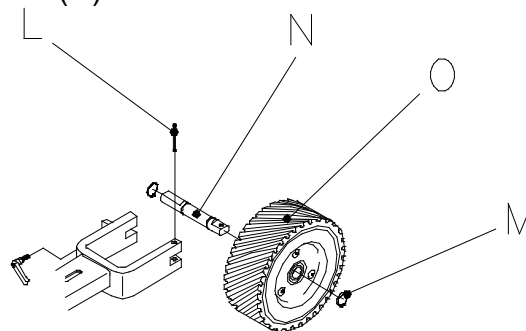
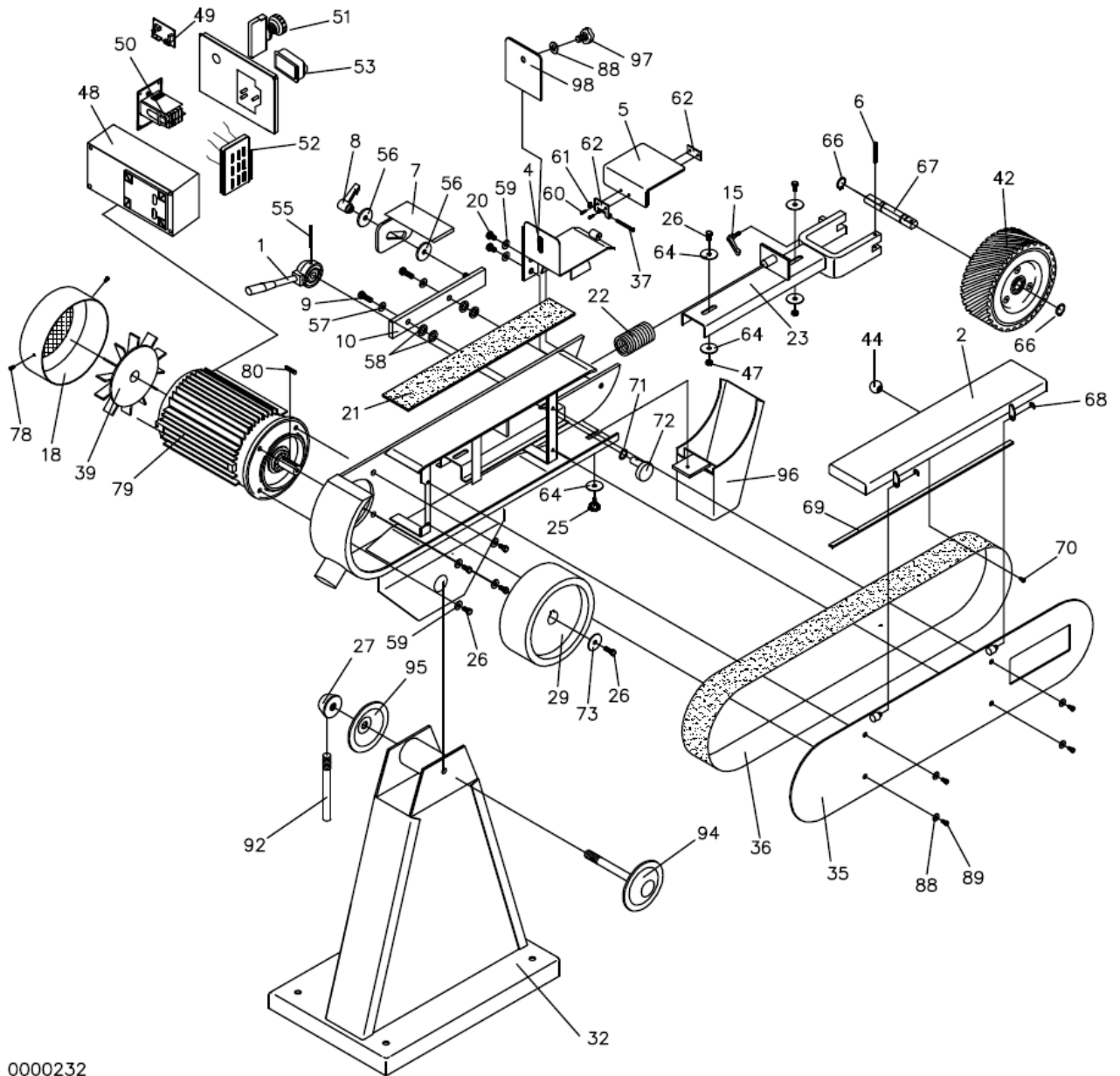


Fig.: 2.2

To change the contact wheel, remove the grinding belt, tool rest and spark arrester. Use a 6 mm mandrel to hammer out the pin (L). Now the contact wheel with axle and bearings can be taken out. One of the lock rings (M) and the axle (N) can be taken out. The new contact wheel (O) is fitted in in reverse order.

3. Spare Parts List

3.1 Drawing of Belt Grinding Machine TFP-75-605



0000232

Fig.: 3.1

3.2 Spare Parts List for Belt Grinding Machine TFP-75-605

When ordering spare parts please state machine type and serial number together with item number and description of the part according to this list.

Item No.	Description	Part Number
		TFP-75-605
1	Belt release handle	0102267
2	Belt guard	0239202
4	Grinding stop/Cover Blue	0880002
5	Eye shield	0233605
6	Split pin ø6x50 mm	0233050
7	Tool rest	0233207
8	Handle for tool rest	0233808
9	Bolt M10x25	0300134
10	Support for tool rest	0104373
15	Handle M6x25	0233025
18	Fan cover for motor	2031017
20	Screw M8x12	0300144
21	Graphite pad	0233221
22	Spring 5,5x43x125x11 mm	0102265
23	Fork for Contact Wheel	0110223
25	Star handle Ø32 M6x16	0233806
26	Screw M8x20	0233020
27	Knub handle for base	0233034
29	Drive wheel	7520024P
32	Base without exhaust system	0100224
35	Side plate	6549081
36	Grinding belt	-
37	Screw M6x45 CH	0950614
39	Fan wheel for motor	2031016
42	Contact wheel with bearings	1535005
44	Ball handle M6xØ25	0331662
47	Lock nut M8	0928644
48	Switch comp.	0188941
49	Brakemodule (Optional)	0188845
50	Thermo relay	0188981
51	Emergency stop comp.	0188892
52	Relay w/0-volt release coil	-
53	Start/stop protection	0188893
55	Split pin Ø4x50 mm	3454351
56	Disc 10x45x4	0860327
57	Disc 10mm	0101491
58	Disc 10mm,	2323212
59	Disc 8mm	5437850
60	Screw M4x8	0100425
61	Lock nut M6	0951406
62	Hinge mounting for eye shields	0921475
64	Disc 8mm	6540981
66	Lock ring Ø20	0311262
67	Shaft	0233251
68	Lock ring Ø7	0915720
69	Rubber Strip	1055860
70	Screw M6x12	0930612
71	Wave spring 14x0.3x21	0102268
72	Eccentric for 8 mm motor sheet	0752262
73	Disc 8mm	6540981
78	Screw M4x5	0737620
79	Motor	-
80	Parallel key	-
88	Disc 6mm	0737631
89	Screw M6x10	0110089
92	Handle for base	0233032
94	Axle with disc for base	0233038
95	Disc for base	0233036
96	Spark box	0101224
97	Star M6	0233807
98	Rest for surface grinding	1055680

4. Technical Data

4.1 Technical Specifications

Model	TFP-75-605
Grinding belt	75x2000mm
Motor 3x400-440 V 50 Hz	4,1 HP
Class	IEC 34-1
IP Class	54
r/min.	2860
Amp	10,6/6,0
Cos φ	0,91
Belt speed	30/34 m/s
Contact wheel	Ø200x75
Weight in kg.	80

* 5,5 HP motor available.

The noise level for TFP-75-605 belt grinding machine has been measured to 80 dB(A) according to the measuring instruction in the note 561 from the Work Inspection Department on device of technical aids.

4.2 Dimensions

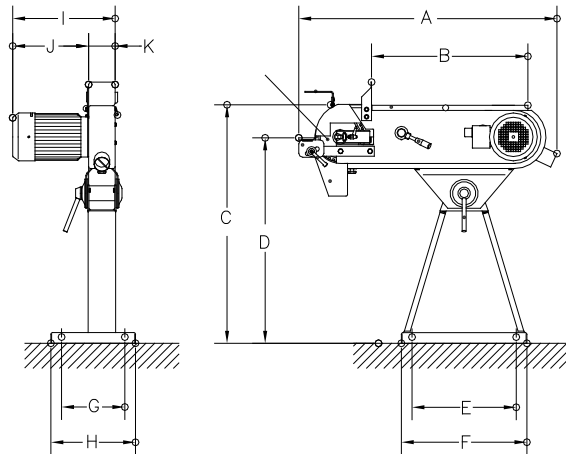


Fig.: 4.2

Model	A	B	C	D	E	F	J	G	H	I	K
TFP-75-605	995	660	835	780-1070	420	506	306	255	255	199	107

4.3 Circuit diagrams

TFP-75-605 belt grinding machine can be connected to 3 x 400/440 V, 50/60 cycles and to 3 x 230 V 50/60 cycles.

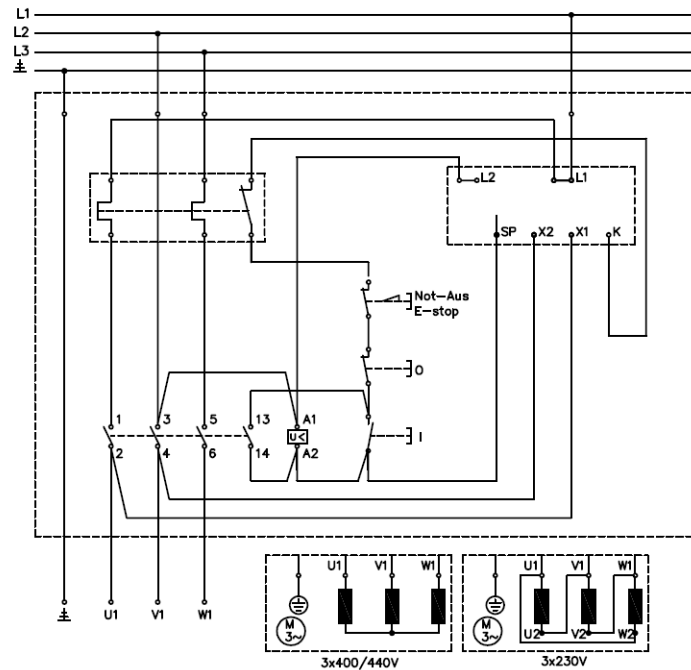


Fig.: 4.3.3 Diagram of belt grinder with brake

5. Warranty

5.1 Guarantee

If within 2 years of purchase this machine supplied by TOOL FRANCE becomes defective due to faulty materials or workmanship we guarantee to repair 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 instructions.
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

TOOL FRANCE offers you five years guarantee on the electrical motor if the motor becomes defective or even burns-out within the first 5 years from date of invoice.