

CT 200

Instruction manual
Betriebsanleitung
Instructions techniques



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CONTEC GmbH
Hauptstrasse 146
57518 Alsdorf

1 EU-Declaration of Conformity

According to the Machine Directive 98/37/EC (89/392/EWG), Appendix II A

We hereby declare that the machine

Type: Floor Planer
Name: CT 200

conforms with the following standards which have been valid at the date written below:

EC-Directive 98/37/EC (89/392/EEC), in its current wording
EC-Directive 89/336/EEC, in its current wording
EC-Directive 73/23/EWG (89/392/EEC), in its current wording

List of the essential harmonised standards:

EN 12100	„Safety of machines
EN 418	„Emergency-Stop-Devices“
EN 953	„Separating safety devices“
EN 60204 Part 1	„Electric equipment of machinery, general requirements“
EN 1050	„Guiding principles for the risk judgement“

Alsdorf, 10.04.2004

(Place and date)



(Authorized signature)

J. Greb – Construction department

(Name and function of the authorized person)

Technical Data

2.1 Planer

Width of cut	200 mm	
Width	36 cm	
Length	80 cm	
Height	97 cm	
Weight	52 kg	
Dust port ϕ	50 mm	
Height adjustment	Hand wheel and lever	
Electric motor	Standard	USA
	230 V, 2.0 kW, 50 Hz 400 V, 3.0 kW, 50 Hz	110 V, 1.5 hp, 60 Hz 230 V, 3.0 hp, 60 Hz
Honda petrol	5.5 hp	
Other motors	On request	
Average value of acceleration a_{hv} *	6,0 m/s ²	
Noise level L_{wa} *	107 dB(A)	
Noise level Leq *	97 dB(A)	

* Data: VÜA Verein zur Überwachung technischer Anlagen e.V.

2.2 Tools

Drum ϕ	108 mm
Cutter shaft ϕ	12 mm
Number of shafts	4
TCT Cutter	46/5
Milling cutter	46/20
Beam flails	46
Cutter ϕ	46 mm
Number of TCT Cutters	76
Number of milling cutters	24

All specifications are approximate and subject to confirmation. They should only be used as a guide.

3. Applications of the tools

TCT Cutters	Heavy duty, long life cutters for all concrete texturing, scabbling, planing and grooving applications. Also used for removal of road markings, roof chippings and brittle coatings
Milling cutters	Primarily for the removal of thermoplastic road / runway markings. Tipped with tungsten carbide they are cost effective and highly efficient. A range of cutter dimensions are available.
Beam flails	Heat treated cutters for the removal of paint coatings and laitance from new concrete. Also for removing grease, dirt and ice deposits.

4. Safety rules

Attention ! The CT 200 floor planers are constructed according to existing safety rules and regulations. These technical precautions should not be removed or changed under any circumstances. While operating the machines the following points should also be kept in mind:

1. The planers should always be operated with all safety covers and technical precautions.
2. The operator should never leave the machine during operation.
3. Before leaving the machine all rotary parts should be brought to a stand still. The electric models must be disconnected from the mains. Make sure that the machine cannot roll or move by itself.
4. After maintenance and adjustment all safety covers must be reattached.
5. If the noise level exceeds 90 dB(A) ear protectors must be worn.
6. In the event of a large amount of dust during operation connect a dust collector to the planer.

5. Operating

- a. After mounting the appropriate tools the operation of the planer can begin.
- b. Lower the planer with the lever to the operating position. Turn the hand wheel of the height adjustment until the tools are lowered to the floor and until you achieve the required finish.

Attention: Lowering the tools too much decreases the performance of the machine. You will also destroy the shafts in the drum and the bearings of the machine.

Attention: Never switch the motor of the planer on while the tools still touch the floor. Always lift the machine and the tools clear from the floor and then switch the motor on.

- c. Heavy dust can be avoided by connecting a dust collector to the dust port.

6. Changing the drum

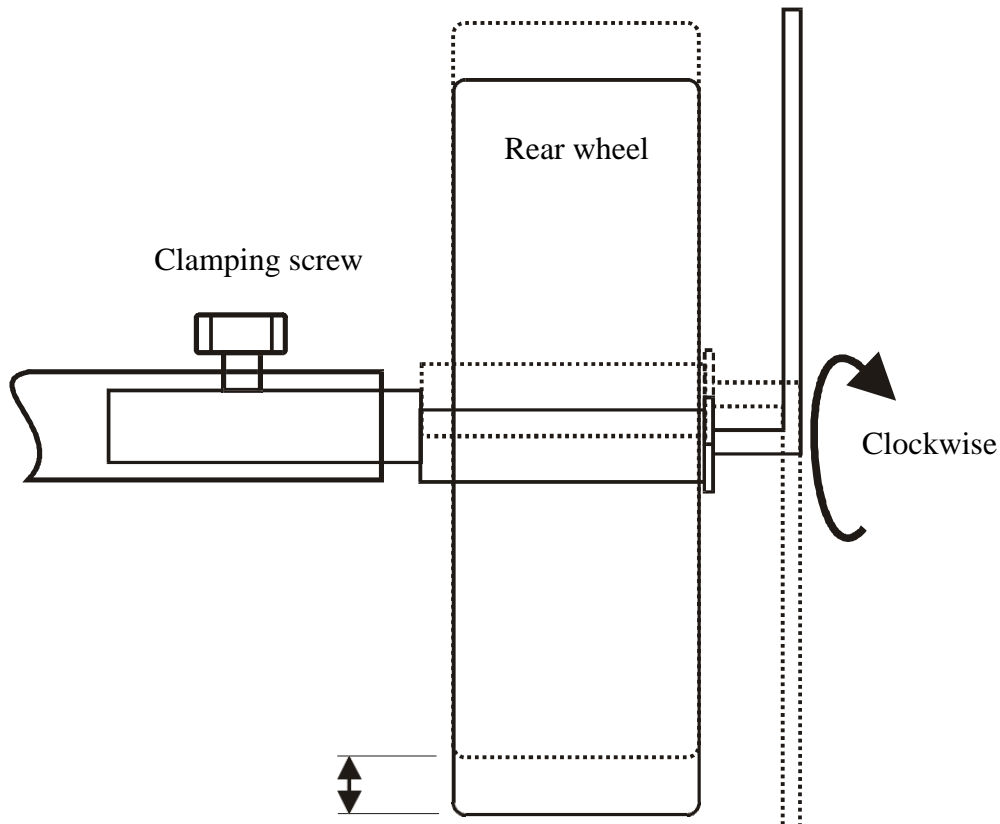
Attention: Before any maintenance, the machine must be brought to a complete stand still. Always disconnect the machine if it is an electric model.

- Lift the machine with the lever so that the tools are well clear of the floor.
- Unscrew the screws on the left side plate (M10, Key width 17 mm)
- Carefully remove the left side plate.
- Take out the drum. Remove worn out tools. Check shafts and drums for wear and tear. If necessary replace new tools on the drum.
- Push drum on freshly greased shaft.
- Reconnect left side plate.

7. Adjusting the drum

During the operation of the CT 200 floor planer or after a drum has been changed or replaced, the drum shaft and the rear wheel axis can fall out of alignment. This results in an uneven track on the floor. On one side the drum touches the floor before the other and therefore removes more surface material on this side.

One of the two rear wheels is mounted on an eccentric shaft (see diagram).



If the drum has to be adjusted proceed as follows:

Place the planer on an even floor. Lift the machine with the height adjustment hand wheel, until all the tools are well clear of the floor. Loosen the clamping screw of the eccentric shaft. On the other side of the rear wheel is a screw which keeps the wheel on the shaft. Turning the screw will also turn the eccentric shaft. The floor planer moves up and down on one side. Always turn the screw clockwise. Anti clockwise would loosens the screw. Keep turning until all the tools on the drum are the same distance to the floor. Tighten the clamping screw again.

8. Maintenance and cleaning

8.1 Bearings

All bearings are greased for their life time.

8.2 Height adjustment and joints

All joints have to be greased periodically with a standard machine grease.

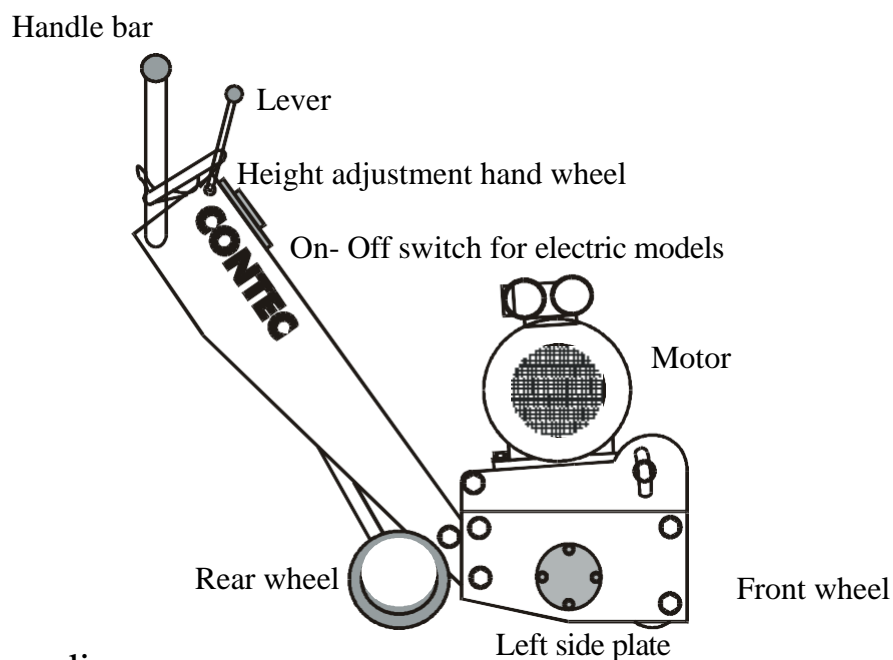
8.3 Belt drive

Check the belts after approximately every 30 hours of operation. To tension the belt you need to raise the motor bracket. Loosen the 4 M10 screws of the bracket. The front screws are in two slots. Raise the bracket until the belts are tensioned. Tighten the screws again.

8.4 Cleaning

Regular cleaning of the machine increases the life of all components and tools of the planer.

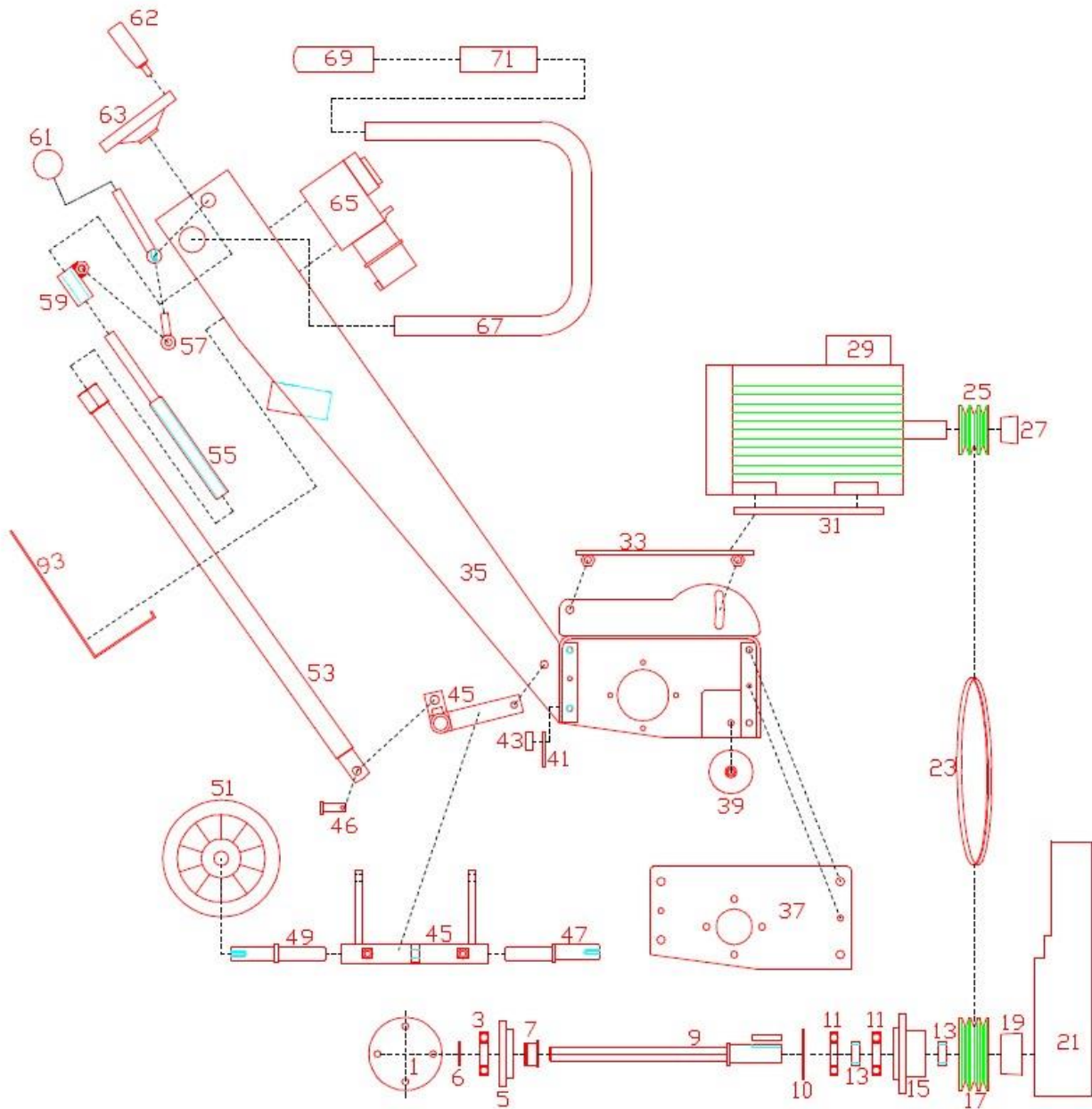
9. Diagram



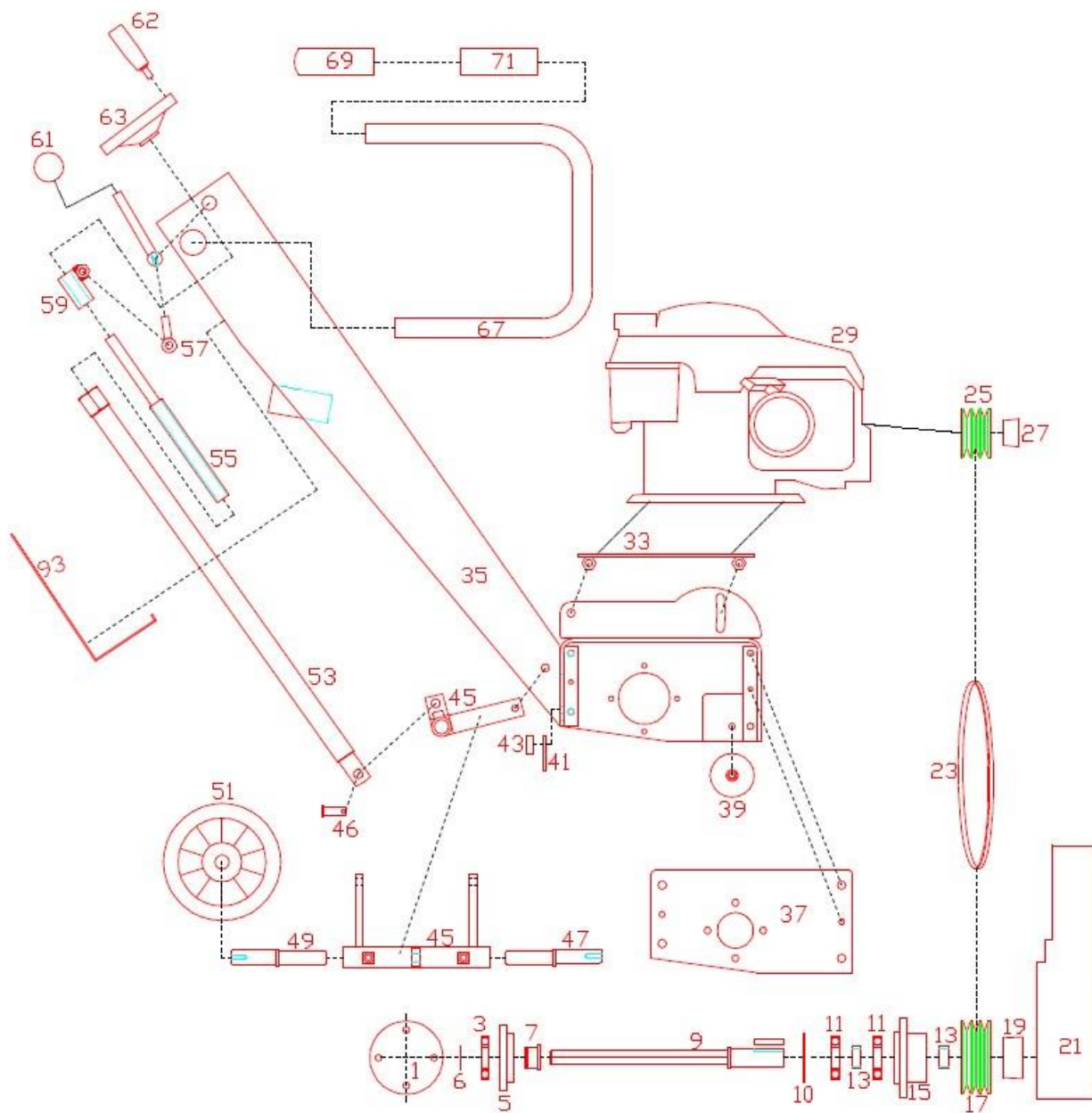
10. Appendix

Diagrams
Wire diagram
Tools
Part list

CT 200 230/400 V, 50 Hz
(c) Contec GmbH 2002

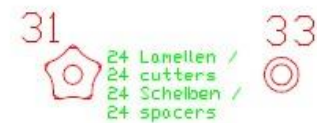
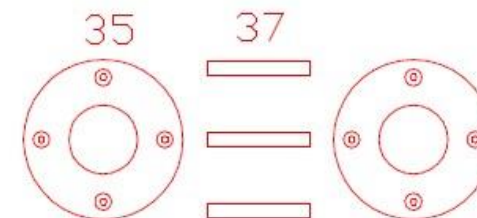
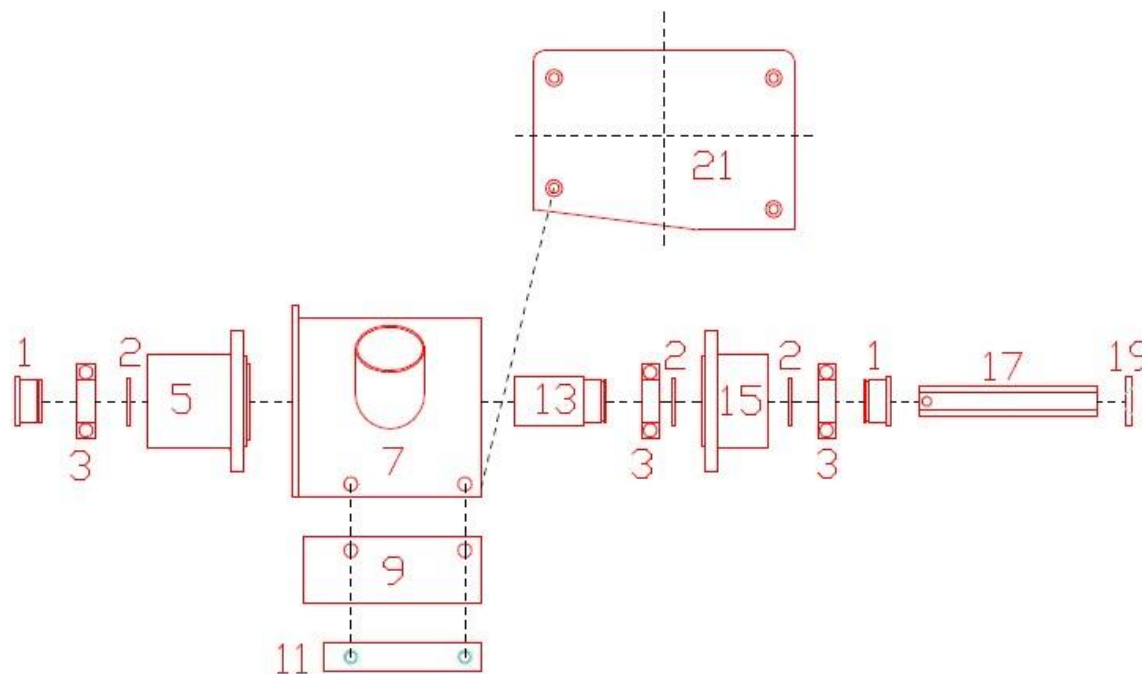


CT 200 - Honda
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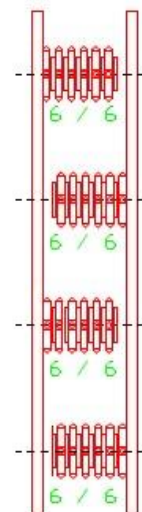


CT 60 Seitenfräse f. CT 200 / CT 60 Edger f. CT 200
 (c) Contec GmbH 2003

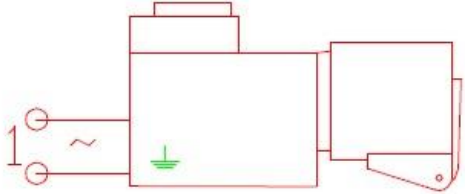
Werkzeuge für CT 60
 Tools for CT 60
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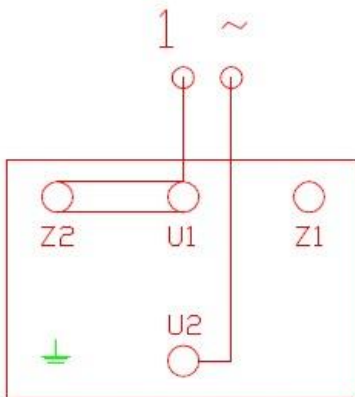
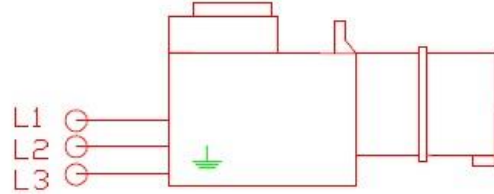
24 Lamellen /
 24 cutters /
 24 Schelben /
 24 spacers



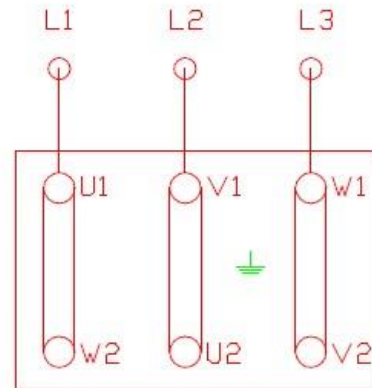
CT 200 230 V, 50 Hz



CT 200 400 V, 3 Phasen, 50 Hz
CT 200 400 V, 3 phase, 50 Hz



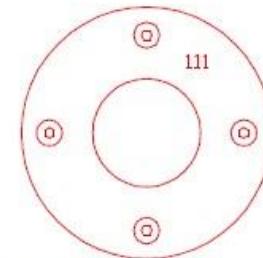
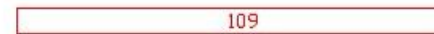
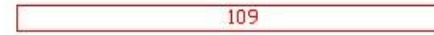
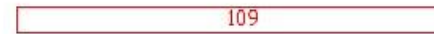
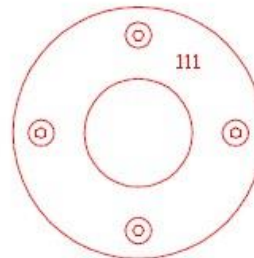
Motorklemmkasten
Motor Connection Board



Motorklemmkasten
Motor Connection Board

<Verwendungsbereich> CT 200 230 / 400 V, 50 Hz		<Zul.Abw.>	<Oberfl.>	Masstab	<Gewicht>
				Werkstoff	
		Datum	Name	<Benennung>	
		Bepr. 13.11.03	Greb	Verdrahtung	
		Gepr.			
		Norm			
		Firma CONTEC GmbH 57518 Alsdorf		<Zeichnungsnummer>	Blatt
Zust.	Änderung	Datum	Name	<Ers.f.>	<Ers.d.>
			<Urspr.>		Bl.

Werkzeuge für CT 200
 Tools for CT 200
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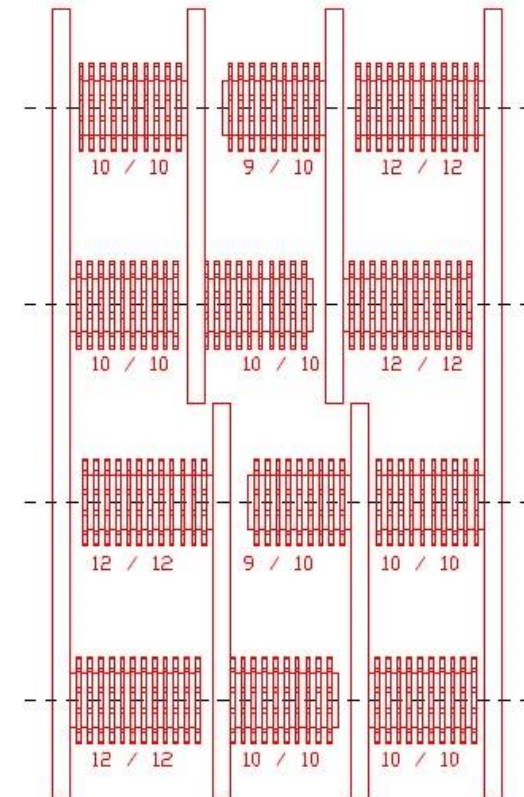
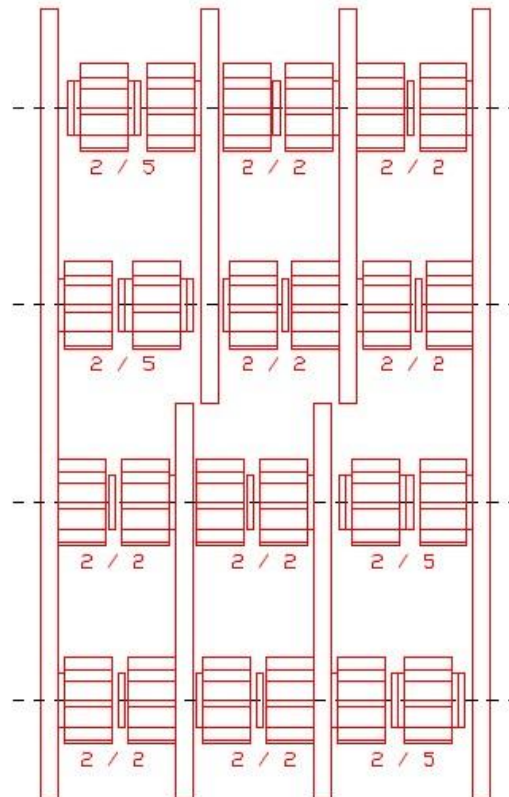
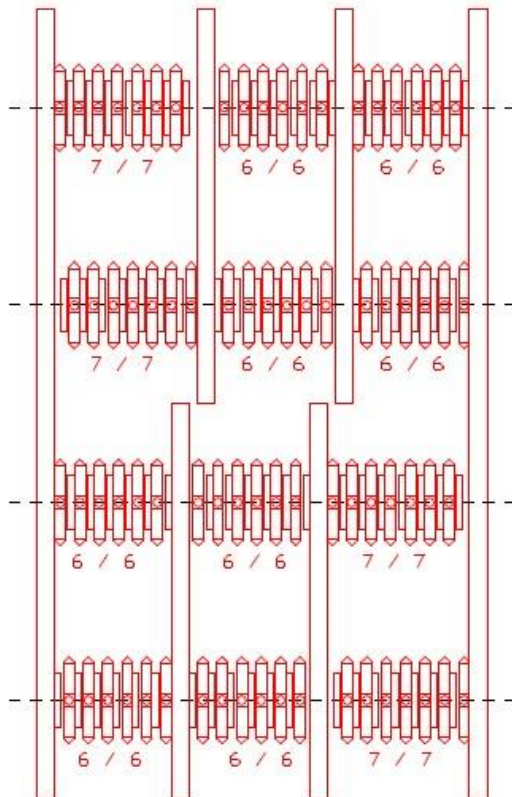


101 76 Lamellen /
 76 cutters
 76 Schelben /
 76 spacers



103 24 Schällamellen /
 24 milling flails
 36 Schelben /
 36 spacers

105 126 Strahlenlamellen /
 126 beam flails
 128 Schelben /
 128 spacers



CT 250 Stückliste / Parts List

Artikel-Nr. / Part-No.	Description 1	Description 2	D-Nr	Weight KG
17-10-05-01	Right Side Cover Bearing Housing CT200		1	0,20
61-20-60-06	Bearing for right Bearing Housing CT200	and for Sideplaner CT 60	3	0,13
17-17-05-02	Right Bearing Housing CT200		5	0,40
61-30-00-30	Circlip for right side Bearing Housing	CT200/CT60	6	0,00
17-21-07-02	Hexagon Insidering Bearing Housing	Main Axis and Side Planer CT200	7	0,07
17-21-07-01	Drive Shaft heavy Duty CT200		9	2,05
61-30-01-47	Circlip for left side Bearing Housing	CT200	10	0,00
61-20-60-05	Bearing for left Bearing Housing CT200		11	0,09
17-10-07-03	Distance Ring Bearing Housing CT200		13	0,03
17-17-06-01	Left Bearing Housing CT200		15	0,99
90-24-95-3TB	Drum Pulley CT200		17	1,04
90-24-16-10-25	Taperlock Drum CT200		19	0,37
17-10-04-01	Belt Cover CT200		21	1,28
70-24-10-710	Belt Electric CT200		23	0,06
70-24-10-737	Belt Petrol Honda CT200		23	0,06
70-24-10-750-US	Belt US Version only for 3HP Motor CT200		23	0,07
90-24-63-3TB	Motor Pulley CT200		25	0,47
90-24-11-08-24	Taperlock Motor 2 KVA, 230 Volt CT200		27	0,11
90-24-11-08-28	Taperlock Motor 3 KVA, 400 Volt CT200		27	0,09
90-24-11-08-3HP-US	Taperlock Motor CT200 3 HP US Version		27	0,08
90-24-11-08-Honda	Taperlock Motor Honda 5,5 HP CT 200		27	0,14
55-03-00-20	Motor 2 KVA, 230 Volt, 50 HZ, Elephant		29	26,00
55-03-00-30	Turbine Motor 3 KW, 400 Volt CT 200/	Tornado/Elephant	29	27,00
55-03-23-40	Turbine Motor 3 KW, 230 Volt 3-Phase	CT200/Tornado/Elephant	29	27,00
56-GX-160-K1-4	Motor 5,5 HP for CT200		29	0,00
17-10-10-01	Bracket for Single Fase Motor CT200		31	0,35
17-10-10-01-US-H	Rear Bracket for Single Fase Motor	230 Volt US Version CT 200	31	0,44
17-10-10-01-US-V	Front Bracket for Single Fase Motor	230 Volt US Version CT 200	31	0,44
17-10-10-02-US	Bracket for Single Fase Motor 230 Volt	US Version CT 200	31	0,43
17-10-02-01	Mounting Plate Motor CT200		33	2,00
17-10-01-00	Machine Frame CT200		35	27,00
17-10-01-02	Ride Side Plate Machine Frame CT200		37	0,00
80-20-60-40	Front Wheel CT200		39	0,19
70-23-02-30	Rubber Sealing CT200		41	0,06

CT 250 Stückliste / Parts List

17-10-11-01	Bracket for Rubber Sealing CT200		43	0,30
17-10-09-01	Level Adjustment Back Wheel CT200		45	0,80
60-33-12-25	Connecting Pin for lifting Rod CT 200		46	0,00
30-10-08-05	Axis out of centre Rear Wheel CT 200		47	0,38
30-10-08-04	Axis Rear Wheel CT200		49	0,33
80-20-31-60	Rear Wheel CT200/M200		51	1,14
17-10-08-03	Height Adjustment Pipe CT200		53	1,05
17-10-08-02	Height Adjustment Screw CT200		55	0,45
61-50-10-40	Eye Scrw for Quick Lever CT 200		57	0,04
17-10-08-01	Holder for Spindle CT200		59	0,18
90-21-45-12	Golf Ball CT200		60	0,07
17-10-13-01	Handle Height Adjustment CT200		61	0,40
90-21-95-51	Revolving Pin for Handwheel CT 200		62	0,08
90-21-95-50	Level Adjustment Wheel CT200		63	0,38
50-20-10-20-K	Switch-Socket-Combination Omega/CT200	for Motor 2 KW, 230 Volt, 50 HZ	65	0,50
50-20-10-30-K	Switch-Socket-Combination Omega/CT200	for Motor 3 KW, 400 Volt, 50 HZ	65	0,63
18-10-07-01	Handle complete Omega/CT200		67	1,40
70-21-26-10	Rubber Grip closed Side CT 200		69	0,06
70-21-26-11	Rubber Grip open Side CT 200/Omega		71	0,06
51-10-10-01	Switch Box For Motor Protective	CT200	81	0,00
51-20-30-01-US	Low Voltage Protective CT200 US-Version	120 Volt, 60 HZ	83	0,00
51-10-0-20-US	Switch Motor Protective CT200 110 Volt	1,5 HP or 230 Volt 3 HP US Version	85	0,00
18-10-01-05	Handle Arm Cover Omega/CT200		93	0,88
95-16-45-05	Tungston Carbide Cutters 45 / 5 CT200		101	0,04
95-16-42-10	Milling Flail Cutters 42 / 10 CT200/350		103	0,08
95-16-42-12	Steel Cutters Beam Flails 42 / 12	CT 200 / CT 350	105	0,01
95-16-24-13	Spacer CT200/350		107	0,01
95-10-200-A	Axis for Drum CT200		109	0,19
18-10-01-08	Cover 110 V for Switch Omega/CT200			286,00
472-47				0,00
50-10-11-16	230 Volt Plug CT 200			0,00
50-20-20-14	Reverse plug 16 A, 400 Volt CT 200			0,00
50-25-11-30	Kabel between Plug / Switch 2 KW	230 Volt CT 200		0,00
50-25-11-31	Kabel between Switch / Plug 3 KW	400 Volt CT200		0,00
50-25-11-32	Kabel between Motor / Switch 230 Volt	2 KW CT 200		0,00
50-25-11-33	Kabel between Motor / Switch 400 Volt	3 KW CT 200		0,00

CT 250 Stückliste / Parts List

51-20-30-01	Motor Protective 2 KVA, 230 Volt CT200			0,00
51-20-30-02	Motor Protective 3 KW, 400 Volt CT200			0,00
51-20-30-03	Low Voltage Protective 400 Volt CT200			0,00
51-20-30-04	Low Voltage Protective 230 Volt CT200			0,00
55-03-00-21	Ventilator Cover for Motor 2 KVA, 230 V	Elephant/CT200		420,00
55-03-00-22	Kondenser Motor 2 KW EMG CT 200			0,50
55-03-00-23	Kondenser Motor 2 KW EMG CT 200			0,50
55-03-04-20	Motor 2 KVA, 230 Volt, 50 HZ, Elephant			19,30
56-160-10	Key for Motor 5,5 HP CT200			0,00
56-160-K1-5	Side Exhaust for Motor CT200			0,00
90-24-11-08-1,5HP-US	Taperlock Motor CT200 1,5 HP 115 Volt	US Version		130,00
95-10-200-42-10-K	Complete Drum with Milling Flails 42/10	40 Pieces CT 200		7,65
95-10-200-42-12-K	Complete Drum with Steel Beam Flails	42/12 CT 200		6,95
95-10-200-K	Complete Drum with tipped Tungston Cutter	CT 200		7,75
95-10-200-T	Drum for CT200			3,55
95-16-10-200	Wire Brush CT 200			0,00
95-16-42-10-40	Set Milling Flail Cutters 42 / 10 CT200	1 Set = 40 Pieces		3,04
95-16-42-12-124	Steel Cutters Beam Flails 42 / 12	CT 200 1 Set = 124 pieces		1,49
95-16-45-05-76	Set Tungston Carbide Cutters 45 / 5	CT 200 1 Set = 76 Pieces		2,89
95-16-45-06	Tungston Carbide Cutters 45/6 CT200/350			44,00
95-16-45-06-76	Set Tungston Carbide Cutters 45/6 CT200	1 Set = 76 Pieces		3,44

NORTH AMERICA

CONTEC

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