

Baron A/S

Manual for Conveyor model C6000

Usage:

Baron Conveyors have been constructed with the aim of moving a wide variety of materials used within the construction industry. The Baron belts are particularly sturdy and are suitable for moving large quantities of material.

The Baron Conveyor has one extra 230v/110v outlet so that a maximum number of three conveyors can operate together.

Before starting up the conveyor

The main switch on the conveyor is mounted within a robust cover. A separate emergency stop button is also fitted. The conveyor must be re-started after power failure, or activation of the emergency stop button which should be released before restarting.

Before switching the conveyor on, the following items must be checked.

1. Ensure there is no soil, stones, or other loose objects on the conveyor belt in front of idle roller **pos. 22** (see under *cleaning*)
2. If fitted, check the rubber lining of the hopper for wear and tear. **Pos. 24 25 28**
3. Check shields for damage in order that the belt can function freely. **Pos. 29 30**
4. Check cables and switches for damage.

Starting up the conveyor

1. Connect to the power supply, press voltage connection and then the start button **pos. 17**
2. After the above procedures have been carried out, check that the conveyor belt is positioned straight (see under *adjusting the belt*)

Warning: Never place objects or your hands in the moving parts of the machine when connected to the power supply.

Cleaning and maintenance

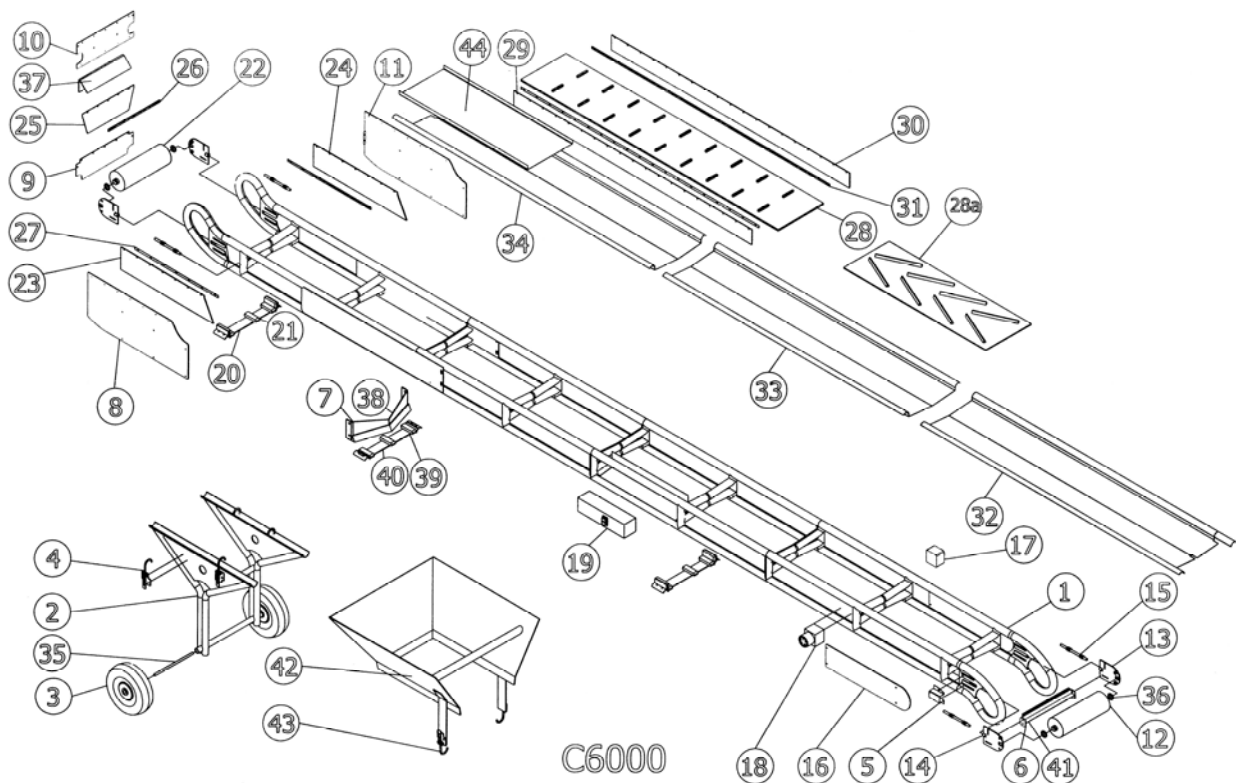
The conveyor belt must be cleaned of dust, stones, foreign bodies etc. When washing the conveyor, do not pressure-hose the electrical parts including the motorised drum.

1. Remember to unplug from the power supply before cleaning.
2. Remove the hopper (if fitted) **fig. a pos. 8, 10, 11.**
3. Clean the conveyor belt then the whole conveyor. If necessary, the conveyor belt can be dismantled. (see under *adjusting the belt*).
4. Always rinse the conveyor belt with water after transporting concrete.
5. Before mounting the hopper on the conveyor, check generally for defects.
6. The conveyor is now ready to work.

Changing the transmission belt

1. Remember to unplug from the power supply before changing the conveyor belt.
2. Remove the 2 yellow side plates from the motorised drum **fig. a pos. 16**.
3. Remove the 4 bolts on the stretcher plate for the motorised drum **fig. a pos. 13, 14**.
4. Loosen and screw out fully the 2 adjusting screws for the motorised drum **fig. a pos. 15** and push back the motorised drum **fig. a pos. 35**.
5. Remove the hopper **fig. a pos. 8, 9, 10, 11**.
6. Loosen the 4 bolts on the stretcher plate for the idler roller **fig. a pos. 13, 14**.
7. Loosen the 2 adjusting screws for the idler roller **fig. a pos. 15**.
8. Pus the idler roller as far forward as possible **fig. b**
9. Remove the 2 belt guides and the scrubber **fig. a pos. 20, 37, 39**.
10. Place the conveyor on its side, then dismantle the belt by pulling it over the frame by the motorised drum **fig. a pos. 25**.
11. The replacement belt and all previously mentioned parts must be reassembled in the reverse order to removal.
12. Before mounting the hopper and the stretcher plates, see under **adjusting the belt**.

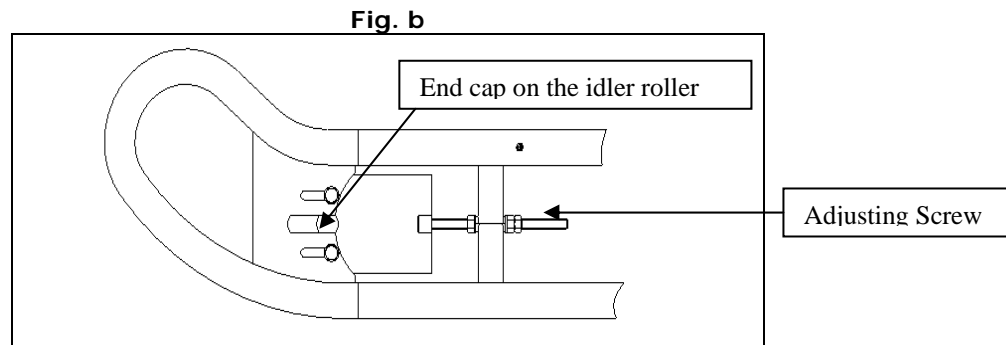
Fig. a



Adjusting the belt

1. Tighten the idler roller with the 2 adjusting screws, until there is a gap of 10mm to the end cap on the idler roller **fig. b**.
2. The motorised drum is also tightened with the 2 adjusting screws, in order that the belt is tight and the motorised drum is perpendicular to the frame.
3. Start the conveyor and keep a close eye on the belt to make sure it is running straight on the two drums.
4. If the belt runs towards one side of the drum, please tighten the adjusting screw on the same side. Wait 5 min. and repeat adjustment until the belt is running straight on both drums.

5. Tighten all bolts and nuts.
6. Mount the hopper and side shields and the conveyor is ready for use.
7. It is necessary to check and tighten the tension on the belt after a longer period of use.



Accessories

1. Undercarriage for conveyor type no. 330-POD-216
2. Hopper type no. 330-TRA-028

During transport all extra equipment must be firmly fastened to the conveyor.

Parts list for conveyor model C 6000

Lp	Item	catalogue No
1	Conveyor frame	600-SPR-103
2	Undercarriage frame	000-SPR-105
3	Wheel	000-SPR-106
4	Catch	000-SPR-107
5	Cable protection	000-SPR-108
6	Scrubber I	000-SPR-109
7	Scrubber II – plough	000-SPR-110
8	Left side shield left	000-SPR-111
9	Back lower shield	000-SPR-112
10	Back upper shield	000-SPR-113
11	Right side shield	000-SPR-114
12	Motor 0,5 kW 230V Motor 0,5 kW 110V	600-SPR-116 600-SPR-118
13	Right stretcher plate	000-SPR-119
13a	Right lower stretcher plate	000-SPR-189
14	Left stretcher plate	000-SPR-120
14a	Left lower stretcher plate	000-SPR-190
15	Stretcher bolt	000-SPR-121
16	Side shield	000-SPR-122
17	Emergency stop	000-SPR-123
18	Socket	000-SPR-124
19	Main switch 0.5 kW 230 V Main switch 0.5 kW 110 V	600-SPR-126 600-SPR-128
20	Belt guide	000-SPR-129
21	Belt guide block - ertalon	000-SPR-130

22	Aluminium roll	000-SPR-131
23	PVC big shield left	000-SPR-132
24	PVC big shield right	000-SPR-133
25	PVC back shield	000-SPR-134
26	Fixing flat bar I + rivets	600-SPR-138
27	Fixing flat bar II + rivets	600-SPR-143
28	PVC belt	600-SPR-148
28a	Rubber belt	600-SPR-153
29	Left PVC shield belt	600-SPR-158
30	Right PVC shield belt	600-SPR-163
31	Fixing flat bar III + rivets	600-SPR-168
32	Upper steel sheet	600-SPR-173
33	Center steel sheet	600-SPR-179
34	Bottom steel sheet	600-SPR-177
35	Axle	000-SPR-181
36	Distance piece	000-SPR-182
37	Shield support	000-SPR-188
38	Scrubber II plough block - ertalon	000-SPR-187
39	Belt tensor block - ertalon	000-SPR-183
40	Belt tensor	000-SPR-184
41	Scrubber I block - ertalon	000-SPR-186
42	Hopper	000-SPR-189
43	Catch for hopper	000-SPR-185
44	Strengthening plate	000-SPR-191

Technical data

Technical data: Conveyor Belt	C 6000
Weight excluding transport wheel	90 kg
Length, centre distance motorised drum and idler roller	6000 mm
Total length (centre distance + 600mm)	
Max. Width and height of the frame excl. hopper	480 x 225 mm
Width of belt	340 mm
Power of motorised drum with 230 V single phase power supply	0,75 kW
Belt speed	0,32 m/sek
Maximum loading weight on the belt from motorised drum	250 kg
Type no.	600-TRA-000

Service

Please contact Baron A/S for nearest service outlet

Baron A/S

Industrivej 54
7080 Børkop
Denmark

Tel : +45 70 15 70 22
Fax : +45 70 15 70 23
Mail : info@baron-mixer.com
Web : www.baron-mixer.com