

CG180

OPERATING INSTRUCTIONS



NORTON
SAINT-GOBAIN®

clipper®



SAINT-GOBAIN
CE Declaration of conformity

The undersigned manufacturer:

SAINT - GOBAIN ABRASIVES S.A.
190, BD. J. F. KENNEDY
L-4930 BASCHARAGE

Declares that this product:

Type of machine: CG180 230V

Code: **70184601171**

is in conformity with the following Directives :

"MACHINES" 2006/42/CE

"LOW VOLTAGE" 2006/95/CE

"ELECTROMAGNETIC COMPATIBILITY " 2004/108/CE

"NOISE" 2000/14/CE

and the European standard :

EN 60 745

Valid for machines with serial number from:

20150000

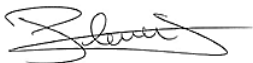
Storage location of the technical documents:

Saint-Gobain Abrasives 190, Bd. J. F. Kennedy 4930 BASCHARAGE, LUXEMBOURG

This declaration of conformity loses its validity when the product is converted or modified without agreement.

Bascharage, Luxembourg, 01/01/2016.

Olivier Plenert, executive officer.



Important Safety Instructions

Important instructions and warning notices are allegorized on the machine by means of symbols:



Before you start working, read the operating instructions of the machine.



Work concentrated and carefully. Keep your work-place clean and avoid dangerous situations.



In order to protect the user, take precautions.

During work you should wear ear protectors, goggles, dust mask, protective gloves and sturdy work clothes!



Use ear protection



Wear safety goggles



Wear a dust mask



Wear protective gloves

Warning notices



Warning of general danger



Warning of dangerous voltage



Warning of hot surface



Danger of being ripped or cut

Specifications

Concrete Grinder CG 180

Rated voltage	230 V
Power input	2500 W

Frequency:	50 - 60 Hz
Rated speed:	6000 rpm
No-load speed:	9500 rpm
Max. disc diameter:	180 mm
Spindle:	Ø 22,2mm
Protection class:	II
Degree of protection:	IP 20
Net weight:	about 8,4 kg
Interference suppression:	EN 55014 and EN 61000

Content of Delivery

Concrete grinder with tool kit and operating instructions in a metal case.

Application for Indented Purpose

The concrete grinder is indented for professional use.

With an appropriate grinding wheel, the tool may be used for smoothing rough concrete, removing mould seams, residual mud, joint fillers and tile adhesives. **Only use grinding wheels recommended by the manufacturer. These have a small weight and a high concentricity. Using other grinding wheels can cause an overload of the machine or damage of the bearings and danger to the user.**

Safety Instructions



Safe work with the machine is only possible if you read this operating instruction and follow the instructions contained strictly.

Additionally, the general safety instructions of the leaflet supplied with the tool must be observed. Prior to the first use, the user should absolve a practical training



If the mains cable gets damaged or cut during the use, do not touch it, but instantly pull the plug out of the socket. Never use the tool with damaged mains cable.



The tool must neither be wet nor used in humid environment.

- Do not use the tool in an environment with danger of explosion.
- Do not grin into asbestos-containing materials.
- Modifications of the tool are prohibited.
- Never use the machine without dust guard.
Use machine with partly removed dust guard in corners only.
For other applications the dust guard must always be closed.
- Always check the tool, cable and plug before use and plug before use.
Have damages only repaired by specialists.
Insert the plug into the socket only when the tool switch is off.
- When you work outside, the machine has to be used with a fault-current circuit breaker with max. 30 mA.
- The machine should only work under supervision of somebody.
Plug and switch the machine off if it is not under supervision, in case of putting up and stripping down the machine, in case of voltage drop or when fixing or mounting an accessory.
- Switch the machine off if it stops for whatever reason. You avoid that it starts suddenly and not under supervision.
- Don't use the machine if a part of the housing is damaged or in case of damages on the switch, the cable or plug.
- Pay attention that the speed indicated on the grinding wheel meets or is higher than the max. speed indicated on the machine.
- Grinding wheels have to be stored and used carefully according to the instructions of the producer.
- Check the accessories before use. Do not use any products which are broken, cracked or damaged in another way.
- Before use, make sure that the tool is correctly fixed and fastened.
Let it run idle for about 30 seconds in a safe position. If considerable vibrations occur or if other defects are recognised, switch off immediately.
- Always lead the mains and extension cable as well as the extraction hose to the back away from the machine.
- Power tools have to be inspected by a specialist in regular intervals.
- Never carry the machine at its cable.
- Do not touch rotating parts.
- Persons under 16 years of age are not allowed to use the tool.
- **During use, the operator and other persons standing nearby have to wear suitable ear protectors, a dust mask, safety goggles and protective gloves.**



- Make sure that persons in the work space are not endangered by particles flying around.
- Keep the handles dry, clean and free of oil and grease.
- **During operation, always hold the tool with both hands.**

- **Attention! The tool still runs for a little while after the machine was switched off.**

For further safety instructions, please refer to the enclosure!



Electrical Connection

Before starting the machine check the correspondence between voltage and frequency according to the data mentioned on the identification plate. Voltage differences from + 6 % and – 10 % are allowed.

The grinder is made in protection class II.

Only use extension cables with a sufficient cross-section. A cross-section which is too small could cause a considerable drop in performance and an overheating of machine and cable. The tool includes a start-up speed limiter to prevent fast expulsion fuses from unintended responding.

Switching on and off

Short-Time Operation

Switching-on: press the on/off switch

Switching-off: release the on/off switch

Permanent Operation (only by using with floor guiding device)

Switching-on: press the on/off switch and, keeping it pressed, engage the lock-on button

Switching-off: press the on/off switch and release it again



Attention!

In case of every stop of the machine or a power cut, the lock-on button has to be released immediately by pressing the ON/OFF switch. So you can avoid an unintentional restart of the machine (physical hazard).

Dust Extraction

Dust which occurs during your work is hazardous to health. That is why the concrete grinder must be used with a vacuum cleaner, and a dust mask has to be worn. A suitable Wet/Dry Vacuum Cleaner is available as accessory. It can directly be attached to the connection on the dust hood.

Instruction for Use

Switch the machine on and put it carefully on the surface you want to work on. Hold the tool with both hands and work with circular or linear movements.

For best working results: Don't put too much pressure on the surface you want to work on.

For grinding works right into edges of the wall one segment of the dust guard can be removed by means of the chucking device. This allows grinding on surfaces which are usually hard to reach.

For it loosen both wing screws and pull the segment off (see fig. below).

Attention! All other grinding works have to be done with the complete closed dust guard.

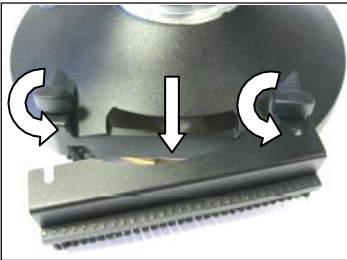
Changing the Diamond Grinding Wheel



Attention!

The grinding wheel might heat up enormously during operation. You could burn your hands or get cut or ripped by the segments. Therefore, always use protective gloves when changing the grinding wheel.

Before any work on the tool, disconnect the plug from the mains!

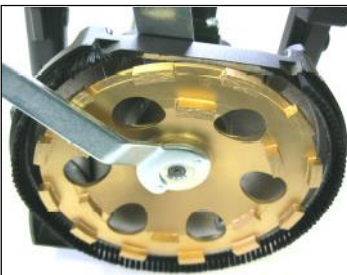


First of all, the detachable hood segment has to be removed.

For it loosen both wing screws and pull the segment off.



Through the opening at the protection cover now you can hold up the driving disc between gearbox and grinding wheel by using the jaw wrench 32 included in the delivery.



Use the face spanner to unscrew the driving nut.

Then remove the mounted grinding wheel respectively mount the new one.

The assembly works the other way round!

After mounting the grinding wheel, let the machine run for a short period of time and in a safe position. If the machine does not run easily, stop working immediately.

Use only original accessory!

Overload Protection

In order to protect the operator, motor and drill bit, the concrete grinder is equipped with an electronic and thermal overload protection.

Thermal: In case of permanent overload, a thermocouple protects the motor against destruction. In this case, the tool switches off automatically and can only be restarted after a certain cooling period (approx. 2 minutes). The cooling period depends on the heating of the motor winding and the ambient temperature.

Electronic: In case of overload, the electronic facility will deenergize the tool. After discharge and reengagement one can drill again.

Care and Maintenance



Before the beginning of maintenance or repair works you have to disconnect the plug from the mains.

Repairs may be executed only by appropriately qualified and experienced personnel. After every repair the machine has to be inspected by an electric specialist.

Due to its design, the machine needs a minimum of care and maintenance.

However, the following points always have to be observed:

- Always keep the power tool and the ventilation slots clean.
- During work, please pay attention that no particles get inside the machine.
- In case of failure, a repair has to be carried out by an authorised service workshop.

Environmental Protection



Raw material recycling instead of waste disposal

To avoid damages on transportation, the power tool has to be delivered in a sturdy packing. Packaging as well as unit and accessories are made of recyclable materials and can be disposed accordingly.

The tool's plastic components are marked according to their material, which makes it possible to remove environmental friendly and differentiated because of available collection facilities.

Only for EU countries

Do not dispose of electric tools together with household waste material!



In observance of the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Noise Emission / Vibration

The indication of noise emission is measured according to DIN 45 635, part 21. The level of acoustic pressure on the work place could exceed 85 dB (A); in this case protection measures must be taken.



Wear ear protectors!

The typical hand-arm vibration is below 2.5 m/s².
Measured values determined according to EN 60 745.

The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period. An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

Dust protection

Dust from material such as paint containing lead, some wood species, minerals and metal may be harmful. Contact with or inhalation of the dust may cause allergic reactions and/or respiratory diseases to the operator or bystanders.

Certain kinds of dust are classified as carcinogenic such as oak and beech dust especially in conjunction with additives for wood conditioning (chromate, wood preservative). Material containing asbestos must only be treated by specialists.

Where the use of a dust extraction device is possible it shall be used.

To achieve a high level of dust collection, use industrial vacuum cleaner dust class M for wood and/or minerals together with this tool.

The work place must be well ventilated.

The use of a dust mask of filter class P2 is recommended.

Warranty

According to our general terms of delivery for business dealings, suppliers have to provide to companies a warranty period of 12 months for redhibitory defects (to be documented by invoice or delivery note).

Damages due to natural wear, oversteering or improper handling are excluded from this warranty.

Damages due to material defects or production faults shall be eliminated free of charge by either repair or replacement.

Complaints will be accepted only if the tool is returned in non-dismantled condition to the manufacturer or an authorized CLIPPER service centre.

SAINT-GOBAIN ABRASIVES NV/SA
INDUSTRIELAAN 129
1070 ANDERLECHT
BRUSSELS
BELGIUM
TEL: +32 2 267 21 00
FAX: +32 2 267 84 24

SAINT-GOBAIN ABRASIVES, S.R.O.
POČERNICKÁ 272/96, MALEŠICE
108 00 PRAHA 10
CZECH REPUBLIC
TEL: +420 255 719 326
FAX: +420 255 719 321

SAINT-GOBAIN ABRASIVES A/S
ROBERT JACOBSENS VEJ 62A
2300 KØBENHAVN S
DENMARK
TEL: +45 4675 5244

SAINT-GOBAIN ABRASIVES
JUMEIRA LAKE TOWERS FREE ZONE
CLUSTER E
SABA 1 TOWER, OFFICE 2201
PO BOX 643706
DUBAI, U.A.E
TEL: +971 4 4315154
FAX: +971 4 4315434

SAINT-GOBAIN ABRASIFS
RUE DE L'AMBASSADEUR - B.P.8
78 702 CONFLANS CEDEX
FRANCE
TEL: +33 (0)1 34 90 40 00
FAX: +33 (0)1 39 19 89 56

SAINT-GOBAIN ABRASIVES GMBH
BIRKENSTRASSE 45-49
D-50389 WESSELING
GERMANY
TEL: +49 (0) 2236 703-1
+49 (0) 2236 8996-0
+49 (0) 2236 8911-0
FAX: +49 (0) 2236 703-367
+49 (0) 2236 8996-10
+49 (0) 2236 8911-30

FÜR DEN FACHHANDEL ÖSTERREICH
TEL: +43 (00) 662 430 076

SAINT-GOBAIN ABRASIVES KFT.
1225 BUDAPEST
BÁNYALÉG U. 60/B.
HUNGARY
TEL: +36 1 371 22 50
FAX: +36 1 371 22 55

SAINT-GOBAIN ABRASIVI S.P.A
VIA PER CESANO BOSCONI 4
I-20094 CORSICO MILANO
ITALY
TEL: +39 02 44 851
FAX: +39 02 44 78 266

SAINT-GOBAIN ABRASIVES S.A.
190 RUE J.F. KENNEDY
L-4930 BASCHARAGE
GRAND DUCHE DE LUXEMBOURG
TEL: +352 50 401 1
FAX: +352 50 16 33
NO. VERT (FRANCE) 0800 906 903

SAINT-GOBAIN ABRASIFS.
2 ALLÉE DES FIGUIERS
AIN SEBAÄ - CASABLANCA
MOROCCO
TEL: +212 5 22 66 57 31
FAX: +212 5 22 35 09 65

SAINT-GOBAIN ABRASIVES BV
GROENLOSEWEG 28
7151 HW EIBERGEN
P.O. BOX 10
7150 AA EIBERGEN
THE NETHERLANDS
TEL: +31 545 466466
FAX: +31 545 474605

SAINT-GOBAIN ABRASIVES AS
POSTBOKS 11, ALNABRU, 0614 OSLO
BROBEKKVEIEN 84
0582 OSLO
NORWAY
TEL: +47 63 87 06 00
FAX: +47 63 87 06 01

SAINT-GOBAIN HPM POLSKA SP. Z O.O.
UL. NORTON 1
62-600 KOŁO
POLAND
TEL: +48 63 26 17 100
FAX: +48 63 27 20 401

SAINT-GOBAIN ABRASIVOS, L. DA
ZONA INDUSTRIAL DA MAIA
I-SECTOR VIII, NO. 122
APARTADO 6050
4476 - 908 MAIA
PORTUGAL
TEL: +351 229 437 940
FAX: +351 229 437 949

SAINT-GOBAIN GLASS,
BUSINESS UNIT ABRASIVI
PUNCT DE LUCRU:
LOC.VETIS, JUD. SATU MARE
447355, STR. CAREIULUI 11,
PARC INDUSTRIAL RENOVATIO
ROMANIA
TEL: +40 261 839 709
FAX: +40 261 839 710

SG HPM RUS
58, F. ENGELS STR.
STROENIE 2
105082 MOSCOW
RUSSIA
TEL: +74 955 408 355
FAX: +74 959 373 224

SAINT-GOBAIN ABRASIVES (PTY) LTD
2 MONTEER ROAD
ISANDI 1600
P.O. BOX 67
SOUTH AFRICA
TEL: +27 11 961 2000
FAX: +27 11 961 2184/5

SAINT-GOBAIN ABRASIVOS, S.A.
CTRA. DE GUIPÚZCOA, KM. 7,5
E-31195 BERRIOPLANO (NAVARRA)
SPAIN
TEL: +34 948 306 000
FAX: +34 948 306 042

SAINT-GOBAIN ABRASIVES AB
BOX 495
SE-191 24 SOLLENTUNA
SWEDEN
TEL: +46 8 580 881 00
FAX: +46 8 580 881 01

SAINT-GOBAIN INOVATIF MALZEMELER VE
AŞINDIRICI SAN. TIC. A.Ş.
GOLD PLAZA, ALTAY ÇEŞME MAHALLESİ,
ÖZ SOKAK, NO:19/16
34843 MALTEPE-İSTANBUL,
TURKEY
TEL: 0090-216-217 12 50
FAX: 0090-216-442 40 74

SAINT-GOBAIN ABRASIVES
DOXEY RD
STAFFORD
ST14 1EA
UNITED KINGDOM
TEL: +44 1785 222 000
FAX: +44 1785 213 487



SAINT-GOBAIN

Saint-Gobain Abrasifs
190 Rue J.F. Kennedy
L 4930 Bascharage
Grand Duche de Luxembourg
Tel: +352 50 401 1
Fax: +352 50 16 33
no. vert (France) 0800 906 903

www.nortonabrasives.com/

