Pro Circle Cutter
Operating Manual

Read before use and keep safe

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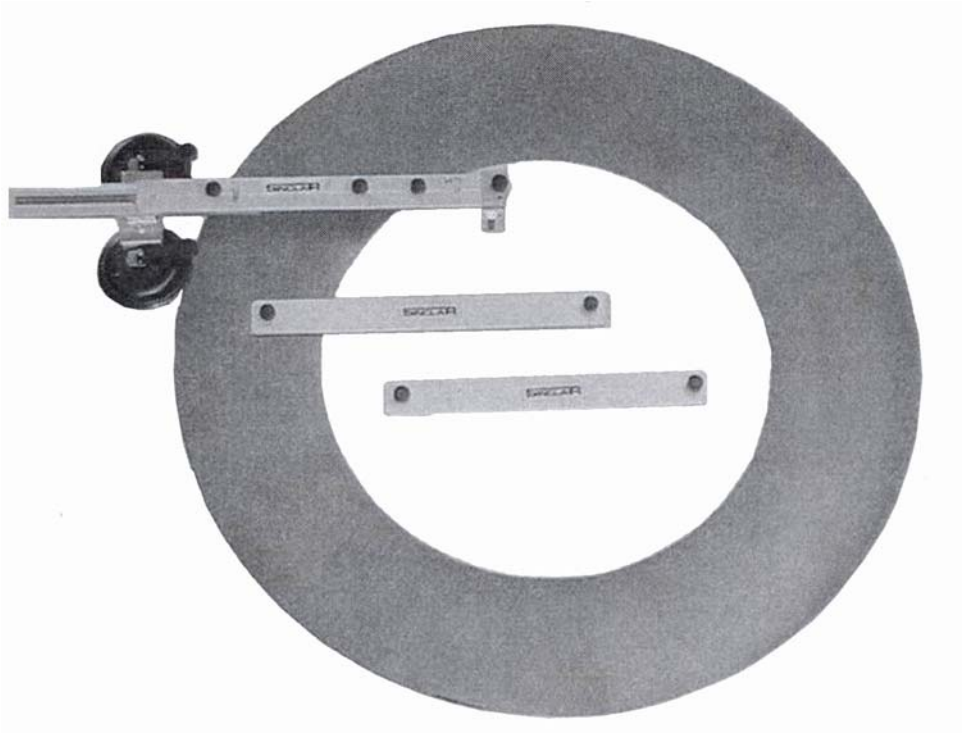


1.0 Technical description

Circles and circle segments up to 102” in resilient or textile flooring as well as parquet and laminates.

Comes with:
Circle cutter, acrylic plate, extensions up to 51” radius, power strips, pencil, replacement blades and carrying case.

Accessories:
Extensions up to excess to 16’ radius, item #11-7855
Pro Grooving Attachment, item #11-7860
Pro Corner/Wall Radius Adaptor, item #11-7865

2.0 Fastening the circle cutter onto the flooring:

The circle cutter is fastened with 2 extractors onto the flooring. With coarse flooring like carpet of parquet, an acrylic plate is laid under. We recommend using the acrylic plate with all types of flooring. By doing so, the power of the extractors is sufficient for a period of 30 minutes to 1 hour.

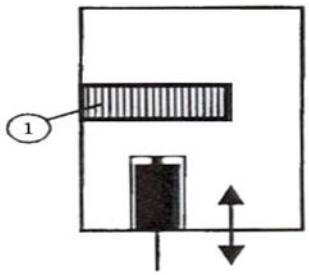
- Stick 4 power strips onto the acrylic and remove the back of the strips.
- Center the acrylic plate on the circle center and press it down
- Center the center pin of the circle cutter plate.
- Press the circle down and fasten it with the extractor levers.

3.0 Adjusting the radius:

The radius of circles up to 17.72” is adjusted with the integrated scale. The scale always shows the radius, not the diameter. With large circles use the extensions and adjust the radius with a meter rule. To adjust the radius, loosen the thumb screws at the extensions. Push in the extension into the circle cutter more than 50% of its length. This improves the stability of the device.

4.0 Scribing or cutting, depth adjustment of the blade:

The depth of the blade can be adjusted exactly, depending whether you want to scribe or cut. The blade mounting on rollers always keeps the depth constant. By turning thumb screw (1) you adjust the depth.



5.0 Application

Depending on the type of flooring, the circle cutter is used differently.
We recommend the methods listed below:

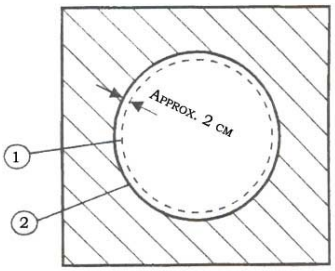
Textile flooring	Cutting
Resilient flooring	Scribing, cutting with a knife with hooked blade
Parquet & Laminate	Milling with milling machine (or marking with pencil)

5.1 General Comments

Turn the circle slowly; don't exert much pressure on the blade.
"Circle 1" means the circle in the external flooring (drawn w/stripes).
"Circle 2" means the circle in the internal flooring (drawn white)

5.2 Textile flooring

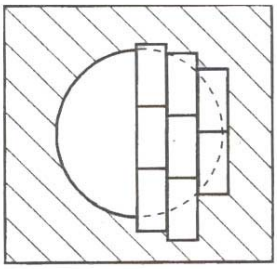
Cut circle 1 and 2 with the circle cutter.



5.3 Resilient flooring

A. Roll material:

- Scribe the desired radius of circle (1) (drawn w/stripes) and cut circle with a knife with hooked blade.
- Scribe circle (2) in the new flooring (radius approx. 2cm larger) and cut circle with knife with hooked blade.
- Center circle (2) into circle (1), so that circle (2) overlaps (as shown in picture 1)
- Scribe circle (2) with scriber and cut it with a knife.
- Rub the seam with flooring roller.



B. Tiles:

- Lay out the tiles for the external circle and fix them on double-sided tape.
- Scribe the external circle with the circle cutter.
- Remove scribed tiles individually and cut them with a knife and re-insert each tile at once.
- Lay out the tiles for the internal circle, cut the tiles so that they overlay the external circle approx. 2cm.
- Scribe each tile with a scriber, cut it with a knife and re-insert it at once.
- If all tiles are cut correctly, remove the double-sided tape. Bond tiles with adhesive and rub them with a flooring roller.

5.4 Parquet and laminate

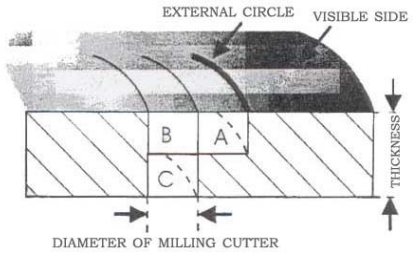
The circle cutter has to be connected with a standard milling circles in parquet and laminate. To connect the milling machine, the adaptor for milling machine, item #11-7860 is necessary. Using a milling machine with milling cutter, a circle is milled with the circle cutter.

For floating installation of parquet, we recommend the following methods:
If the parquet is bonded all-over, mill the circle without the "step".

- Mill a "step" into the external circle, the internal circle is laid into the step.
- Always mill a step of ½ of the depth (1/2 of the parquet thickness)
- Use a milling cutter with a 5mm diameter (thus you calculate the step much easier)
- Always use a base when milling to protect the ground or floor.

A. Prepare the circle cutter

- Assemble the milling machine with the adaptor to the circle cutter.
- Fasten the circle cutter with acrylic plate and adjust radius.



B. Mill external circle

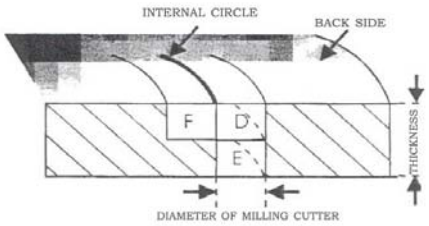
Mill the parquet of the external circle visible (top) side.

- Adjust milling depth to ½ parquet thickness, check milling depth with a gauge on a sample piece.
- Mill external radius “A”.
- Reduce the radius adjustment of the circle cutter: subtract the diameter of the milling cutter (e.g. 5 mm).
- Mill external radius “B”.
- Adjust milling depth to the parquet thickness.
- Mill external radius “C”.

C. Mill internal

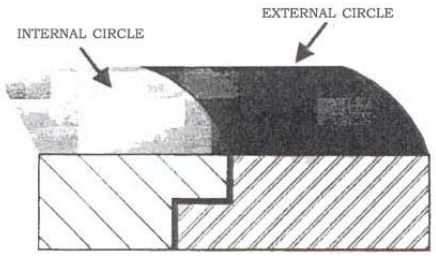
Mill the parquet of the external circle from the back side.

- Adjust milling depth to ½ parquet thickness, check milling depth with a slide gauge on a sample piece.
- Adjust the radius for the internal circle to: radius of circle “C” + 2 x diameter of the milling cutter.
- Mill internal radius “D”.
- Adjust milling depth to the parquet thickness.
- Mill internal radius “E”.
- Reduce the radius adjustment of the circle cutter: subtract the diameter of the milling cutter (e.g. 5mm).
- Mill internal radius “F”.



D. Sample drawing

- The step for the circle should look like the item shown in the drawing.



5.5 Numerical example for milling parquet or laminate

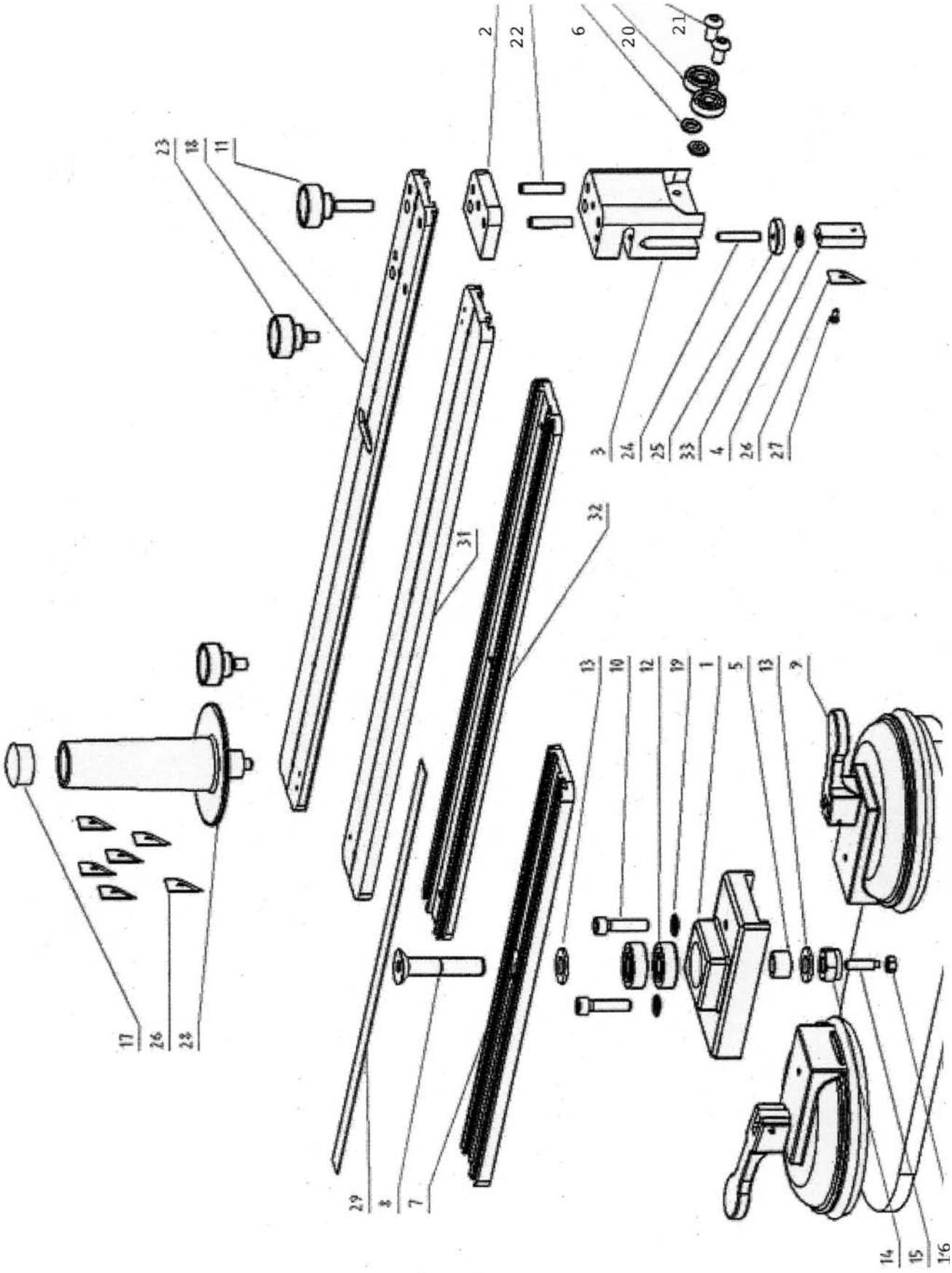
Thickness of parquet 12 mm, milling cutter 5 mm, desired radius 200 cm.

A. Mill the external circle from the visible (top) side:
   - Adjust milling depth to 6mm.
   - Mill external circle “A” with radius = 200 cm.
   - Reduce the radius (use the scale for adjusting): subtract the diameter of the milling cutter (5mm).
   - Mill external circle “B” with radius = 195 cm.
   - Adjust milling depth to 12 mm.
   - Mill external circle “C” with radius = 195 cm.

B. Mill the internal circle from the back side:
   - Adjust milling depth to 6 mm
   - Adjust the radius for the internal circle to 205 cm.
     (=Radius of circle “C” + 2 x diameter of the milling cutter).
   - Mill internal circle “D” with the radius = 205 cm.
   - Adjust milling depth to 12 mm.
   - Mill internal circle “E” with radius = 205 cm.
   - Reduce the radius (use the scale for adjusting): subtract the diameter of the milling cutter (5 mm).
   - Mill internal circle “F” with radius = 200 cm.

6.0 Spare Parts

Schematic #	Description	Part #
1	Bearing block	041178500
2	Acrylic plate	117851000
3	Blade support	041178530
4	Slide block for blade	041178540
5	Spacer block	041178550
6	Distance block	041178570
7	Turning profile	041178510
8	Special countersunk screw	041178580
9	Extractor	041178560
10	Cylindrical screw	009113700
11	Thumb screw	009620520
12	Deep grove ball bearing	006000300
13	Washer	009410600
14	Nut	009314400
15	Center pin	009640850
16	Nut	009314400
17	Stopper	009818150
18	Adjusting profile	041178520
19	Washer	009410400
20	Deep groove ball bearing	000626200
21	Oval head countersunk screw	009212200
22	Straight pin	009617820
23	Thumb screw	009620800
24	Headless pin	009186010
25	Thumb nut	009317200
26	Blade	117830000
27	Oval head countersunk screw	009212100
28	Handle	009803120
29	Scale	009804050
31	Extension 430	117852000
32	Extension 390	117852010
33	Adjusting washer	009416010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STANDARD WARRANTY

SINCLAIR EQUIPMENT COMPANY'S tools are warranted to be free of defects in workmanship and materials for a period of one year from the date of original purchase. Should any trouble develop during this one year period, return the complete tool, freight prepaid, to SINCLAIR'S authorized Service Center. If inspection shows the trouble is caused by defective workmanship or materials, SINCLAIR EQUIPMENT COMPANY will repair, or, at its option, replace without charge.

- This warranty does not apply to malfunctions caused by damage, unreasonable use, faulty repairs made by others, or failure to provide recommended maintenance.

- The warranty is void if the product is altered by the original consumer purchaser, or if it is used in a manner not recommended by the manufacturer.

- The warranties do not cover consequential damages or transportation charges incurred with the replacement or repair of SINCLAIR EQUIPMENT COMPANY products.

- Not responsible for lost job or down time.

In no event shall SINCLAIR be liable for any indirect, incidental, or consequential damages from the sale or use of the product. This disclaimer applies both during and after the term of this warranty.

SINCLAIR EQUIPMENT COMPANY disclaims liability for any implied warranties, including implied warranties of "merchantability" and "fitness for a specific purpose", after the one year term of this warranty.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Should you have any questions, contact SINCLAIR EQUIPMENT COMPANY at (530) 626-9386.

To obtain warranty service, deliver or send the complete tool, prepaid, to SINCLAIR EQUIPMENT COMPANY. Be sure to include the following information:

- Nature of failure;
- Name and address of distributor where tool was purchased;
- Application of tool when rendered defective; and
- Proof of purchase.

To obtain individual repair parts, contact SINCLAIR EQUIPMENT COMPANY with the following information:

- Tool model number;
- Item part number; and description of part.