

HOW TO USE THE EASY SPIROGRAPH GUIDES

PATTERNS DRAWN WITH WHEELS INSIDE OF RINGS

In the guides for the designs in this kit, the RING to use is shown first. Then, the number of the WHEEL is shown in a circle. Next comes the COLOR of pen to use. The numbers thereafter are the HOLES in which to insert the pen. (On the envelope the HOLE Number is printed in color to indicate the color of pen to use.) Always start at mark 1 of the Ring unless instructed otherwise.

LONG PATTERNS DRAWN WITH WHEEL AROUND RACKS

For designs using a Wheel around a Rack, the Rack Number is shown first. Then the WHEEL, followed by the COLOR of pen to use and the holes in which to insert the pen. Always note the MARK on the Rack at which you start your design.

FASCINATING CONTINUOUS PATTERNS

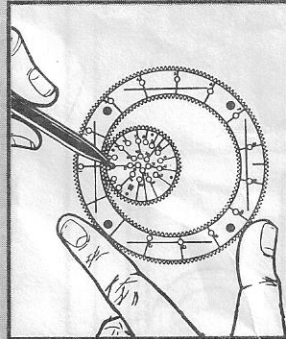
For designs using a Ring and Wheel between two Racks, guides are shown in the same manner as patterns drawn with Wheels inside of Rings.

GIANT-SIZE PATTERNS

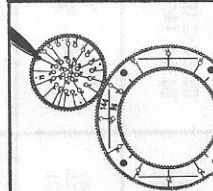
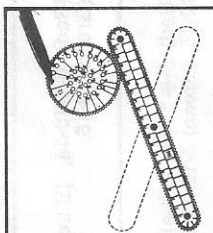
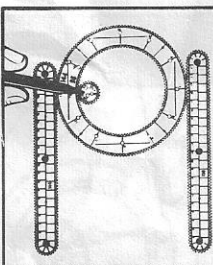
For Designs using Wheel outside of a Ring, with the exception that you are given a starting point for your wheel, the guides are the same as patterns drawn with Wheels inside Rings.

JUST FOLLOW THE GUIDES... MAKE THESE 54 BEAUTIFUL MYSTERY PATTERNS

PATTERNS DRAWN WITH WHEELS INSIDE OF RINGS		LONG PATTERNS DRAWN WITH WHEEL AROUND RACKS		FASCINATING CONTINUOUS PATTERNS		GIANT-SIZE PATTERNS	
144 96	• (60) • (Red) 1-2-3-4-5, move 4 teeth right and repeat in (Blue), then move 4 teeth right and repeat in (Green).	150 105	• (84) • (Blue) 1-2-4-5-26-27-29-30, (Red) 3-17-18-20-21.	144 96	• (56) • (Red) 4-5-9-10-14-15, move 4 teeth right, (Blue) 1-2-6-7.	150 105	• (56) • (Red) 1-3-6-9-21, (Blue) 12-15.
144 96	• (60) • (Blue) 1, draw 3 patterns moving 1 tooth right for each. (Green) 1 repeat moving one tooth right for each pattern.	144 96	• (60) • (Red) 1-2-3-4-5-6, move 6 teeth right, (Green) 1-2-3-4-5.	150 105	• (75) • (Red) 1-3-6-14, (Green) 10-13-16, (Blue) 2-5-7-9-11.	150 105	• (80) • (Red) 1-32, (Blue) 5, (Green) 3.
144 96	• (40) • (Blue) 1, draw 3 patterns moving 1 tooth right for each. (Red) 1, move 2 teeth right of last pattern and draw 3 patterns moving 1 tooth right for each.	150 105	• (80) • (Red) 6-8-10-14, (Blue) 18, (Green) 12-16.	150 105	• (75) • (Red) 2-7-10-16-22, (Green) 4-13-19-25.	150 105	• (45) • (Blue) 5-6-7, (Green) 9-10-11, (Red) 1-2-3-13-14-15.
144 96	• (60) • (Blue) 1, draw 3 patterns moving 1 tooth right for each. (Green) 1 repeat moving one tooth right for each pattern.	150 105	• (75) • (Red) 5-8-11-14, (Blue) 6-9-12-15, (Green) 7-10-13-16.	150 105	• (60) • (Black) 10-12, (Blue) 14-16, (Green) 18-20, (Red) 9-22-23.	150 105	• (80) • (Red) 9-12-15-18, (Blue) 10-13, (Green) 11-14-17-20.
144 96	• (60) • (Red) 1-2-3-4-5, move 4 teeth right and repeat in (Blue), then move 4 teeth right and repeat in (Green).	150 105	• (45) • (Green) 1-3-5-7-9-11-13, then draw (Red) 15-13-11-9-7-5-3-1 moving one tooth right for each hole.	144 96	• (80) • (Red) 2-6-21, (Blue) 4-23.	144 96	• (64) • (Red) 1-9-19, (Blue) 1-9-19 at mark 2, (Green) 1-9-19 at mark 3, (Black) 1-9-19 at mark 4.
144 96	• (60) • (Blue) 1, draw 3 patterns moving 1 tooth right for each. (Green) 1 repeat moving one tooth right for each pattern.	150 105	• (63) • (Red) 16-18-24, (Blue) 17-23-25, move to 3 teeth right of mark 2 of ring, and draw (Red) 4-6, (Blue) 5.	144 96	• (84) • (Red) 1-14, repeat at mark 3 of ring, then at mark 2 of ring draw (Red) 1-27.	144 96	• (75) • (Blue) 1, (Green) 25, (Green) 2-8.
144 96	• (40) • (Blue) 1, draw 3 patterns moving 1 tooth right for each. (Red) 1, move 2 teeth right of last pattern and draw 3 patterns moving 1 tooth right for each.	150 105	• (63) • (Red) 4-6, (Blue) 5, (Green) 18-20, (Blue) 19, move 3 teeth right of mark 2 of ring and draw (Blue) 18-20, (Red) 19.	144 96	• (32) • (Red) 1, draw 8 patterns moving one tooth right for each pattern. Change color and repeat until you have drawn 8 patterns in each of the 4 colors.	150 105	• (63) • (Black) 15-16-18-22-23, (Red) 3-4-5.
144 96	• (30) • (Blue) 1-3-5, (84) • (Blue) 34-35	144 96	• (32) • (Red) 5, draw 8 patterns moving 1 tooth right for each pattern. Change color and repeat until you have drawn 8 patterns in each color.	150 105	• (56) • (Blue) 1, move to mark 2 and repeat also at mark 3. (42) • (Blue) 1-3-6-8, move to mark 2 and repeat also at mark 3. (63) • (Blue) 10-12-14, move to mark 2 and repeat also at mark 3.	150 105	• (24) • (Red) 1, (Green) 3-2, (Red) 11, (Red) 16, (Green) 24.



SEE OTHER SIDE ...

<p>150 • 52 • (Green) 1, (Blue) 15, (Blue) 2. 24 • (Blue) 2.</p>	<p>144 • 30 • (Red) 1-4-2, (Blue) 5, (Green) 2-23, (Red) 3. 60 • (Green) 2-23, (Red) 3.</p>	<p>150 • 84 • 3 teeth right of mark 2 of ring (Red) 1-2-8-9-15-16-22-23. 63 • (Black) 1-8-15-22.</p>	<p>144 • 52 • (Blue) 5-6-7, move 2 teeth right and draw (Red) 6-7, (Blue) 5.</p>
<p>150 • 45 • (Black) 1, (Red) 2-4-6-8-10-12-14, moving right one tooth for each hole. Then one tooth left of mark one (Blue) 2-4-6-8-10-12-14, moving 1 tooth left for each hole.</p>	<p>150 • 42 • (Blue) 1, move 1 tooth right and use (Green) 1. Keep moving 1 tooth right and alternating colors for each pattern until you have a complete design.</p>	<p>150 • 30 • (Blue) 1-2-3, (Red) 5-6-7. 75 • (Red) 22-24, (Blue) 26-28. 60 • at mark 2 of ring, (Blue) 2, (Red) 1-3.</p>	<p>144 • 84 • (Black) 1-2-3, (Blue) 9-10-11, (Red) 21-22-23, (Green) 35. Move 2 teeth right and repeat in (Green), move 2 more teeth right, repeat in (Blue).</p>
<p>150 • 45 • (Red) 1-2-3, (Blue) 5-6-7 then move 5 teeth right and repeat, move 5 more teeth right and repeat again. 80 • (Red) 12-14-16-18. 75 • (Blue) 31.</p>	<p>144 • 72 • (Blue) 1-2-3-4-5-6 move 1 tooth right for each hole. (Red) 7-6-5-4-3-2-1 move 1 tooth right for each hole. (Green) 2-3-4-5-6-7 move 1 tooth right for each hole. (Black) 6-5-4-3-2 move 1 tooth right for each hole.</p>	<p>144 • 60 • (Red) 1-2-3, then move 2 teeth right and repeat. 84 • (Blue) 1-2-3 move 2 teeth right of last pattern, move 2 more teeth right and repeat. 96 • (Green) 1-2-3 move 2 teeth right of last pattern, move 2 teeth right and repeat (Green) 1-2-3.</p>	<p>144 • 96 • (Red) 1-2-3, then move 2 teeth right and repeat. 84 • (Blue) 1-2-3 move 2 teeth right of last pattern, move 2 more teeth right and repeat. 96 • (Green) 1-2-3 move 2 teeth right of last pattern, move 2 teeth right and repeat (Green) 1-2-3.</p>
<p>GIANT-SIZE PATTERNS DRAWN WITH WHEEL AROUND OUTSIDE OF RING</p> 	<p>LONG PATTERNS DRAWN WITH WHEEL AROUND A RACK</p> 	<p>CONTINUOUS PATTERNS DRAWN WITH WHEEL AND RING BETWEEN TWO RACKS</p> 	<p>150 • 80 • (Blue) 1, then repeat 1 tooth left of mark 1 of ring, then draw 1 tooth right of mark 1. Move 2 teeth right and draw (Red) 1, move 1 tooth right and repeat (Red) 1. Move 2 teeth right and draw (Green) 1, move 1 tooth right and repeat (Green) 1. 144 • 72 • (Red) 1 at mark 1 of ring, draw 8 patterns moving 1 tooth right for each pattern. (Red) 1 at mark 4 of ring, draw 8 patterns in the same way. (Blue) 1 at mark 2 of ring, draw 8 patterns. (Blue) 1 at mark 5, draw 8 patterns. (Green) 1 at marks 3 and 6, draw 8 patterns starting at each mark. 150 • 60 • (Red) 1, draw 10 patterns moving right 1 tooth for each pattern. Move 2 teeth right and draw (Green) 1 for 9 patterns moving 1 tooth right for each pattern. Move 2 more teeth right and draw (Blue) 1 for 8 patterns moving 1 tooth right for each.</p>
<p>150 • 80 • (Red) 1, draw 3 patterns moving 1 tooth right for each pattern. Then draw (Green) 1 in the same manner. Then draw (Blue) 1 in the same way. 144 • 63 • (Red) 1, draw 3 patterns moving right 1 tooth for each. Move 2 teeth right and draw (Blue) 1, draw 4 patterns in the same way.</p>	<p>Rack 150 • Wheel 64 • (Blue) 1 at mark 1 on rack, then draw (Green) 1, at 1 tooth right of mark 1 of rack. Rack 150 • Wheel 75 • (Blue) 1 at mark 1 on rack, then draw 7 patterns moving 1 tooth right for each pattern. Repeat (Blue) 1 at marks 7 and 16 of the rack in the same way. Repeat using (Red) 1 at marks 4 and 13. Then repeat using (Green) 1 at marks 10 and 19. Rack 150 • Wheel 80 • (Blue) 1-2-3, (Red) 4-5-6: Start at mark 1 on the rack and draw a pattern using each hole and moving right 1 tooth for each hole. Rack 144 • Wheel 56 • (Red) 1 at mark 1 on rack, then at mark 3. Pivot the rack on the center pin until it is up and down across the red patterns you have just drawn. Pin the rack until it is between the red and green patterns. Pin down rack and draw (Blue) 1 at marks 1 and 3. Again pivot until rack is between the green and red patterns on the other side of the design and draw (Black) 1 at marks 1 and 3 of the rack.</p>	<p>Rack 150 • Wheel 66 • (Blue) 1, move ring 3 teeth right at top and bottom for each pattern. Keep repeating until you have drawn 10 patterns. 150 • 75 • (Blue) 6, draw 3 patterns moving 3 teeth right at top and bottom for each pattern. (Red) 6, draw 3 patterns in the same way. Change back to blue pen and repeat. Keep changing pens after you draw the third pattern in each color. 150 • 60 • (Blue) 1, move ring 2 teeth to the right at the top only. Then draw (Green) 1, move 2 teeth to the right and change back to (Blue) 1. Keep repeating until mark 10 of ring is at top.</p>	<p>150 • 48 • (Blue) 1, (Green) 13, start with mark 1 of ring at top. Draw patterns with both holes, move ring 3 teeth to right at top and 2 teeth left at bottom and repeat. Keep repeating until hole 13 of ring is at the top. 150 • 30 • (Red) 1, move ring 3 teeth right at top and bottom for each pattern. Keep repeating until you have drawn 10 patterns. 150 • 75 • (Blue) 6, draw 3 patterns moving 3 teeth right at top and bottom for each pattern. (Red) 6, draw 3 patterns in the same way. Change back to blue pen and repeat. Keep changing pens after you draw the third pattern in each color. 144 • 60 • (Blue) 1, move ring 2 teeth to the right at the top only. Then draw (Green) 1, move 2 teeth to the right and change back to (Blue) 1. Keep repeating until mark 10 of ring is at top. 150 • 75 • (Red) 1-2-3-4-5-6, move ring 1 tooth to right at top for each hole used. Then move ring 2 teeth to right at top and bottom. Then draw 6 patterns with (Blue) 1 moving one tooth to right at bottom only for each pattern. Move 2 teeth right at top and bottom and repeat procedure.</p>