

## **Diamond Array Socks Pattern**

By Nancy Wilson

Once there was a girl who wanted to know what life was like in other places. To help her along, her dad always made sure the household's annual subscription to National Geographic was paid. She read cover to cover about people, cultures, and societies; she poured over articles and pictures. The captions were especially exciting. Were those pictures of other places real? This strange desire to gobble up information even caused her social studies teacher to scold her (imagine it!) for reading ahead in the text. Perhaps the girl wasn't paying attention in class? Harrumph.

Finally she was big enough to travel on her own; her father let her go. She thanked him for gracefully allowing her to have some adventures. To show her gratitude, she began to knit socks for him. His sock drawer is now quite full of her thankfulness. This sock pattern is from some socks knit by that now-grown-up girl for her father who is now aging gracefully. This pair of socks reminds her of what a diamond of a father she has had all along, even though she hasn't always recognized it.



This sock pattern contains columns of diamonds that fit my 80 stitch sock pattern.  
Textured knit diamonds are twisted on a field of purl stitches.

**Yarn needed:** 100 grams of fingering yarn. I used 1 skein of Opal Pullover and Sockenwolle. I knit tightly which makes a very dense fabric, but the socks wear better with less darning required down the road.

**Materials needed:** Size 2 double pointed needles (or size to achieve gauge) and a tapestry needle.

**Stitching notes:** To make this sock, you should be familiar with basic “in-the-round, “top down” sock knitting on double pointed needles, OR be able to change the pattern up in your head so you can use magic loop or knitting on two circular needles. Also the words “round” and “row” can get confusing. “Round” means you’re working the entire sock circle; “row” means you’re on a back and forth part, (heel flap and short rows to turn the heel).

**Gauge:** 8 stitches per inch, 10 rows/rounds per inch (row/round gauge is not vital). Make a swatch, change needle sizes if necessary, or use sock yarn that you know your gauge in stockinette.

### Stitch Glossary

K1, P1	1 x 1 Ribbing Pattern
K2tog	Knit two stitches together: slants to the right
SSK	Slip two stitches, one at a time, to right needle as if to knit, return to left needle, knit through the back slants to the left)
SL1	Slip one stitch



### Begin Knitting:

#### Cuff

Cast on 80 stitches, divide on 3 or 4 needles (your preference), join in the round (put some kind of marker if you want), and work in 1 x 1 ribbing for 10 rounds.

### Diamond Array Stitch Chart:

●	⌘	●	●	●	●	●	●	●	⌘	●	▷	◁	●	●	●	●	●	●	⌘	32	
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	▶	◁	●	●	●	●	●	●	⌘	31
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	▶	◁	●	●	●	●	●	⌘	30
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	▶	◁	●	●	●	●	⌘	29
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	●	▶	◁	●	●	●	⌘	28
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	●	●	▶	◁	●	●	⌘	27
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	●	●	●	▶	◁	●	⌘	26
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	●	●	●	●	▶	◁	●	25
●	⌘	●	●	●	●	●	●	●	⌘	●	▷	◁	●	●	●	●	●	●	●	⌘	24
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	▶	◁	●	●	●	●	●	●	⌘	23
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	▶	◁	●	●	●	●	●	⌘	22
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	▶	◁	●	●	●	●	⌘	21
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	●	▶	◁	●	●	●	⌘	20
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	●	●	▶	◁	●	●	⌘	19
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	●	●	●	▶	◁	●	⌘	18
●	⌘	●	●	●	●	●	●	●	⌘	●	⌘	●	●	●	●	●	●	▶	◁	●	17
●	▷	◁	●	●	●	●	●	●	⌘	●	▷	◁	●	●	●	●	●	●	●	⌘	16
●	⌘	▶	◁	●	●	●	●	●	⌘	●	⌘	▶	◁	●	●	●	●	●	●	⌘	15
●	⌘	●	▶	◁	●	●	●	●	⌘	●	⌘	●	▶	◁	●	●	●	●	●	⌘	14
●	⌘	●	●	▶	◁	●	●	●	⌘	●	⌘	●	●	▶	◁	●	●	●	●	⌘	13
●	⌘	●	●	●	▶	◁	●	●	⌘	●	⌘	●	●	●	▶	◁	●	●	●	⌘	12
●	⌘	●	●	●	●	▶	◁	●	⌘	●	⌘	●	●	●	●	▶	◁	●	●	⌘	11
●	⌘	●	●	●	●	●	▶	◁	⌘	●	⌘	●	●	●	●	●	▶	◁	●	⌘	10
●	⌘	●	●	●	●	●	●	▷	◁	●	⌘	●	●	●	●	●	●	●	▷	◁	9
●	▷	◁	●	●	●	●	●	●	⌘	●	▷	◁	●	●	●	●	●	●	●	⌘	8
●	⌘	▶	◁	●	●	●	●	●	⌘	●	⌘	▶	◁	●	●	●	●	●	●	⌘	7
●	⌘	●	▶	◁	●	●	●	●	⌘	●	⌘	●	▶	◁	●	●	●	●	●	⌘	6
●	⌘	●	●	▶	◁	●	●	●	⌘	●	⌘	●	●	▶	◁	●	●	●	●	⌘	5
●	⌘	●	●	●	▶	◁	●	●	⌘	●	⌘	●	●	●	▶	◁	●	●	●	⌘	4
●	⌘	●	●	●	●	▶	◁	●	⌘	●	⌘	●	●	●	●	▶	◁	●	●	⌘	3
●	⌘	●	●	●	●	●	▶	◁	⌘	●	⌘	●	●	●	●	●	▶	◁	●	⌘	2
●	⌘	●	●	●	●	●	●	▷	◁	●	⌘	●	●	●	●	●	●	▷	◁	●	1
20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		

Chart Key:

⌘	Knit stitch through back of loop (tbl)	
●	Purl Stitch	
▷	◁	Hold 1 <sup>st</sup> Stitch to front, knit next stitch tbl, knit held stitch tbl
▶	◁	Hold 1 <sup>st</sup> Stitch to front, purl next stitch, knit held stitch tbl

### LEG: Use Pattern Chart above

**Round 1:** Follow Diamond Array Stitch Chart 4x until back at the beginning.

**Rounds 2-32:** Continue working all 32 rounds of Stitch Chart. Repeat the entire chart until leg is the desired length (recommended 7" for ladies and 9" for guys). On my socks, I knit the chart 2 times. But since your row gauge may be different, don't feel like you need to do what I did!

TO BEGIN HEEL, END YOUR WORK 6 stitches before the end of the chart.

## HEEL FLAP

Heel will be worked on the next 40 stitches. By ending the chart 6 stitches early, this will leave 3 purl stitches at either side of the instep as you knit down the foot (explained further down). Work reinforced heel as follows:

Row 1: \*SL1 (purlwise), K1\*, repeat between \*'s across row.

Row 2: (Wrong Side) purl

Continue knitting rows 1 and 2 back and forth until heel is almost a square (for me this is usually 28-32 rows). End with a Row 1.

## TURN HEEL (short rows)

P23, P2tog, P1, turn your work (14 stitches remain unknit).

Slip 1st stitch, K9, SSK, K1, turn your work (14 stitches also remain unknit on this side). Also this number, which I won't bother to type, will decrease by 2 every time you turn your work)

Slip 1st stitch, P10, P2tog, P1, turn

Slip 1st stitch, K11, SSK, K1, turn

Slip 1st stitch, P12, P2tog, P1, turn

Slip 1st stitch, K13, SSK, K1, turn

Slip 1st stitch, P14, P2tog, P1, turn

Slip 1st stitch, K15, SSK, K1, turn

Slip 1st stitch, P16, P2tog, P1, turn

Slip 1st stitch, K17, SSK, K1, turn

Slip 1st stitch, P18, P2tog, P1, turn

Slip 1st stitch, K19, SSK, K1, turn

Slip 1st stitch, P20, P2tog, P1, turn

Slip 1st stitch, K21, SSK, K1, do not turn. At this point, 24 stitches remain.

## SET UP FOR GUSSET:

At this point of the knitting, I begin to think of the middle of the heel as the beginning of the round. The next needle is referred to as Needle 1 which contains half the heel-gusset-sole stitches. Needle 2 contains all of the instep (top of foot) stitches. Needle 3 contains the other half of the heel-gusset-sole stitches. (More info can be found in my basic sock knitting pattern on my blog or on Ravelry.)

Take an empty needle, pick up 15 stitches along right side (as if you're wearing them) of heel. Backtrack and move 12 heel stitches to this needle. Now **Needle #1** has 27 stitches on it. Work the Diamond Array stitch across all 40 of **Needle #2**, the instep stitches (p3, work stitches 19, 20 or chart, work complete chart 1-20, work stitches 1-11 again, P4.) Yes, I realize that the number of purl

stitches on either side is different. For **Needle #3**, pick up 15 stitches along the left side (as if you're wearing them) of the heel, and knit across the remaining 12 heel stitches. Now you're at the beginning of a round.

### **GUSSET**

Round 1: K stitches on Needle 1, continue in pattern across Needle 2, K stitches on Needle 3.

Round 2 (Decrease 2 stitches): K all stitches on Needle 1 until 3 stitches remain, K2tog, K1. Continue in pattern across Needle 2. On Needle 3 K1, SSK, knit to end of round.

### **FOOT**

Continue working Rounds 1 & 2 above until 20 stitches remain on Needles 1 & 3, with 40 stitches on Needle 2. Work down the foot, knitting all stitches on Needles 1 & 3, and working in pattern across Needle 2. Work until 1¾ inches less than desired length.

### **TOE**

Round 1 (Decrease round): Needle 1: Knit to the last three stitches, K2tog, K1; Needle 2: K1, SSK, Knit to the last three stitches, K2tog, K1; Needle 3: K1, SSK, knit to the end of the needle (end of round).

Round 2: Knit the next round.

Repeat these two rounds until 24 stitches remain.

Use needle 3 to knit stitches on needle 1 so that there are now 12 stitches on needle 2 and 12 stitches on needle 3.

Cut the yarn, leaving a 12" tail. Hold needles parallel to each other and do the Kitchener stitch. Skillfully weave in the loose ends and knit the other sock!

