

# Robotto - a happy sweater for kids



Design: Nanna Gudmand-Høyer

The Robotto design can be knit both with "magic yarn balls" in lots of bright colours or in two colours to give the design a cool and more graphic look. The body of the sweater is still covered in little robots and the sleeves in a pattern inspired by the Formula 1 flag.

2<sup>nd</sup> English edition - October 2019 © Filcolana A/S  
English translation: Signe Strømgaard

## Materials

Peruvian Highland Wool by Filcolana:

Main Colour (MC): 200 (200) 250 (300) g

Contrast Colour (CC): 150 (200) 200 (250) g

- for the multi coloured version, magic yarn balls are made in the selected colours, so you have the above amount of yarn in total for both MC and CC

4,5 mm circular needle, 60 cm long and 5 mm, 60 cm long.

4,5 mm and 5 mm double-pointed needles

Optional: 5 mm circular needle, 40 cm long, to replace the double-pointed needles with, when possible.

4 stitch markers

## Two coloured version (photos to the right)

MC: 957 (Very Light Grey melange)

CC: 270 (Midnight Blue)

## Multi coloured version (photo below)

MC: 954 (Light Grey melange), 955 (Medium Grey melange) og 956 (Charcoal melange)

CC: 190 (Pistachio), 215 (Carrot), 223 (Sunflower), 255 (Limelight) og 284 (Kumquat)



### Sizes

6 years/116 cl (8 years/128 cl) 10 years/140 cl (12 years/152 cl)

### Measurements

Sweater chest: 77 (81) 86 (88) cm  
 Sleeve length: 28 (32) 37 (41) cm  
 Total length: 52 (56) 60 (64) cm

### Gauge

18 sts and 22 rows in charted pattern on 5 mm needles = 10 x 10 cm.

### Special abbreviations

skp: slip 1 stitch, knit the next stitch, pass the slipped stitch over the knit stitch.

pm: Place stitch marker.

MC: Main color

CC: Contrast color

### Magic yarn balls for the multi coloured version

Make 2 magic yarn balls: One with the MC colors and one with the CC colors. When the colors have been chosen, wrap length of yarn between 3 and 10 meters long in the different MC or CC colors around another to create a ball of yarn. Make sure the colors change randomly and not in a repeated pattern, and vary the lengths of the strands of yarn. When working with the

2 balls of yarn, the ends of the working yarn and the next color are split spliced together, so there are no virtually no ends to weave in at the end.

### Directions for knitting

The sweater is a classic raglan design, knit from the bottom up. First the body is knit, then the sleeves. Body and sleeves are then joined for the yoke.

### Body

Two colour version: Work with CC first, then change to MC (ignore the numbers after MC).

Multi coloured version: Choose a CC and 3 MC colors (MC1, MC2 og MC3) for the ribbing.

Cast on 136 (144) 152 (156) sts on a 4,5 mm circular needle with CC. Join in the round and place a marker for the beginning of the round. Knit 1 round of k2, p2 ribbing. Change to MC1 and work 4 rounds in ribbing, change to MC2 and work 2 rounds in ribbing, Change to MC3 and work 3 rounds in ribbing.

Change to a 5 mm circular needle. Start working the charted patterns while placing markers: Increase 2 sts evenly across the first round. Work chart 1 for 8 (8) 8 (10) sts, pm, work chart 2 for 61 (65) 69 (69) sts, pm, work chart 1 for 8 (8) 8 (10) sts, pm, work chart 2 for 61 (65) 69 (69) sts.

Work the charts as established until the body measures 28 (30) 34 (36) cm.

Chart 2

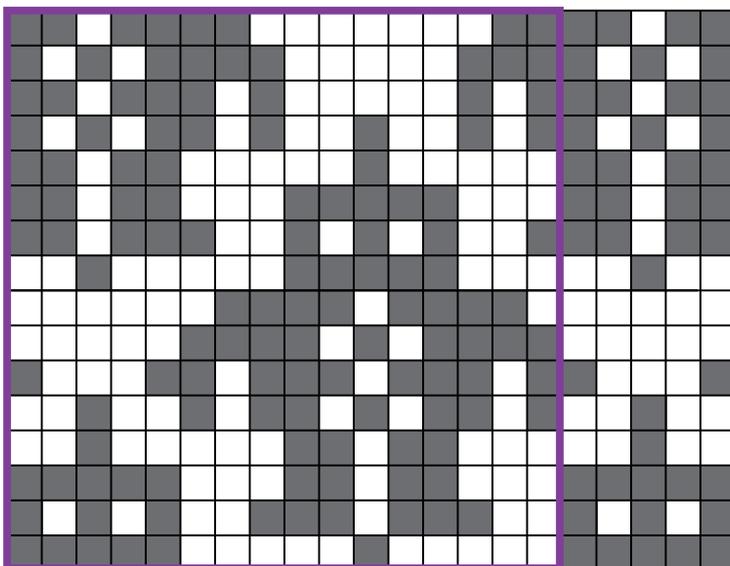
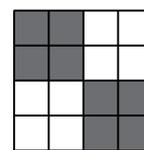


Chart 1



□ MC (magic yarn ball)

■ CC (magic yarn ball)

□ pattern repeat

↑ Where to start for each sizes

↑ size 152 cl  
 ↑ size 140 cl  
 ↑ size 128 cl  
 ↑ size 116 cl

Bind off for the armholes on the next round: Bind off 8 (8) 8 (10) sts, work chart 2 to the next marker, bind off 8 (8) 8 (10) sts, work chart 2 for 61 (65) 69 (69) sts.

Let the sts rest on the needle and knit the sleeves.

## Sleeves

Cast on 28 (32) 32 (36) sts on 4,5 mm double-pointed needles with CC. Join in the round and place a marker for the beginning of the round. Work a round of k2, p2 ribbing. Change to MC1 and work 4 rounds in ribbing, change to MC2 and work 2 rounds in ribbing, Change to MC3 and work 3 rounds in ribbing. Change to 5 mm double-pointed needles. Increase 2 sts evenly across the first round.

Start working the charted pattern while placing markers: K1 with MC, work in chart 1 until there is 1 stitch left of the round, K1 with MC. (Note the MC stitch at the beginning and end of the round together form the sleeve "seam". Increases are worked "outside" these 2 sts ie. after the first and before the last stitch).

Work the following increase round every 4th (4th) 5th (6th) round: K1 with MC, M1 in the color shown in the chart, continue in pattern according to chart 1 until there is 1 stitch left of the round, M1, k1 with MC.

Work increases as established above until there are 54 (58) 60 (64) sts on the needle. Continue straight in pattern until the sleeve measures 28 (32) 37 (41) cm. Bind off for the armhole on the next round: Bind off the first 4 (4) 4 (5) sts, work in pattern to the last 4 (4) 4 (5) sts, bind off the last 4 (4) 4 (5) sts. Work a second sleeve the same way as the first.

## Yoke

Join sleeves and body on the circular needle: Work 1 stitch from the body with MC, work chart 2 to 1 stitch before the bound off sts for the armhole, k1 with MC, pm.

Work the first sleeve: K1 with MC, work chart 1 across sleeve to 1 stitch before the bound off sts for the armhole, k1 with MC, pm.

Work the second half of the body: K1 with MC, work chart 2 to 1 stitch before the bound off sts for the armhole, k1 with MC, pm.

Work the second sleeve: K1 with MC, work chart 1 across sleeve to 1 stitch before the bound off sts for the armhole, k1 with MC, pm.

One stitch before and 1 stitch after each marker is worked with MC throughout the yoke. This creates very visible raglan "seams". (So the decreases are made with MC.)

Work raglan decreases every other round: Skp, work chart 2 to 2 sts before marker, k2tog, skp, work chart 1 across sleeve to 2 sts before marker, k2tog, skp, work chart 2 to 2 sts before marker, k2tog, skp, work chart 1 to 2 sts before marker, k2tog.

Continue in pattern as established while working raglan decreases every other row a total of 18 (20) 21 (22) times = 70 (70) 74 (70) sts on the needle. Change to a 4,5 mm needle, and knit 1 round with



CC3, while decreasing 6 (6) 6 (2) sts evenly across the round. There are now 64 (64) 68 (68) sts on the needle. Continue in k2, p2 ribbing in the following color sequence: Work 2 more rounds with MC3, 2 rounds with MC2, 2 rounds with MC1, 1 round with the ribbing CC color. Bind off loosely with CC.

## Finishing

Sew up the little holes under the sleeves. Weave in the ends. Rinse the sweater and lay it to dry on a flat surface.