Rota Jumper

Difficulty: Intermediate

Designed by Irene Lin

Construction:

Rota Jumper is worked by knitting the back from top to the base of the armholes. Both fronts are picked up and knitted separately, some short rows are worked for shoulder shaping, then working from top to the edge of the front neck. After joining both pieces, front is worked to the armhole. Then front and back are joined and knitted in the round to the hem. Pick up stitches and knitting in the round for sleeves and neck ribbing.
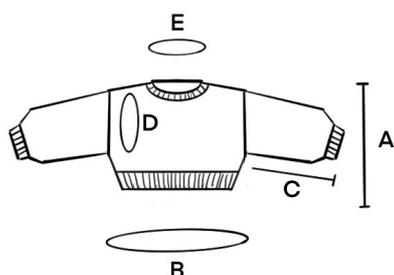
Gauge / With 5 mm needle :

16 sts and 22 rows = 10 x 10 cm / 4 x 4" in stockinette stitch after blocking.

20 sts and   22rows = 10 x 10 cm / 4 x 4" in 2x2 Rib Stitch after blocking.

Size:

1 (2, 3)(4, 5, 6) Sample shown in Size 2 with 28cm/11" positive ease.

Finished measurements:

Size	A Length	B Bust circumference	C Sleeve length from underarm	D Armhole circumference	E Neck circumference
1	39cm/15.38"	106cm/41.75"	30cm/11.75"	46cm/18.13"	54cm/21.25"
2	39cm/15.38"	112cm/44.13"	30cm/11.75"	46cm/18.13"	54cm/21.25"
3	40cm/15.75"	122cm/48"	30cm/11.75"	48cm/18.88"	55cm/21.75"
4	40cm/15.75"	129cm/50.75"	30cm/11.75"	48cm/18.88"	55cm/21.75"
5	49cm/19.25"	136cm/53.5"	30cm/11.75"	62cm/24.38"	55.5cm/21.88"
6	49cm/19.25"	143cm/56.25"	30cm/11.75"	62cm/24.38"	55.5cm/21.88"

Yarns:

Stitch & Story, Cotton Braid, 94% Mako cotton, 6% Nylon, 125 yards/ 115 m/ 50g;

8 (9, 10)(11, 12, 13) balls, approximately 920 (1035, 1150)(1265, 1380, 1495)m, the estimated yardage is for the cropped and 3/4 length sleeve version, you may need more yardage when extend the length.

Needles:

5mm / 8 US ; 4mm / 6 US (For the ribbing)

Other Materials:

Stitch markers, cable needle.

Abbreviations:

BO	Bind off
BOR	Begin of the round
CO	Cast on
dyo	Double yarn over (Yarn over twice)
k	Knit
k2tog	Knit 2 stitches together
M	Marker
M1R	Make one right. With the left hand needle lift loop between stitches from back, and knit through the front loop.
M1L	Make one left. With the left hand needle lift loop between stitches from front, and knit through the back loop.
p	Purl
p2tog	Purl 2 stitches together
PM	Place marker
RM	Remove marker
rep	Repeat
rnd(s)	Round(s)
RS	Right side
st(s)	Stitch(es)
ssk	Slip 1 knitwise, slip 1 knitwise, return these 2 stitches to left hand needle, then knit them together through the back loop

sl1	Slip 1 stitch as if to purl
SM	Slip marker
TS	Total stitches
WS	Wrong side
yo	Yarn over
[ ]	repeat stitches within brackets

Crossing stitches:

2-st CL   Crossing Left: Slip 1 stitch to cable needle and hold to front, k1 and k1 from cable needle. See this tutorial without cable needle: https://youtu.be/zttoLfEutac

German Short-Rows techniques:

1, (RS):   Knit to the instructed stitch of the pattern, turn work to WS.

2, (WS):   With yarn in front, slip the first stitch purlwise, bring yarn over the needle towards the back and pull tight, creating two loops out of the same stitch, so that double stitch (DS) has been made. Purl to the instructed stitch of the pattern, turn work to RS.

3, (RS):   With yarn in front, slip the first stitch purlwise, bring yarn over the needle towards the back and pull tight, create a double stitch (DS) as before, knit the next stitch as usual.

4, When working over double stitch (DS), treat them as a single stitch, knit. both loops together on a RS row (kDS), or purl both loops together on a WS row (pDS).

See this tutorial video on Youtube : https://www.youtube.com/watch?v=ovMlFwqsfl4

Backwards loop cast-on method:

See this tutorial video on Youtube : https://www.youtube.com/watch?v=5wJ9Nqe0qD0

Instructions

Back

With 5 mm (8 US) needle, long tail cast on 116 (124, 132)(140, 148, 156) sts.
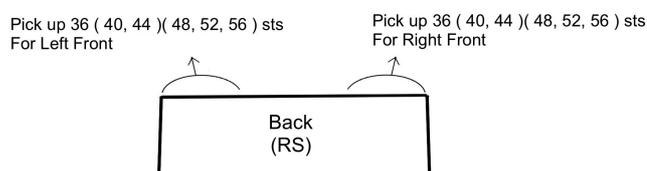
Next Row (WS): p to end.

Row 1 (RS):   k2, yo, ssk, k2tog, [dyo, ssk, k2tog] rep to last 2 sts, yo, k2.

Row 2 (WS):   p2, k1, p2, [k1-p1 into the dyo, p2] rep to last 3 sts, k1, p2.

Row 3 (RS): k2, p1, 2-st CL, [p2, 2-st CL] rep to last 3 sts, p1, k2.

Row 4 (WS): p2, k1, p2, [k2, p2] rep to last 3 sts, k1, p2.

Row 5 (RS): k2, [k2tog, dyo, ssk] rep to last 2 sts, k2.

Row 6 (WS): p3, [k1-p1 into the dyo, p2] rep to last 1 st, p1.

Row 7 (RS): k3, p2, [2-st CL, p2] rep to last 3 sts, k3.

Row 8 (WS): p3, [k2, p2] rep to last 1 st, p1.

Row 9 (RS): Same as Row 1.

Row 10 (WS): Same as Row 2.

Row 11 (RS): Same as Row 3.

Row 12 (WS): Same as Row 4.

Row 13 (RS): Same as Row 5.

Row 14 (WS): Same as Row 6.

Row 15 (RS): Same as Row 7.

Row 16 (WS): Same as Row 8.

Row 17 (RS): k3, [p2, k2] rep to last 1 st, k1.

Row 18 (WS): p3, [k2, p2] rep to last 1 st, p1.

Row 19 (RS): Same as Row 17.

Row 20 (WS): Same as Row 18.

Rep Rows 1~20, 1 (1, 1)(1, 2, 2) more time(s), then rep Rows 1~16 once again.

Break yarn and leave the sts on hold, then join yarn to work for the Left Front.

Pick up 36 (40, 44)(48, 52, 56) sts
For Left Front

Pick up 36 (40, 44)(48, 52, 56) sts
For Right Front

Back
(RS)

Left Front

With right side facing, pick up and knit the last 36 (40, 44)(48, 52, 56) sts from the CO edge of the back.

Next Row (WS): p3, [k2, p2] rep to last 1 st, p1.

Section1 (Short Rows):

Row 1 (RS): **Size1, 3, 5:** k3, p2, turn.

Size2, 4, 6: k3, p2, k2, p2, turn.

Row 2 (WS):   **Size1, 3, 5:** DS, k1, p3.

               Size2, 4, 6: DS, k1, p2, k2, p3.

Row 3 (RS):   **Size1, 3, 5:** k3, p1, pDS, [k2, p2] 2 times, turn.

               Size2, 4, 6: k3, p2, k2, p1, pDS, [k2, p2] 2 times, turn.

Row 4 (WS):   DS, k1, [p2, k2] rep to last 3 sts, p3.

Row 5 (RS):   k3, [p2, k2] rep to 1 st before DS, p1, pDS, [k2, p2] 2 times, turn.

Row 6 (WS):   DS, k1, [p2, k2] rep to last 3 sts, p3.

Row 7 (RS):   k3, [p2, k2] rep to 1 st before DS, p1, pDS, [k2, p2] 2 times, turn.

Row 8 (WS):   DS, k1, [p2, k2] rep to last 3 sts, p3.

Row 9 (RS):   **Size1, 2:** k3, [p2, k2] rep to 1 st before DS, p1, pDS, k2, p2, k3.

               Size3, 4, 5, 6: k3, [p2, k2] rep to 1 st before DS, p1, pDS, [k2, p2] 2 times, turn.

Row 10 (WS):   **Size1, 2:** p3, k2, [p2, k2] rep to last 3 sts, p3. Then proceed to Section 2.

               Size3, 4, 5, 6: DS, k1, [p2, k2] rep to last 3 sts, p3.

Row 11 (RS):   **Size3, 4:** k3, [p2, k2] rep to 1 st before DS, p1, pDS, k2, p2, k3.

               Size5, 6: k3, [p2, k2] rep to 1 st before DS, p1, pDS, [k2, p2] 2 times, turn.

Row 12 (WS):   **Size3, 4:** p3, k2, [p2, k2] rep to last 3 sts, p3. Then proceed to Section 2.

               Size5, 6: DS, k1, [p2, k2] rep to last 3 sts, p3.

Row 13 (RS):   **Size5, 6:** k3, [p2, k2] rep to 1 st before DS, p1, pDS, k2, p2, k3.

Row 14 (WS):   **Size5, 6:** p3, k2, [p2, k2] rep to last 3 sts, p3. Then proceed to Section 2.

Section 2:

Row 1 (RS):   k3, p2, [k2, p2] rep to last 3 sts, k3.

Row 2 (WS):   p3, k2, [p2, k2] rep to last 3 sts, p3.

Rows 3~4:   Same as Rows 1~2.

Rows 5~6:   Same as Rows 1~2.

Row 7 (RS):   k2, M1L, yo, ssk, k2tog, [dyo, ssk, k2tog] rep to last 2 sts, yo, k2.
<u>TS: 37 (41, 45)(49, 53, 57)</u>

Row 8 (WS):   p2, k1, p2, [k1-p1 into the dyo, p2] rep to last 4 sts, k1, p3.

Row 9 (RS):   k2, M1L, p2, 2-st CL, [p2, 2-st CL] rep to last 3 sts, p1, k2.
<u>TS: 38 (42, 46)(50, 54, 58)</u>

Row 10 (WS):   p2, k1, [p2, k2] rep to last 3 sts, p3.

Row 11 (RS):   k2, M1L, yo, ssk, [k2tog, dyo, ssk] rep to last 2 sts, k2.
TS: 39 (43, 47)(51, 55, 59)

Row 12 (WS):   p3, [k1-p1 into the dyo, p2] rep to last 4 sts, k1, p3.

Row 13 (RS):   k2, M1L, p2, [2-st CL, p2] rep to last 3 sts, k3. TS: 40 (44, 48)(52, 56, 60)

Row 14 (WS):   p3, k2, [p2, k2] rep to last 3 sts, p3.

Row 15 (RS):   k2, M1L, yo, ssk, k2tog, [dyo, ssk, k2tog] rep to last 2 sts, yo, k2.
TS: 41 (45, 49)(53, 57, 61)

Row 16 (WS):   p2, k1, p2, [k1-p1 into the dyo, p2] rep to last 4 sts, k1, p3.

After Row 16, break yarn and leave the sts on hold, then join yarn to work for the Right Front.

Right Front

With right side facing, pick up and knit the first 36 (40, 44)(48, 52, 56) sts from the CO edge of the back.

Next Row (WS): p3, [k2, p2] rep to last 1 st, p1.

Section1 (Short Rows):

Row 1 (RS):   k3, p2, [k2, p2] rep to last 3 sts, k3.

Row 2 (WS):   **Size1, 3, 5:** p3, k2, turn.

  Size2, 4, 6: p3, k2, p2, k2, turn.

Row 3 (RS):   **Size1, 3, 5:** DS, p1, k3.

  Size2, 4, 6: DS, p1, k2, p2, k3.

Row 4 (WS):   **Size1, 3, 5:** p3, k1, kDS, [p2, k2] 2 times, turn.

  Size2, 4, 6: p3, k2, p2, k1, kDS, [p2, k2] 2 times, turn.

Row 5 (RS):   DS, p1, [k2, p2] rep to last3 sts, k3.

Row 6 (WS):   p3, [k2, p2] rep to 1 st before DS, k1, kDS, [p2, k2] 2 times, turn.

Row 7 (RS):   DS, p1, [k2, p2] rep to last 3 sts, k3.

Row 8 (WS):   p3, [k2, p2] rep to 1 st before DS, k1, kDS, [p2, k2] 2 times, turn.

Row 9 (RS):   DS, p1, [k2, p2] rep to last 3 sts, k3.

Row 10 (WS):   **Size1, 2:** p3, [k2, p2] rep to 1 st before DS, k1, kDS, p2, k2, p3. Then proceed to Section 2.

Size3, 4, 5, 6: p3, [k2, p2] rep to 1 st before DS, k1, kDS, [p2, k2] 2 times, turn.

Row 11 (RS):   **Size3, 4, 5, 6:** DS, p1, [k2, p2] rep to last 3 sts, k3.

Row 12 (WS):   **Size3, 4:** p3, [k2, p2] rep to 1 st before DS, k1, kDS, p2, k2, p3. Then proceed to Section 2.

Size5, 6: p3, [k2, p2] rep to 1 st before DS, k1, kDS, [p2, k2] 2 times, turn.

Row 13 (RS):   **Size5, 6:** DS, p1, [k2, p2] rep to last 3 sts, k3.

Row 14 (WS):   **Size5, 6:** p3, [k2, p2] rep to 1 st before DS, k1, kDS, p2, k2, p3. Then proceed to Section 2.

Section 2:

Row 1 (RS):   k3, p2, [k2, p2] rep to last 3 sts, k3.

Row 2 (WS):   p3, k2, [p2, k2] rep to last 3 sts, p3.

Rows 3~4:   Same as Rows 1~2.

Rows 5~6:   Same as Rows 1~2.

Row 7 (RS):   k2, yo, ssk, k2tog, [dyo, ssk, k2tog] rep to last 2 sts, yo, M1R, k2.
TS: 37 (41, 45)(49, 53, 57)

Row 8 (WS):   p3, k1, p2, [k1-p1 into the dyo, p2] rep to last 3 sts, k1, p2.

Row 9 (RS):   k2, p1, [2-st CL, p2] rep to last 2 sts, M1R, k2. TS: 38 (42, 46)(50, 54, 58)

Row 10 (WS):   p3, [k2, p2] rep to last 3 sts, k1, p2.

Row 11 (RS):   k2, k2tog, [dyo, ssk, k2tog] rep to last 2 sts, yo, M1R, k2.
TS: 39 (43, 47)(51, 55, 59)

Row 12 (WS):   p3, k1, [p2, k1-p1 into the dyo] rep to last 3 sts, p3.

Row 13 (RS):   k3, p2, [2-st CL, p2] rep to last 2 sts, M1R, k2. TS: 40 (44, 48)(52, 56, 60)

Row 14 (WS):   p3, k2, [p2, k2] rep to last 3 sts, p3.

Row 15 (RS):   k2, yo, ssk, k2tog, [dyo, ssk, k2tog] rep to last 2 sts, yo, M1R, k2.
TS: 41 (45, 49)(53, 57, 61)

Row 16 (WS):   p3, k1, p2, [k1-p1 into the dyo, p2] rep to last 3 sts, k1, p2.

Continue working in pattern and join the fronts:

Join Row(RS):   k2, p1, [2-st CL, p2] rep to last 2 sts, PM, k2, use backwards loop cast on method CO 34 sts, join the Left Front: k2, PM, [p2, 2-st CL] rep to last 3 sts, p1, k2. TS: 116 (124, 132)(140, 148, 156)

Next Row(WS):   p2, k1, [p2, k2] rep to M, RM, p to M, RM, [k2, p2] rep to last 3 sts, k1, p2.

Row 1 (RS):   k2, [k2tog, dyo, ssk] rep to last 2 sts, k2.

Row 2 (WS):   p3, [k1-p1 into the dyo, p2] rep to last 1 st, p1.

Row 3 (RS):   k3, p2, [2-st CL, p2] rep to last 3 sts, k3.

Row 4 (WS):   p3, [k2, p2] rep to last 1 st, p1.

Row 5 (RS):   k3, [p2, k2] rep to last 1 st, k1.

Row 6 (WS):   p3, [k2, p2] rep to last 1 st, p1.

Rows 7~8:   Same as Rows 5~6.

Row 9 (RS):   k2, yo, ssk, k2tog, [dyo, ssk, k2tog] rep to last 2 sts, yo, k2.

Row 10 (WS):   p2, k1, p2, [k1-p1 into the dyo, p2] rep to last 3 sts, k1, p2.

Row 11 (RS):   k2, p1, 2-st CL, [p2, 2-st CL] rep to last 3 sts, p1, k2.

Row 12 (WS):   p2, k1, p2, [k2, p2] rep to last 3 sts, k1, p2.

Row 13 (RS):   k2, [k2tog, dyo, ssk] rep to last 2 sts, k2.

Row 14 (WS):   p3, [k1-p1 into the dyo, p2] rep to last 1 st, p1.

Row 15 (RS):   k3, p2, [2-st CL, p2] rep to last 3 sts, k3.

Row 16 (WS):   p3, [k2, p2] rep to last 1 st, p1.

Row 17 (RS):   Same as Row 9.

Row 18 (WS):   Same as Row 10.

Row 19 (RS):   Same as Row 11.

Row 20 (WS):   Same as Row 12.

Row 21 (RS):   Same as Row 13.

Row 22 (WS):   Same as Row 14.

Row 23 (RS):   Same as Row 15.

Row 24 (WS):   Same as Row 16.

Repeat Rows 5~24, 1(1, 1)(1, 2, 2) more times. Until you have completed Row 44 (44, 44) (44, 64, 64).

Continue working in pattern and join the Back for working in the round.

Joining Rnd: sl1 with yarn in back, PM for BOR, [k2, p2] rep to last 3 sts, k2, PM, k1, use backwards loop cast-on method CO 8 (8, 12)(12, 12, 12)sts for the left-underarm, join the Back: k1, PM, [k2, p2] rep to last 3 sts, k2, PM, k1, use backwards loop cast-on method CO 8 (8, 12)(12, 12, 12)sts for the right-underarm, join for working in the round, k1, SM(BOR).
TS: 248 (264, 288)(304, 320, 336)

Next Rnd: *k2, [p2, k2] rep to M, SM, k to M**, SM, rep from* to **.

9

Body

Rnd 1:   *k2, [p2, k2] rep to M, SM, p2, [k2, p2] rep to M**, SM, rep from* to **.

Rnd 2:   Same as Rnd1.

Rnd 3:   *k1, yo, ssk, k2tog, [dyo, ssk, k2tog] rep to 1 st before M, yo, k1, SM, p2, [k2, p2] rep to M**, SM, rep from* to **.

Rnd 4:   *k1, p1, k2, [k1-p1 into the dyo, k2] rep to 2 sts before M, p1, k1, SM, p2, [k2, p2] rep to M**, SM, rep from* to **.

Rnd 5:   *k1, p1, 2-st CL, [p2, 2-st CL] rep to 2 sts before M, p1, k1, SM, p2, [k2, p2] rep to M**, SM, rep from* to **.

Rnd 6:   *k1, p1, k2, [p2, k2] rep to 2 sts before M, p1, k1, SM, p2, [k2, p2] rep to M**, SM, rep from* to **.

Rnd 7:   *k1, k2tog, dyo, [ssk, k2tog, dyo] rep to 3 sts before M, ssk, k1, SM, p2, [k2, p2] rep to M**, SM, rep from* to **.

Rnd 8:   *k2, k1-p1 into the dyo, [k2, k1-p1 into the dyo] rep to 2 sts before M, k2, SM, p2, [k2, p2] rep to M**, SM, rep from* to **.

Rnd 9:   *k2, p2, [2-st CL, p2] rep to 2 sts before M, k2, SM, p2, [k2, p2] rep to M**, SM, rep from* to **.

Rnd 10: *k2, [p2, k2] rep to M, SM, p2, [k2, p2] rep to M**, SM, rep from* to **.

Rnd 11: Same as Rnd 3.

Rnd 12: Same as Rnd 4.

Rnd 13: Same as Rnd 5.

Rnd 14: Same as Rnd 6.

Rnd 15: Same as Rnd 7.

Rnd 16: Same as Rnd 8.

Rnd 17: Same as Rnd 9.

Rnd 18: Same as Rnd 10.
Note: For the cropped version, proceed to the hem after you finished the Rnd 18.

Rnd 19: Same as Rnd 1.

Rnd 20: Same as Rnd 1.

Rnd 21: Same as Rnd 1.

Rnd 22: Same as Rnd 1.

After Rnd 22, rep Rnds 3~18 once for the normal length version.(Please notice that you will end with Rnd 18 before the hem)

Hem

Remove all markers, switch to 4mm (6 US) needle, decrease as follows :

Next Rnd: sl1 with yarn in back, PM for BOR, [ssk, k2tog, yo] rep to M, SM (BOR).
            TS: 186 (198, 216)(228, 240, 252)

Next Rnd: [k2, p1] rep to end.

Rep last Rnd until ribbing measures 6 cm/ 2.4". BO all sts in pattern.

Sleeves (Both alike)

With 5mm (8 US) needle, right side facing, beginning at the center underarm, pick up and knit 4 (4, 6)(6, 6, 6) sts from the CO edge of the underarm, then pick up and knit 92 (92, 92)(92, 120, 120) sts(3 sts for every 4 rows) around the armhole edge, pick up and knit 4 (4, 6)(6, 6, 6) sts from the leftover CO edge of the underarm, PM for BOR.
TS: 100 (100, 104)(104, 132, 132)

Rnd 1:   p1, k2, [p2, k2] rep to last 1 st, p1.

Rnd 2   Same as Rnd1.

Rnd 3:   Same as Rnd1.

Rnd 4:   Same as Rnd1.

Rnd 5:   [k2tog, dyo, ssk] rep to end.

Rnd 6:   k1, k1-p1 into the dyo, [k2, k1-p1 into the dyo] rep to last 1 st, k1.

Rnd 7:   k1, p2, [2-st CL, p2] rep to last 1 st, k1.

Rnd 8:   k1, p2, [k2, p2] rep to last 1 st, k1.

Rnd 9:   k2, [k2tog, dyo, ssk] rep to last 2 sts, k2.

Rnd 10:   p1, [k2, k1-p1 into the dyo] rep to last 3 sts, k2, p1.

Rnd 11:   p1, 2-st CL, [p2, 2-st CL] rep to last 1 st, p1.

Rnd 12:   p1, k2, [p2, k2] rep to last 1 st, p1.

Rnd 13:   Same as Rnd 5.

Rnd 14:   Same as Rnd 6.

Rnd 15:   Same as Rnd 7.

Rnd 16:   Same as Rnd 8.

Rnd 17:   Same as Rnd 9.

Rnd 18:   Same as Rnd 10.

Rnd 19: Same as Rnd 11.

Rnd 20: Same as Rnd 12.

Rep Rnds 1~20, 2 more times as a 3/4 length sleeve version. (For long sleeves, repeat Rnds 1~20 one additional time.) Then switch to 4mm needle.

Next Rnd: [k2tog, yo, ssk] rep to end. TS: 75 (75, 78)(78, 99, 99)

Next Rnd: k1, [p1, k2tog] rep to last 2 sts, p2tog. TS: 50 (50, 52)(52, 66, 66)
Note: For long sleeves, you may want to decrease more stitches for the cuffs, please do this instead: k2tog all around to last st, k1 for size1, 2, 5, 6; k2tog all around to last 2 sts, k2 for size 3, 4. TS: 38 (38, 40)(40, 50, 50)

Next Rnd: [k1, p1] rep to end.

Rep last Rnd until ribbing measures 2 cm/0.8". BO all sts in pattern. (Tubular bind off was used in the sample; you may bind off using any preferred method.)

Neck Finishing

With 4mm (6 US) needle, right side facing, beginning at the back neck CO edge, pick up and knit 44 sts from the CO edge of the back neck, then pick up and knit 21 (21, 23)(23, 24, 24) sts down the neckline edge (3 sts for every 4 rows evenly), pick up and knit 34 st from the front neckline, pick up and knit 21 (21, 23)(23, 24, 24) sts up the neckline edge (3 sts for every 4 rows evenly), PM for BOR.
TS: 120 (120, 124)(124, 126, 126)

Next Rnd: **Size1, 2, 5, 6**: [k2, p1] rep to end.

                 Size3, 4: k2tog, k1, p1, [k2, p1] rep to end.

Next Rnd: [k2, p1] rep to end.

Rep last Rnd until ribbing measures 2 cm/0.8". BO all sts in pattern.

Finishing

Weave in the ends and wet block to measurements.

The following tutorial videos are available for your reference

Picking up stitches from the CO edge: **https://youtu.be/Crl-LbGbVuc**

Tubular bind off method: **https://youtu.be/0jPMLIE7ac8**