



## 3-to-2 Any Gauge Sweater

Use any yarn knit at a suitable gauge for this on-the-bias sweater. The 3-to-2 bias construction in the body of the sweater makes a fabric with extra drape, and offers exciting design possibilities when using variegated yarns or multiple yarns of similar weight knit in easy stripes.

Neckline features a fold-down lapel. Options include stockinette or reverse stockinette body texture, and sleeve styles in sleeveless, short, or long.

### Sizing

Any size. You use the worksheet-style instructions to plan your top in any yarn to your desired size. Then just knit and measure as you go.

- Yarn** Select your yarn and appropriate sized knitting needles to make a knit fabric that looks good and feels good to you. A pre-determined gauge is not needed for purposes of knitting this pattern. You can use the start of your sweater as your sample swatch. If you don't like what you are getting, just adjust to something you do. Guidelines for suggested needles and knitting yarn types are shown in the Worksheet section of this pattern.
- Needles** For main needles to work front and back body in flat knitting:  
straight or circular needle in size appropriate for your yarn (see worksheet guidelines)
- For neckline garter stitch edging and ribbed border for bottom of sweater:  
24" - 32" length circular 2 or 3 sizes smaller than main needle
- For your choice of sleeve style in circular knitting, you will also need one or more additional needles as follows:
- sleeveless version: 16" circular needle or set of double point needles 2 or 3 sizes smaller than main needle
  - short sleeve version:
    - 16" circular needle or set of double point needles in same size as main needle
    - 16" circular needle or set of double point needles 2 or 3 sizes smaller than main needle
  - long-sleeve version:
    - 16" circular needle in same size as main needle (optional, can use double points below)
    - set of double point needles in same size as main needle
    - set of double point needles 2 or 3 sizes smaller than main needle
- Other** Choice of lapel embellishment, for example a decorative button or pin
- Skill level** Advanced beginner to intermediate

## Worksheet

### Step 1 - Pick your yarn

Decide what yarn you want to use, then complete the "My Project" column in the chart below based on the information for that yarn type's column.

					My Project
Knitting Yarn Type	fingering weight	sport weight	worsted weight	bulky weight	
Wraps Per Inch *	16 - 18	13 - 15	11 - 12	8 - 10	
Average yardage (wool) **	125 yds/ oz (220 m/ 50g)	100 yds/ oz (175 m/ 50g)	65 yds/ oz (110 m/ 50g)	50 yds/ oz (85 m/ 50g)	
Suggested knitting needles	2 - 3 US (3.0 - 3.25 mm)	4 - 6 US (3.5 - 4.0 mm)	7 - 8 US (4.5 - 5.0 mm)	10 - 11 US (6.0 - 8.0 mm)	
<b>Factor (F) to use for yardage calculation (fill in "My Project" column for the sleeve style of your choice)</b>					
sleeveless:	2.5	2	1.7	1.25	
short:	3	2.5	2	1.5	
long:	3.5	3	2.4	1.75	

\* To determine your Wraps Per Inch, wind your yarn around a ruler so that the strands are in one layer just barely touching. Do not stretch yarn. Wind for 1 inch in finer yarns; 2 inches for heavier or slubby yarns. Measure number of strands in 1 inch (or 2 inches and divide by 2).

\*\* The weight given here is for reference purposes only. Denser fibers like cotton and alpaca will require additional weight. It's best to base the total yarn amount needed on the yardage calculation in Step 3.

### Step 2 - Take measurements

Determine the target finished measurements of your sweater, and write in the numbers here.

- W** - Width of front or back: \_\_\_\_\_ inches
- L** - overall Length: \_\_\_\_\_ inches
- B** - Bottom band depth: \_\_\_\_\_ inches
- A** - Armhole depth: \_\_\_\_\_ inches
- SL** - Drop shoulder Sleeve Length: \_\_\_\_\_ inches (for short and long sleeve styles)

Tip: In choosing size, measure a favorite sweater in a similar weight and sleeve style. This way, you will automatically arrive at your finished measurements, which are usually anywhere from a couple to several inches larger than actual body measurement to allow for ease and bulk of the yarn.

### Step 3 - Calculate yardage and other numbers

Based on the "Factor to Use for Yardage Calculation" for your planned sweater in Step 1, calculate the estimated yardage **Y** as width times length times factor:

$$(W) \text{ \_\_\_\_\_\_ } \times (L) \text{ \_\_\_\_\_\_ } \times (F) \text{ \_\_\_\_\_\_ } = (Y) \text{ \_\_\_\_\_\_ } \text{ yards}$$

The number **Y** gives you an estimate of total yardage needed in your yarn type for your target finished size and sleeve style. Actual amount of yarn needed may vary slightly more or less than **Y**. As a safety factor, it's better to err on the side of having too much rather than too little.

For body length **L2**, subtract bottom band depth from overall length:

$$(L) \text{ \_\_\_\_\_\_ } - (B) \text{ \_\_\_\_\_\_ } = (L2) \text{ \_\_\_\_\_\_ }$$

For shoulder width **.3W**, multiply .3 times width:

$$.3 \times (W) \text{ \_\_\_\_\_\_ } = (.3W) \text{ \_\_\_\_\_\_ }$$

This pattern's instructions assume that the sweater is not going to be overly long compared to the width (i.e. not a long tunic). This formula checks that your measurements will work. Multiply 1.5 times width, divided by **L2**:

$$1.5 \times (W) \text{ \_\_\_\_\_\_ } \div (L2) \text{ \_\_\_\_\_\_ } = (C) \text{ \_\_\_\_\_\_ }$$

Is **C** greater than 1? If so, you are ok to proceed. If not, reduce **L** or increase **B** in step 2, then recalculate step 3.

### Example - Long-sleeved top in bulky yarn

					My Project
Knitting Yarn Type	fingering weight	sport weight	worsted weight	bulky weight	bulky weight
Wraps Per Inch *	16 - 18	13 - 15	11 - 12	8 - 10	9
Average yardage (wool) **	125 yds/ oz (220 m/ 50g)	100 yds/ oz (175 m/ 50g)	65 yds/ oz (110 m/ 50g)	50 yds/ oz (85 m/ 50g)	50 (silk / wool/ nylon)
Suggested knitting needles	2 - 3 US (3.0 - 3.25 mm)	4 - 6 US (3.5 - 4.0 mm)	7 - 8 US (4.5 - 5.0 mm)	10 - 11 US (6.0 - 8.0 mm)	10½
<b>Factor (F) to use for yardage calculation (fill in "My Top" column for the sleeve style of your choice)</b>					
sleeveless:	2.5	2	1.7	1.25	long
short:	3	2.5	2	1.5	1.75
long:	3.5	3	2.4	1.75	

**W** - Width of front or back: 21 inches

**L** - overall Length: 24 inches

**B** - Bottom band depth: 2 inches

**A** - Armhole depth: 9.5 inches

**SL** - Sleeve Length: 20 inches

$$(W) \text{ \_\_\_\_\_\_ } \times (L) \text{ \_\_\_\_\_\_ } \times (F) \text{ \_\_\_\_\_\_ } = (Y) \text{ \_\_\_\_\_\_ } \text{ yards}$$

$$(L) \text{ \_\_\_\_\_\_ } - (B) \text{ \_\_\_\_\_\_ } = (L2) \text{ \_\_\_\_\_\_ }$$

$$.3 \times (W) \text{ \_\_\_\_\_\_ } = (.3W) \text{ \_\_\_\_\_\_ }$$

$$1.5 \times (W) \text{ \_\_\_\_\_\_ } \div (L2) \text{ \_\_\_\_\_\_ } = (C) \text{ \_\_\_\_\_\_ }$$

Is **C** greater than 1? **yes**