Norm Thompson

“How To Measure”

MANUAL

MAY 2009
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INTRODUCTION

This guide is to ensure that all Norm Thompson Vendors, Product Quality Management, Field Auditors, and Distribution Center Staff are all using the same measurement criteria when measuring garments. There will be exceptions to these guidelines which will be noted on style specific size specification sheets.

Outlined below are measuring guidelines:

1. All measurements should be taken with either a plastic or metal tape measure. Plastic tape measures will stretch over time; these should be checked periodically against a metal ruler to ensure accuracy.

2. Numbering system - each measurement in this manual has a 3-digit number. The first number indicates the body zone ranging from numbers 1-9. i.e. head area 100s, neck area 200s, arm area 300s, chest/bust 400s, waist/torso area 500’s, hip 600s, leg area 700s, bottom area 800s, ankle/misc. 900s.

3. All measurements are to be taken with garments laid on a flat surface, in a relaxed position, with all wrinkles gently smoothed out. All measurements should be taken with buttons and/or zippers fully closed unless otherwise stated.

4. All knitwear items should be “patted” to remove creases and folds, but not stretched, unless specified.

5. All extended measurements should be taken against a stationary measuring tool, such as a tape measure adhered to a flat surface. Items should be measured in the following manner:

   Insert elastic: extend garment until fabric is smooth without breaking stitches.

   Stretch material: garment should be fully extended, but not distorted.
   Stitches should not be broken.

Definitions:
CB = Center Back
CF = Center Front
HPS = High Point Shoulder
NUMBERING SYSTEM - Numbers are based on a 1-9 system. Each number identifies a “zone” of the body, beginning with 1 at the top and descending to 9 at the bottom.

### Critical Measurements

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### Standard Measurements

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"How To Measure\"
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501  Waist Extended
502  Waist for Tops
503  Waist-Button Jackets
508  Front Rise -Women
509  Back Rise -Women
510  Front Rise - Men/Unisex
511  Back Rise - Men/Unisex
512  Front Rise w/Gusset
513  Back Rise w/Gusset
514  Regular Belt
515  Belt without Eyelets
516  Tie Belt
517  Skirt (CB) Length

600  Hip - 3 pt. measurement
601  Hip - Straight measurement
602  Hip - Active wear pants
603  Hip - from HPS
604  Bottom Opening

700  Inseam
701  Inseam w/Gusset
702  Outseam
703  Thigh Width
704  Thigh Width w/Gusset

800  Sweep
802  Knee

900  Leg Opening
901  Slit/Vent Length
KNIT TOPS/SWEATERS WITH COLLAR OR BAND - Men’s/Women’s

400 Chest/Bust Measure 1" below armholes, straight across garment from side to side. Based on style, side to side measure is either to side seam or to natural fold.

502 Waist Measure from side to side at the narrowest point.

604 Bottom Opening With garment closed, measure straight across from side to side on the inside. Garments with tail/slit: measure straight across at top of tail/slit.

Rib bottom - Straighten natural contour of bottom edge and measure along a stationary ruler or tape measure.

200 Center Back (CB) Length Measure from the center of the back neck, straight down to the bottom of the garment.

201 High Point Shoulder (HPS) Back Length Measure from the back high point of shoulder seam (or from the natural shoulder fold) straight down to the bottom of garment, keeping the tape measure parallel to center back.

301 Shoulder Width With back of garment facing you, measure straight across from shoulder point to shoulder point at seam line (or natural fold) of shoulder.

300 Sleeve Length (CB) (3 pt. measurement) Measure from center back neck, across shoulder to point where the shoulder meets the top armhole seam, down outside edge/fold to the bottom of the sleeve; include cuff.
Armhole Circumference
303 **Sleeve** Measure from top of armhole at shoulder seam (or natural fold) following seam curve to bottom of armhole at side seam.

304 **Sleeveless** Align front and back armhole edges together. Measure from top of armhole at shoulder seam (or natural fold) following curve to bottom of armhole.

305 **Sleeve Width** Measure 1" below bottom of armhole. With tape measure at a right angle to center fold of sleeve, measure from the underarm straight across to center fold.

302 **Raglan Armhole Depth** Measure diagonally in a straight line from center back neck to top of side seam at underarm.

306 **Sleeve/Cuff Opening** Measure straight across the bottom of the sleeve (or cuff) on the inside. Button styles should be closed.

202 **Neck Width** For hemmed or bound neck: measure from inside edge to inside edge. For collar or banded neck: measure from seam to seam.

203 **Neck Drop** Lay garment flat with front facing you. For collar or banded neck: measure vertically from the seam at the center back to the seam at the center front. For hemmed or bound neck: measure straight down from CB neck edge to CF neck edge.

206 **Neck Circumference** Close neckline and lay flat from center front to center back. Measure along neck seam/edge, following curve.

207 **Neck Opening Minimum Stretch** Neckline should be fully extended, but not distorted. Stitches should not be broken.

205 **Placket Length** Measure from top to bottom of placket opening.

901 **Slit/Vent Length** Measure at top of slit opening to bottom of hem.
WOVEN TOPS: SPORTSHIRTS/BLOUSES - Men’s/Women’s

400 **Chest/Bust** Measure 1" below armholes, straight across garment from side to side. Based on style, side to side measure is either to side seam or to natural fold. For styles with back pleats: measure with pleat open.

502 **Waist** Measure from side to side at the narrowest point.

604 **Bottom Opening** With garment closed, measure straight across from side to side. Garments with tail/slit: measure straight across at top of tail/slit.

200 **Center Back (CB) Length** Measure from the center of the back neck, straight down to the bottom of the garment.

201 **High Point Shoulder (HPS) Back Length** Measure from the back high point of shoulder seam (or from the natural shoulder fold) straight down to the bottom of garment, keeping the tape measure parallel to center back.

301 **Shoulder Width** With back of garment facing you, measure straight across from shoulder point to shoulder point at seam line (or natural fold) of shoulder.

300 **Sleeve Length (CB)** (3 pt. measurement) Measure from center back neck, across shoulder to point where the shoulder meets the top of armhole seam, down outside edge/fold to the bottom of the sleeve; include cuff.
Armhole Circumference

303 **Sleeve** Measure from top of armhole at shoulder seam (or natural fold) following seam curve to bottom of armhole at side seam.

304 **Sleeveless** Align front and back armhole edges together. Measure from top of armhole at shoulder seam (or natural fold) following curve to bottom of armhole.

305 **Sleeve Width** Measure 1" below bottom of armhole. With tape measure at a right angle to center fold of sleeve, measure from the underarm straight across to center fold.

306 **Sleeve/Cuff Opening** Measure straight across the bottom of the sleeve (or cuff) on the inside. Button styles should be closed.

202 **Neck Width** For hemmed or bound neck: measure from inside edge to inside edge. For collar or banded neck: measure from seam to seam.

203 **Neck Drop** Lay garment flat with front facing you. For collar or banded neck: measure vertically from the seam at the center back to the seam at the center front. For hemmed or bound neck: measure straight down from CB neck edge to CF neck edge.

206 **Neck Circumference** Close neckline and lay flat from center front to center back. Measure along neck seam/edge, following curve.

901 **Slit/Vent Length** Measure at top of slit opening to bottom of hem.
**TANKS/VESTS - Men’s/Women’s**

400 **Chest/Bust** Measure 1” below armholes, straight across garment from side to side. Based on style, side to side measure is either to side seam or to natural fold. For styles with back pleats, measure with pleat open.

502 **Waist** Measure from side to side at the narrowest point.

604 **Bottom Opening** With garment closed, measure straight across from side to side on the inside. Garments with tail/slit, measure straight across at top of tail/slit.

200 **Center Back (CB) Length** Measure from the center of the back neck seam, down the center back, to the bottom of the garment.

201 **High Point Shoulder (HPS) Back Length** Measure from the back high point of shoulder seam or from the natural shoulder fold straight down to the bottom of garment, keeping the tape measure parallel to center back.

301 **Shoulder Width** With back of garment facing you, measure straight across from shoulder point to shoulder point at seam line (or natural fold) of shoulder.

304 **Sleeveless** Align front and back armhole edges together. Measure from top of armhole at shoulder seam (or natural fold) following seam curve to bottom of armhole at side seam.

901 **Slit/Vent Length** Measure at top of slit opening to bottom of hem.
202  **Neck Width** Measure from inside edge to inside edge for hemmed or bound neck. For collar or banded neck measure from seam to seam.

203  **Neck Drop** Lay garment flat with front facing you. For collar or banded neck: measure vertically from the seam at the center back to the seam at the center front. For hemmed or bound neck: measure straight down from CB neck edge to CF neck edge.
DRESS/JUMPER - Women's

400 Chest/Bust Measure 1" below armholes, straight across garment from side to side. Based on style, side to side measure is either to side seam or to natural fold. For styles with back pleats, measure with pleat open.

402 Front Bodice Length High point shoulder (HPS) - Measure from the front high point of shoulder seam or at the natural shoulder fold straight down to the bodice seamline, keeping the tape measure parallel to the center front.

502 Waist Measure from side to side along the waist seam or from bottom row of stitching. For garments without a waist seam, measure at narrowest point or measure 16" down from high point shoulder (HPS). Measure straight across from side to side.

Hip

600 Dress/Jumper with defined waist seam Measure down 6" from waistline seam at center front and at each side seam/natural fold (3 pt. measurement). Measure from side to side keeping the tape measure parallel to the contour of the front waistline. If dress has a casing, measure down from the last row of stitching at waistline.

603 Dress/Jumper with no defined waist seam Measure down from front high point shoulder (HPS) 24". Measure straight across from side to side.

800 Sweep With garment closed, measure the opening on the inside, following the hem contour.
200 **Center Back (CB) Length**  
*Dress* Measure from the center of the back neck seam, straight down to the bottom of the garment.

201 **High Point Shoulder (HPS) Back Length**  
*Jumper/scoop neck* High Point Shoulder (HPS)-Measure from the back high point of shoulder seam (or from the natural shoulder fold) straight down to the bottom of the garment, keeping the tape measure parallel to center back.

403 **Back Bodice Length** High Point Shoulder (HPS) - Measure from the back high point of shoulder seam or from the natural shoulder fold to the bodice seamline, keeping the tape measure parallel to center back.

404 **Back Waist Length**  
*Dress with defined waist* Measure straight down from center back neck to waist seam or bottom row of stitching.

*Jumper with defined waist* High Point Shoulder (HPS)-Measure from the back high point of shoulder seam (or from the natural shoulder fold) straight down to the waist seam, keeping the tape measure parallel to center back.

301 **Shoulder Width** With back of garment facing you, measure straight across from shoulder point to shoulder point at seamline (or natural fold) of shoulder.

300 **Sleeve Length (CB)** (3 pt. measurement)  
Measure from center back neck, across shoulder to point where the shoulder meets the top armhole seam, down outside edge/fold to the bottom of the sleeve; include cuff. Garments with rolled cuff: measure uncuffed.

**Armhole Circumference**

303 **Sleeve** Measure from top of armhole at shoulder seam (or natural fold) following seam curve to bottom of armhole at side seam.

304 **Sleeveless** Align front and back armhole edges together. Measure from top of armhole at shoulder seam (or natural fold) following curve to bottom of armhole.
305 **Sleeve Width** Measure 1" below bottom of armhole. With tape measure at a right angle to center fold of sleeve, measure from the underarm straight across to center fold.

306 **Sleeve/Cuff Opening** Measure straight across the bottom of the sleeve or cuff on the inside. Button styles should be closed.

202 **Neck Width** Measure from inside edge to inside edge of hemmed or bound neck. For collar or banded neck measure from seam to seam.

203 **Neck Drop** Lay garment flat with front facing you. For collar or banded neck, measure vertically from the seam at the center back to the seam at the center front. For hemmed or bound - measure straight down from CB neck edge to CF neck edge.

206 **Neck Circumference** Close neckline and lay flat from center front to center back. Measure along neck seam or edge, following curve.

901 **Slit/Vent Length** Measure along top of slit opening to bottom of hem.

**Belt Length**

514 **Regular** Measure from tip of buckle prong to center eyelet.

515 **Without eyelets** Measure from center bar to opposite end.

516 **Tie** Measure from end to end.
WOMEN’S SKIRTS- Fixed waist/Elastic Waist

**Waist**

500 *Relaxed* Measure from side to side along the inside of the waistband at the top edge.

501 *Extended* For extended measurements, measure as above with elastic or knit fully extended.

**Hip/Seat** Measure down 6" from bottom of waistband at center front and at each side seam/natural fold (3 pt. measurement). Measure from side to side keeping the tape measure parallel to the contour of the front waistline. If skirt has a casing, measure down from the last row of stitching at waistline. If no waistband, measure down from top edge of skirt.

**Center Back (CB) Length** Measure from the center back at the waistband seam, straight down to the bottom of the garment. If skirt has a casing, measure down from the last row of stitching at waistline. If no waistband, measure down from top edge of skirt.

**Sweep** With garment or vent closed, measure the opening on the inside, following the hem contour.

**Slit/Vent Length** Measure along top of slit/vent opening to bottom of hem.
WOMEN’S PANTS/SHORTS - Fixed Waist/Elastic Waist

**Waist***

500 *Relaxed* Measure from side to side along the inside of the waistband at the top edge.

501 *Extended* For extended measurements, measure as above with elastic or knit fully extended.

* For Always Fit” and Secret Fit™ measure, refer to page 16.

600 **Hip/Seat** Measure down 6" from bottom of waistband at center front and at each side seam/natural fold (3 pt. measurement). Measure from side to side keeping the tape measure parallel to the contour of the front waistline. If garment has a casing, measure down from the last row of stitching at waistline. If no waistband, measure down from top edge of garment.

703 **Thigh Width** Lay one leg flat with inseam centered. Measure 1" below the crotch seam intersection. Measure across the leg perpendicular to inseam from fold to fold.

508 **Front Rise** Measure the front rise from the bottom of waistband seam to crotch seam intersection following the rise curve. If pant has a casing, measure down from the last row of stitching at waistline. If no waistband, measure down from top edge of garment.

509 **Back Rise** Measure the back rise from the bottom of waistband seam to crotch seam intersection following the rise curve. If pant has a casing, measure down from the last row of stitching at waistline. If no waistband, measure down from top edge of garment.
700 **Inseam** Lay one leg flat with inseam centered. Measure from the crotch seam intersection down to the bottom of garment, along inseam.

702 **Outseam** Measure from the bottom of waistband seam to the bottom of the leg, following the contour of the side seam. If pant has a casing, measure down from the last row of stitching at waistline. If no waistband, measure down from top edge of garment.

900 **Leg Opening** Measure on the inside, straight across from side to side.
A. Slider Tab Finished Measurements:
   4¾" length x ¾" height.

B. Back Slider Tab should be set ¾" from side seam on back waistband with ¼" tolerance.

C. At relaxed waistband measurement, front waistband edge should be set 1" from side seam.
**MEN’S PANTS/SHORTS—Fixed Waist/Elastic Waist**

**Waist**

500 *Relaxed* Measure from side to side along the inside of the waistband at the top edge.

501 *Extended* For extended measurements, measure as above with elastic or knit fully extended.

“For Always Fit™ and Secret Fit™ measure, refer to page 16.

601 **Hip/Seat** Lay the garment flat. The center front waistband will lay approximately 1” below the center back waistband. From the fly bartack, measure straight across the garment from side to side.

703 **Thigh Width** Lay the garment flat and fold the pant leg along the inseam. Measure 1” below the crotch seam intersection, from inseam to outside fold, perpendicular to the front crease.

510 **Front Rise** Measure straight down from top of waistband to intersection of crotch seam. Measure flat without stretching seam.

511 **Back Rise** Measure straight down from top of waistband to intersection of crotch seam. Measure flat without stretching seam.

700 **Inseam** Lay the garment flat and fold the pant leg along the inseam. Measure from the crotch seam intersection down to the bottom of the garment, following the seam contour.

702 **Outseam** Measure from the top of waistband, or if pant has no waistband, measure from top of the garment to the bottom of the leg, following the contour of the side seam.

802 **Knee** Measure at the center point (half-way point) of the inseam. Measure straight across the leg from fold to fold or crease to crease.

900 **Leg Opening** Measure on the inside, straight across from side to side.
CASUAL/ACTIVEWEAR PANT: GUSSET/NO GUSSET - Unisex

Waist
500 *Relaxed* Measure from side to side along the inside of the waistband at the top edge.

501 *Extended* For extended measurements, measure as above with elastic or knit fully extended. (Not shown)

602 *Hip/Seat* Measure down 8" from top of waistband/casing at center front. Measure straight across the garment from side to side.

Thigh Width
703 *No Gusset* Lay the garment flat and fold the pant leg along the inseam. Measure 1" below the crotch seam intersection, from inseam to outside fold, perpendicular to the front crease.

704 *Gusset* Lay the garment flat and fold the pant leg along the inseam. Measure 1" below the gusset’s center point, from inseam to outside fold, perpendicular to the front crease.

Front Rise
510 *No Gusset* With front rise straightened, measure from top of waistband/casing to intersection of crotch seam. Measure flat without stretching seam.

512 *Gusset* With front rise straightened, measure from top of waistband/casing to center point of gusset, without stretching seam.
Back Rise
511 No Gusset With back rise straightened, measure from top of waistband/casing to intersection of crotch seam. Measure flat without stretching or distorting seam.

513 Gusset With back rise straightened, measure from top of waistband/casing to center point of gusset. Measure flat without stretching or distorting seam.

Inseam
700 No Gusset Lay the garment flat and fold the pant leg along the inseam. Measure from the crotch seam intersection down to the bottom of the garment, following the seam contour.

701 Gusset Lay the garment flat and fold the pant leg along the inseam. Measure from the gusset center point, down to the bottom of the garment, following the seam contour.

702 Outseam Measure from the top of waistband, or if pant has no waistband, measure from top of the garment to the bottom of the leg, following the contour of the side seam.

900 Leg Opening Measure on the inside, straight across from side to side.
SPORTCOATS/BLAZERS/JACKETS - Men’s/Women’s

400 **Chest/Bust** Measure 1” below armholes, straight across garment from side to side. Based on style, side to side measure is either to side seam or to natural fold. Lapels must remain in their natural folded position, as pictured.

503 **Waist: Men’s/Women’s**

1 **Button** Measure at the center of the button, straight across waist to natural fold or side seam.

2 **Button** Measure at the top button, straight across waist to natural fold or side seam.

3 **Button** Measure at the center button, straight across waist to natural fold or side seam.

4 **Button** Measure down from front High Point Shoulder (HPS).
   - **Women’s**—16”
   - **Men’s**—18”

   Measure straight across from side to side.

604 **Bottom Opening** With garment closed, measure straight across from side to side on the inside. Garments with side slits: measure straight across at top of slit. Garments with vent: measure straight across the bottom with vent closed.
200 Center Back (CB) Length Measure from the center of the back neck, straight down to the bottom of the garment.

301 Shoulder Width With back of garment facing you, measure straight across from shoulder point to shoulder point at seam line (or natural fold) of shoulder.

300 Sleeve Length (CB) (3 pt. measurement) Measure from center back neck, across shoulder to point where the shoulder meets the top armhole seam, down outside edge/fold to the bottom of the sleeve; include cuff. Garments with rolled cuff measure uncuffed.

Armhole Circumference

303 Sleeve Measure from top of armhole at shoulder seam, following seam curve to bottom of armhole at side seam.

305 Sleeve Width Measure 1" below bottom of armhole. With tape measure at a right angle to center fold of sleeve, measure from the underarm straight across to center fold.

306 Sleeve/Cuff Opening Measure straight across the bottom of the sleeve or cuff on the inside. Button styles should be closed.

202 Neck Width Measure from seam to seam, or from felt edge to felt edge.

203 Neck Drop Lay garment flat with front facing you. For collar or banded neck: measure vertically from the seam at the center back neck to lapel crossover point.

901 Slit/Vent Length Measure at top of slit/vent opening to bottom of hem.
OUTERWEAR JACKETS/COATS/VESTS - Men’s/Women’s

400 Chest/Bust Measure 1" below armholes, straight across garment from side to side. Based on style, side to side measure is either to side seam or to natural fold. For styles with back pleats, measure with pleat open.

604 Bottom Opening Jacket/Vest. With garment closed, measure straight across from side to side on the inside. Garments with tail/slit, measure straight across at top of tail/slit.

Rib knit bottom band - Straighten bottom edge of contour and measure along a stationary ruler or tape measure.

800 Sweep Coat With garment closed, measure the opening on the inside, following the hem contour.

200 Center Back (CB) Length Measure from the center of the back neck, straight down to the bottom of the garment.

301 Shoulder Width With back of garment facing you, measure straight across from shoulder point to shoulder point at seam line (or natural fold) of shoulder.

300 Sleeve Length (CB) (3 pt. measurement) Measure from center back neck, across shoulder to point where the shoulder meets the top armhole seam, down outside edge/fold to the bottom of the sleeve; include cuff. Garments with rolled cuff: measure uncuffed.

Raglan Sleeve - Measure from center back neck down outside edge/fold to the bottom of the sleeve; include cuff. Garments with rolled cuff: measure uncuffed.
Armhole Circumference
303 Sleeve Measure from top of armhole at shoulder seam (or natural fold) following seam curve to bottom of armhole at side seam.

304 Sleeveless Align front and back armhole edges together. Measure from top of armhole at shoulder seam (or natural fold) following curve to bottom of armhole.

305 Sleeve Width Measure 1" below bottom of armhole. With tape measure at a right angle to center fold of sleeve, measure from the underarm straight across to center fold.

302 Raglan Armhole Depth Measure diagonally in a straight line from center back neck to top of side seam at underarm.

306 Sleeve/Cuff Opening Measure straight across the bottom of the sleeve (or cuff) on the inside. Button styles should be closed.

*Rib knit cuff* - Straighten bottom edge of contour and measure along a stationary ruler or tape measure.

206 Neck Circumference Close neckline and lay flat from center front to center back. Measure along neck seam or edge, following curve.

100 Hood Height Measure from High Point Shoulder (HPS) straight up to top of hood.

101 Hood Opening Align neck seam and front edges of hood. Measure hood opening from center front neck seam to top of hood.

204 Zipper Length Measure from top zipper tab along zipper to bottom stop.

Belt Length
514 Regular Measure from tip of buckle prong to center eyelet.

515 Without eyelets Measure from center bar to opposite end.

516 Tie Measure from end to end.
ROBES/SLEEPWEAR - Men’s/Women’s

400 Chest/ Bust Measure 1” below armholes, straight across garment from side to side. Based on style, side to side measure is either to side seam or to natural fold. For styles with back pleats, measure with pleat open.

Wrap styles Align side seams/natural fold at armholes so that sides are in a straight line from armhole to hem. Overlap front a consistent width from chest to hem, keeping sides straight. Measure 1” below armholes, straight across garment from side to side.

601 Hip/Seat Measure down from high point shoulder (HPS).
   Women’s Hip—24”
   Men’s Hip—26”
Measure straight across the garment from side to side.

Wrap styles Align side seams/natural fold at armholes so that sides are in a straight line from armhole to hem. Overlap front a consistent width from chest to hem, keeping sides straight. Measure down from high point shoulder (HPS).
   Women’s Hip—24”
   Men’s Hip—26”
Measure straight across the garment from side to side.

800 Sweep Measure closed at bottom of garment, following contour of hem.

Wrap styles - Align side seams/natural fold at armholes so that sides are in a straight line from armhole to hem. Overlap front a consistent width from chest to hem, keeping sides straight. With overlap in place, measure closed at bottom of garment, following contour of hem.
200 **Center Back Length** Measure from the center of the back neck seam, down the center of the back, to the bottom of the garment.

201 **High Point Shoulder (HPS) Back Length** Measure from back high point of shoulder seam (or from the natural shoulder fold) straight down to the bottom of the garment keeping the tape measure parallel to center back.

301 **Shoulder Width** With back of garment facing you, measure straight across from shoulder point to shoulder point at seam line (or natural fold) of shoulder.

300 **Sleeve Length (CB) (3 pt. measurement)** Measure from center back neck, across shoulder to point where the shoulder meets the top armhole seam, down outside edge/fold to the bottom of the sleeve; include cuff. Garments with rolled cuff: measure uncuffed.

**Armhole Circumference**

303 **Sleeve** Measure from top of armhole at shoulder seam (or natural fold) following seam curve to bottom of armhole at side seam.

304 **Sleeveless** Align front and back armhole edges together. Measure from top of armhole at shoulder seam (or natural fold) following curve to bottom of armhole.

305 **Sleeve Width** Measure 1" below bottom of armhole. With tape measure at a right angle to center fold of sleeve, measure from the underarm straight across to center fold.

302 **Raglan Armhole Depth** Measure straight diagonal from center back neck to top of side seam at underarm.
306 **Sleeve/Cuff Opening** Measure straight across the bottom of the sleeve or cuff on the inside. Button styles should be closed.

**Belt Length**

516 **Tie** Measure from end to end.

202 **Neck Width** For hemmed or bound neck: measure from inside edge. For collar or banded neck: measure from seam to seam.

203 **Neck Drop** Lay garment flat with front facing you. For collar or banded neck: measure vertically from the seam at the center back to the seam at the center front. For hemmed or bound: measure straight down from CB neck edge to CF neck edge.
HATS - Men’s/Women’s

102 Crown Height Lay flat and measure from brim/visor seamline (or edge) to top of crown.

103 Brim Width Measure across widest and/or narrowest part of brim (as specified on spec sheet) from seamline to edge.

104 Circumference Measure total circumference along inside seam or edge, following contour.