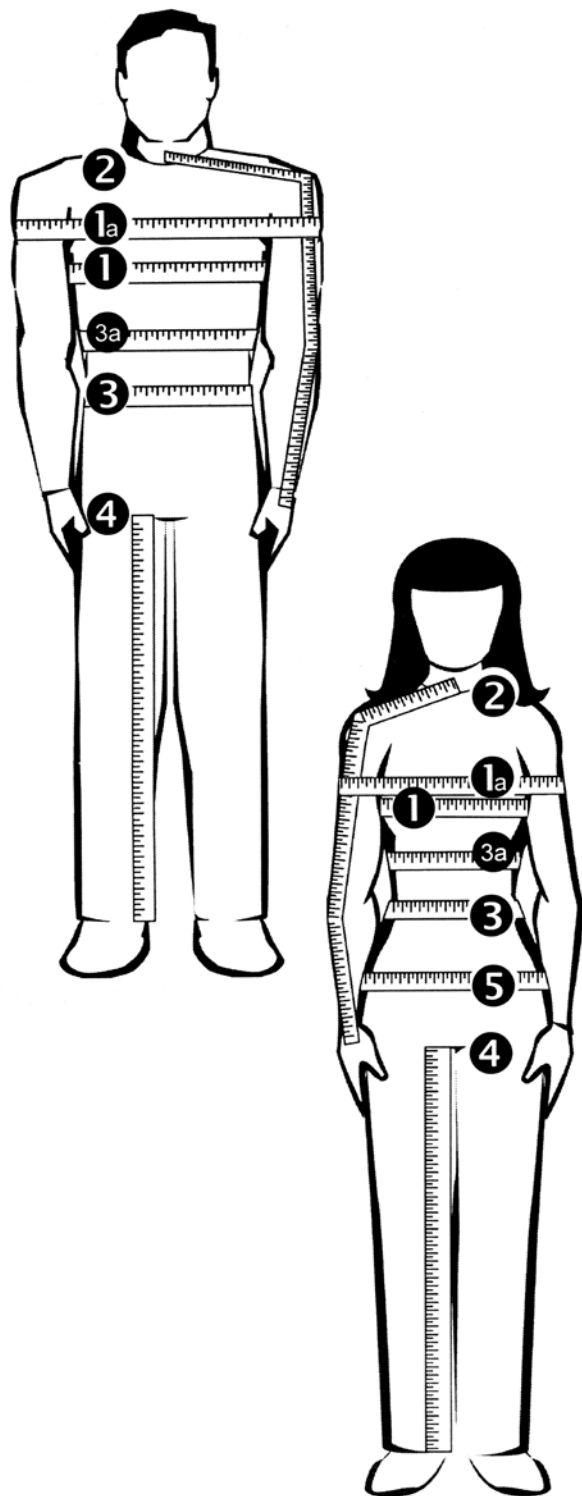


MEASURING GUIDE FOR TURNOUT GEAR



Men require four measurements to be properly fitted for LION turnout gear. Women require five.

Chest size (available only in even sizes) — 1

- Have the wearer take a deep breath and fill the lungs before measuring.
- Measure over clothing around the fullest part of the chest with the arms at rest.
- Make sure tape measure is pulled taut around circumference of chest.
- Round up to closest even size.

Sleeve length* (graded to chest size) — 2

- Our standard sleeve lengths fit the majority of body types according to their chest sizes.
- Otherwise, have the wearer hold arm straight down at side.
- Measure from the base of the back of the neck, over the shoulder and down the arm to the top knuckle of the little finger where it joins the hand.

Waist (available only in even sizes) — 3

- Waist is measured above pant waist or belt, directly over navel, snug.
- Note belly measurement separately if necessary. (3a)

Inseam (see chart) — 4

- Turnout inseams should be shorter than the wearer's "street length" to prevent damage to cuffs and stress at seat seams.
- Measure from the crotch down the inside of the leg to bottom of anklebone.
- Round down to nearest standard inseam length.

Women's, athletic or special sizing

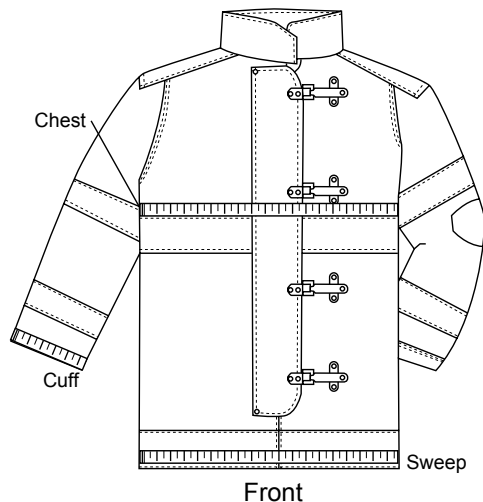
- Please alert us to any women's, athletic or special sizing so we can use female patterns or make pattern adjustments.
- Remember to specify coat, sleeve and inseam lengths for women.
- Include a hip measurement (5) to ensure proper fit. Measure around the fullest part of the hip area (usually 7" to 8" below the waist).
- If thigh measurement is needed, measure fullest circumference of thigh.

Other suggestions

- Use a sizing set whenever possible.
- Request a demonstration from your dealer.

General Instructions:

1. Use a calibrated tape measure.
2. Refer to most recent measurement specifications. These measurements apply to new garments before wash. Any washed garments are subject to up to 5% shrinkage in any directions, as allowable by NFPA Standard 1971.
3. Remove liner from shell.
4. Measure shell and liner separately.
5. Completely close the closure system.
6. Lay garment on flat surface.
7. Straighten garment to lay flat (fully extended).



Coat Measurements:

Take these measurements from the front side of the coat.

Chest

- a. Measure at underarm bellows seam.
- b. Multiply measurement by 2. This will equal the total chest measurement.

Cuff

- a. Measure straight across end of sleeve.
- b. Multiply measurement by 2. This will equal the total cuff measurement.

Take these measurements from the back side of the coat.

Sleeve

- a. Measure at center back at collar seam, across top shoulder, down outside sleeve, to cuff.
- b. For liner, measure to wristlet seam.

Coat Length

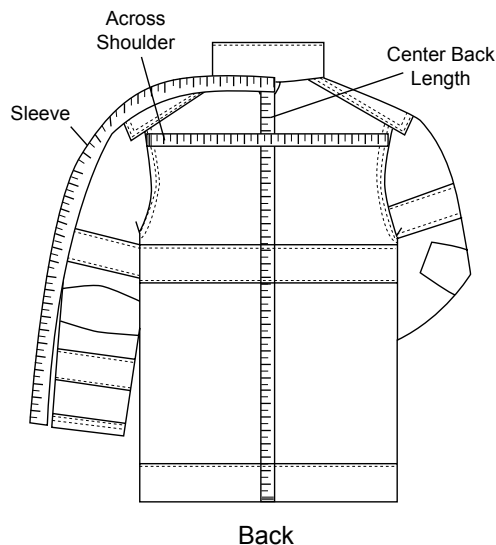
- a. Measure at center back at collar seam to bottom edge of coat.

Shoulder (not available for LION Super Coat™)

- a. Measure 2" below neck, horizontally across shoulder below shoulder reinforcement.

Sweep

- a. Open coat shell and/or liner and lay flat. Measure at inside bottom hem of coat or liner from one edge to the other.



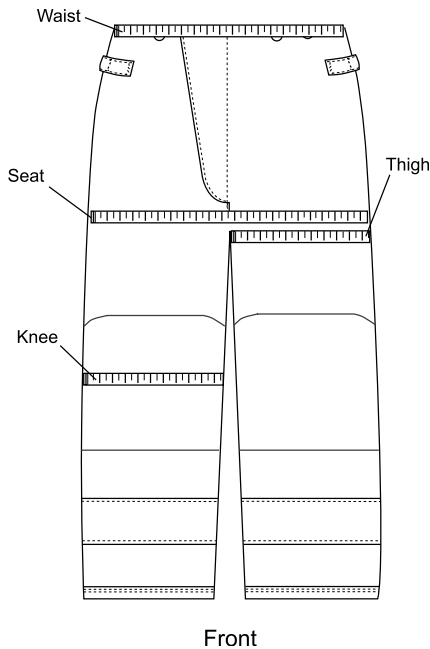
*Note:

Sleeve on V-Force:

- a. Measure at the center back at collar seam, across top shoulder, down outside sleeve to end of extended cuff. Then deduct 1.5" to get the exact sleeve length.
- b. For liner, measure to wristlet seam.

Pants Measurements:

Take these measurements from the front side of the pants.



Waist

- a. Measure straight across at waist of pants at top of fly.
- b. Multiply measurement by 2. This will equal the total waist measurement.

Thigh

- a. Measure at part of leg highest and closest to crotch.
- b. Multiply measurement by 2. This will equal the total thigh measurement.

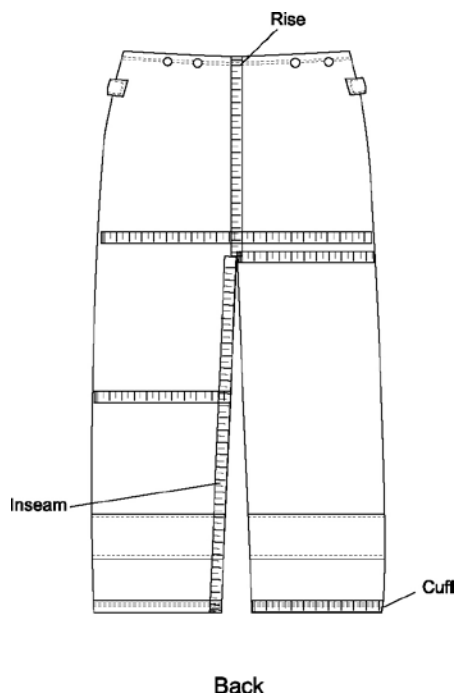
Knee

- a. Measure straight across at center of knee.
- b. Multiply measurement by 2. This will equal the total knee measurement.

Seat

- a. Measure at widest part below fly.

Take these measurements from the back side of the pants.



Rise

- a. Measure at center of waist to center of crotch.
 - For Traditional Pants, measure to center crotch seam.
 - For Super Pants, measure to center of banded crotch piece.

Inseam

- a. Separate pants legs. Measure from center of crotch to bottom of pants cuff.

Cuff

- a. Measure straight across at leg bottom.
- b. Multiply measurement by 2. This will equal the total cuff measurement.

Checking Your Clothing for Ensemble Compatibility and Proper Fit

WARNING

There are several different styles of protective coats and pants available from various manufacturers. You must make sure that you are wearing coats and pants that are compatible and have adequate overlap to assure adequate protection. Always follow the manufacturer's recommendations on compatible coat and pant models. Failure to match the proper styles of coat and pants could result in severe burns, cuts or abrasions to the lower back and torso area.

A Firefighter's Height Affects Overlap

In order to ensure proper overlap, firefighters who are taller than 5' 8" **MUST ALWAYS** wear a coat that measures 32" or greater from the collar seam to the back hem. Wearing a coat without adequate overlap could result in serious injury. Special care should be given to long-bodied firefighters of any size to ensure that overlap requirements are met.

Overlap

You must make sure that there is adequate overlap between the coat and the pants, including the outer shell, the thermal barrier and the moisture barrier before using the garment. You will need the assistance of a fellow firefighter to check these key areas.

To check overlap, the following tests should be performed while wearing your gear **WITHOUT AN SCBA DEVICE**:

- NFPA 1500 Standard Position A (Fig. 4A). While standing, reach over head as high as possible with your hands together. There should be no less than two inches of overlap from the lower edge of the inner liner of the coat to the top of the pants.
- NFPA 1500 Position B (Fig. 4B): While standing with your hands together and reaching overhead as far as possible, bend forward, then to the left, then to the right and then backwards as much as possible. There should be no less than two inches of overlap from the lower edge of the inner liner of the coat to the top of the pants in any of these positions.
- Make sure the lower edge of your pants overlaps the top of your boots by four to six inches. Make sure your gloves and wristlets overlap each other by several inches, leaving no gaps where wrists might be exposed.

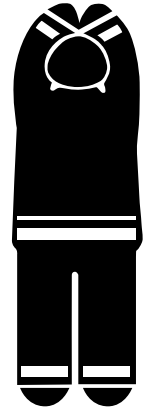


Fig. 4A
NFPA Position A

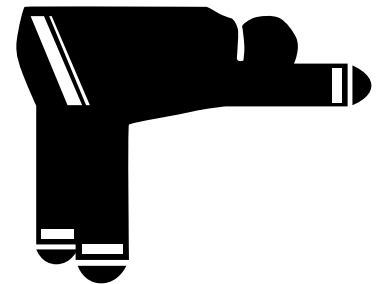


Fig. 4B
NFPA Position B

COATS — SIZING CHART MEN'S

Chest Size	34"	36"	38"	40"	42"	44"	46"	48"	50"	52", 54", 56"
Sleeve Length – XS	28"	29"	30"	30"	31"	31"	32"	32"	32"	32"
Sleeve Length – S	30"	31"	32"	32"	33"	33"	34"	34"	34"	34"
Sleeve Length – R	32"	33"	34"	34"	35"	35"	36"	36"	36"	36"
Sleeve Length – L	34"	35"	36"	36"	37"	37"	38"	38"	38"	38"
Sleeve Length – XL	36"	37"	38"	38"	39"	39"	40"	40"	40"	40"
Sleeve Length – XXL	38"	39"	40"	40"	41"	41"	42"	42"	42"	42"

COATS — SIZING CHART WOMEN'S (Please note women's coats are 3" shorter in length than men's version of each model.)

Chest Size	34"	36"	38"	40"	42"	44"	46"	48"	50"	52", 54", 56"
Sleeve Length – XS	28"	28"	29"	29"	29"	30"	30"	30"	31"	31"
Sleeve Length – S	30"	30"	31"	31"	31"	32"	32"	32"	33"	33"
Sleeve Length – R	32"	32"	33"	33"	33"	34"	34"	34"	35"	35"
Sleeve Length – L	34"	34"	35"	35"	35"	36"	36"	36"	37"	37"
Sleeve Length – XL	36"	36"	37"	37"	37"	38"	38"	38"	39"	39"
Sleeve Length – XXL	38"	38"	39"	39"	39"	40"	40"	40"	41"	41"

PANTS — SIZING CHART MEN'S AND WOMEN'S PANTS WAIST

Men's Pants Waist	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"	50"	52"	54"	56"
Men's Pants Inseams	23" (XXS)	25" (XS)	27" (S)	29" (R)	31" (L)	33" (XL)	35" (XXL)									
Women's Pants Waist	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"		
Women's Pants Inseams	21" (XXS)	23" (XS)	25" (S)	27" (R)	29" (L)	31" (XL)	33" (XXL)									