



# RICOCHET STRUCTURAL & PROXIMITY GEAR SIZING INSTRUCTIONS

## GENERAL GUIDELINES WHEN USING RICOCHET SIZING GEAR:

- **Do not use other manufacturer's sizing** or instructions.
- **Do not allow individuals to measure themselves.**
- **Take into consideration additional clothing worn for protection (J-FIRE) or during colder months**
  - *Examples: belt, cell phone, pager, etc.*
  - *Take into consideration additional clothing worn during colder months.*
- **Round all fractions up** to the next whole number.
- **Female patterns may be used during two exceptions.**
  - *Exception: A women's coat pattern is recommended if hips are 5 inches larger than the chest measurement, and/or*
  - *Hips are 5 inches larger than the waist/belly measurement.*
- Always **provide height and weight** and any non-proportional measurements.
- Ensure all layers shall have **at least a 2-inch overlap\*** between the coat and pant in both of the following positions:
  - *Standing, hands together, reaching overhead as high as possible; and*
  - *Standing, hands together, reaching overhead with body bent forward, to the side and to back as much as possible.*
  - *\*As required by NFPA 1500.*
- **Available sizes**

Coats	Men's	Women's
Chest (2" increments)*	34"-60"	28"-50"
Length (2" increments)*	30"-36"	28"-34"
Sleeve (1" increments)	32"-38"	28"-34"
Pants	Men's	Women's
Waist (2" increments)*	30"-60"	28"-50"
Inseam (2" increments)*	26"-36"	24"-34"

\* Must be even numbers

## PANTS

Not all sizes are contained in the sizing gear. If the waist size is smaller than 34" for men (32" for women) and larger than 46" for men (44" for women), use Fabric Measuring Tape Sizing Instructions available at [ADSinc.com/FES-PPE](http://ADSinc.com/FES-PPE)

When using the Ricochet Sizing Gear, try on over normal clothing and be sure to keep sizing pant on.

**Men's Sizing Pants****Women's Sizing Pants**

<b>Waist</b>	<b>Inseam</b>	<b>Identified on Pant</b>		<b>Waist</b>	<b>Inseam</b>	<b>Identified on Pant</b>
34	30	M34		32	28	W32
36	30	M36		34	28	W34
38	30	M38		36	28	W36
40	30	M40		38	28	W38
42	30	M42		40	28	W40
44	30	M44		42	28	W42
46	30	M46		44	28	W44

Following are the critical questions/points in pant sizing:

**1) Select one waist size larger than your pant/jean size.**

- Zip/close pant, crouch to make sure that pant is not too tight
- If in between sizes, chose the larger size (slightly larger pants can be addressed by tightening the belt, while too small will limit the range of movement).

**2) Check inseam length:**

- Add or subtract from the length of the sizing pant plus or minus 2" increments
  - Men's sizing pant inseam is 30"
  - Women's sizing pant inseam is 28"
  - Cuffs should fall at the ankle bone, err on shorter side.
  - If too long, the pants may drag and tear. If shorter, boot or shoe will cover this area.

**COATS**

Not all sizes are contained in the sizing gear. If the chest is smaller than 36" for men (34" for women) and larger than 48" for men (46" for women), use Fabric Measuring Tape Sizing Instructions available at [ADSinc.com/FES-PPE](http://ADSinc.com/FES-PPE).

When using the Ricochet Sizing Gear, try on over normal clothing and be sure to keep sizing pant on.

**Men's Sizing Coats****Women's Sizing Coats**

<b>Chest</b>	<b>Back Length</b>	<b>Sleeve</b>	<b>Identified on Coat</b>		<b>Chest</b>	<b>Back Length</b>	<b>Sleeve</b>	<b>Identified on Coat</b>
36	32	36	M36		34	30	32	W34
38	32	36	M38		36	30	32	W36
40	32	36	M40		38	30	32	W36
42	32	36	M42		40	30	32	W38
44	32	36	M44		42	30	32	W40
46	32	36	M46		44	30	32	W42
48	32	36	M48		46	30	32	W44

Following are the critical questions/points in coat sizing:

- 1) Does the person have enough clothing under the coat when trying it on?
  - Dress for the worst case (cold).
- 2) **Have user zip coat and hug themselves** to ensure it's not too tight across the back/chest area.
  - Men's coat patterns are straight. Zip the jacket, move, crouch, and kneel as field.

- Women’s coat patterns are flared slightly in the hip area.

**3) Check and record the chest size.**

- Chest sizes are available in 2” chest increments,
- Record the coat chest size that best fits, or choose one size up or down (+/- 2”) to adjust fit
- Zip and close gear
- The coat should also be tried on with a pant.
  - *Remember: The chest size that fits best may not be your actual chest measurement.*

**4) Check and record the sleeve length.**

- Bottom of the cuff should fall down to the thumb knuckle when standing with arms at sides.
- Add or subtract in 1” increments to reach this point.
- Err on the longer side if you are between measurements.
- If coat sleeves are too short, exposure may occur when the arms are extended.
- Adjusted sleeve should cover the wrist when the arms are extended straight in front and level with the floor.

**5) Check and record the back length.**

- See chart for guidelines.

**Guidelines for Men’s Coat Back Lengths**

Height	Typical Back Length
5’5” and shorter	30”
5’6” -6’1”	32” (standard)
6’2”-6’4”	34”
6’5” and taller	36”

**Guidelines for Women’s Coat Back Lengths**

Height	Typical Back Length
5’2” and shorter	28”
5’3” -5’8”	30” (standard)
5’9-5’11”	32”
6’0” and taller	34”

**PROVIDE THE FOLLOWING INFORMATION WHEN PLACING YOUR ORDER:**

**Pant Waist Size:** Provide a whole even number in 2” increments.

- Men’s sizes: 30”-60”
- Women’s sizes: 28”-50”

**Inseam Length:** Provide a whole number based on the adjustment, plus or minus in 2” increments, from the sizing pant—30” from Men’s and 28” from Women’s.

- Men’s ranges: 26”-36”
- Women’s ranges: 24”-34”

**SAMPLE PANT ORDER:**

**Try on a Men’s 40” sizing pant:** Inseam is 2” too long

**Order:** 40” waist x 28” inseam

**Sample Part Number:** MM2-GBS-PAA-AFM-40-28\*

*\*Note that pants are always ordered in the sequence of waist size x inseam sequence.*

## **PROVIDE THE FOLLOWING INFORMATION WHEN PLACING YOUR ORDER:**

**Coat Chest Size:** Based on which sizing coat fits best, provide a whole even number.

- Men's sizes: 34"-60"
- Women's sizes :28"-50"

**Sleeve Length:** Provide whole number based on the adjustment plus or minus in 1" increments.

- Men's ranges: 32"-38"
- Women's ranges: 28"-34"

**Back Length:** Provide a number based on the adjustment plus or minus in 2" increments.

- Men's: 30", 32" (standard), 34" and 36"
- Women's: 28", 30" (standard), 32" and 34"

### **SAMPLE COAT ORDER:**

**Try on a Men's 44" sizing coat:** Sleeves are 2" too long and the coat length is appropriate

**Order:** 44" chest x 32" back length x 34" sleeve

**Sample Part Number:** MM2-GBS-C-AFM-44-32-34\*

*\*Note that the coats are always ordered in the sequence of chest x coat back length x sleeve length*

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The important thing to remember is to be sure there is enough room to move. We often have individuals who are on a diet or working out and want to get the pants tighter/smaller so they will fit better in the future. This is a great in theory but not in practice

In general, your bunker coat chest size and bunker pant waist size will be larger than your pant/jean size and the inseam will be approximately 2" shorter than your pant/jean inseam.

***If you would also like to take measurements with a tape as a back-up, use Fabric Measuring Tape Sizing Instructions, available at [ADSinc.com/FES-PPE](https://www.adsinc.com/FES-PPE).***