

**MEASUREMENT INSTRUCTIONS FOR
LEATHER SUITS & GLOVES**

ENSURING THE BEST FIT...

These Measurement Instructions are a step-by-step guide through the measuring process, to gather all of the information necessary to create a properly-fitting suit.

Follow the Instructions carefully and use the photos for reference when taking measurements.

Preparation

To Take the perfect measurements, wear what you will wear under your suit, nothing more nothing less. It is also important that all the contours and limbs of the body are visible for accurate identification.

Before taking any measurements, please note your age (years), height (inches) and weight (lbs) on the measurement instructions sheet. Now make sure all the measurements are taken exactly on the skin. We will make adjustments for the additional space for the extra layers and suit armor.

If there is ANY question please contact us (slaes@hazardousracing.com), a Hazardous Racing representative will assist you throughout the process. Otherwise, follow the adjacent pictures with the given instructions.

Wear your body armor (e.g. back protector and/or chest guard) while taking the measurements.

Use a soft measuring tape that has markings in CM. (Centimeters)

1. Wasteline



For the first measurement we recommend that the tape is held 'upside down' when measuring, as it keeps the edge of the tape with the numbers, closest to the body line.

Run the tape through the small of the back and around the front at a line approximately 3" under the navel.

The two sets of red lines indicate this.

Measurement (CM):



2. Chest



Measure is to be taken around the fullest part of the chest, while holding the tape high under the arms.

This measurement is best conducted from behind. With arms still raised out in front, measure around the fullest part of the chest muscle and over the shoulder blades at the back.

The tape should be snug and level throughout.

Measurement (CM):



3. Neck



Measure around the lower edge of the neck with an upside down tape. (Measurement is easiest taken turned your head left)

Follow the indicated red lines, which illustrate where the neckline of the suit and lower edge of the collar would be.

If in doubt it is nearly always 4 - 4.5" bigger than your true shirt collar next size. (if you wear 16" shirt - expect to measure 20" - 20.5")

Measurement (CM):



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4. Shoulder



Measure towards the neck just below the ear.

This measurement is taken from the corner of the shoulder to where a t-shirt would stop at the bottom of the neck.

If in any doubt, measure between the indicated red lines.

Example: 20cm

Left (CM):

Right (CM):

5. Collar To Elbow



Measure from the collar line (where a t-shirt starts) and retrace your steps back out along the corner of your shoulder. Continue down to the outside of the arm to the point of the elbow.

Measure as per the indicated red lines.

Example: 43cm >> Measurement 4 + Distance from of 4 to elbow point = 43cm

Left (CM):

Right (CM):

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6. Elbow To Wrist



For this measurement we are needing a continuation of the previous measurement to the wrist bone. From the back of the elbow joint, follow a line along the outside edge of the arm until you reach the cuff bone at the wrist.

Measure as per the indicated red lines.

Example: 66cm >> Measurement #5 plus distance to wrist = 66cm

Left (CM):

Right (CM):

7. Bicep



Measure around the fullest part of a flexed bicep. Typically this is about half way between the elbow and the armpit.

Left (CM):

Right (CM):

8. Elbow



Measure around the elbow directly over the bone and through the crease.

This measurement should be taken with the arm at a 90* angle.

Left (CM):

Right (CM):

9. Forearm



Measure around the forearm at the widest point, usually just a few inches from the elbow joint.

Left (CM):

Right (CM):

10. Wrist



Measure around the cuff directly over the wrist bones.

Left (CM):

Right (CM):

11. Shoulder To



Start the tape on the right shoulder at a point where you would expect to see the seam of a t-shirt sleeve begin. This starting point is where the curve of the shoulder is at its center most point.

Measure across to the same location on the left shoulder making sure half of your measurement is in the center of the neck. It is very important this measurement goes up to the nape of your neck. If this measurement is taken straight across the back your suit will be too short in the crotch!

Measurement

(CM): .

Measurements 12 through 14 are the cumulative total of your torso circumference Starting at the lower neck running down through the groin and back up to the nape of the neck. It is VERY Important that your measurement through the groin is measured as high as possible with nothing in the way. A measurement to long here will impede leg movement on the bike due to the crotch of the suit being too long.

12. Neck to Waistline



For the first part of the measurement measure from the Collar to Navel as indicated between the red lines.

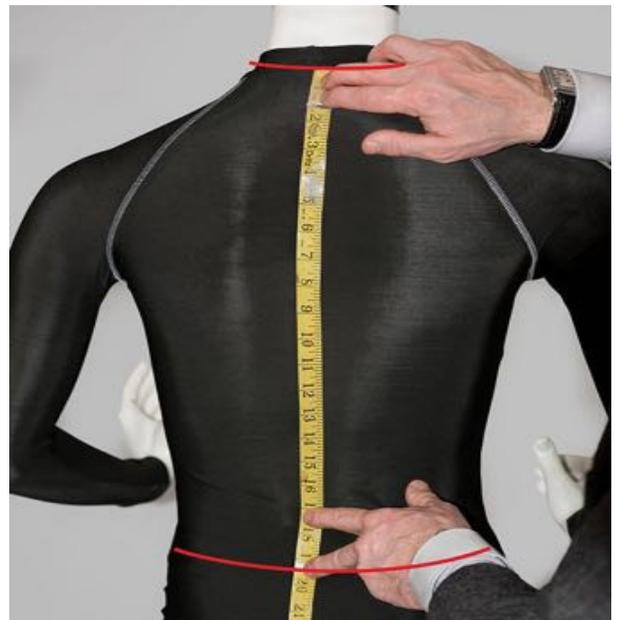
Measurement (CM):

13. Neck to Waistline (Back)

This measurement is similar to #12 only on the back side. Start at the nape of your neck and measure to the hollow of your back as indicated by the red lines.

The line through the small of your back would be approximately where you would envisage the bottom edge of your belt, approximately 2" or 5cm below your navel.(also the line of the connection zip in a two piece bike suit).

Measurement (CM):



14. Front Of Neck - Through Crotch - To Back Of Neck



For this section measure from the Collar to Navel as indicated between the red lines. Measurement #12



Continue through the groin. Again this measurement is in addition the Collar to Navel and is taken as part of the total body depth.

Note the red line at the groin is NOT under the groin but before you would continue to loop around underneath.

(As a guide it ought to be about where you would expect the bottom of a fly zip to end).



Take the tape through the groin, around and behind the seat and up through the back, keeping the tape both central and against the contours of the body.

Be careful under the groin to ensure the tape is neither too loose or tight and to help this it requires that you stand with feet approximately 1.5 times your shoulder width apart.... about 30" or so.

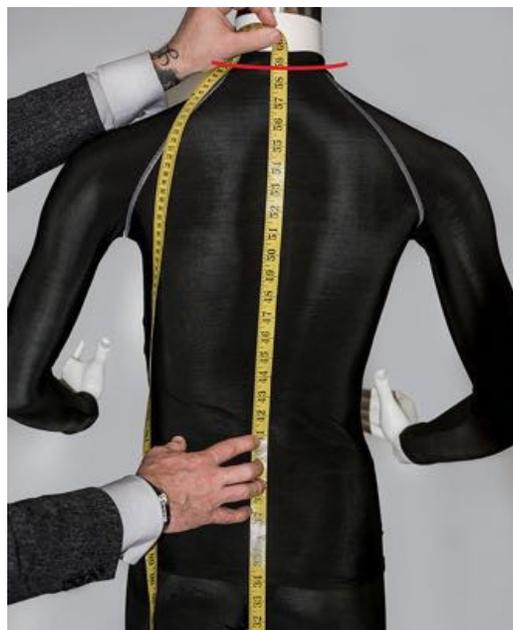
Follow the tape until you reach the nape of the neck as indicated by the red line.

If you would like to double check this measurement. Use the equation:

Measurement 12+13+ distant between navel through groin to small of back = measurement 14

Measurement (CM):

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15.



It is very important the seat is measured with the feet correctly placed about 30" (75cm) apart. This simulates how wide you are when set on a bike. Find the line around the widest part of the seat and hips and ensure the tape is level at the front and the back.

The tape should be level with the bottom of the imaginary fly zip when viewed from the front.

Measurement (CM):

16. Upper



Measure around the top of the thigh at the widest point, which would be about 2-3" (5-7cm) below the top of the groin and ensure that it is below the buttock muscle at the back.

Left (CM):

Right
(CM):

17. Mid



Measure around the thigh at this mid-thigh point.

Left (CM):

Right
(CM):

18. Knees



Measure around your knee cap over the center. You can bend the knee a little to help see the center line.

Left (CM):

Right (CM):

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19. Calf



Measure around the calf at the fullest point which is usually around 5-6" below the center of your knee-cap.

Left (CM):

Right (CM):

20. Ankle



Take this measurement about 2" above the ankle bone around the narrowest part.

This is exactly where the legs of your suit will finish (even though we have asked you to measure leg length to the ankle bone, they will sit slightly higher when worn).

Left (CM):

Right (CM):

21. In-seam



This measurement is required to ensure the knee position is properly placed

It is important to measure high in the groin then place the tape along the inside thigh line along an imaginary inner legs pants seam.

The start point is where the tape was placed in measurement 14 earlier, then down to a level equal to the center of the knee cap and then moving downward to the center of the ankle bone as indicated by the lower red line.

Keep the tape on the inside of the leg and between the indicated red lines.

Measurement (CM):

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22. Armpit To



Start from the dotted red line under the armpit.

(This Is also a very important measurement. With your arm down it should start at the lowest part of the armpit. Typically, where your pec touches the bicep. Please flex your pec for this measurement. Measuring higher will leave your suit cutting into your chest measuring to low will limit arm movement)

From this point measure down the outside of the torso to the waistline.
The lower dotted red line is level with the navel.

The lower red line is the waist line. We need from armpit to waistline.

**Left
(CM):**

**Right
(CM):**

23. Waistline To



Measure down the outside leg from the waistline to the knee as indicated by the red lines.

**Left
(CM):**

**Right
(CM):**

24. Knee To



Measure down the outside leg from the knee right to the bottom as indicated by the red line at the ankle bone.

**Left
(CM):**

**Right
(CM):**

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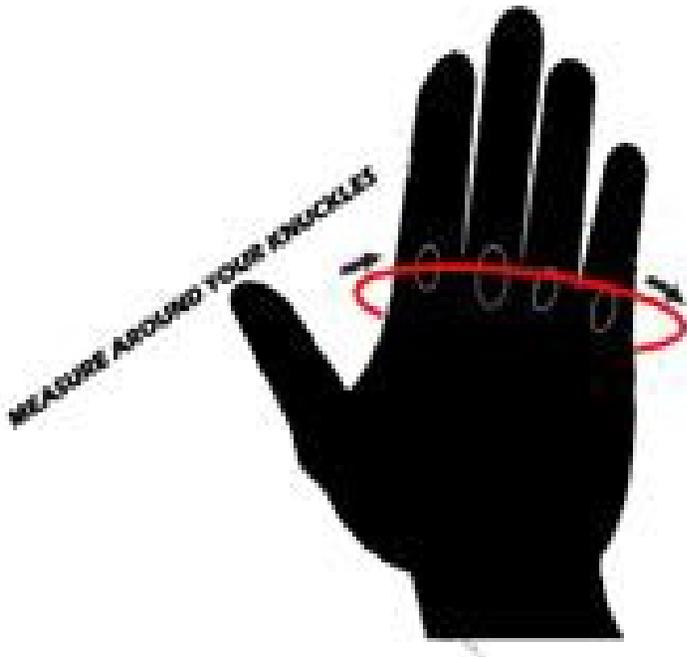
Standard Glove Measurement Chart

Measure **TIGHTLY** around the knuckles of each hand (as shown).

Using the **LARGEST** measurement of the two, use the size chart to determine the glove size.

NOTE: Take the measurement of **BOTH** hands, and use the **LARGEST** measurement of the two. Gloves only come in **ONE** size for **BOTH** gloves, so it is better to use the largest hand size to determine the glove size.

25. Gloves



HAND Size

16.5 – 17cm
17.5 – 18cm
18.5 – 19cm
19.5 – 20cm
20.5 – 21cm
21.5 – 22cm
22.5 – 23cm
23.5 – 24cm
24.5 – 25cm
25.5 – 26cm
26.5 – 27cm

GLOVES Size

7
8
9
10
11
12
13
14
15
16
17

Glove size :

Summary Of Measurement Data

Name: Height (CM): Weight (lb):

1. Waistline:

2. Chest:

3. Neck:

4. Shoulder: Left (CM):

Right (CM):

5. Collar To Elbow: Left (CM):

Right (CM):

6. Elbow To Wrist: Left (CM):

Right (CM):

7. Bicap: Left (CM):

Right (CM):

8. Elbow: Left (CM):

Right (CM):

9. Forearm: Left (CM):

Right (CM):

10. Wrist: Left (CM):

Right (CM):

11. Shoulder To Shoulder:

12. Neck To Waistline (Front):

13. Neck To Waistline (Back):

14. Front Of Neck - Through Crotch - To Back Of Neck:

15. Hips:

16. Upper Thighs: Left (CM):

Right (CM):

17. Mid Thighs: Left (CM):

Right (CM):

18. Knees: Left (CM):

Right (CM):

19. Calf: Left (CM):

Right (CM):

20. Ankle: Left (CM):

Right (CM):

21. In-seam: Left (CM):

Right (CM):

22. Armpit To Waistline: Left (CM):

Right (CM):

23. Waistline To Knee: Left (CM):

Right (CM):

24. Knee To Ankle: Left (CM):

Right (CM):

25. Gloves Size:

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Personal Information

Name :

Height (cm):

Weight (lb):

Special Needs Due To Injury:

Contact & Shipping Information

Address :

City :

State / Province :

ZIP / Postal Code :

Country :

Phone :

E-mail :

Date :

Hazardous Racing LLC Guarantees all custom suits will be made to "YOUR" measurements provided or we fix it no questions asked!
Please make sure you have followed this guide closely and measured twice. If you have any questions, please contact us at
sales@hazardousracing.com

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