

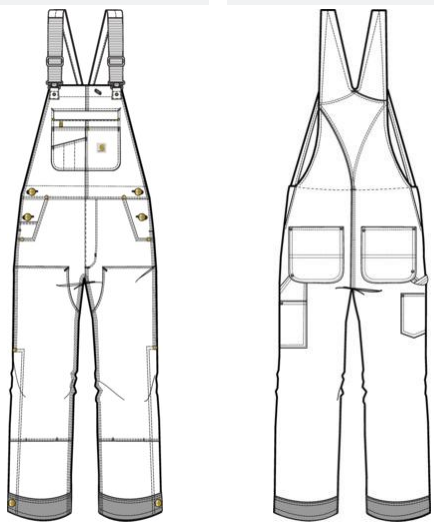
<b>Tech Pack</b>	Production with new Care Format
<b>Description</b>	Production F24 and newer

### Message

RSL: It is expected that all goods produced for Carhartt comply fully with the Restricted Substances List (RSL) published by the Apparel and Footwear International RSL Management Group. The AFIRM RSL is available at the link below. If you should have any concerns in meeting this product specification, please discuss with the Carhartt Development Team, Fabric and Testing Manager, Quality Manager, or Sourcing Manager. <https://www.afirm-group.com/afirm-rsl/>

### Properties

**Front\_Sketch**      **Back\_Sketch**



<b>Style #</b>	104031
<b>Style Description</b>	Loose Fit Washed Duck Insulated Bib Overall
<b>Model #</b>	OR4031-M
<b>Non-Stock/Mainline Reference</b>	
<b>Season</b>	2025 Spring
<b>Development Type</b>	Carryover

<b>Designer</b>	Jillian Schopieray
<b>Product Developer</b>	Carly Wright
<b>Technical Designer</b>	Kelsey Leliaert
<b>Active Colorways</b>	BLK-Black, BRN-Carhartt Brown, DKB-Dark Brown
<b>Resource</b>	
<b>Product Improvement/Roll Change</b>	Product Improvement

<b>Washed</b>	✓
<b>FR</b>	
<b>ANSI</b>	
<b>ATPV</b>	
<b>CAT Rating</b>	
<b>EBT</b>	

**Properties**

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<b>Department</b>	Men's	<b>Fit</b>	Loose Fit
<b>Category</b>	Outerwear		





Documents

Image										Document Type
										Style Wash Formula

										Style Wash Formula
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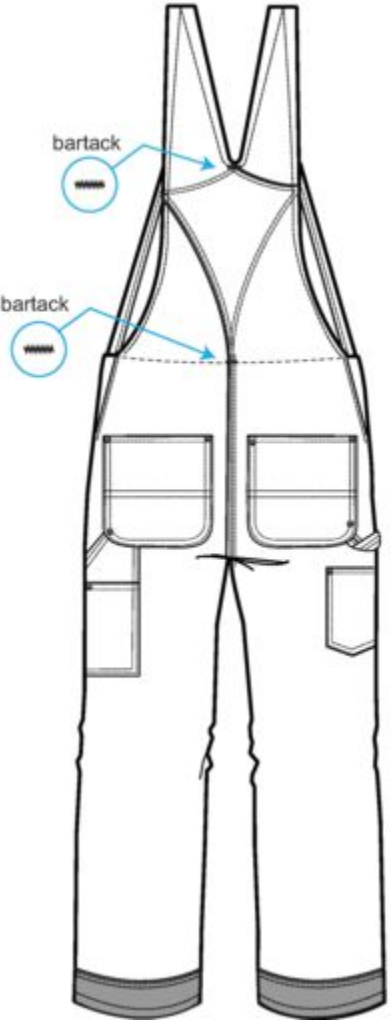
Displaying 3 - 4 of 23 results

Documents

Image	Document Type
<p><b>RISE/FLY</b></p> <ul style="list-style-type: none"> <li>- Front rise is safety stitched, turned toward wear-er's left, and 2NTS.</li> <li>- 1/4" 2N lockstitch "J" Stitch Fly.</li> <li>- SN lockstitch at center front edge of fly.</li> <li>- 1 bartack at the base of the fly perpendicular to center front, 1 bartack at the top of the "J" curve, 3/4" above the bartack at the base of the fly.</li> </ul> <p><b>INSEAM</b></p> <ul style="list-style-type: none"> <li>- 5/16" 3N mock felled chainstitch.</li> <li>- Front over back.</li> </ul> <p>-Vertical bartacks at edge of clearout opening</p> <p><b>WAISTBAND</b></p> <ul style="list-style-type: none"> <li>- Waistband clean finished on interior.</li> <li>- 2N 1/4" topstitch above waist seam.</li> <li>- SN topstitch at top edge of waistband to secure facing.</li> <li>- 2 button closure at sides.</li> </ul> <p><b>BIB</b></p> <ul style="list-style-type: none"> <li>- Bib front is 2 ply; interior ply has no CF seam &amp; forms pocket bag for zippered welt pocket. See additional sketch.</li> <li>- Bib top turned back to form 1 1/4" hem, clean finished on interior, SN lockstitch or chainstitch edgestitched at top and bottom edges.</li> <li>- Keyhole buttonhole in hem, at 45° angle, placed 1/2" over from closest row of CF bib stitching.</li> <li>- Center Front bib seam is 3N Felled.</li> </ul> <p><b>OUTSEAM</b></p> <ul style="list-style-type: none"> <li>- 5/16" 3N mock felled chainstitch</li> <li>- Front over back.</li> <li>- 2N stitich forms side seam zipper placket.</li> <li>- Snaps secure placket over zipper.</li> </ul> <p><b>LEG ZIPPER PLACKET/ ZIP TO KNEE</b></p> <ul style="list-style-type: none"> <li>- Zipper is set into the outseam placket with 2N lockstitch.</li> <li>- Lining is set into zipper placket edge.</li> <li>- Zipper stops 1 1/4" from hem of the garment so that the slider won't extend past the hem when zipped.</li> </ul> <p>Interfacing locations: chest bib pocket welt, Front WB facing, Hammer loop, Bib side-entry &amp; extension</p> <p>*see separate sketches for pockets*</p>	<p>Style Illustrated Details</p>

Displaying 5 - 5 of 23 results

Documents

Image	Document Type
<p><b>BACK BIB DIAMOND</b></p> <ul style="list-style-type: none"> <li>- Continuous panel from back leg, overlapped in diamond, into opposite side.</li> <li>- Horizontal bartack at top and bottom overlap points of diamond.</li> <li>- (See separate sketch for strap construction).</li> </ul>  <p><b>BACK LINING ATTACH:</b></p> <ul style="list-style-type: none"> <li>- 1NTS across back waist secures quilted lining.</li> <li>- Lining back waist edge is clean finished on interior of garment.</li> </ul> <p><b>REINFORCED HEM WITH CORDURA FABRIC OVERLAY</b></p> <ul style="list-style-type: none"> <li>- 1/4" 2N lockstitch kick panel overlay to garment prior to sewing inseam.</li> <li>- Overlay is on front and back of garment.</li> <li>- Hem pant and overlay together with SN Lockstitch.</li> </ul> <p>*****        * last update *        * 6-28-22 *        *****</p>	<p>Style Illustrated Details</p>

Displaying 6 - 6 of 23 results

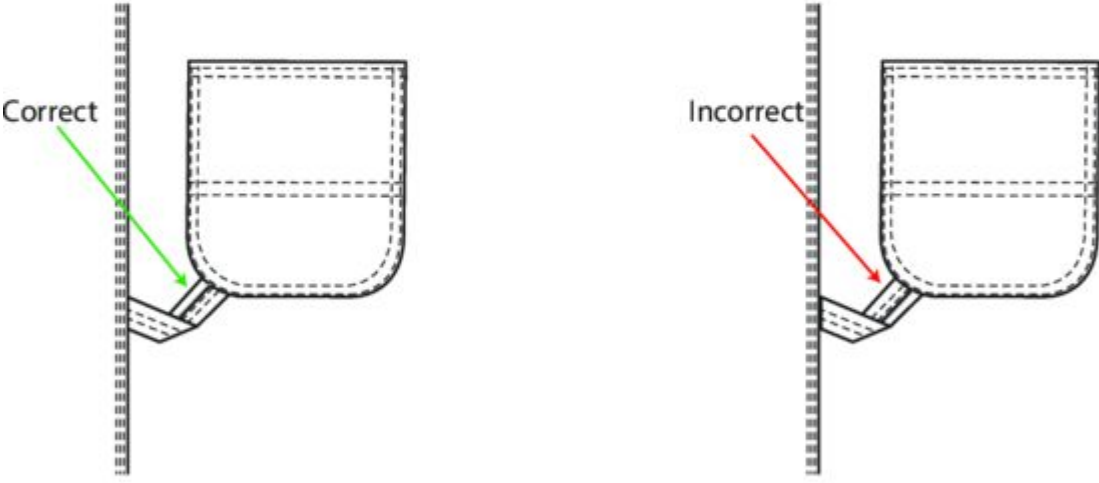
Documents

Image	Document Type
<p>Single needle stitch through all layers at top.</p> <p>Strap hems overlap for at least 1" at top of inside strap.</p> <p>STRAPS</p> <ul style="list-style-type: none"> <li>- Straps are continuation of panel from back leg. Clean finished at interior.</li> <li>- Straps are double-turned and clean finished with SN lockstitch.</li> <li>- Strap hems widen at top to encase elastic webbing, see sketch.</li> </ul> <p>Interior View: Back diamond Clean finished at interior.</p>	<p>Style Illustrated Details</p>

Displaying 7 - 7 of 23 results

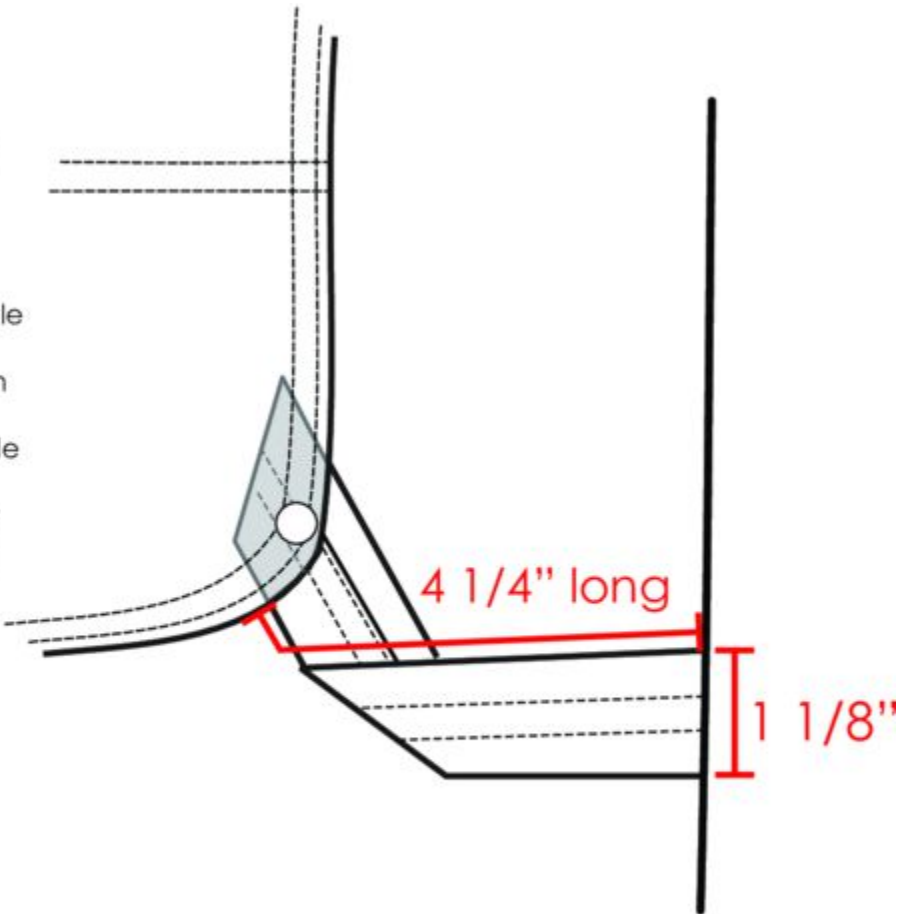


Documents

Image	Document Type
<p data-bbox="504 284 1113 332"><b>Hammer loop seam position</b></p> <p data-bbox="430 389 1134 535">Position the loops with the folded edge of the seam facing <b>DOWN</b> in the section of the loop nearest to the sideseam. (For ease of sliding tools into loop).</p>  <p data-bbox="273 1234 1344 1307"><i>This is a generic image intended to convey loop construction information only. Please do not use it for garment styling information, only for loop construction.</i></p>	<p data-bbox="1585 284 1848 316">Style Illustrated Details</p>

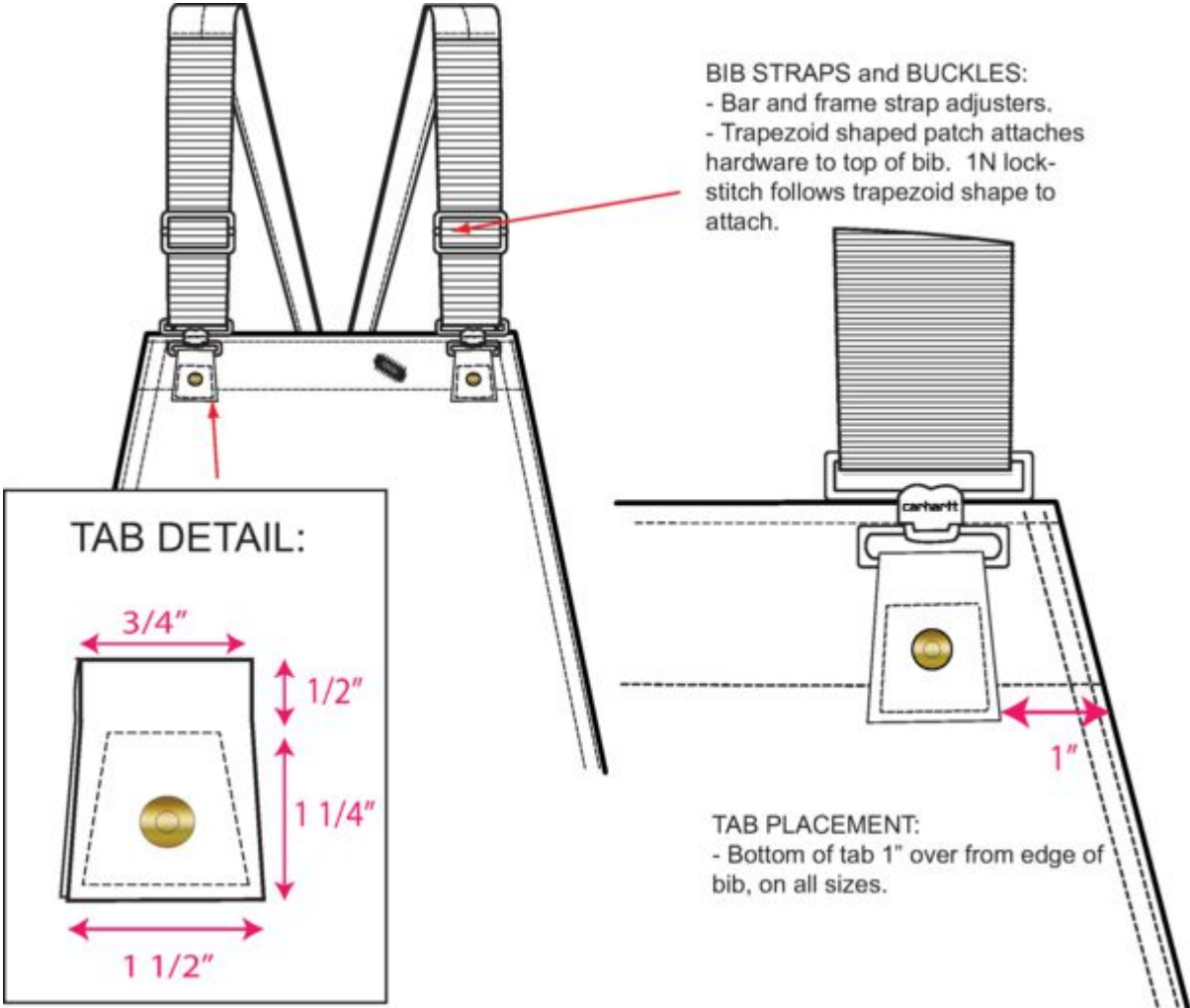
Displaying 8 - 8 of 23 results

Documents

Image	Document Type
<p><b>HAMMER LOOP:</b></p> <ul style="list-style-type: none"> <li>-2 Ply Hammer Loop; clean finish make.</li> <li>-1/4" 2N lockstitch through center of loop to make.</li> <li>- Insert hammer loop into curved corner of wearer's right pocket- insert minimum 1/2" into pocket.</li> <li>- Folded edge of loop is facing up when inserted into pocket.</li> <li>- Set hammer loop at a perpendicular angle to the side join seam.</li> <li>- Folded edge of loop is facing down when inserted into side join seam.</li> <li>- Excess hammer loop may be cut off in side join seam sewing operation.</li> <li>-Set rivet centered between 2N pocket set stitching centered over hammer loop - set through all layers of fabric. Rivet must not sit on top of stitching.</li> </ul>  <p>last update 2-13-20</p> <p><b>**WIDTH OF LOOP IS SAME FOR ALL SIZES.**</b> <b>**LENGTH MEASUREMENTS SHOWN ARE FOR BASE SIZE.**</b></p>	<p>Style Illustrated Details</p>

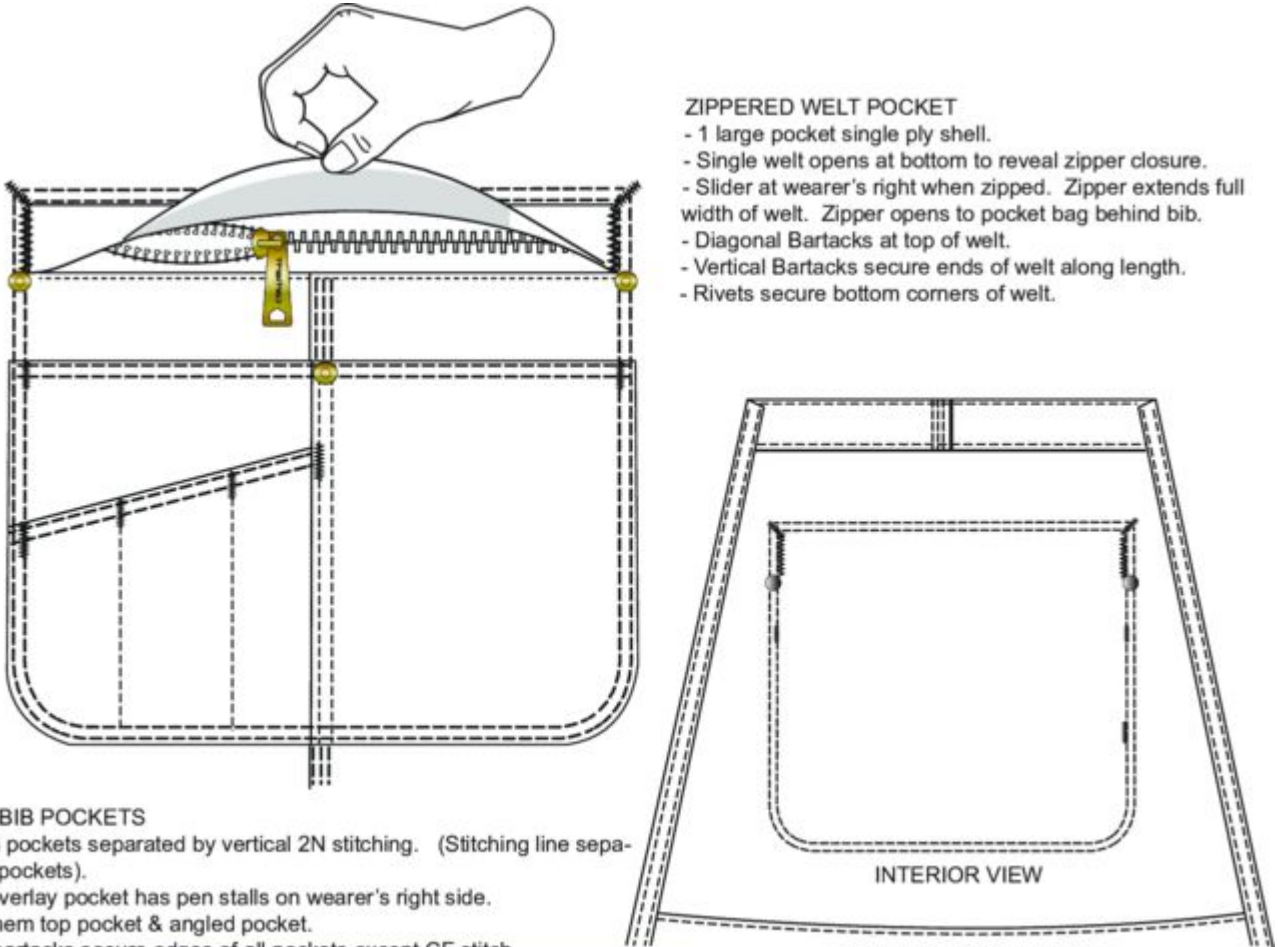
Displaying 9 - 9 of 23 results

Documents

Image	Document Type
 <p><b>BIB STRAPS and BUCKLES:</b></p> <ul style="list-style-type: none"><li>- Bar and frame strap adjusters.</li><li>- Trapezoid shaped patch attaches hardware to top of bib. 1N lock-stitch follows trapezoid shape to attach.</li></ul> <p><b>TAB DETAIL:</b></p> <ul style="list-style-type: none"><li>- Width: 3/4"</li><li>- Top height: 1/2"</li><li>- Total height: 1 1/4"</li><li>- Bottom width: 1 1/2"</li></ul> <p><b>TAB PLACEMENT:</b></p> <ul style="list-style-type: none"><li>- Bottom of tab 1" over from edge of bib, on all sizes.</li></ul>	<p>Style Illustrated Details</p>

Displaying 10 - 10 of 23 results

Documents

Image	Document Type
 <p><b>ZIPPERED WELT POCKET</b></p> <ul style="list-style-type: none"> <li>- 1 large pocket single ply shell.</li> <li>- Single welt opens at bottom to reveal zipper closure.</li> <li>- Slider at wearer's right when zipped. Zipper extends full width of welt. Zipper opens to pocket bag behind bib.</li> <li>- Diagonal Bartacks at top of welt.</li> <li>- Vertical Bartacks secure ends of welt along length.</li> <li>- Rivets secure bottom corners of welt.</li> </ul> <p><b>DROP-IN BIB POCKETS</b></p> <ul style="list-style-type: none"> <li>- 2 drop-in pockets separated by vertical 2N stitching. (Stitching line separates the pockets).</li> <li>- Angled overlay pocket has pen stalls on wearer's right side.</li> <li>- 1/4" 2N hem top pocket &amp; angled pocket.</li> <li>- Vertical bartacks secure edges of all pockets except CF stitch line has 1 rivet at top edge. Rivet passes through outer layers of pocket only, not through lining. Rivet separates the 2 halves of the pockes.</li> </ul> <p><b>INTERIOR VIEW</b></p>	<p>Style Illustrated Details</p>

Displaying 11 - 11 of 23 results

Documents

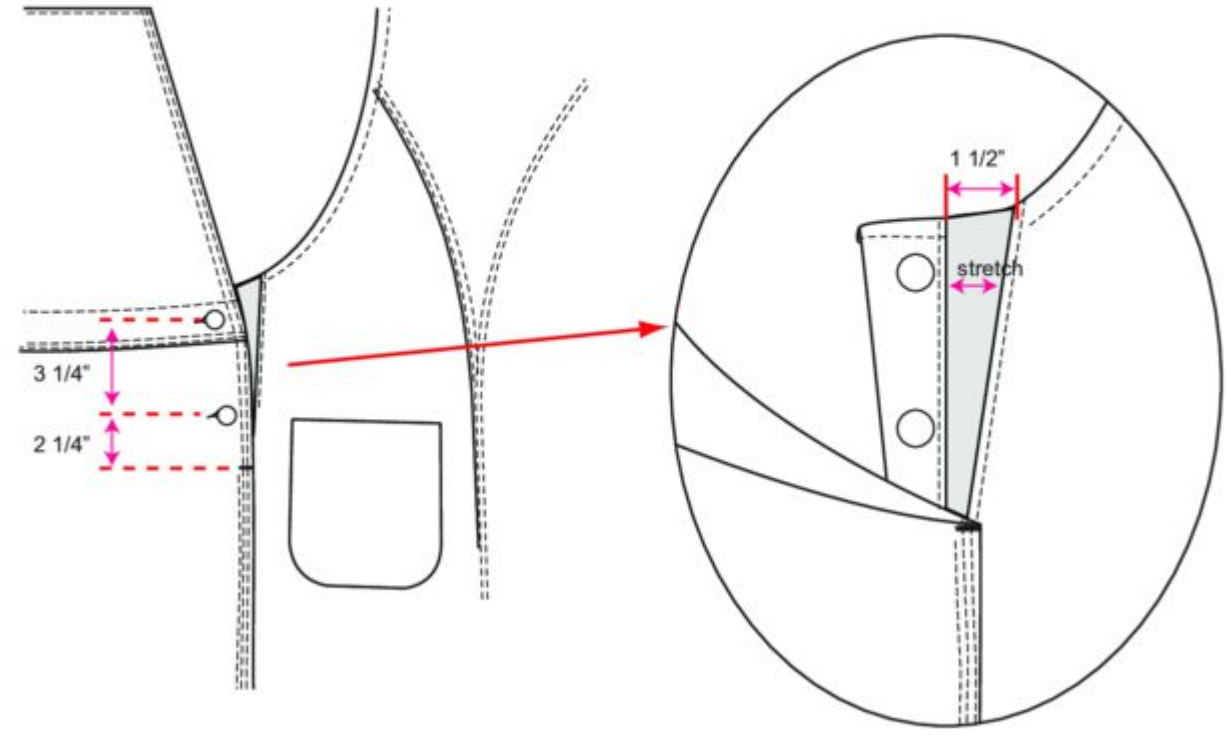
Image	Document Type
<p style="text-align: center;"><b>SIZES S-XL</b></p> <p style="text-align: center;">Displaying 12 - 12 of 23 results</p>	<p>Style Illustrated Details</p>

Documents

Image	Document Type
<p style="text-align: center;"><b>SIZES 2XL-6XL</b></p>	<p>Style Illustrated Details</p>

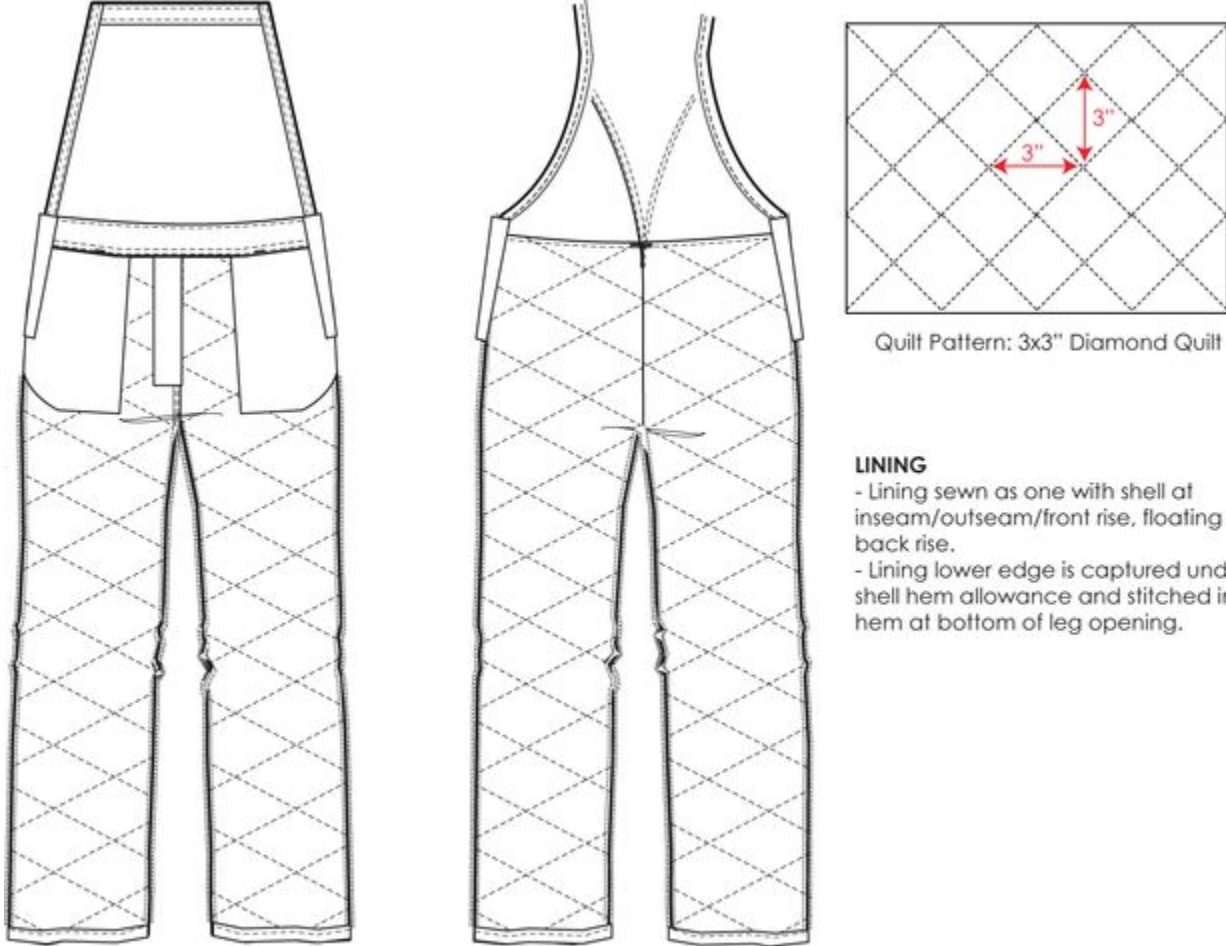
Displaying 13 - 13 of 23 results

Documents

Image	Document Type
<p><b>BIB SIDE ENTRY</b></p> <ul style="list-style-type: none"> <li>- 2 button side entry with 2 shank button closures and keyhole buttonholes.</li> <li>- 1st button centered on waistband. 2nd button is set 3 1/4" down from 1st.</li> <li>- Horizontal bartack on outseam placed 2 1/4" below buttonhole.</li> </ul> <p><b>STRETCH PANEL &amp; UNDERLAP</b></p> <ul style="list-style-type: none"> <li>- 2-ply self fabric underlap bears buttons for SS closure.</li> <li>- Buttons placed accordingly with buttonholes at specified placement.</li> <li>- Stretch panel pieced in between underlap and back bib allows for give at the waist.</li> <li>- SN edgestitch on underlap and back panel.</li> </ul>  <p>The image shows a technical drawing of a bib side entry. On the left, a side view of the bib is shown with two buttonholes. The distance between the two buttonholes is marked as 3 1/4". The distance from the waistband to the second buttonhole is marked as 2 1/4". A red arrow points from the second buttonhole area to a circular inset on the right. This inset provides a detailed view of the stretch panel and underlap, showing a 1 1/2" width and a 'stretch' area between two buttonholes.</p> <p><i>This is a generic sketch. Please do not use it for garment styling, only for information about how to construct the side opening.</i></p>	<p>Style Illustrated Details</p>

Displaying 14 - 14 of 23 results

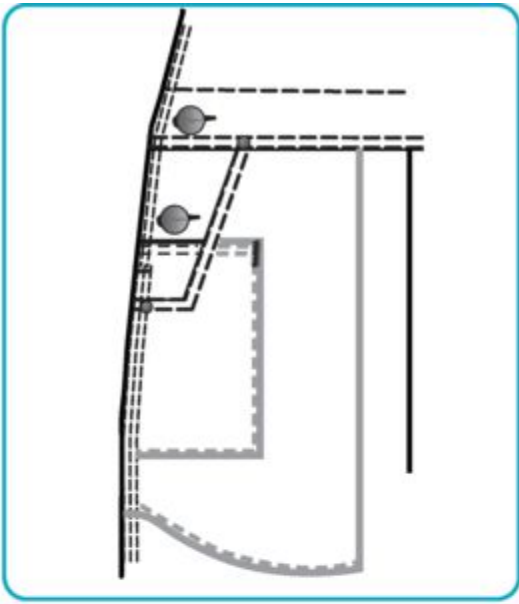
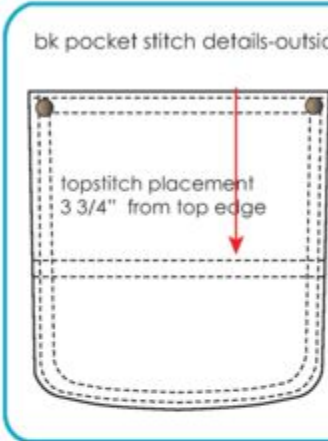

## Documents

Image	Document Type
 <p data-bbox="1045 618 1402 643">Quilt Pattern: 3x3" Diamond Quilt</p> <p data-bbox="1031 740 1104 764"><b>LINING</b></p> <ul data-bbox="1031 768 1430 922" style="list-style-type: none"><li>- Lining sewn as one with shell at inseam/outseam/front rise, floating at back rise.</li><li>- Lining lower edge is captured under shell hem allowance and stitched into hem at bottom of leg opening.</li></ul> <p data-bbox="310 1284 743 1308">(Side leg zippers, leg overlays, rivets not shown).</p>	<p data-bbox="1591 289 1843 313">Style Illustrated Details</p>

Displaying 15 - 15 of 23 results

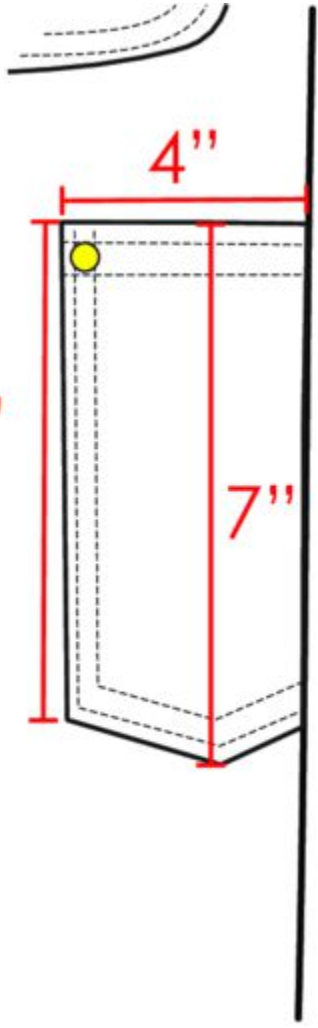


Documents

Image	Document Type
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 10px; width: 45%;">  <p><b>FRONT LEDGE POCKETS</b></p> <ul style="list-style-type: none"> <li>- Pocket opening has 2" wide self fabric facing at interior. 1/4" 2N topstitch along pocket edge.</li> <li>- Pocket facing &amp; pocket bearer are serged &amp; topstitched to pocket bag, or attached with 2N top coverstitch.</li> <li>- Rivets set at edges of pocket opening: top rivet just above waist join seam centered between 1/4" pocket stitch, bottom rivet 1/8" inside side seam stitching. Rivets must not break threads.</li> <li>- Pocket bag bottom edge is safety stitched, turned and re-stitched.</li> <li>- See additional image for coin/cell pocket detail.</li> </ul> <p><b>WATCH/COIN POCKET</b></p> <ul style="list-style-type: none"> <li>- Wearer's right side only.</li> <li>- 1/4" 2N hem at pocket top edge.</li> <li>- Pocket set to body with SN edgestitch.</li> <li>- Vertical bartack at the pocket opening</li> </ul> </div> <div style="border: 1px solid black; padding: 10px; width: 45%;"> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>bk pocket stitch details-outside</p>  </div> <div style="text-align: center;"> <p>bk pocket stitch details-inside</p>  </div> </div> <p><b>BACK PATCH POCKETS</b></p> <ul style="list-style-type: none"> <li>- Pocket opening is double turn clean finished with 2N chainstitch.</li> <li>- 1/2 lined with shell self for added durability. Clean finish top edge of 1/2 lining at top edge &amp; set as one with pocket along sides &amp; bottoms.</li> <li>- Horizontal 2N is placed 3 3/4" below finished top edge of pocket body.</li> <li>- Clean finish set sides &amp; bottom of pocket to back body panels with 1/4" 2N lockstitch.</li> <li>- Set rivets at each opening corner - centered between stitchlines; do not set rivet on top of stitching.</li> </ul> </div> </div>	<p>Style Illustrated Details</p>

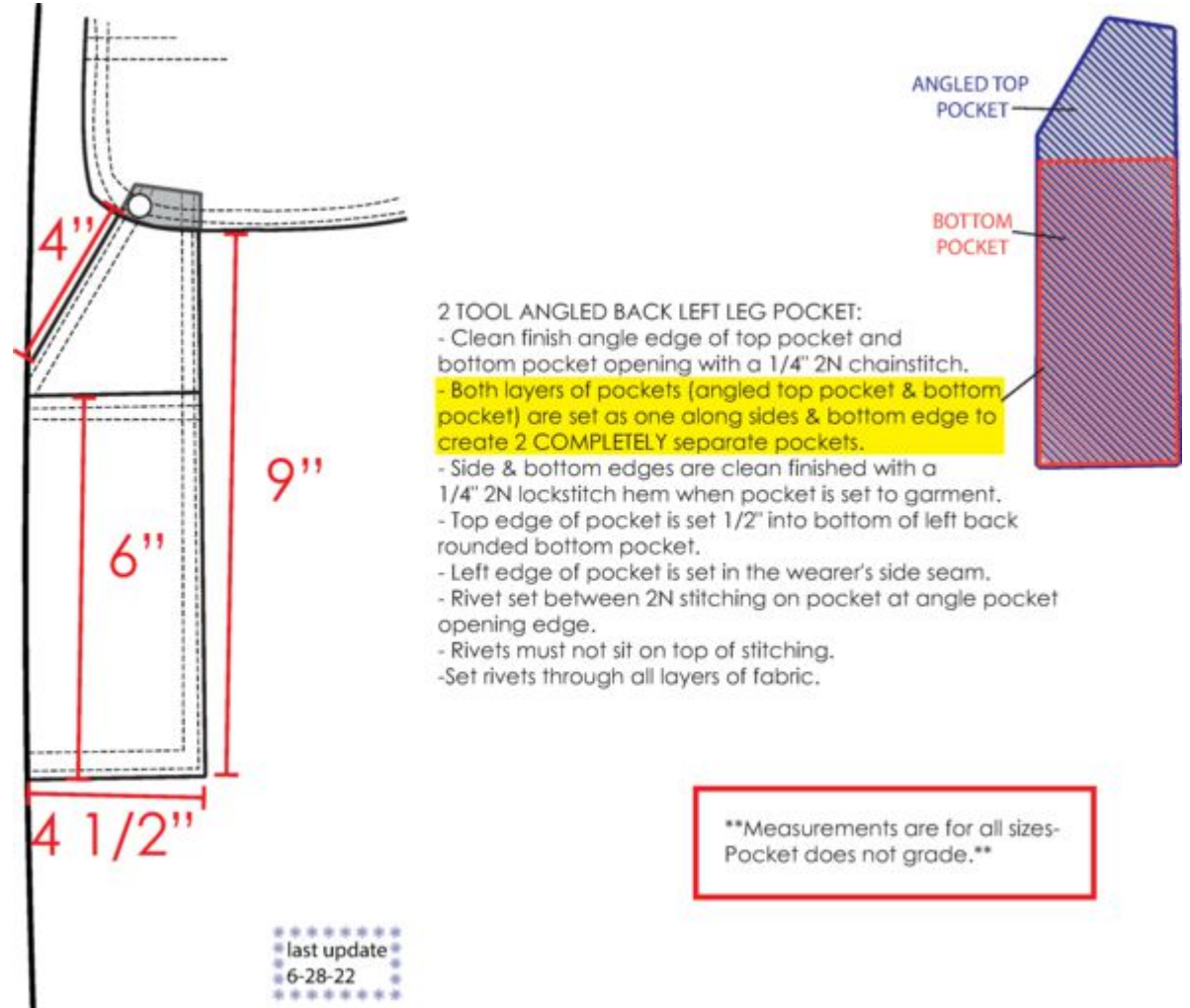
Displaying 16 - 16 of 23 results

Documents

Image	Document Type
 <p>TOOL BACK LEG POCKET:</p> <ul style="list-style-type: none"> <li>- Clean finish top opening edge of pocket with 1/4" 2N chainstitch.</li> <li>- Side &amp; bottom edges are clean finished with a 1/4" 2N lockstitch hem when pocket is set to garment.</li> <li>- Right edge of pocket is set in the wearer's side seam.</li> <li>- Rivet set at opening corner centered on cross point of 2N stitching on pocket, set through all layers of fabric.</li> <li>- Rivet must not sit on top of stitching.</li> </ul> <div style="border: 2px solid red; padding: 5px; margin-top: 20px; text-align: center;"> <p>**Measurements are for all sizes- Pocket does not grade.**</p> </div>	<p>Style Illustrated Details</p>


Displaying 17 - 17 of 23 results

Documents







Image	Document Type
 <p><b>2 TOOL ANGLED BACK LEFT LEG POCKET:</b></p> <ul style="list-style-type: none"> <li>- Clean finish angle edge of top pocket and bottom pocket opening with a 1/4" 2N chainstitch.</li> <li>- Both layers of pockets (angled top pocket &amp; bottom pocket) are set as one along sides &amp; bottom edge to create 2 COMPLETELY separate pockets.</li> <li>- Side &amp; bottom edges are clean finished with a 1/4" 2N lockstitch hem when pocket is set to garment.</li> <li>- Top edge of pocket is set 1/2" into bottom of left back rounded bottom pocket.</li> <li>- Left edge of pocket is set in the wearer's side seam.</li> <li>- Rivet set between 2N stitching on pocket at angle pocket opening edge.</li> <li>- Rivets must not sit on top of stitching.</li> <li>-Set rivets through all layers of fabric.</li> </ul> <p><b>**Measurements are for all sizes- Pocket does not grade.**</b></p> <p>last update 6-28-22</p>	<p>Style Illustrated Details</p>

Displaying 18 - 18 of 23 results

Documents

Image	Document Type
 <p data-bbox="336 974 504 1006"><b>Style # 104031</b></p> <p data-bbox="336 1023 504 1079">Our counter sealer sample image</p> <p data-bbox="661 941 1218 974">Note:- Storm flap stitch detail is below for your reference.</p> <ul data-bbox="661 998 1260 1088" style="list-style-type: none"> <li>- 2 ply shell fabric storm flap behind placket zipper at side legs</li> <li>- Flap attached in zipper 2N topstitching</li> <li>- No edgestitch outer edge of flap</li> </ul>	<p data-bbox="1585 284 1848 316">Style Illustrated Details</p>
<p data-bbox="31 1128 357 1161">Displaying 19 - 19 of 23 results</p>	

Documents

Image	Document Type
<p style="text-align: center;"><b>BIB OVERALLS</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>STEP 1 FOLD</b></p>  </div> <div style="text-align: center;"> <p><b>STEP 2 FOLD</b></p>  </div> <div style="text-align: center;"> <p><b>STEP 3 FOLD</b></p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p><b>STEP 4 FOLD</b></p>  </div> <div style="text-align: center;"> <p><b>STEP 5 FOLD</b></p>  </div> </div> <p style="text-align: center; color: red; font-weight: bold; margin-top: 10px;">***Please see Packaging Guide for packaging placement and D&amp;C page for polybag requirements</p> <p style="text-align: right; font-weight: bold; margin-top: 10px;">LAST UPDATED 5/8/2018</p>	<p>carhartt  Style Folding Guide Page</p>

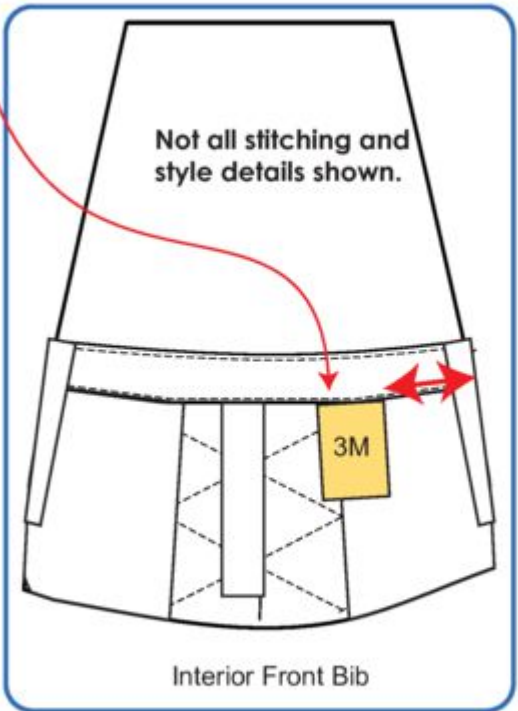
Displaying 20 - 20 of 23 results

Documents

Image	Document Type
<p style="text-align: center;"><b>Image</b></p> <p style="text-align: center;">Inside label placement for unlined bibs</p> <p style="text-align: center;">Inside Back</p> <p>Woven logo label (on <b>INSIDE</b> of garment):</p> <ul style="list-style-type: none"> <li>- Centered on inside back bib diamond, placement as shown in sketch.</li> <li>- Attached on all 4 sides with single needle edges - titch. (Stitching is not visible from outside of garment).</li> <li>- Flag label attached at bottom edge of woven label, centered on width of woven label. Place - ment must be straight.</li> </ul> <p>Care label (on <b>INSIDE</b> of garment):</p> <ul style="list-style-type: none"> <li>- Folded edge of label is sewn into back bib "armhole" hem, placement is measured from side opening seam as shown in sketch.</li> </ul> <p><b>ONLY IF REQUIRED ON BOM PAGE:</b></p> <ul style="list-style-type: none"> <li>DNY/BLK wash label</li> <li>- Attached on <b>INSIDE</b> of garment, underneath care label.</li> </ul> <p style="color: red;">This is a generic image. The styling details shown in the sketch may not exactly match the styling of the specific garment. This image is only to demonstrate labeling placement</p>	<p>Style Labeling Placement</p>

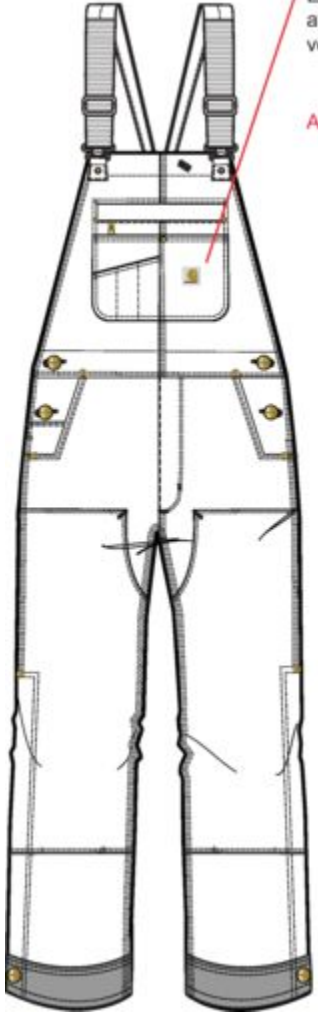
Displaying 21 - 21 of 23 results

Documents

Image	Document Type
<p data-bbox="504 284 1050 373"><b>3M LABEL:</b> Sewn into bottom of front <b>interior</b> waistband seam, placed 3" from wearer's right side seam.</p>  <p data-bbox="462 1185 1155 1307">This is a generic image. The styling details shown in the sketch may not exactly match the styling of the specific garment. This image is only to demonstrate labeling placement</p>	<p data-bbox="1596 284 1869 316">Style Labeling Placement</p>

Displaying 22 - 22 of 23 results

Documents

Image	Document Type
 <p data-bbox="640 284 1270 357">Exterior logo label: placed on bib pocket at wearer's left side, attached on all 4 sides with SN lockstitch. Centered horizontally and vertically on pocket.</p> <p data-bbox="640 406 1186 430">Also see other labeling page for more labeling information.</p> <p data-bbox="735 1242 850 1307">last update 1/7/22</p>	<p data-bbox="1585 284 1879 316">Style Labeling Placement</p>

Displaying 23 - 23 of 23 results



<b>Spec Data Sheet</b>	Construction Details - Outerwear Bib - Lined / Partial Lined	<b>Description</b>	Quality Spec- Woven Nylon Outerwear, Unlined/Partial Lined	<b>Spec Type</b>	Construction Details
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**Items**

<b>Spec Item</b>	<b>Description</b>	<b>Image</b>
<b>Construction (1)</b>		
Quality Spec- Woven Outerwear Bibs, Partial Lined/Lined	- For lining (if any) and shell both: - No raw edges, skipped stitches, or pleats. - All thread tails clipped to 1/4" or less. - Shell and lining stitches per inch 9 +/-1 unless otherwise noted. - Seam and overlock stitches per inch 11 +/-1 - All bartacks are 28 or 42 stitches unless otherwise noted. - If there is a lining, all seams internal between lining and shell unless otherwise noted. - Where there is no lining, all visible seams are neatly finished, or bound, with no raw edges showing.	
Displaying 1 group and 1 result		

<b>Carhartt Inc.</b>		<b>104031-M LseFit WshDck Ins Bib Overall</b>				<b>104031</b>		<b>Approved-Sample 4/19/24, 3:18 PM</b>					
<b>Company</b>	Carhartt	<b>Description</b>	Starting S24 2D Size Chart- Washed			<b>Base Size</b>	M Reg						
<b>Department</b>	Men's	<b>Size Range</b>	2D Men's Alpha			<b>Tolerance</b>	M Alpha & Numeric- Bulky						
<b>Season</b>	2025 Spring	<b>Selected Sizes</b>	S-6XL Short, S-6XL Reg, S-6XL Tall			<b>Grade Rule</b>	2D Men's Alpha Tops, Bottoms, Outerwear, One Piece						
<b>Category</b>	Outerwear					<b>Subtype</b>							
<b>Size Chart</b>	104031												

**POMs**

POM	Description	Tol (+)	Tol (-)	Length	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
900.01	Strap Total Length (except turnback) - Bibs	1/2	-1/2	Short	16 3/4	17 3/4	18 1/4	18 3/4	19 1/4	19 3/4	20 1/4	20 3/4	21 1/4
				Reg	16 3/4	17 3/4	18 1/4	18 3/4	19 1/4	19 3/4	20 1/4	20 3/4	21 1/4
				Tall	17 1/2	18 1/2	19	19 1/2	20	20 1/2	21	21 1/2	22
	Strap ELASTIC length (with 4" turnback set)	1/4	-1/4		8	8	8	8	8	8	8	8	8
900.03	Strap Turnback	1/8	-1/8		4	4	4	4	4	4	4	4	4
420.01.01	Bib Width - Front - at Top	1/4	-1/4		10 1/4	10 1/2	10 3/4	11	11 1/4	11 1/2	11 3/4	12	12 1/4
675.01.01	Bib Length - at Center Front	1/4	-1/4	Short	12 3/4	13 1/2	13 7/8	14 1/4	14 5/8	15	15 3/8	15 3/4	16 1/8
				Reg	13	13 3/4	14 1/8	14 1/2	14 7/8	15 1/4	15 5/8	16	16 3/8
				Tall	13 1/4	14	14 3/8	14 3/4	15 1/8	15 1/2	15 7/8	16 1/4	16 5/8
635.01	Waistband Height	1/8	-1/8		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
505.01	Waist (tops)	1 1/2	-1 1/2		35	39	43	47	51	55	59	63	67
655.03	Fly Width	1/8	-1/8		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2

Displaying 1 - 8 of 40 results Units: Fractions of inches Grade Rule Display: Absolute

POMs

POM	Description	Tol (+)	Tol (-)	Length	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
655.01	Fly Stitch Length	1/4	-1/4	Short	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
				Reg	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
				Tall	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
615.11	Front Rise - to Waist Join Seam	5/8	-5/8	Short	13 1/8	13 5/8	14 1/8	14 5/8	15 1/8	15 5/8	16 1/8	16 5/8	17 1/8
				Reg	13 5/8	14 1/8	14 5/8	15 1/8	15 5/8	16 1/8	16 5/8	17 1/8	17 5/8
				Tall	14 1/8	14 5/8	15 1/8	15 5/8	16 1/8	16 5/8	17 1/8	17 5/8	18 1/8
615.07	Back Rise - Top of Bib	1	-1	Short	26 3/4	27 1/2	28 1/4	29	29 3/4	30 1/2	31 1/4	32	32 3/4
				Reg	27 3/4	28 1/2	29 1/4	30	30 3/4	31 1/2	32 1/4	33	33 3/4
				Tall	28 3/4	29 1/2	30 1/4	31	31 3/4	32 1/2	33 1/4	34	34 3/4
525.00	Low Hip - X" from Crotch, Straight Across	1	-1		44	48	52	56	60	64	68	72	76
↳ X=4													
585.00	Thigh - At Crotch	3/4	-3/4		28 1/8	30 1/8	32 1/8	34 1/8	36 1/8	38 1/8	40 1/8	42 1/8	44 1/8
825.00	Knee Placement - from Crotch Seam or Center of Gusset	0	0	Short	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
				Reg	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2
				Tall	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2
590.00.05	Knee (Alpha)	1/2	-1/2		23	24	25	26	27	28	29	30	31
595.01.05	Leg Opening (Alpha)	1/2	-1/2		20 1/2	21	21 1/2	22	22 1/2	23	23 1/2	24	24 1/2

Displaying 9 - 16 of 40 results

Units: Fractions of inches Grade Rule Display: Absolute

POMs

POM	Description	Tol (+)	Tol (-)	Length	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
625.00	Inseam (Pants, Bibs, Coveralls)	1/2	-1/2	Short	29	29	29	29	29	29	29	29	29
				Reg	31	31	31	31	31	31	31	31	31
				Tall	33	33	33	33	33	33	33	33	33
975.00	Leg Overlay Height	1/8	-1/8		3	3	3	3	3	3	3	3	3
725.00	Hem Height	1/8	-1/8		1	1	1	1	1	1	1	1	1
	Hem Snap Placement Up from Bottom Edge	1/8	-1/8		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
620.00	Vertical Trunk BASE SIZE REFERENCE ONLY					35 1/2							
<b>Front Pockets</b>													
845.01	Front Pocket Opening Placement - along Waistband	1/4	-1/4		3	3	3	3	3	3	3	3	3
845.03	Front Pocket Opening Placement - along Side Seam	1/4	-1/4		6	6	6	6	6	6	6	6	6
845.05	Slash Pocket Ledge Width - Sideseam Edge to Corner	1/8	-1/8		2	2	2	2	2	2	2	2	2
837.01	Pocket Placement - Down from Bottom WB- (Watch/Coin)	1/4	-1/4		3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
950.01	Watch/Coin Pocket - Length	1/8	-1/8		5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
950.03	Watch/Coin Pocket - Width	1/8	-1/8		4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
955.01	Pocket Bag Length - Front Pant Pocket	1/4	-1/4		13	13	13	13	13	13	13	13	13
955.03	Pocket Bag Width - Front Pant Pocket	1/2	-1/2		6 1/4	7	7	7	7	7	7	7	7
<b>Back Pockets</b>													
855.03.02	Back Pocket (With Attachments) Placement - from Side Seam - at Top of Pocket	1/4	-1/4		2	2	2	2	2	2	2	2	2
835.09.02	Pocket Placement Down from Bottom Waistband - Back Pocket - Nearest to Side Seam	1/4	-1/4		4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2

Displaying 17 - 33 of 40 results

Units: Fractions of inches Grade Rule Display: Absolute

POMs

POM	Description	Tol (+)	Tol (-)	Length	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
930.01.03	Pocket Length - at Center (Bottoms)	1/8	-1/8		6	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
930.03.04	Pocket Width - at Top (Bottoms)	1/8	-1/8		6 1/4	7	7	7	7	7	7	7	7
<b>Leg details</b>													
965.01	Chap Length - Center	1/2	-1/2	Short	21 1/4	21 1/4	21 1/4	21 1/4	21 1/4	21 1/4	21 1/4	21 1/4	21 1/4
				Reg	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2
				Tall	23 3/4	23 3/4	23 3/4	23 3/4	23 3/4	23 3/4	23 3/4	23 3/4	23 3/4
827.07	Chap or Patch Placement - Up from Hem along Side Seam	1/4	-1/4	Short	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
				Reg	11	11	11	11	11	11	11	11	11
				Tall	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4
965.03.01	Chap Width - at Top	1/4	-1/4			8 1/2							
↳ BASE SIZE REF ONLY													
905.05.04	Placket Length/Placket Cover Length - Leg	1/2	-1/2	Short	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2
				Reg	17 1/2	17 1/2	17 1/2	17 1/2	17 1/2	17 1/2	17 1/2	17 1/2	17 1/2
				Tall	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2


Displaying 34 - 40 of 40 results

Units: Fractions of inches Grade Rule Display: Absolute

**Style #** 104031

**Style Description** Loose Fit Washed Duck Insulated Bib Overall

**Front\_Sketch**



**Back\_Sketch**



**Season** 2025 Spring

**Department** Men's

**Category** Outerwear

**Designer** Jillian Schopieray

**Product Developer** Carly Wright

**Technical Designer** Kelsey Leliaert

**Washed** ✓

**Placements**

Code	Product	Material Artwork Description	Supplier Quote	Supplier Code	UOM	Placement	Contractor Supplied	BLK-Black		BRN-Carhartt Brown		DKB-Dark Brown	
								Color	Qty by Color	Color	Qty by Color	Color	Qty by Color
<b>Fabric (6)</b>													
<b>Duck (1)</b>													
DU010	12oz Soft Duck		Vardhman Textiles Ltd.	A108A027 MKPT	yd	Shell fabric. (dye class changed to VAT for BRN)		BLK-Black	2.117	BRN-Carhartt Brown	2.117	DKB-Dark Brown	2.117
<b>Insulation (1)</b>													
SS066	80gm Type G 3M Insulation		3M Corp	Type G 80gm	yd	Lining		WHT-White		WHT-White		WHT-White	
<b>Interfacing (1)</b>													
PE016	1.8oz Fusible Interlining		Precision Custom Coating LLC	CR540	yd	interfacing - see illustrated details for placement		CHR-Charcoal		WHT-White		WHT-White	
<b>Pocketing (1)</b>													
PO010	4.9oz Pocketing - Non-NAFTA Greige		QST Industries - PAK/PAK Natural Colorway	PT230EI-67-NL	yd	Pocketing		NAT-Natural (NL)	0.206	NAT-Natural (NL)	0.206	NAT-Natural (NL)	0.206
<b>Taffeta (1)</b>													

Displaying 1 - 4 of 42 results

**Placements**

Code	Product	Material Artwork Description	Supplier Quote	Supplier Code	UOM	Placement	Contractor Supplied	BLK-Black		BRN-Carhartt Brown		DKB-Dark Brown	
								Color	Qty by Color	Color	Qty by Color	Color	Qty by Color
TF010	2oz Taffeta		Formosa Taffeta Co. Ltd. Zhongshan China plant SP23 and beyond	I52-0111A000 with plain dye only	yd	lining quilted to insulation		BLK-Black		BLK-Black		BLK-Black	
Nylon (1)													
NY004	6.9oz 500D Cordura Nylon PU Coating		A Textile Quote	500 DENIER CORDURA	yd	(2) Nylon Cordura Kick panel		BLK2-Black 2		BRN-Carhartt Brown		DKB-Dark Brown	
Labels (6)													
Printed Fabric Label (3)													
LA008	Printed Fabric Labels w/Satin Finish	SATIN-Satin	Avery Dennison		yd	Care Label for North America POs only			1		1		1
LA050	Printed Fabric Cut Label	PO/Season Label	Avery Dennison		ea	PO #/Season label- stack behind care label - for North America POs only			1		1		1
LA1040	Printed Fabric Labels w/DFS Finish Base Roll Kit 45mm width	SATROLL-45mm Satin Base Roll Kit	Avery Dennison		yd	Care Label for EMEA POs only			1		1		1
Woven Label (3)													

Displaying 5 - 9 of 42 results

**Placements**

Code	Product	Material Artwork Description	Supplier Quote	Supplier Code	UOM	Placement	Contractor Supplied	BLK-Black		BRN-Carhartt Brown		DKB-Dark Brown	
								Color	Qty by Color	Color	Qty by Color	Color	Qty by Color
LA713	3rd Party Supplier Woven Label	3MG - G Label - all weights	3M Corp	70-0717-0891-4	ea	label at garment interior			1		1		1
LA1237	Woven Label	CA5-#5 Woven Label 40mm x 40mm	Finotex/Shining Label Company		ea	Woven logo label at garment exterior - chest			1		1		1
LA1097	Center Back Woven Label with Fit	LOOSE - Loose Fit Vendor Specifies Size and COO	Finotex		ea	CB label		BLK-Black	1	BLK-Black	1	BLK-Black	1
<b>Packaging (5)</b>													
<b>Matchbook (1)</b>													
LA1091	Pocket Rider	104031- Loose Fit Washed Duck Insulated Bib Overall	Avery Dennison		ea	Pocket Rider			1		1		1
<b>Miscellaneous-Packaging (1)</b>													
601027	Bib Strap Size Label w Adhesive Back	OVER21-Insulated Bibs 'BUILT TO WEAR OVER LAYERS' SP'21	Avery Dennison		ea	Bib Strap "Fit" Label			1		1		1
<b>Polybag (1)</b>													
PB002	Single Pack Polybag with Suffocation Warning	Single Pack Polybag with Suffocation Warning	Factory	CLR LLDPE BAG	ea	polybag should fit fold size of garment, carton size, and standard case quantity		CLR-Clear	1	CLR-Clear	1	CLR-Clear	1

Displaying 10 - 15 of 42 results



**Placements**

Code	Product	Material Artwork Description	Supplier Quote	Supplier Code	UOM	Placement	Contractor Supplied	BLK-Black		BRN-Carhartt Brown		DKB-Dark Brown	
								Color	Qty by Color	Color	Qty by Color	Color	Qty by Color
<b>Sticker (1)</b>													
SK1052	Horizontal RFID Enabled UPC Sticker Blanks	RFID - Enabled UPC Sticker for Bottoms/Outerwear Styles	Avery Dennison		ea	UPC Sticker			1		1		1
<b>Swiftack/Packaging Attachment (1)</b>													
FA008	1/2" Plastic Swiftack Staple		Factory		ea	plastic staples		CLR-Clear	2	CLR-Clear	2	CLR-Clear	2
<b>Trim (25)</b>													
<b>Bar (1)</b>													
600132	1 3/4" Bib Hardware Bar		SX Industries	BA-40103-2400	ea	Bar for strap		ANI-Antique Nickel	2	ANT-Antique Brass	2	ANT-Antique Brass	2
<b>Burr (1)</b>													
BR023	13L Non-Logo 2-Prong Fastener Burr		YKK Snap Fasteners Asia		ea	Rivets at bib & double front pocket corners		ANI-Antique Nickel	18	ANT-Antique Brass	18	ANT-Antique Brass	18
<b>Buttons (1)</b>													
600575	30L Logo Shank Button		YKK Snap Fasteners Asia		ea	Buttons for side adjustment		ANI-Antique Nickel	4	ANT-Antique Brass	4	ANT-Antique Brass	4
<b>Elastic (1)</b>													
EL1031	1 5/8" Elastic Suspender Strap		AEC Narrow Fabrics	163-8194 Asian Sample	yd	Suspender webbing		N235-Black 235		B456-Brown 456		N235-Black 235	

Displaying 16 - 21 of 42 results

**Placements**

Code	Product	Material Artwork Description	Supplier Quote	Supplier Code	UOM	Placement	Contractor Supplied	BLK-Black		BRN-Carhartt Brown		DKB-Dark Brown	
								Color	Qty by Color	Color	Qty by Color	Color	Qty by Color
<b>Eye (1)</b>													
HE1000	Thicker Gauge Bib Eye		SX Industries	BK-40103B	ea	Bib hardware eye		ANI-Antique Nickel (BK-40104-B-1500)	2	ANT-Antique Brass (BK-40104-B-1200)	2	ANT-Antique Brass (BK-40104-B-1200)	2
<b>Fasteners (3)</b>													
FA040	2-Prong Steel Base Burr Fastener		YKK Snap Fasteners Asia		ea	Rivet fastener		STL-Steel	18	STL-Steel	18	STL-Steel	18
FA002	Metal Standard Shank Button Fastener		YKK Snap Fasteners Asia		ea	button fastener		ALU-Aluminum (301)	4	ALU-Aluminum (301)	4	ALU-Aluminum (301)	4
FA050	2-Prong Brass Base Standard Snap Fastener		YKK Snap Fasteners Asia	512-0000	ea	Snap at bottom hem side leg zipper		ANI-Antique Nickel (X22)	2	ANT-Antique Brass (346)	2	ANT-Antique Brass (346)	2
<b>Frame (1)</b>													
600131	1 3/4" Bib Hardware Frame		SX Industries	RN-40102-2400	ea	Frame for strap		ANI-Antique Nickel (1500)	2	ANT-Antique Brass (1200)	2	ANT-Antique Brass (1200)	2
<b>Hook (1)</b>													

Displaying 22 - 26 of 42 results

**Placements**

Code	Product	Material Artwork Description	Supplier Quote	Supplier Code	UOM	Placement	Contractor Supplied	BLK-Black		BRN-Carhartt Brown		DKB-Dark Brown	
								Color	Qty by Color	Color	Qty by Color	Color	Qty by Color
HO1000	Thicker Gauge Logo'd Bib Hook		SX Industries	BK-40101B	ea	Bib hardware hook		ANI-Antique Nickel (BK-40101-B-1500)	2	ANT-Antique Brass (BK-40101-B-1200)	2	ANT-Antique Brass (BK-40101-B-1200)	2
Snap (1)													
SN050	24L Logo Snap Cap		YKK Snap Fasteners Asia	607-2498	ea	Snap at bottom hem side leg zipper		ANI-Antique Nickel	2	ANT-Antique Brass	2	ANT-Antique Brass	2
Socket (1)													
SC050	24L Snap Socket		YKK Snap Fasteners Asia	568-0000	ea	Snap at bottom hem side leg zipper		ANI-Antique Nickel	2	ANT-Antique Brass	2	ANT-Antique Brass	2
Stud (1)													
ST050	24L Snap Stud		YKK Snap Fasteners Asia	981-0000	ea	Snap at bottom hem side leg zipper		ANI-Antique Nickel (X22)	2	ANT-Antique Brass (346)	2	ANT-Antique Brass (346)	2
Thread (5)													
TH006	T-60 Poly Core Poly Wrapped Thread		American & Efird Inc.	T-60 Perma Core	yd	main topstitching		BLK-Black (W32002)		CBN-Carbrown (W43058)		CLB-Colonial Brown (W32304)	

Displaying 27 - 31 of 42 results

**Placements**

Code	Product	Material Artwork Description	Supplier Quote	Supplier Code	UOM	Placement	Contractor Supplied	BLK-Black		BRN-Carhartt Brown		DKB-Dark Brown	
								Color	Qty by Color	Color	Qty by Color	Color	Qty by Color
TH006	T-60 Poly Core Poly Wrapped Thread		American & Efird Inc.	T-60 Perma Core	yd	pocket bag thread							
TH006	T-60 Poly Core Poly Wrapped Thread		American & Efird Inc.	T-60 Perma Core	yd	label attach		SLV-Silver (W32020)		SLV-Silver (W32020)		SLV-Silver (W32020)	
TH015	T-35 Textured Polyester Thread		American & Efird Inc.	T-35 Wildcat	yd	Bobbin/looper		BLK-Black (W32002)		CBN-Carbrown (W43058)		CLB-Colonial Brown (W32304)	
TH033	T-180 Cotton Thread		American & Efird Inc.	T-180 Anecot Soft	yd	Buttonhole Gimp		BLK-Black (W32002)		CBN-Carbrown (W43058)		CLB-Colonial Brown (W32304)	
<b>Trim Fabric (1)</b>													
600741	7" Knit Elastic Stretch Panel		AEC Narrow Fabrics	AEC3800	yd	Elastic at side adjustment		BLK-Black		BRN-Carhartt Brown		BLK-Black	
<b>Zipper (6)</b>													
ZP1054	#5 ANT CE Zipper w/ 600681 Slider		YKK Zippers Asia	RGKBC-51 DFCAR37 I	ea	Leg zipper ANT-Carhartt Brown/Dark Brown shells			2	*MAT*-Matching	2	*MAT*-Matching	2

Displaying 32 - 37 of 42 results

**Placements**

Code	Product	Material Artwork Description	Supplier Quote	Supplier Code	UOM	Placement	Contractor Supplied	BLK-Black		BRN-Carhartt Brown		DKB-Dark Brown	
								Color	Qty by Color	Color	Qty by Color	Color	Qty by Color
600841	#8 Nylon Coil CE Zipper w ANI Swing Logo Pull		YKK Zippers Asia	CFC-86 DACAR35 H3	ea	Bib Pocket Zipper		*MAT*- Matching	1		1		1
ZP137	#5 Antique Brass CE Bottom Zipper w Semi AL GSN6 Slider		YKK Zippers Asia	RGKBC-59GSN6 I	ea	Fly zipper ANT-BRN/DKB Shells			1	*MAT*- Matching	1	*MAT*- Matching	1
ZP1053	#5 ANI CE Zipper w/ 600681 Slider		YKK Zippers Asia	RGTHC-51 DFCAR37 H3	ea	Leg zipper ANI-Black shell		*MAT*- Matching	2		2		2
ZP031	#5 Antique Nickel Bottom Zipper Semi AL GSN6 Puller		YKK Zippers Asia	RGTHC-59GSN6 H3 Kensin N-Anti	ea	Fly zipper ANI-BLK Shells		*MAT*- Matching	1		1		1
600842	#8 Nylon Coil CE Zipper w ANT Swing Logo Pull		YKK Zippers Asia	CFC-86 DACAR35 I	ea	Bib Pocket zipper			1	*MAT*- Matching	1	*MAT*- Matching	1

Displaying 38 - 42 of 42 results

**Composition**

---

100% Cotton  
(1) Shell  
✓  
12oz Soft Duck

100% Polyester  
(2) Lining (3) Filling

80gm Type G 3M Insulation

**Care Instructions**

Care Label	Description	Care Type
Care Label J	Exclusive Trimming, Close All Zippers, Machine Wash Cold Like Colors, Non-Chlorine Bleach, Tumble Dry Low, Do Not Use Fabric Softeners, Cool Iron, Do Not Dry Clean	All Care

Displaying 1 result