



Club Access Hybrid Pant

Name	Club Access Hybrid Pant
Style No.	CA001
Description	Short/pant hybrid for lower limb amptees
Division	AM475 - SU2021
Season	SU2021
Year	2020-2021
Size Scale	M -Sample size

- XS
 S
 M
 L
 XL

AM475 ONLY - Student Name	Colin Humphreys
Factory	To Be Determined
COO	Vietnam
Main Fabric	Cotton
New/Carryover	New Style
Style Status	In Development
Sample Development Status	1st Sample
MSRP	79.97
Target Cost	15.91
Target Margin (%)	60
MOQ	3000/style/color
Leadtime	90 Days
Created by/Author	06-10-2021 Colin Humphreys chumps@rams.colostate.edu



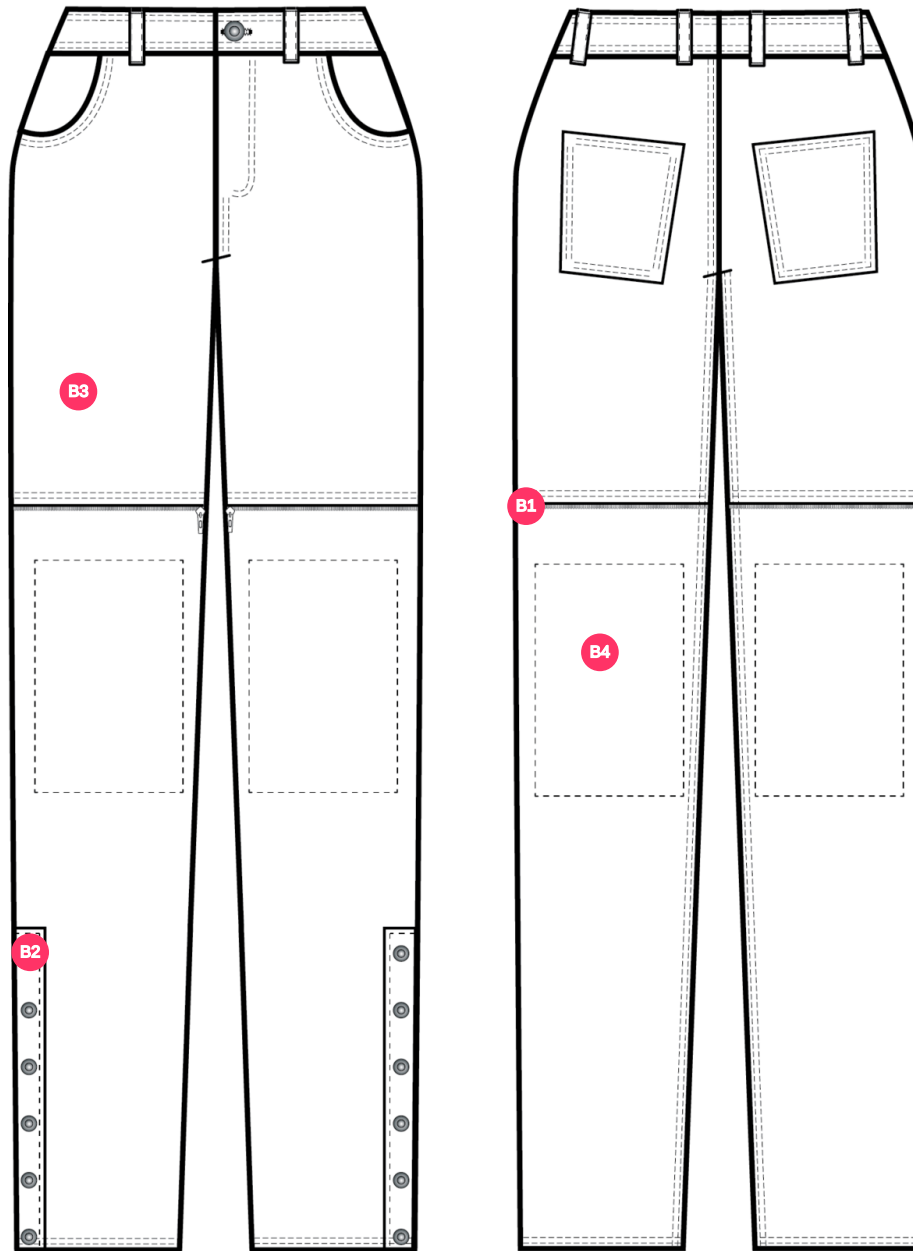
- Riverside HP
Custom Code: 17-4028 TCX
Hybrid Backbone_Colorway A_0



- Sharkskin HP
Custom Code: 17-3914 TCX
Hybrid Backbone_Colorway A Copy 1_1



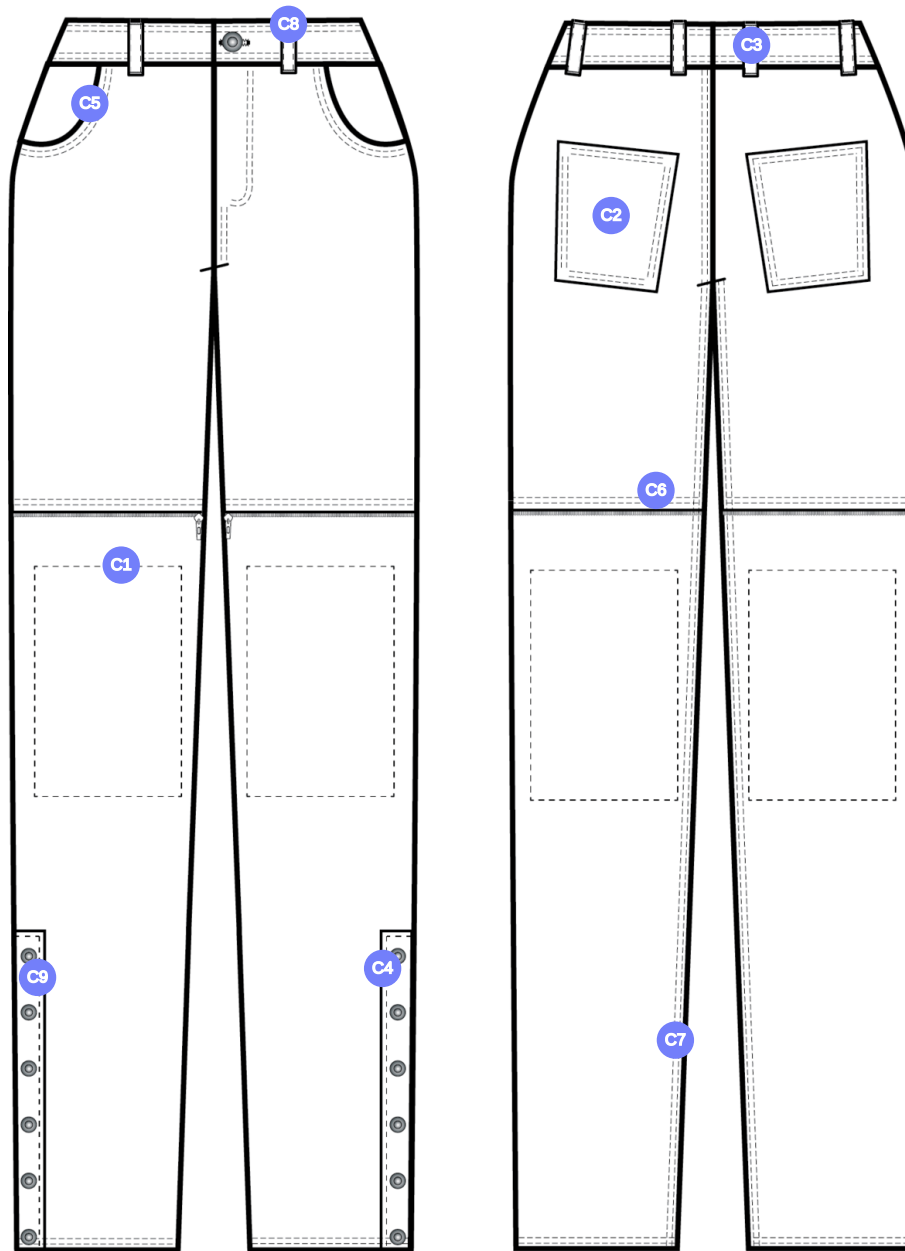
● Soybean HP
Custom Code: 13-0919 TCX
Hybrid Backbone_Colorway A Copy 2_2



HybridPant (copy)

Components (4)

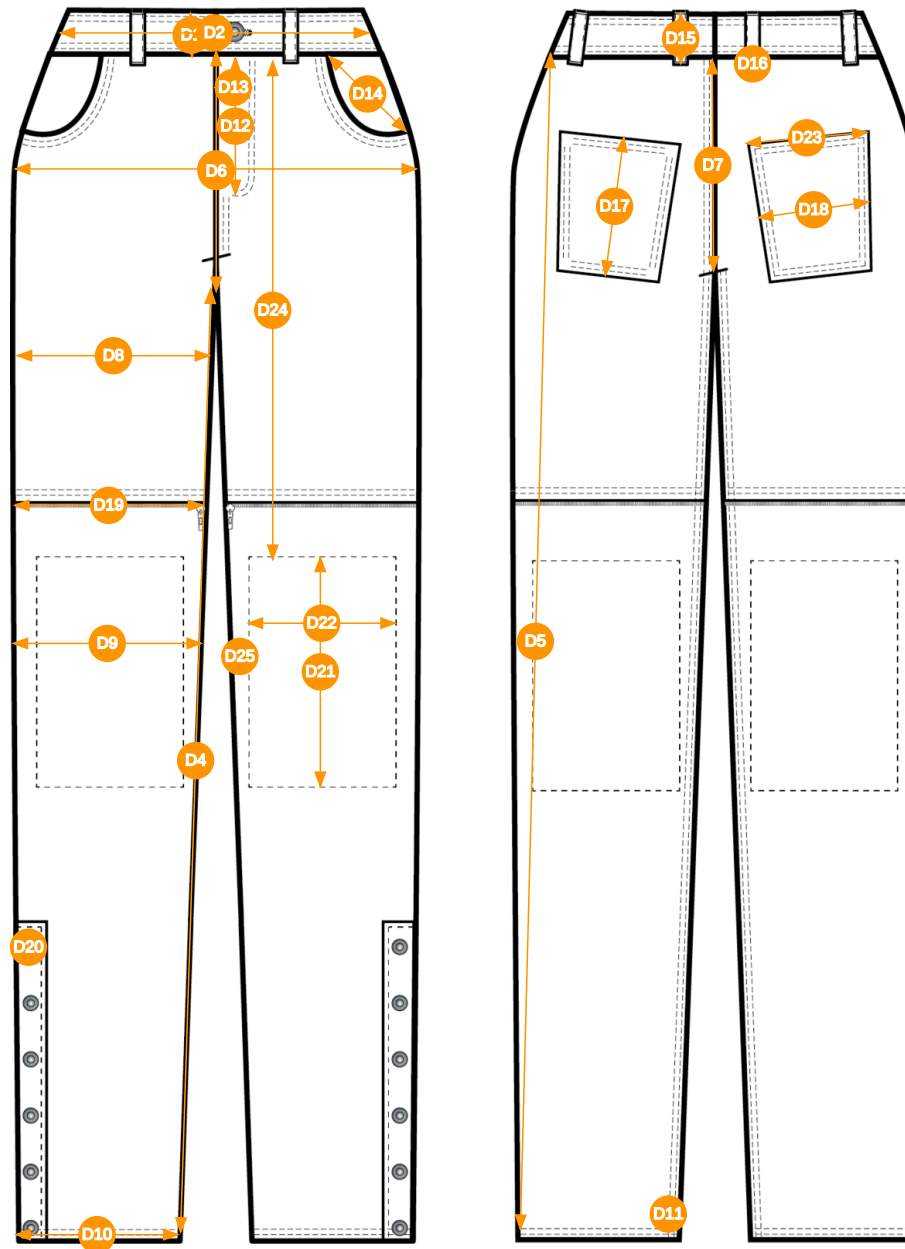
- B1** YKK Soft Touch Zipper - Colin
- B2** Metal Snap Buttons - Colin
- B3** Heavy Cotton Twill - Colin
- B4** Nylon Lightweight Ripstop - Colin



HybridPant (copy) (copy)

Construction Details (9)

- C1** 301 topstitch
- C2** Patch Pocket Set-In
- C3** Belt Loop
- C4** Outseam Plcaket
- C5** Pant Pocket Openng
- C6** 406 Coverstitch
- C7** 406 Coverstitch
- C8** Bartack
- C9** 1/8" 301 Lockstitch



HybridPant (copy) (copy) (copy)

Points of measure (25)

- D1** Waistband Depth
- D2** Waistband Width Circumference (woven)
- D3** Hip Seat Width Circumference (woven pant)
- D4** Inseam
- D5** Outseam
- D6** Front Rise
- D7** Back Rise
- D8** Thigh Width Circumference (woven)
- D9** Knee Width Circumference (Woven)
- D10** Leg Opening Width Circumference (Woven)
- D11** Cuff Height Pants
- D12** Fly Zipper Length
- D13** Fly Zipper Width
- D14** Pocket Opening Within a Seam
- D15** Belt Loop Length
- D16** Belt Loop Width
- D17** Back Bottom Pocket Vertical
- D18** Back Bottom Pocket Horizontal
- D19** Knee Zipper Length
- D20** Button Placement Pants
- D21** Knee Guard Height
- D22** Knee Guard Width
- D23** Pocket Opening
- D24** Knee Guard Placement Vertical
- D25** Horizontal Knee Guard Placement



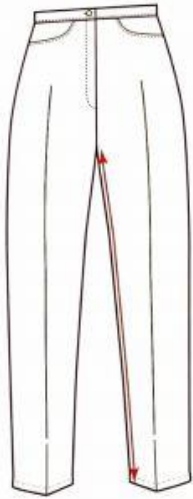
COMPONENT	QTY	SUPPLIER	COO	RIVERSIDE HP CODE: 17-4028 TCX	SHARKSKIN HP CODE: 17-3914 TCX	SOYBEAN HP CODE: 13-0919 TCX	
FABRIC / BODY							
1	Heavy Cotton Twill - Colin CODE: S1y1T Placement: all over Notes: N/A Status : In Development Content (Fiber Content): 98% Cotton 2% Spandex Fabric Width: 56" Weight (GSM): 255 Dye Method: Piece Dyed AM475 - Student Name: Colin Humphreys	1.033272 /m	To Be Determined	China	- Riverside HP Custom Code: 17-4028 TCX Price: \$2.12	- Sharkskin HP Custom Code: 17-3914 TCX Price: \$2.12	- Soybean HP Custom Code: 13-0919 TCX Price: \$2.12
2	Nylon Lightweight Ripstop - Colin CODE: NY001 Placement: sewn under cotton front and back knee Notes: N/A Status : In Development Content (Fiber Content): 100% Nylon Fabric Width: 58" Weight (GSM): 86 Finishes: Silicone coated Dye Method: Piece Dyed AM475 - Student Name: Colin Humphreys	0.2286 /m	To Be Determined	China	- Riverside HP Custom Code: 17-4028 TCX Price: \$1.72	- Sharkskin HP Custom Code: 17-3914 TCX Price: \$1.72	- Soybean HP Custom Code: 13-0919 TCX Price: \$1.72
TRIM							
3	Fty Supply Thread CODE: zoSG08 Placement: all over Notes: N/A Status : In Development Content (Fiber Content): polyester Finishes: N/A Dye Method: Piece Dyed Size: TBD	1 /kg	SML	USA	- DTM Price: \$0.08	- DTM Price: \$0.08	- DTM Price: \$0.08
4	Metal Snap Buttons - Colin CODE: SB001 Placement: Bottom out seam Notes: N/A Status : In Development Content (Fiber Content): Metal Finishes: Powder Coated DTM Dye Method: N/A Size: 15 mm AM475 - Student Name: Colin Humphreys	12 /Pieces	To Be Determined	China	- Riverside HP Custom Code: 17-4028 TCX Price: \$0.02	- Sharkskin HP Custom Code: 17-3914 TCX Price: \$0.02	- Soybean HP Custom Code: 13-0919 TCX Price: \$0.02
5	YKK Soft Touch Zipper - Colin CODE: oyt50 Placement: 7 in down from the inseam to zip into shorts Notes: N/A Status : In Development Content (Fiber Content): Nylon Finishes: N/A Dye Method: N/A Size: 5 AM475 - Student Name: Colin Humphreys	2 /Pieces	YKK	China	- Riverside HP Custom Code: 17-4028 TCX Price: \$0.15	- Sharkskin HP Custom Code: 17-3914 TCX Price: \$0.15	- Soybean HP Custom Code: 13-0919 TCX Price: \$0.15
LABELS/PACKAGING							
6	Recyclable Mailer Poly Bag - Colin CODE: WTKLz Placement: for post production safe transportation Notes: N/A Status : In Development Content (Fiber Content): Polyethaline Finishes: N/A Dye Method: N/A Size: 28 x 28 cm AM475 - Student Name: Colin Humphreys	1 /Pieces	To Be Determined	China	- Recyclable Mailer Poly Bag - Colin- WTKLz n/a Price: \$0.04	- Recyclable Mailer Poly Bag - Colin- WTKLz n/a Price: \$0.04	- Recyclable Mailer Poly Bag - Colin- WTKLz n/a Price: \$0.04
7	Recycled Hanqtag Colin CODE: HT00 Placement: recycled cardstock hanqtag Notes: N/A Status : In Development Content (Fiber Content): Recycled Cardstock Weight (GSM): 150 Finishes: Matte Dye Method: N/A Size: 1.5 x 3 In AM375 - Student Name: Colin Humphreys	1 /Pieces	To Be Determined	China	- Recycled Hanqtag Colin- HT00 n/a Price: \$0.08	- Recycled Hanqtag Colin- HT00 n/a Price: \$0.08	- Recycled Hanqtag Colin- HT00 n/a Price: \$0.08
8	Cardboard Box Eco - Colin CODE: B1 Placement: eco friendly box for shipping Notes: N/A Status : In Development Content (Fiber Content): N/A Finishes: N/A Dye Method: N/A Size: 14 x 12 AM475 - Student Name: Colin Humphreys	1 /Pieces	To Be Determined	China	- Cardboard Box Eco - Colin- B1 n/a Price: \$0.3	- Cardboard Box Eco - Colin- B1 n/a Price: \$0.3	- Cardboard Box Eco - Colin- B1 n/a Price: \$0.3



Club Access Hybrid Pant - Style #CA001

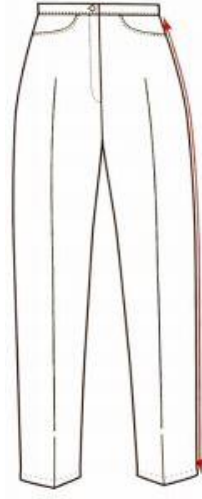
SU2021, 2020-2021, AM475 - SU2021

COMPONENT		QTY	SUPPLIER	COO	RIVERSIDE HP CODE: 17-4028 TCX	SHARKSKIN HP CODE: 17-3914 TCX	SOYBEAN HP CODE: 13-0919 TCX
9	Lop Fastener - Colin CODE: F1 Placement: Lop fastener for hangtag on CB neck Notes: N/A Status : In Development Content (Fiber Content): Plastic Finishes: N/A Dye Method: N/A Size: 2.5 in AM475 - Student Name: Colin Humphreys	1 /Pieces	To Be Determined	China	- Lop Fastener - Colin- F1 n/a Price: \$0.001	- Lop Fastener - Colin- F1 n/a Price: \$0.001	- Lop Fastener - Colin- F1 n/a Price: \$0.001
10	Care Label Colin CODE: L001 Placement: Canter back of the waistband Notes: N/A Status : In Development Content (Fiber Content): Polyester Finishes: N/A Dye Method: N/A Size: 3.5 x 10.5 cm	1 /Pieces	To Be Determined	China	- Care Label Colin- L001 n/a Price: \$0.01	- Care Label Colin- L001 n/a Price: \$0.01	- Care Label Colin- L001 n/a Price: \$0.01
11	Garment Tag - Colin CODE: T001 Placement: CB waistband above care label Notes: N/A Status : In Development Content (Fiber Content): Cloth Finishes: straight cut Dye Method: N/A Size: .5 x 1.5 in AM475 - Student Name: Colin Humphreys	1 /Pieces	To Be Determined	China	- Pirate Black J Custom Code: 19-4305 TCX Price: \$0.05	- Pirate Black J Custom Code: 19-4305 TCX Price: \$0.05	- Pirate Black J Custom Code: 19-4305 TCX Price: \$0.05
Components 11					Total \$3.25	Total \$3.25	Total \$3.25



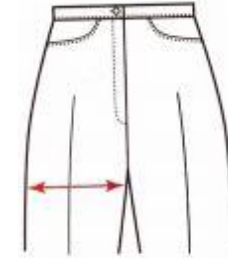
105.

Inseam



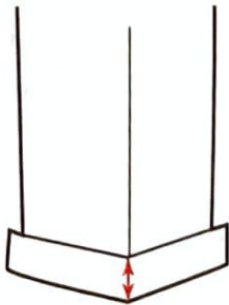
106.

Outseam



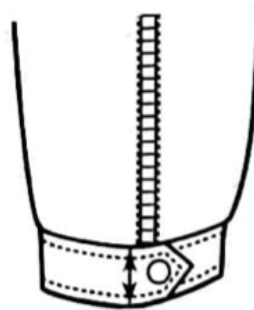
110.

Thigh Width Circumference (Woven)



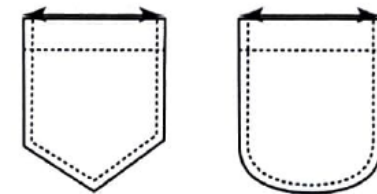
119.

Cuff Height Pants



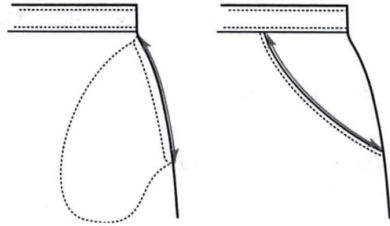
120.

Fly Zipper Length



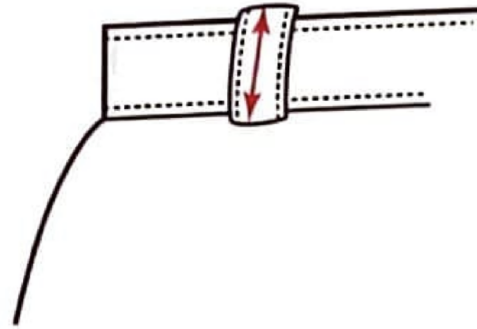
126.

Applied Pocket Width



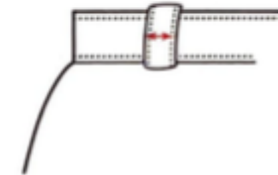
127.

Pocket Opening Within A Seam



130.

Belt Loop Length



131.

Belt Loop Width



148e.

Back Bottom Pocket Vertical



148f.

Back Bottom Pocket Horizontal



128.

Applied Pocket Height



Sample Size: M

POINT OF MEASURE	CODE	HOW TO MEASURE	CRITICAL	TYPE	TOLERANCE	XS	S	M	L	XL
Waistband Depth	81	Measure from top of waistband edge straight down to bottom of waistband at waistband joining seam. [Note: If waistband is contoured, indicate measurement change on spec sheet.]	false	Full	0 in	0 in	0 in	1 3/8 in	0 in	1/8 in
Waistband Width Circumference (woven)	83	Measure from side of bottom band to side of bottom band along center of band, following natural contour of waistband. Reporting half of the circumference measurement.	false	Half	3/4 in	-1 in	-2 in	16 1/2 in	2 in	2 in
Hip Seat Width Circumference (woven pant)	93	Measure from edge of garment/side seam to edge of garment/side seam at a point up from crotch seam, following contour of waist. Reporting half of the circumference measurement.	true	Half	1 in	0 in	0 in	19 5/8 in	0 in	0 in
Inseam	105	Measure from crotch joining seam to bottom of leg opening, following inseam/inner fold	true	Half	3/8 in	-1/4 in	-1/4 in	31 in	1/4 in	1/4 in
Outseam	106	Measure from bottom edge of waistband/seam to bottom of garment along side seam/fold	true	Half	3/8 in	-1/4 in	-1/4 in	39 1/4 in	1/4 in	1/4 in
Front Rise	107	Measure from bottom edge of waistband/seam to crotch joining seam, following curve of front rise seam	false	Full	3/8 in	-3/4 in	-3/4 in	10 1/2 in	3/4 in	3/4 in
Back Rise	108	Measure from bottom edge of waistband/seam to crotch joining seam, following curve of back rise seam.	false	Full	3/8 in	-3/4 in	-3/4 in	14 3/4 in	3/4 in	3/4 in
Thigh Width Circumference (woven)	110	Measure from pant leg edge/seam to pant leg edge/seam straight across pant leg @ 1" below crotch and parallel to leg opening. Reporting half of the circumference measurement.	false	Half	1/2 in	-1/2 in	-1/2 in	11 1/2 in	1/2 in	1/2 in
Knee Width Circumference (Woven)	112	Measure from pant leg edge/seam to pant leg edge/seam at a point one-half of inseam and parallel to leg opening. Reporting half of the circumference measurement. (Note 1: If leg opening is asymmetrical, measure to a point that would be parallel to leg opening. Note 2: If pant leg is three-quarter length, indicate point of measure on spec sheet. Note 3: A general knee measurement from crotch seam of misses/women's 14", juniors 13", or large/plus women's sized 15" can be used. Indicate change on spec sheet. Measure children's at one-half inseam minus 1 1/2", and for men's minus 2")	true	Half	1 in	-3/4 in	-3/4 in	9 1/8 in	1 in	1 in
Leg Opening Width Circumference (Woven)	114	Measure from pant leg edge/seam to pant edge/seam straight across bottom edge of leg opening. Reporting half of the circumference measurement. (Note: If leg opening is contoured, follow contour and indicate measurement change on spec sheet).	true	Half	1/4 in	-1/2 in	-1/2 in	8 in	3/4 in	3/4 in
Cuff Height Pants	119	Measure from top of cuff edge straight down to bottom of cuff fold and leg opening.	true	Half	0 in	0 in	0 in	1 in	0 in	1/8 in



Fly Zipper Length	121A	Measure from top of fly/zipper opening straight down to bottom of fly/zipper opening at zipper stop or bar tack.	true	Full	0 in	0 in	0 in	6 1/2 in	0 in	1/4 in
Fly Zipper Width	121B	Measure top of fly/zipper at joining seam from edge/fold straight across.	true	Full	0 in	0 in	0 in	1 1/4 in	0 in	1/8 in
Applied Pocket Width	126	Measure from side of pocket to side of pocket along top edge of pocket (Note: For contoured or irregularly shaped pockets, take a second measurement and indicate point of measure in spec sheet.)	true	Full	0 in	0 in	0 in	6 in	0 in	1/8 in
Pocket Opening Within a Seam	127	Measure from top of pocket to bottom along edge of pocket opening	true	Full	0 in	0 in	0 in	5 1/2 in	0 in	0 in
Belt Loop Length	130	Measure from top of belt loop straight down/vertically to bottom of belt loop along center of belt loop. (Note: Fashion-forward or irregularly shaped belt loops may require further spec instructions. Indicate points of measure on spec sheet.)	true	Full	0 in	0 in	0 in	2 1/2 in	0 in	1/8 in
Belt Loop Width	131	Measure belt loop from edge of belt loop straight across / horizontally to edge of belt loop. (Note: Fashion-forward or irregularly shaped belt loops may require further spec instructions. Indicate point of measure on spec sheet.)	true	Full	0 in	0 in	0 in	1/2 in	0 in	1/8 in
Back Bottom Pocket Vertical	148E	Measure from waistband/joining seam/edge straight down to top edge of pocket.	false	Full	0 in	0 in	0 in	2 1/2 in	0 in	1/8 in
Back Bottom Pocket Horizontal	148F	Measure from center back straight across to side pocket at top edge.	false	Full	0 in	0 in	0 in	2 1/8 in	0 in	1/8 in
Knee Zipper Length	CH1	Measure th length of the zipper that resides 7in down the inseam that allows for pants to zip into shorts	true	Half	1/2 in	-1/2 in	-1/2 in	10 1/2 in	1/2 in	1/2 in
Button Placement Pants	CH2	Measure each button up from the hem of the pants to allow for a bottom opening.	true	Full	0 in	0 in	0 in	0 in	0 in	1/8 in
Knee Guard Height	CH4	Placement of knee guard ripstop from the bottom edge of the back pocket	true	Full	1/8 in	-1/4 in	-1/4 in	11 in	1/4 in	1/4 in
Knee Guard Width	CH5	Placement of knee guard in away from the inseam of the pant leg	true	Full	1/8 in	-3/8 in	-3/8 in	8 1/2 in	1/2 in	1/2 in
Applied Pocket Height	125	Measure from top pocket edge down to bottom pocket edge.	true	Full	0 in	0 in	0 in	6 in	0 in	1/8 in
Pocket Opening	010		true	Full	0 in	0 in	0 in	6 1/4 in	0 in	1/4 in
Knee Guard Placement Vertical	CH-1	Measure from bottom of waistband to top of the knee guard seam	true	Full	1/8 in	0 in	0 in	16 in	0 in	0 in
Horizontal Knee Guard Placement	CH-2	Measure from inseam to closest edge of the knee guard	true	Full	1/8 in	0 in	0 in	1 in	0 in	0 in
Knee Guard Placement Vertical	CH-1	Measure from bottom of waistband to top of the knee guard seam	true	Full	1/8 in	0 in	0 in	16 in	0 in	0 in
Horizontal Knee Guard Placement	CH-2	Measure from inseam to closest edge of the knee guard	true	Full	1/8 in	0 in	0 in	1 in	0 in	0 in



Sample Size: M

POINT OF MEASURE	CODE	HOW TO MEASURE	CRITICAL	TYPE	TOLERANCE	XS	S	M	L	XL
Waistband Depth	81	Measure from top of waistband edge straight down to bottom of waistband at waistband joining seam. [Note: If waistband is contoured, indicate measurement change on spec sheet.]	false	Full	0 in	1 3/8 in	1 3/8 in	1 3/8 in	1 3/8 in	1 1/2 in
Waistband Width Circumference (woven)	83	Measure from side of bottom band to side of bottom band along center of band, following natural contour of waistband. Reporting half of the circumference measurement.	false	Half	3/4 in	13 1/2 in	14 1/2 in	16 1/2 in	18 1/2 in	20 1/2 in
Hip Seat Width Circumference (woven pant)	93	Measure from edge of garment/side seam to edge of garment/side seam at a point up from crotch seam, following contour of waist. Reporting half of the circumference measurement.	true	Half	1 in	19 5/8 in	19 5/8 in	19 5/8 in	19 5/8 in	19 5/8 in
Inseam	105	Measure from crotch joining seam to bottom of leg opening, following inseam/inner fold	true	Half	3/8 in	30 1/2 in	30 3/4 in	31 in	31 1/4 in	31 1/2 in
Outseam	106	Measure from bottom edge of waistband/seam to bottom of garment along side seam/fold	true	Half	3/8 in	38 3/4 in	39 in	39 1/4 in	39 1/2 in	39 3/4 in
Front Rise	107	Measure from bottom edge of waistband/seam to crotch joining seam, following curve of front rise seam	false	Full	3/8 in	9 in	9 3/4 in	10 1/2 in	11 1/4 in	12 in
Back Rise	108	Measure from bottom edge of waistband/seam to crotch joining seam, following curve of back rise seam.	false	Full	3/8 in	13 1/4 in	14 in	14 3/4 in	15 1/2 in	16 1/4 in
Thigh Width Circumference (woven)	110	Measure from pant leg edge/seam to pant leg edge/seam straight across pant leg @ 1" below crotch and parallel to leg opening. Reporting half of the circumference measurement.	false	Half	1/2 in	10 1/2 in	11 in	11 1/2 in	12 in	12 1/2 in
Knee Width Circumference (Woven)	112	Measure from pant leg edge/seam to pant leg edge/seam at a point one-half of inseam and parallel to leg opening. Reporting half of the circumference measurement. (Note 1: If leg opening is asymmetrical, measure to a point that would be parallel to leg opening. Note 2: If pant leg is three-quarter length, indicate point of measure on spec sheet. Note 3: A general knee measurement from crotch seam of misses/women's 14", juniors 13", or large/plus women's sized 15" can be used. Indicate change on spec sheet. Measure children's at one-half inseam minus 1 1/2", and for men's minus 2")	true	Half	1 in	7 5/8 in	8 3/8 in	9 1/8 in	10 1/8 in	11 1/8 in
Leg Opening Width Circumference (Woven)	114	Measure from pant leg edge/seam to pant edge/seam straight across bottom edge of leg opening. Reporting half of the circumference measurement. (Note: If leg opening is contoured, follow contour and indicate measurement change on spec sheet).	true	Half	1/4 in	7 in	7 1/2 in	8 in	8 3/4 in	9 1/2 in



Cuff Height Pants	119	Measure from top of cuff edge straight down to bottom of cuff fold and leg opening.	true	Half	0 in	1 in	1 in	1 in	1 in	1 1/8 in
Fly Zipper Length	121A	Measure from top of fly/zipper opening straight down to bottom of fly/zipper opening at zipper stop or bar tack.	true	Full	0 in	6 1/2 in	6 1/2 in	6 1/2 in	6 1/2 in	6 3/4 in
Fly Zipper Width	121B	Measure top of fly/zipper at joining seam from edge/fold straight across.	true	Full	0 in	1 1/4 in	1 1/4 in	1 1/4 in	1 1/4 in	1 3/8 in
Applied Pocket Width	126	Measure from side of pocket to side of pocket along top edge of pocket (Note: For contoured or irregularly shaped pockets, take a second measurement and indicate point of measure in spec sheet.)	true	Full	0 in	6 in	6 in	6 in	6 in	6 1/8 in
Pocket Opening Within a Seam	127	Measure from top of pocket to bottom along edge of pocket opening	true	Full	0 in	5 1/2 in	5 1/2 in	5 1/2 in	5 1/2 in	5 1/2 in
Belt Loop Length	130	Measure from top of belt loop straight down/vertically to bottom of belt loop along center of belt loop. (Note: Fashion-forward or irregularly shaped belt loops may require further spec instructions. Indicate points of measure on spec sheet.)	true	Full	0 in	2 1/2 in	2 1/2 in	2 1/2 in	2 1/2 in	2 5/8 in
Belt Loop Width	131	Measure belt loop from edge of belt loop straight across / horizontally to edge of belt loop. (Note: Fashion-forward or irregularly shaped belt loops may require further spec instructions. Indicate point of measure on spec sheet.)	true	Full	0 in	1/2 in	1/2 in	1/2 in	1/2 in	5/8 in
Back Bottom Pocket Vertical	148E	Measure from waistband/joining seam/edge straight down to top edge of pocket.	false	Full	0 in	2 1/2 in	2 1/2 in	2 1/2 in	2 1/2 in	2 5/8 in
Back Bottom Pocket Horizontal	148F	Measure from center back straight across to side pocket at top edge.	false	Full	0 in	2 1/8 in	2 1/8 in	2 1/8 in	2 1/8 in	2 1/4 in
Knee Zipper Length	CH1	Measure th length of the zipper that resides 7in down the inseam that allows for pants to zip into shorts	true	Half	1/2 in	9 1/2 in	10 in	10 1/2 in	11 in	11 1/2 in
Button Placement Pants	CH2	Measure each button up from the hem of the pants to allow for a bottom opening.	true	Full	0 in	0 in	0 in	0 in	0 in	1/8 in
Knee Guard Height	CH4	Placement of knee guard ripstop from the bottom edge of the back pocket	true	Full	1/8 in	10 1/2 in	10 3/4 in	11 in	11 1/4 in	11 1/2 in
Knee Guard Width	CH5	Placement of knee guard in away from the inseam of the pant leg	true	Full	1/8 in	7 3/4 in	8 1/8 in	8 1/2 in	9 in	9 1/2 in
Applied Pocket Height	125	Measure from top pocket edge down to bottom pocket edge.	true	Full	0 in	6 in	6 in	6 in	6 in	6 1/8 in
Pocket Opening	010		true	Full	0 in	6 1/4 in	6 1/4 in	6 1/4 in	6 1/4 in	6 1/2 in
Knee Guard Placement Vertical	CH-1	Measure from bottom of waistband to top of the knee guard seam	true	Full	1/8 in	16 in	16 in	16 in	16 in	16 in
Horizontal Knee Guard Placement	CH-2	Measure from inseam to closest edge of the knee guard	true	Full	1/8 in	1 in	1 in	1 in	1 in	1 in
Knee Guard Placement Vertical	CH-1	Measure from bottom of waistband to top of the knee guard seam	true	Full	1/8 in	16 in	16 in	16 in	16 in	16 in
Horizontal Knee Guard Placement	CH-2	Measure from inseam to closest edge of the knee guard	true	Full	1/8 in	1 in	1 in	1 in	1 in	1 in