



VIEW IN
FULL
COLOR
FOR MOST
CLARITY

KOHL'S

3D Sample Standard Output Requirements

Technology Standard

Contact dpc@kohls.com for questions about standards.

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SEE CHANGE LOG ON SLIDE 55

Browzwear Version

Teams should use Browzwear version
2024.1.2 (version 53876)

Any 3D working files made in newer versions of the software
cannot be opened by our teams.



KEY

NOTE! If page information applies to all sample types, the page will have all five colored dots



Each sample type is color coded throughout this document, please see the below key for reference.

P	PRE-DEV SAMPLE	Ideate, iterate, facilitate a better handoff & gain style buy in (CPA)
C	COUNTER SAMPLE	Reflection of what can be produced, used to gain alignment with management (CPA or Line Final)
CR	COLOR RUN SAMPLE	Reflection of colorways and art placement to gain alignment with management (CPA or Line Final)
F	FIT SAMPLE	Evaluate fit & make improvements before requesting physical sample
3F	3D FINAL SAMPLE	Digital sample submitted by the vendor in OnePLM, without request, after PP approval- including all updates after finalization of fit and buy. It has the same requirements as a Color Run sample, but with any final details included.
	ALL SAMPLE TYPES	

SAMPLE TYPE SUMMARY

PRE-DEV SAMPLE

AVATAR	NOT VISIBLE
FABRIC COLOR	MEDIUM GREY
STITCH COLOR	BLACK
ARTWORK	NOT REQUIRED UNLESS REQUESTED
INTERNAL LINES	NOT VISIBLE



COUNTER SAMPLE

AVATAR	VISIBLE
FABRIC COLOR	MEDIUM GREY
STITCH COLOR	BLACK
ARTWORK	NOT REQUIRED
INTERNAL LINES	NOT VISIBLE



COLOR RUN SAMPLE

AVATAR	NOT VISIBLE
FABRIC COLOR	ACTUAL, FOLLOW BILL OF MATERIAL (BOM)
STITCH COLOR	FOLLOW BOM
ARTWORK	ACTUAL ARTWORK
INTERNAL LINES	NOT VISIBLE



FIT SAMPLE

AVATAR	VISIBLE
FABRIC COLOR	MEDIUM GREY, 20% TRANSPARENCY
STITCH COLOR	BLACK
ARTWORK	NOT REQUIRED
INTERNAL LINES	VISIBLE



3D FINAL SAMPLE

AVATAR	NOT VISIBLE
FABRIC COLOR	ACTUAL, FOLLOW BILL OF MATERIAL (BOM)
STITCH COLOR	FOLLOW BOM
ARTWORK	ACTUAL ARTWORK
INTERNAL LINES	NOT VISIBLE



SAMPLE INPUT CHECKLIST



Before beginning on a 3D sample, review the list below to ensure you have all the necessary information and assets:

- (1) Alvanon AlvaForm**
- Digitized Trim(s)**
(if applicable, scans & physics data)
- (1) Techpack from PLM**
(not applicable for pre-development samples)
- Artwork or Graphics**
(if applicable; minimum 300 dpi)
- (1) NET E-Pattern**
(pattern with no seam allowance, .aam or .dxf/ASTM .dxf file type)
- Actual Digitized Fabric(s)**
(scanned with physics data)

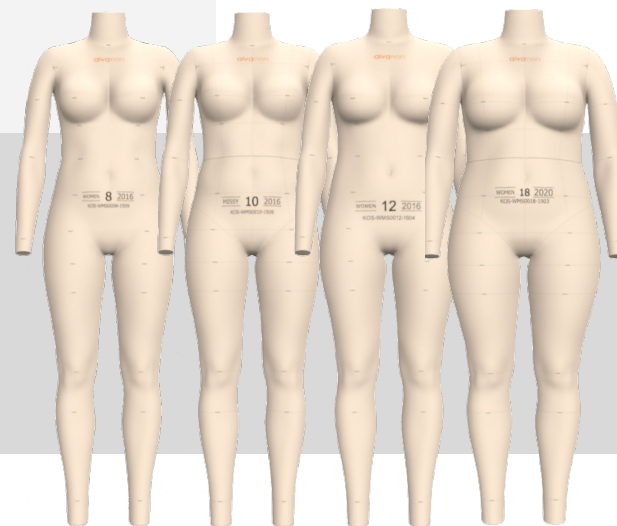
All sample types use Kohls approved Headless Virtual Alvaforms (Alvanon E-Forms). Ensure proper naming convention is used ([Appendix I](#))

Exceptions:

- 1.) Hooded styles – Include hood down on Headless Virtual Alvanon form and hood up on Virtual Alvanon form with Head (Human Form)
- 2.) Human form (Hands and Feet) - When applicable or requested See [Appendix J](#) for visuals.

All avatars are available in digital formats compatible with Browzwear, Clo, Optitex, or Shima Seiki

SIZE DETERMINED BY BRAND
(See [Appendix D](#))



AVATAR Pose

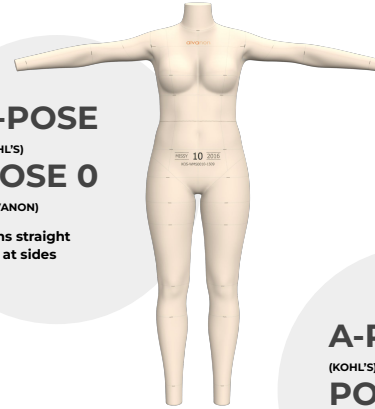
Your final output should be viewed in the pose indicated based on garment and sample type (see below).

Remember to save a snapshot of garment in the poses indicated.

	PRE-DEV SAMPLE	COUNTER SAMPLE	COLOR RUN	FIT SAMPLE	3D FINAL SAMPLE
TOPS AND BRAS	I-POSE	I-POSE & A-POSE	I-POSE	A-POSE (OR) T-POSE**	I-POSE
BOTTOMS	T-POSE	T-POSE	T-POSE	T-POSE	T-POSE
DRESSES AND ONE PIECES	I-POSE	T-POSE** (OR) I-POSE	I-POSE	A-POSE (OR) T-POSE**	I-POSE

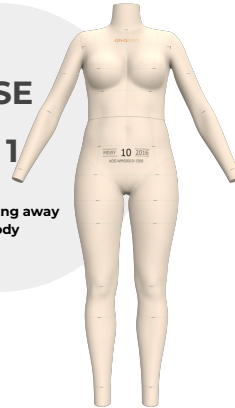
T-POSE
(KOHL'S)
POSE 0

(ALVANON)
Arms straight out at sides



A-POSE
(KOHL'S)
POSE 1

(ALVANON)
Arms standing away from the body



I-POSE
(KOHL'S)
POSE 2

(ALVANON)
Arms parallel to body



All avatars come with 3 pose options for Browzwear, Clo*, Optitex, or Shima Seiki

* Note CLO poses must be imported as separate files.

**T-POSE for sleeveless garments and bras

AVATAR Visibility

Avatar visibility depends on the sample type, as shown below.

PRE-DEV SAMPLE

NOT Visible



COUNTER SAMPLE

Visible



COLOR RUN SAMPLE

NOT Visible



FIT SAMPLE

Visible

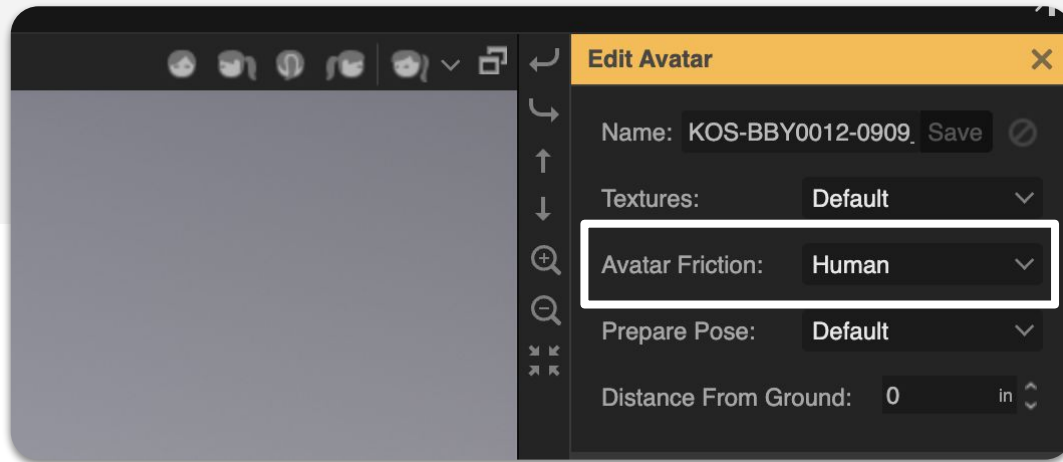


3D FINAL SAMPLE

NOT Visible



For all sample types, in Browzwear, use the default setting “human” for friction. *If not using Browzwear, use a similar setting in your software.*



PATTERN General Standards



Collaborate Vendor ONLY






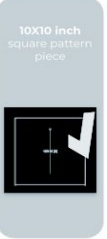


For all sample types, please reference existing pattern standards in [K-link*](#) and review the standards below for Browzwear working files:

**Note, you must be logged into K-link prior to clicking link.*

KOHL'S PATTERN REQUIREMENTS

TECHNICAL DESIGN, QUALITY ASSURANCE & PRODUCT INTEGRITY @ KOHL'S

All Fit/3D/PP Fit samples must include an electronic pattern file. 2D & 3D patterns should be the same pattern.

 <p>Remove any non-latin characters</p>	 <p>Working Units = Inches Export Patterns in inches.</p>	 <p>Use pattern piece symmetry where possible.</p>	 <p>Delete/Reduce excessive points</p>	 <p>Export NET pattern or Sew Lines. (No Seam allowances or shrinkage)</p>	 <p>10X10 inch square pattern piece</p>	 <p>Ensure pattern is exported in DXF (ASTM) or DXF or .am (AAMA)</p>	 <p>PP Pattern Only Include Grading & Grade Rule file (.rul)</p>
--	--	--	---	---	--	--	---

1. Follow Pattern piece naming guidelines and Digital Fit requirements in [Sample Standard Output requirements for 3D](#) found in DPC on K-Link.
2. Follow [Vendor Pattern Attachment Naming convention](#) found in CTD OnePLM Manual on K-Link.
3. Follow instructions for [Uploading Patterns](#) found in CTD OnePLM Manual on K-Link.
 - Fit = OnePLM Fit Evaluation Attachments
 - 3D: Images = OnePLM Fit Evaluation Attachments, Working file = DASH
 - PP = OnePLM Overview Attachments Tab

PATTERN 3D Layer Range



Collaborate Vendor ONLY

For all sample types, order pattern pieces according to their product type

Product Type	3D Layer Range
Intimates	1-10
Swim	1-10
Bottoms	1-10
Chemise, Dorms/Gowns, Sleep Shirts	11-20
Tops, Dress Shirts	11-20
Dress/Romper	11-20
Layette	11-20
Jackets	21-30
Robes	21-30

Note: Styles with more than one item of clothing (i.e. sets) or specialty sizing (ie maternity), treat each item as a separate and refer to the general category (ie bottom, top, etc).

PATTERN Piece Naming Conventions

Collaborate Vendor ONLY

Please use the following naming convention for pattern pieces:

STYLE NUMBER

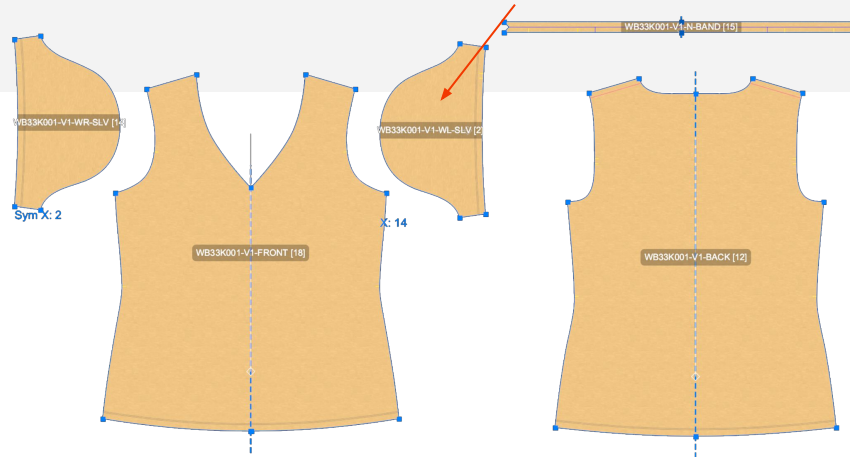


VERSION (V1, V2, ETC)



PATTERN PIECE ABBREVIATION

Example: Wearer's Left Sleeve: **WB33K001-V1-WL-SLV**



FABRIC & TRIM

Material Quality and Substitutions



For all sample types, follow material digitization standards ([Link to K-Link](#)) and use actual fabric. Vendors are strongly encouraged to own digitizing fabric if it is not available from the mill or within Kohl's SLT library.

NOTE! Collaborate level vendors can download digitized Kohl's SLT fabrics from OnePLM's Material Library.

See chart below for guidelines on when substitute fabrics can be used. See [Appendix C](#) for Substitution Guidelines.

PRE-DEV SAMPLE	COUNTER SAMPLE	COLOR RUN SAMPLE	FIT SAMPLE	3D FINAL SAMPLE
Substitute Fabric allowed . Vendor must notify Kohl's via Sample Comments in PLM. See Sample Comment Card.	Substitute Fabric allowed . Vendor must notify Kohl's via Sample Comments in PLM. See Sample Comment Card.	Actual fabric must be used. Search OnePLM Material library. If actual fabric is unavailable, please reach out to dpc@kohls.com .	Actual fabric must be used. Search OnePLM Material library. If actual fabric is unavailable, please reach out to dpc@kohls.com .	Actual fabric must be used. Search OnePLM Material library. If actual fabric is unavailable, please reach out to dpc@kohls.com .

FABRIC & TRIM

Trim Quality and Substitutions



For most sample types, use a close substitution for trim, actual or vendor provided. Trim color should reflect BOM. Ensure appropriate stabilizers are included in simulation. All trims must be scanned at **600 PPI**.



Use vendor comment card to call out substitute trims ([See Output-Comment Card](#)).

SCANNED TRIM EXAMPLE:



5/8" HIGH AT **600 PPI**



5/8" HIGH AT **72PPI**

FABRIC & TRIM Trim Quality and Substitutions

For 3D Final Samples, all trims should be actual. If actual is not available, use a close substitution and note the substitution.

Trim color should reflect BOM. Ensure appropriate stabilizers are included in simulation. All trims must be scanned at **600 PPI**.



SCANNED TRIM EXAMPLE:



5/8" HIGH AT **600 PPI**



5/8" HIGH AT **72PPI**

FABRIC & TRIM Color

Fabric and trim color depends on the sample type, as shown below. For Grey hex code values see [Appendix A](#). For color accuracy guidance, see [Appendix P](#).

PRE-DEV SAMPLE

MEDIUM GREY
(HEX # 808080)

**unless otherwise requested*



COUNTER SAMPLE

MEDIUM GREY
(HEX # 808080)

**For color blocked garments see [Appendix A](#)*



COLOR RUN SAMPLE

Accurate color from BOM page(s) in PLM. (Wash does not need to be photo real)

**For color accuracy guidance, see [Appendix P](#)*



FIT SAMPLE

MEDIUM GREY
(HEX # 808080) with 20% transparency

**For color blocked garments see [Appendix A](#)*



3D FINAL SAMPLE

Accurate color from BOM page(s) in PLM. Wash should be as photo real as possible.

**For color accuracy guidance, see [Appendix P](#)*



FABRIC & TRIM Stitch Color

Stitch color will vary depending on sample type.
For Hex code values see [Appendix A](#).

PRE-DEV SAMPLE

Use contrasting
thread color
unless DTM is
requested.



COUNTER SAMPLE

Black Stitching
*(for color blocked
garments, choose
either black or
white for contrast)*



COLOR RUN SAMPLE

Follow BOM



FIT SAMPLE

Black Stitching
*(for color blocked
garments, choose
either black or
white for contrast)*



3D FINAL SAMPLE

Follow BOM



FABRIC & TRIM Artwork

For **Color Run & 3D Final samples only**, actual artwork is required.
For all other sample types this is not required unless requested.

PRE-DEV SAMPLE

Actual artwork not required unless requested.



COUNTER SAMPLE

Actual artwork not required unless requested.



COLOR RUN SAMPLE

Actual artwork **always** required.



FIT SAMPLE

Not required.



COLOR RUN SAMPLE

Actual artwork **always** required.



GARMENT DETAILS

Internal Lines

F

For fit samples only, visible Internal Pattern Reference Lines are required.

TOPS:

- HPS Fold-line
- Horizontal Chest line
- Sleeve Centerline.

BOTTOMS:

- Leg Centerline
- Horizontal Hip
- Horizontal Thigh
- Horizontal Knee

DRESSES & OTHER:

- Include all applicable lines

TOPS EXAMPLE



BOTTOMS EXAMPLE



GARMENT DETAILS Inner Garment Details



For all sample types except 3D final sample, Inner garment details will not be required in fit samples unless requested. Inner garment details such as tag or heat seal placements will be evaluated in physical sample.



GARMENT DETAILS Inner Garment Details

3F

For 3D final samples only, inner garment details that are visible in the final render view are required. For all other sample types this is not required unless requested.



GARMENT DETAILS

Arrangement & Styling

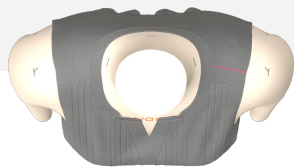


For all sample types, Pieces should be arranged to simulate balanced physical sample. Styling properties should never be used to correct balance or fit issues.

Tops: Reference [HPS fold line placement](#) (see k-link) in TOP View to compare accuracy of sample placement. Note, log in to K-link before clicking link above.

Bottoms: Reference waist placement POMs to confirm accuracy of sample placement.

All Garments-Grid/Mesh
Size: use 3D software provider's best practices. 3D modelers/designers use your discretion based on garment details.



TOP VIEW
(EXAMPLE)

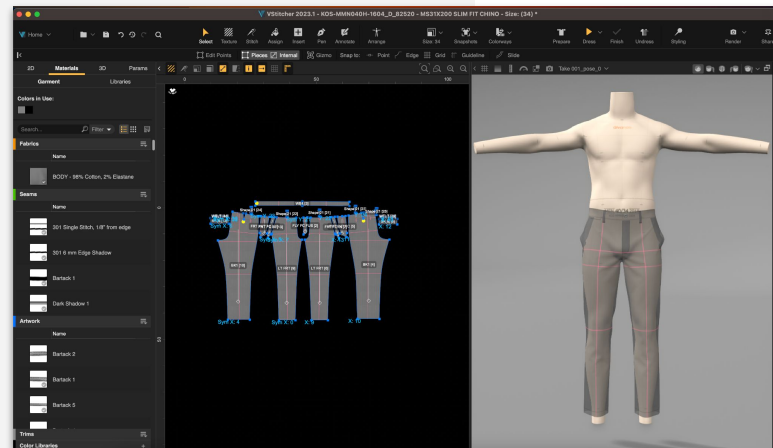


OUTPUT Working File (.bw)



For all sample types, use the following settings for sample working file outputs.

- COLOR PROFILE** sRGB using .ASE files provided by Kohl's
- LIGHTING & BACKGROUND** **HDR:** Use the "Bright" lighting preset found under 3D Environment-> HDRI Lights
Exposure & Rotation: Use Bright lighting preset
Background/Environment: White background for Fit Samples, Default gradient for other samples
- CAMERA** Centered on garment
- EXPORT (FILE)** If working in Browzwear, save file as Garment + Avatar & Accessories (.bw)



EXAMPLE OF .BW WORKING FILE OUTPUT

OUTPUT Working File Management

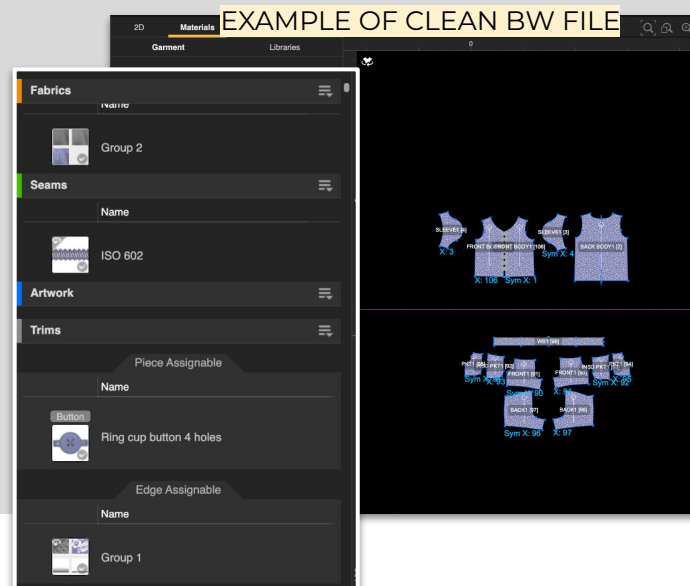


Collaborate Vendor ONLY

When sending .bw files please ensure the file is clean, and the following have been **deleted**:

- Unused digital fabrics
- Unused digital trims
- Unused artwork **ensure the files you keep are .png file type.*
- Unused color swatches
- Progress Snapshots that do not represent the final design or version being sent.

***Always save BW files as “Garment + Avatar”**



OUTPUT Individual Renders (.png)



For all non-fit sample types, use the following settings for render outputs.

COLOR PROFILE

sRGB using .ASE files provided by Kohl's

LIGHTING & BACKGROUND

HDR: Use the "Bright" lighting preset found under 3D Environment-> HDRI Lights.

Exposure & Rotation: Use default Bright lighting preset

Background/Environment: Transparent for non-fit samples.

RENDER TYPE

Render Type: High-fidelity render/V-Ray Render. (Normal renders OK for Fit samples and color runs with 5+ colorways.)

Render Quality: Medium quality at a minimum.

Resolution: 72 ppi resolution minimum, 300 ppi preferred

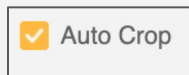
DIMENSIONS

Export 1500px x 1500px minimum

EXPORT

Export as a .png with transparent background. *See the following pages for instructions on cropping, views and consolidated files.*

In Browzwear, use the "Auto Crop" function in the rendering window to ensure unnecessary empty space is cropped.



RENDER EXAMPLE

OUTPUT Screenshots (.jpg or .png)

F

For fit sample types, use the following settings for sample image outputs.

COLOR PROFILE

sRGB using .ASE files provided by Kohl's

LIGHTING & BACKGROUND

HDRI: Use the "Bright" lighting preset found under 3D Environment-> HDRI Lights.

Exposure & Rotation: Use default Bright lighting preset.

Background/Environment: White background.

IMAGE TYPE

Image Type: Screenshots with internal lines visible.

Quality: High resolution

IMAGE DIMENSIONS

1000px x 1000px minimum

EXPORT

A .jpg with a white background. *See the following pages for instructions on cropping, views and consolidated files.*



**FIT SAMPLE
SCREENSHOT
EXAMPLE**

OUTPUT Render Cropping Guidelines



For **Counter**, **Fit**, and **3D Final** samples, reference the following for cropping guidance. For garment types that aren't listed below, show the full garment and crop with some cushion of space at sides.

Tops: Crop at top of neck stump, edge of arms, near mid thigh so length of top can be seen. Leave a small cushion of space around edge of crop.



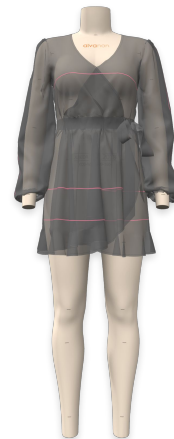
EXAMPLE SHOWN: **FIT**

Bottoms: Crop at mid belly, edge of leg stumps. Leave a small cushion of space around edge of crop.



EXAMPLE SHOWN: **COUNTER**

Full Body Garments: Crop at top of neck stump, edge of leg stumps. Leave a small cushion of space around edge of crop.

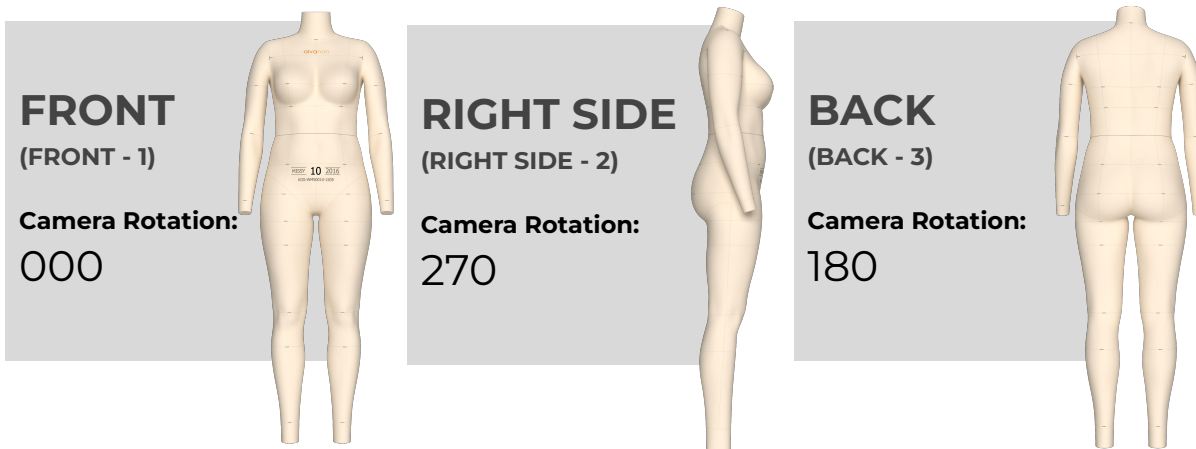


EXAMPLE SHOWN: **FIT**

OUTPUT Render Views



For all sample types, renders should show front, right and back view. **Fit** samples require additional views ([next page](#)). Additional detail views may be requested. Use naming convention for individual renders (.png) ([see slide 28](#)).

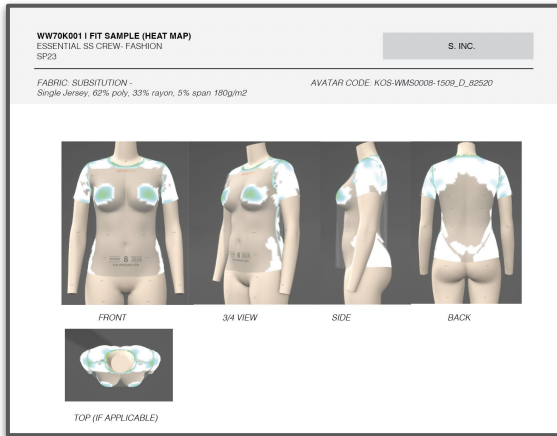


OUTPUT Consolidated Views File - FIT SAMPLE

F

For fit samples ONLY, set fabrics to 20% transparency and show all views (see below). In addition, please include a separate file showing pressure maps (see below). For tops and dresses, please include the **top view** and **¾ view**. Use [Photoshop or Powerpoint template](#) for layout and export as a pdf, png or jpg to upload into OnePLM. See [Appendix G](#) for additional examples.

Once finished, upload file to fit eval attachments in PLM under the relevant 3D sample round.



Page Checklist:

- Front, back, side, top and ¾ views of garment on avatar if applicable.
- Style Number, garment name and development season
- Fabric name and content used in digital file
- Avatar code
- Vendor Name
- Repeat for pressure map file.

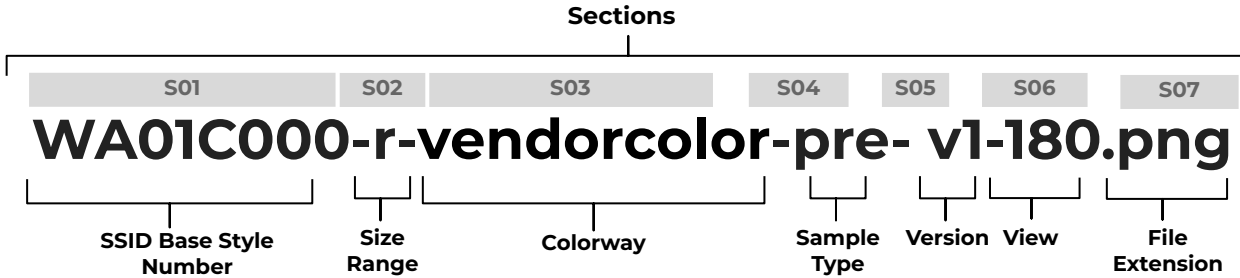
OUTPUT Summary

For all sample types, reference the chart below for a summary of sample outputs. Follow these guidelines unless otherwise requested by users. See [Appendix N](#) to determine if “engage” or “collaborate” applies to you.

	PRE-DEV SAMPLE	COUNTER SAMPLE	COLOR RUN SAMPLE	FIT SAMPLE	3D FINAL SAMPLE
Engage Vendor	<input type="checkbox"/> INDIVIDUAL RENDERS (.png)	<input type="checkbox"/> INDIVIDUAL RENDERS (.png)	<input type="checkbox"/> INDIVIDUAL RENDERS (.png)	<input type="checkbox"/> CONSOLIDATED FILE <input type="checkbox"/> PRESSURE MAP IMAGE	<input type="checkbox"/> INDIVIDUAL RENDERS (.png) <input type="checkbox"/> NON BROWZWEAR SOURCE FILES VIA ZIP FOLDER
Collaborate Vendor	<input type="checkbox"/> INDIVIDUAL RENDERS (.png) <input type="checkbox"/> BW WORKING FILE	<input type="checkbox"/> INDIVIDUAL RENDERS (.png) <input type="checkbox"/> BW WORKING FILE	<input type="checkbox"/> INDIVIDUAL RENDERS (.png) <input type="checkbox"/> BW WORKING FILE	<input type="checkbox"/> CONSOLIDATED FILE <input type="checkbox"/> PRESSURE MAP IMAGES <input type="checkbox"/> BW WORKING FILE	<input type="checkbox"/> INDIVIDUAL RENDERS (.png) <input type="checkbox"/> BW WORKING FILE

OUTPUT Render Naming - Non-Fit Sample Types

For all non-fit sample types, use naming convention for renders and screenshots of garments.



Section 03 Details	
Sample Type	
pre	pre-development
ctr	counter
col	color run
fin	3d final sample

The name is comprised of:

- 4 sections, separated by hyphens
 - **Section 01 (S01)** is copied from onePLM record; SSID base style number
 - **Section 02 (S02)** indicate size type (R, regular, P, plus etc, see [Appendix H](#))
 - **Section 03 (S03)** is dependent on sample type
 - **Section 04 (S04)** is added to track sample type
 - **Section 05 (S05)** is added to track versionings
 - **Section 06 (S06)** is added to track views/rotations of rendered PNGs.
 - **Section 07 (S07)** automatically appended from output software

!!NOTE!!

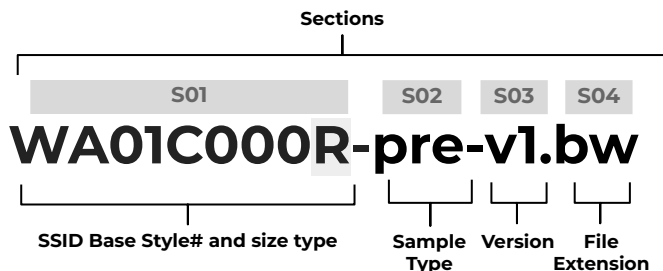
File names **MUST NOT** include the following characters:

? & # % < > +

OUTPUT Working File Naming – Non-Fit Sample Types



For all non-fit sample types, use naming convention for digital garment files.



Section 02 Details	
Sample Type	
pre	pre-development
ctr	counter
col	color run
fin	3d final

The name is comprised of:

- 4 sections for initial creation of each file version, separated by hyphens:
 - **Section 01 (S01)** is copied from onePLM record, with indicate size type (R, regular, P, plus etc, see [Appendix H](#))
 - **Section 02 (S02)** is added manually by the file creator to reflect the 3D Sample Type (see “Section 02 Details” chart to the right)
 - **Section 03 (S03)** is added manually by the file creator for the original file (v1), and updated by the editor for each subsequent version.
 - **Section 04 (S04)** automatically appended via the 3D editing software

!!NOTE!!

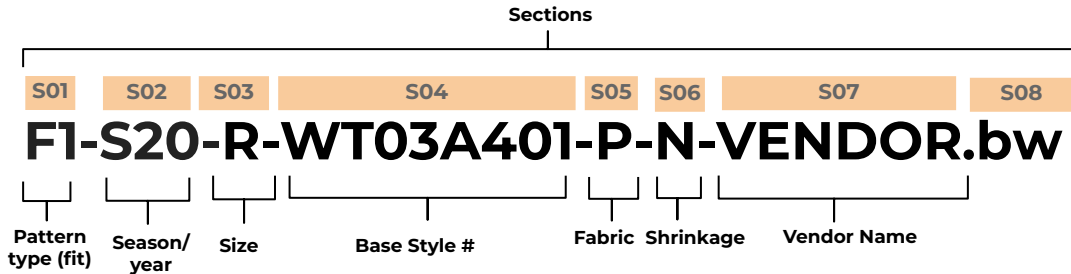
File names **MUST NOT** include the following characters:

? & # % < > +

OUTPUT Working File Naming - Fit Sample Types

F

For fit sample types, use same naming convention as fit pattern files.



Section 03 Details	
Sample Type	
fit	fit sample
pro	pre-production

The name is comprised of:

- 7 sections for initial creation of each file version, separated by hyphens:
 - **Section 01 (S01)** is the pattern type; F1= First Fit
 - **Section 02 (S02)** is the season and last two digits of the year (S=Spring, U=Summer, F=Fall, H= Holiday.) Example: F21= Fall
 - **Section 03 (S03)** is the size ((R, regular, P, plus etc, see [Appendix H](#)))
 - **Section 04 (S04)** is base style number
 - **Section 05 (S05)** is fabric type (if applicable, leave out if not applicable)
 - **Section 06 (S06)** is shrinkage (N= No shrinkage, S= Shrinkage applied)
 - **Section 07 (S07)** is vendor name; abbreviate if needed
 - **Section 08 (S08)** is file extension

!!NOTE!!

File names **MUST NOT** include the following characters:

? & # % < > +

FILE UPLOAD

Browzwear Working file (.bw) & Render (.png)



Upload all files (.bw and .png) to the Overall Style Attachments* tab in onePLM. See [onePLM Attachments Job Aid](#), if you need more information.

*** Please do not upload to the Sample Request Attachments.**

PRE-DEV SAMPLE

Upload to Overall Style Attachments under the style number in PLM or as individual pngs to Miro if style shell is not yet created by design.

COUNTER SAMPLE

Upload to Overall Style Attachments under the style number in PLM.

COLOR RUN SAMPLE

Zip/Compress all images and upload together
Upload to Overall Style Attachments under the style number in PLM.

FIT SAMPLE

Upload to Fit Evaluation under the style number in PLM.

3D FINAL SAMPLE

Upload to Overall Style Attachments under the style number in PLM.

OUTPUT Sample Comments



For all sample types, vendor must use “vendor comment” section in PLM to add sample comments. Copy and paste the below fields into the comment section and fill out the information for each sample. Remove text in blue and replace with answers. [See Appendix M](#) to copy text.

Date:
Vendor Contact:
Browzwear Version:
SAMPLE INFO
Style Number
Alvanon Form Size; (i.e. KOS-WMS00008-1509)
Wash: *If added to 3D File*
FABRIC INFO
List all fabrics included in 3D file
Fabric 1: *Advise if Actual or Available fabric used on this sample. Include Kohls Material #, Mill & Mill #, construction, fiber content, weight*
Fabric Scanned by: *Advise who scanned the fabric into digital form (i.e. Mill, Vendor, L&F, 3rd party)*
Fabric Scanning Equipment: *Advise what equipment was used to scan physics and surface visual of fabrication*
TRIM INFO
List each trim type included in the 3D file then comments on quality, color used and details about how the trims were scanned to replicate actual qualities. Advise if any trims are left out.
Examples-
Buttons: Available, pulled from the Browzwear Cloud Library, color used, etc
Zipper: Actual, used from YKK Browzwear Library, color used, etc
GENERAL COMMENTS
Must advise if any Kohl's 3D Sample Standards were not properly followed and how the style deviates from the Kohl's sample standards.
Must advise if any of the pattern needed to be reworked to show the garment properly in 3D (i.e. breaking up a belt to make it look tied, etc)
Indicate which snapshots are included in the file.

EXAMPLE COMMENTS IN PLM

Sample Request ID: 859870

Overview Attachments Change Tracking

Vendor Comments

Date: 6-16-2023
Vendor Contact: JANE SMITH, EXAMPLE APPAREL CO.
Browzwear Version: 2023.1

SAMPLE INFO
Link to Sample File in DASH: https://dash.kohls.com?viewToken=eyJhG0JlU1Nj9.ejpc3MlOjEQU0lCzdWl0IjFdmEuQm9yeWVwYyQvGwzLmNvbS5lcmFzY6E9yWj0UEQ5EFOU9MTCBURhUSUxFlzafEYjFN1bW1k1CVFhM00zMksnDEvR0o2MksnNEQEQ1RSLVksiwWlC161nY1Y0bWVhZSS0m3j3hwajcE2NkMwMDAwMDMfSwiZWhj0xNj0NzESMDUlyQ_nSDAIFg5Qba4Qh6H6h4urpQFEaDx9FTp3ZGcpM4
Alvanon Form Size: KOS-LBGG006-1903_D_82520
Wash: n/a

FABRIC INFO
Fabric 1: Rib 2x2, 55% Cotton, 37% Polyester, 8% Spandex, 220 g/m2 x2
Fabric Scanned by: Browzwear Material Library
Fabric Scanning Equipment: Yizop/FAB Kit

TRIM INFO
n/a

GENERAL COMMENTS
-SUBSTITUTE FABRIC USED FOR RIB 2X2 NECKBAND
-SNAPSHOT IN 1-POSE

SAMPLE OUTPUT CHECKLIST

PRE-DEVELOPMENT SAMPLE

P

Review the following standards prior to sending the finished 3D sample:

[Alvanon Alvaform Not Visible](#)

[Medium Grey Color](#)

[Black Stitch Color](#)

File Outputs:

- Individual Renders (.png)
(OR)
- Browzwear (.bw) Working File uploaded in OnePLM Style Overview Attachments



SAMPLE OUTPUT CHECKLIST

COUNTER SAMPLE

C

Review the following standards prior to sending the finished 3D sample:

[Alvanon Alvaform Visible](#)

[Medium Grey Color](#)

[Black Stitch Color](#)

File Outputs:

- Individual Renders (.png)
(OR)
- Browzwear (.bw) Working File uploaded in OnePLM Style Overview Attachments



SAMPLE OUTPUT CHECKLIST

COLOR RUN SAMPLE

Review the following standards prior to sending the finished 3D sample:

[Alvanon Alvaform Not Visible](#)

[Actual Fabric Color](#)

[Actual Fabric Scan & Physics](#)

[Stitch Color following BOM](#)

[Actual Artwork and Graphics](#)

File Outputs:

- Individual Renders (.png)
(OR)
- Browzwear (.bw) Working File uploaded in OnePLM Style Overview Attachments



SAMPLE OUTPUT CHECKLIST

FIT SAMPLE

F

Review the following standards prior to sending the finished 3D sample:

- [Alvanon Alvaform Visible](#)
- [Medium Grey Color](#) (20% Transparency)
- [Actual Fabric Scan & Physics](#)
- [Black Stitch Color](#)
- [Internal Lines Visible](#)

File Outputs:

- Consolidated Views Image (upload as png or jpg)
- Pressure Map Image (upload as png or jpg)
- Browzwear (.bw) Working File uploaded to OnePLM Fit Evaluation



SAMPLE OUTPUT CHECKLIST

3F

3D FINAL SAMPLE

Review the following standards prior to sending the finished 3D sample:

Note this checklist is the same as the [Color Run](#) sample output checklist, but with an added requirement to ensure file is updated to reflect any style changes.

[Alvanon Alvaform Not Visible](#)

[Actual Fabric Color](#)

[Actual Fabric Scan & Physics](#)

[Stitch Color following BOM](#)

[Actual Artwork and Graphics](#)

[Actual Trims & Details](#)

File Outputs:

- Individual Renders (.png)
(AND)
- Browzwear (.bw) Working
File uploaded in OnePLM
Style Overview
Attachments



APPENDIX A Fabric and Trim - Color

Hex codes for each grey value are listed below.



APPENDIX C Substitution Guidance for Digital Materials

If you must substitute a fabric follow the guidelines below:

1. **Material Type/Construction:** must be identical (ex: knit, woven)
2. **Material Sub Type:** must be identical (ex: jersey, french terry, mesh, twill, rib)
3. **Fabric Weight:** +/- 3% of the actual fabrics' contracted weight
4. **Fabric Thickness:** +/- 3%
5. **Fiber Content:** (See table below)

1 fiber (ex: 100% CTN)	NO TOLERANCE
2+ fibers (ex: 60% CTN, 40% POLY)	+/- 3%
Spandex Content	NO TOLERANCE

Note, the final decision on selected substitute fabric belongs to the Kohl's Designer & Kohl's Material R&D Team, which decide on a fabric regardless of its compliance on the above guidelines.

 [RETURN TO FABRIC & TRIM \(TYPE & QUALITY\)](#)

APPENDIX D Dress Form Chart Example

	Department	Brand/ Category	Form Size	Form ID#	3D Avatar	3D Size Set Avatars Available	Fit to Form	Fit to Model	Notes
M I L W A K E R B R A N D S N E W Y O R K	Womens	Sonoma /Tek Gear / FLX JFYF / LC Sleepwear*	Sz 10 / M	KOS-WMS0010-1509	Yes	Y	Yes	For Movement	new as of Jan, 2016 * LC Sleepwear changed 8 to 10 for FA20
	Petite	Sonoma / Tek Gear	Sz 10 / M	KOS-WPT0010-1604	Yes	N	Yes	For Movement	new as of May 9, 2017
	Womens Active	Tek Gear / FLX	Sz 10 / M	KOS-WMS0A10-1903	No physical form	N	Yes	For Movement	New as of Oct, 2020. Bust compressed for Active bra for 3D simulation
	Curvy	All Brands - 'Curvy Fit'	Sz 8 / M	KOS-WMS08FC-1604	Yes	Y	Yes	For Movement	new as of July, 2017
	Curvy Petite	All brands - 'Curvy Petite'	Sz 8 / M	KOS-WPT08FC-1604	No physical form	N			
	Womens	Croft & Barrow	Sz 12 / M	KOS-WMS0012-1604	Yes	Y	Yes	For Movement	new as of May 9, 2017
	Petite	Croft & Barrow	Sz 12 / M	KOS-WPT0012-1604	Yes	N	Yes	For Movement	new as of July, 2017
	Womens Plus	All Brands Active = Bottoms only	sz 18 / 1X	KOS-WPL0018-1511	Yes	In development	Yes	For Movement	new as of Aug 10, 2016
	Womens Plus Active	Active = Tops, Jkts, Bras, Dresses	sz 18 / 1X	KOS-WPL0A18-2001	Yes - Full Body Physical = Torso only	N	Yes	For Movement	New as of Oct, 2020. Bust compressed for Active Bra/Sleepwear fitting
	Womens Plus Curvy	All Brands	sz 18 / 1X	KOS-WPL018C-1805	Yes	N	Yes	For Movement	new as of Nov 7th 2018
	Womens Plus Straight	All Brands	sz 18 / 1X	KOS-WPL018-1805	Yes	N	Yes	For Movement	new as of Nov 7th 2018
	Maternity	All Brands	Sz12 form + 7rth Bump	KOS-WMS0012-1604 KOS-WMT7MAB-1605	KOS-WMT7M12-1903	N	Yes + bump	For Movement	2022-Maternity vendors must use correct form/belly bump
	Maternity	All Brands	Sz12 form + 9rth Bump	KOS-WMS0012-1604 KOS-WMT9MAB-1605	KOS-WMT9M12-1903	N	Yes + bump	For Movement	2022-Maternity vendors must use correct form/belly bump
	Jr Intimates	So - Intimates Panties	Sz 7/8 soft lower torso	KOS-WJR178S-1210	Yes	N	Yes	For Movement	
	Junior's	So	Sz 9/M	KOS-WJR0009-1604	Yes	N	Yes	For Movement	new as of July 2018
	Jr's Plus	So	sz 18 (Jr 18P)	KOS-WPLJR18-1603**	Yes	N	Yes	For Movement	**This form is also same ID as #KOS-WPL0018-0504
	7-16 Girls	So	sz 12 Girl	KOS-GGL0012-0510	Yes	N	Yes	For Movement	
	7-16 Girls Plus	So	sz 12 1/2	KOS-GPL0012-0705	Yes	N	Yes	For Movement	
	Kids sz 6	All Brands	sz 6	KOS-UBG0006-1903	Yes	N	Yes	For Movement	BEGIN USING FALL 2020
	Kids 3T	All Brands	3T	KOS-UTD003T-1907	Yes	N	Yes	For Movement	BEGIN USING FALL 2020
	Kids 12m	All Brands	12 Month	KOS-UJF012M-1907	Yes	N	Yes	For Movement	BEGIN USING FALL 2020
	Kids Infant	All Brands	sz 3-6m	KOS-UJFNWBN-2001	Yes	N	Yes	For Movement	BEGIN USING FALL 2020
	Mens 2XB	Big Man- All Brands	2XB	KOS-MMN02XL-0705	Yes	N	Yes	For Movement	Gap between thighs at dress form crotch area is more than naturally seen on model.
	Mens/Young Mens	All Brands	sz 40c / sz 34w	KOS-MMN040H-1604	Yes	N	Yes	For Movement	new as of July 2018
8-20 Boys	All Brands	sz 12 Boy	KOS-BBY0012-0909	Yes	N	Yes	For Movement		
NY Womens	SVVV - Vera	Sz 8 / M	KOS-WMS0008-1509	Yes	Y	Yes	For Movement		
NY Womens	LC Lauren Conrad / NineWest	Sz 8 / M	KOS-WMS0008-1509	Yes	Y	Yes	For Movement	BEGIN USING FALL 2020	
Curvy	All Brands - 'Curvy Fit'	Sz 8 / M	KOS-WMS08FC-1604	Yes	Y	Yes	For Movement	new as of July, 2017	
NY Petite	All Brands	Sz 8 / M	KOS-WPT0008-1604	Yes	N	Yes	For Movement	new as of May 9, 2017	
NY Plus	All Brands	sz 18 / 1X	KOS-WPL0018-1511	Yes	In development	Yes	For Movement		

Last Update:5/6/2022

Confidential - Kohl's Department Stores

PLEASE CHECK [K-LINK](#) FOR THE MOST UP TO DATE CHART. ENSURE YOU LOG IN TO K-LINK PRIOR TO CLICKING THE LINK ABOVE.

APPENDIX E (I) Pattern Piece Naming Conventions - Piece Abbreviations

Abbreviation	Full Name
BD	Band
BDG	Binding
BAG	Bag
BK*	Back <i>*Can be used as location abbreviation</i>
BL	Belt Loop
BLT	Belt
BTM	Bottom
BRA	Bra
CLR	Collar
CUFF	Cuff
FC	Facing
FRT*	Front <i>*Can be used as location abbreviation</i>
FLC	Flounce
FLY	Fly
FP	Flap
GST	Gusset
HD	Hood

Abbreviation	Full Name
LG	Leg
LNG	Lining
LNR	Liner
PKT	Pocket
PLKT	Placket
PNL	Panel
RFL	Ruffle
SKT	Skirt
SLV	Sleeve
STP	Strap
TIE	Tie
TRM	Trim
WB	Waistband
YK	Yoke
10x10	10"x10" pattern square that MUST be included with every pattern for checking scale

APPENDIX E (II) Pattern Piece Naming Conventions - Piece Abbreviations

Location Specific Piece Abbreviations:

Abbreviation	Full Name
WL	Wearer's Left - Add before piece name to differentiate WL from WR for symmetrical pieces in 3D file
WR	Wearer's Right - Add before piece name to differentiate WR from WL for symmetrical pieces in 3D file
AH	Armhole
CB	Center Back
CF	Center Front
CHST	Chest
EXT	Exterior
INT	Interior
LOW	Lower
NK	Neck
SHLDR	Shoulder
SS	Side Seam
SD	Side
WST	Waist
UP	Upper
UND	Under

APPENDIX G Fit Output Examples

WW31K010 | FIT SAMPLE
ESSENTIAL V-NECK
FA 23

VENDOR H.

FABRIC SUBSTITUTE
Single Jersey, 62% Polyester, 33% Rayon, 5% Spandex, 180 g/m2

Avatar Code: KOS-WMS0018-1903_D_120820

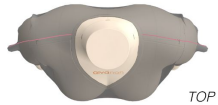


FRONT

3/4 VIEW

SIDE

BACK



TOP

ZX7J003 | FIT SAMPLE
KEY ITEM PANT
FA 23

VENDOR H.

FABRIC SUBSTITUTE
Single Jersey, 60% Ctn, 40% Poly, 175gm2

Avatar Code: KOS-WMNS0012-1604_D_72220



FRONT

3/4 VIEW

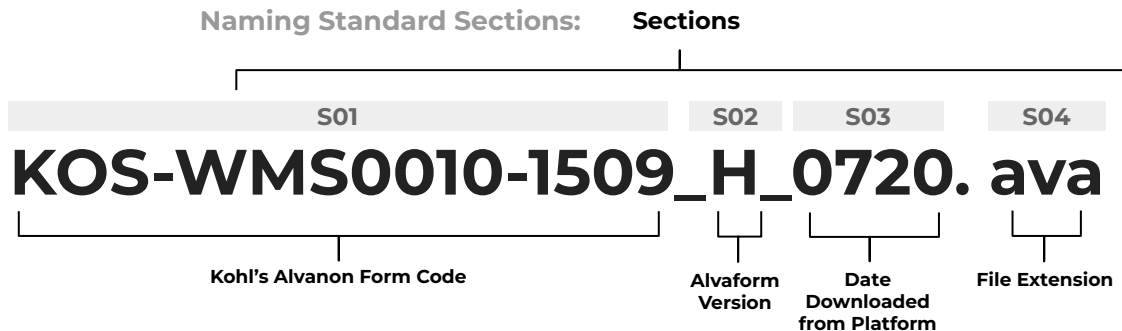
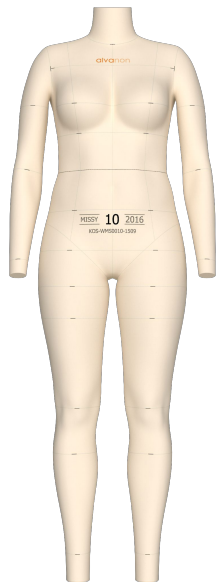
SIDE

BACK

APPENDIX H Size Range Abbreviations

Abbreviation	Size Type
R	Regular
X	Big Men
P	Plus (Women's/Big Girl's Kids)
G	Kids Sizes 4-12
K	Kids Sizes 12M-5T
D	Baby Sizes Newborn-24M
H	Kids Big Boy Sizes 8-20

APPENDIX I Naming Convention - Alvaform



Content

The name is comprised of:

- 3-4 sections, separated by underscores (hyphens are used within the Kohl's Form Code):
 - **Section 01 (S01)** indicates the Kohl's Alvanon Form Code; this is created by Alvanon & matches the physical dressform
 - **Section 02 (S02)** indicates the version of the Alvaform i.e. with head, hands & feet or without. (if applicable)
 - **Section 03 (S03)** indicates the month and year the particular dress form file was downloaded from the Alvanon Body Platform
 - **Section 04 (S04)** automatically appended from output software

APPENDIX J Alvaform Types

Refer to the [Dressform Chart in K-Link](#) for a list of all codes.



Dress form (D)
Without Seams
(W)



Human (H)
Without Seams
(W)



Dress form (D)
With Seams (S)

APPENDIX N Engage v. Collaborate Levels

Please see the following diagram to determine whether the “**Engage**” or “**Collaborate**” level applies to you:

Engage

- Upskilled users in any 3D software
- Own Kohl's Virtual Alvaforms
- Follows Kohl's Sample Standards

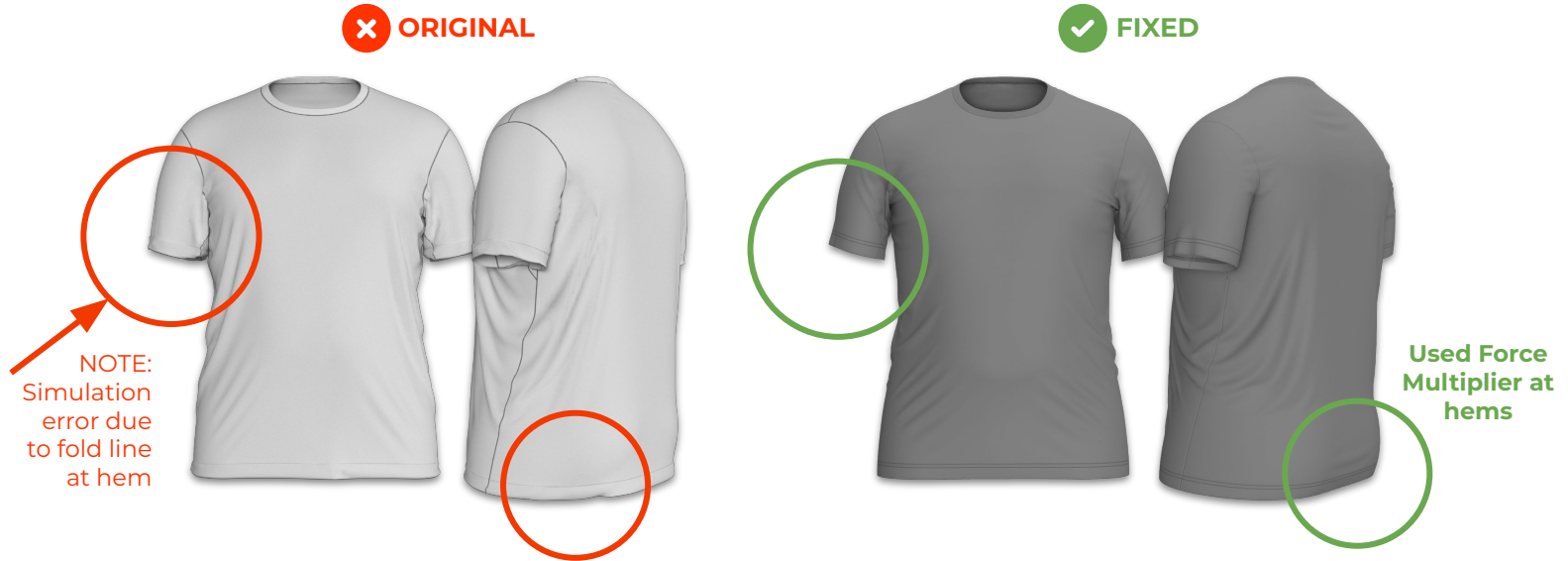
Collaborate

- Upskilled users in Browzwear
- Own Kohl's Virtual Alvaforms
- Follows Kohl's Sample Standards
- Shares working files (.bw) with Kohl's in OnePLM

APPENDIX O Proper and Improper Hems

Collaborate Vendor ONLY

The following is a “good” and “bad” example of hems:



Appendix P Recoloring Fabrics

Archroma & Pantone Digital Color Palettes

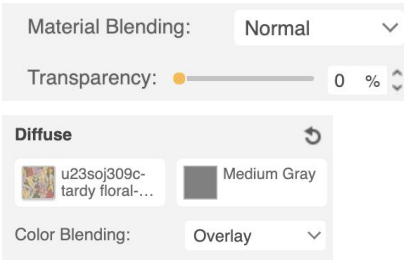
→ For on screen color accuracy

For **solid color** fabric, follow color information as stated in the BOM.
[Download Kohl's Color Swatches from K-link.](#)



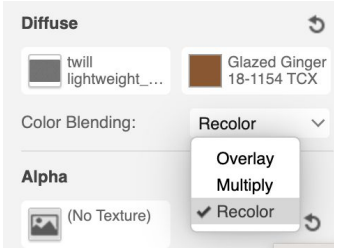
Browzwear Blending Modes

For **printed fabric**, maintain Browzwear's default setting **"Normal"** in **material blending**. Diffuse map should also remain default.



For **solid color fabric only**, use the **"Recolor"** blending mode in the **Fabric Diffuse Map**.

Browzwear recommends the Overlay mode for texture accuracy, but we have found Recoloring a neutralized fabric provides more color accuracy with little effect on texture.



Recolor



Overlay



CHANGE LOG (1 OF 5)

DATE	SECTION	#	DESCRIPTION OF UPDATE
01/01/2023	AVATAR	11	CHANGED FRICTION FROM "CLOTH" TO "HUMAN" (OR EQUIVALENT)
01/20/2023	PATTERN	12	REMOVED TEXT: "Include previous pattern alongside revised pattern in each Browzwear file (Disregard if not submitting a working file)"
01/20/2023	PATTERN	13	ADDED STANDARDS FOR PATTERN PIECE LAYERS
01/20/2023	PATTERN	14	UPDATED PATTERN PIECE NAMING CONVENTIONS PER TD DISCUSSIONS
01/20/2023	FABRIC & TRIM	19	UPDATED STANDARDS TO NOT REQUIRE INTERNAL ELEMENTS ON 3D SAMPLES
01/20/2023	GARMENT DETAILS	20	UPDATED VERBIAGE FOR TOPS, ADDED REQUIREMENT FOR "TOP VIEW" ON TOPS AND DRESSES TO EVALUATE SHOULDER SEAM.
01/20/2023	OUTPUT	23	TEMPORARY SOLVE FOR OMNI LIGHTING GLITCH, USE STREET LIGHTING
02/01/2023	OUTPUT	26	UPDATED FIT SAMPLE OUTPUT REQUIREMENTS TO PROVIDE ONE FILE WITH ALL VIEWS TOGETHER.
02/20/2023	OUTPUT	27	CHANGED NAMING CONVENTION FOR FLAT IMAGES, NOW APPLIES ONLY TO PRE DEV, COLOR RUN AND COUNTER SAMPLES
02/20/2023	OUTPUT	28	ADDED NAMING CONVENTION FOR FIT SAMPLE OUTPUT FILE
02/01/2023	OUTPUT	31	CHANGED STANDARD FOR UPLOADING FLAT IMAGES

CHANGE LOG (2 OF 5)

DATE	SECTION	#	DESCRIPTION OF UPDATE
02/01/2023	OUTPUT	32	ONLY WORKING FILES WILL NEED TO BE UPLOADED INTO DAH
01/01/2023	APPENDIX	38	ADDED SPECIFIC GREY HEX CODES FOR 3D SAMPLES WITH COLOR BLOCKING OR MULTIPLE FABRICS.
02/21/2023	APPENDIX	43	ADDED MATERIAL DIGITIZATION STANDARDS
* ALL UPDATES ABOVE WERE SENT TO K-LINK FOR UPDATE ON 2/21/23. UPDATES BELOW ARE NOT YET AVAILABLE TO VENDORS.			
02/24/2023	OUTPUT	25	ADDED REQUIREMENT TO INCLUDE CONSOLIDATED IMAGES FOR ENGAGE VENDORS IN ADDITION TO ALL PREVIOUS REQUIREMENTS.
02/24/2023	OUTPUT	27	ADDED OUTPUT SUMMARY PAGE TO EASILY VISUALIZE REQUIRED OUTPUTS DEPENDING ON SAMPLE TYPE AND VENDOR STATUS.
03/13/2023	GARMENT DETAILS	19	ADDED NOTE: "STYLING TOOLS SHOULD NOT BE USED TO CORRECT BALANCE OR FIT"
03/14/2023	PATTERN	13	ADDING STYLE NUMBER AND VERSION TO PATTERN PIECE NAME
03/21/2023	OUTPUT	27-29	ADDED SIZE TYPE (R,P,X, ETC.) TO NAMING CONVENTION AND CREATED AN APPENDIX WITH ABBREVIATIONS, (SEE APPENDIX H).
5/30/2023	AVATAR	4-9	CONSOLIDATED PAGES TO INCREASE CLARITY

NOTE: DPC TEAM WILL ADD NEW ENTRIES IN ORDER OF DATE CHANGED. 56

CHANGE LOG (3 OF 5)

DATE	SECTION	#	DESCRIPTION OF UPDATE
6/15/2023	FABRIC & TRIM	13	SEPARATED FABRIC AND TRIM, INCLUDED SUBSTITUTION GUIDANCE AND EMPHASIZED SAMPLE COMMENT CARD.
6/15/2023	OUTPUT	33	SAMPLE COMMENT CARD, INSTRUCTIONS FOR VENDORS
6/15/2023	FABRIC & TRIM	15	PRE-DEV SAMPLES MUST BE MEDIUM GREY UNLESS OTHERWISE REQUESTED
6/21/2023	OUTPUT	26	CONSOLIDATED VIEWS IMAGE IS REQUIRED FOR FIT SAMPLES ONLY
7/31/2023	OUTPUT	25	45 DEGREE VIEW REQ FOR FIT SAMPLES ONLY
8/11/2023	OUTPUT	23	ADDED FILE MANAGEMENT SECTION WITH THINGS TO DELETE (MOVED FROM PATTERN TO OUTPUT)
8/25/2023	AVATAR	7	CHANGED REQ. POSE FOR COLOR RUN BOTTOMS SAMPLES TO T-POSE, TO ACCOUNT FOR PLUS SIZED AVATARS WHOSE ARMS WOULD INDENT INTO LEGS WHILE GHOSTED.
9/8/2023	OUTPUT	22	CHANGED OUTPUT REQ FOR .PNG FILES FROM 2000PX TO 1500PX
9/8/2023	OUTPUT	22	CHANGED LANGUAGE TO CALL OUT V-RAY RENDERS, NOTED NORMAL RENDERS ARE OK FOR COLOR RUN SAMPLES WITH 5+ COLORWAYS

NOTE: DPC TEAM WILL ADD NEW ENTRIES IN ORDER OF DATE CHANGED. 57

CHANGE LOG (4 OF 5)

DATE	SECTION	#	DESCRIPTION OF UPDATE
9/22/2023	OUTPUT	24	UPDATED CROPPING GUIDELINE IMAGES TO BE CONSISTENT WITH OTHER STANDARDS, ONLY APPLIES TO FIT AND COUNTER BECAUSE THEY HAVE A VISIBLE ALVAFORM.
9/22/2023	GARMENT DETAILS	18	ADDED CHECKLIST FOR EACH GARMENT TYPE FOR CLARITY
9/22/2023	FABRIC & TRIM	14	TRIMS MUST BE SCANNED AT HIGH RESOLUTION
9/22/2023	FABRIC & TRIM	13	ADDED LANGUAGE TO COLOR RUN AND FIT SAMPLES TO REACH OUT TO DPC TEAM IF ACTUAL FABRIC CANNOT BE SOURCED AS DIGITAL MATERIAL
9/22/2023	SUMMARY	4	ADDED SAMPLE TYPE SUMMARY TO INCREASE CLARITY
12/7/2023	MULTIPLE	NA	"INDIVIDUAL RENDERS" WAS CHANGED TO ADD ".PNG" TO CLARIFY TO USERS THAT WE WANT INDIVIDUAL RENDERS IN PNG FORMAT, NOT POWERPOINT OR PDF.
12/7/2023	APPENDIX C	39	MATERIAL SUBSTITUTION GUIDELINES WERE UPDATED PER CONVERSATIONS WITH OUR MATERIALS TEAM AND SOURCING TEAMS.
2/1/2024	OUTPUT	22	CHANGED LIGHTING STANDARD FROM CUSTOM HDRI TO "BRIGHT."
2/1/2024	OUTPUT	NA	CHANGED NAMING CONVENTION FOR FIT SAMPLE WORKING FILE.

NOTE: DPC TEAM WILL ADD NEW ENTRIES IN ORDER OF DATE CHANGED.

CHANGE LOG (5 OF 5)

DATE	SECTION	#	DESCRIPTION OF UPDATE
3/13/2024	FILE UPLOAD	31	UPDATED FILE UPLOAD TO REFLECT NEW ONE PLM UPLOAD PROCESS
3/13/2024	OUTPUT	26	ADDED FIT SAMPLE CONSOLIDATED FILE TEMPLATES
5/7/2024	All		ENSURED REMOVAL OF ALL REFERENCES TO DASH TO EMPHASIZE ONEPLM UPLOAD STANDARDS, UPDATED LINK TO DRESSFORMS
5/8/2024	NEW SECTION: VERSION NUMBER	3	ENSURED STANDARDS INCLUDED OUR BROWZWEAR VERSION NUMBER
6/3/2024	OUTPUT	24 , 22	CHANGED FIT SAMPLE BACKGROUND TO "WHITE" RATHER THAN "TRANSPARENT."
6/3/2024	FABRIC AND TRIM, NEW APPENDIX P ON COLOR ACCURACY	16 , 50	ADDED COLOR SWATCHES. ADDED GUIDANCE ON BLENDING MODES TO ENSURE PROPER COLOR ACCURACY. ALL IS IN APPENDIX P.
8/9/2024	BROWZWEAR VERSION	3	BROWZWEAR VERSION UPDATED TO 2024.1
8/9/2024	OUTPUT	24 , 25	SCREENSHOTS ALLOWED FOR FIT SAMPLE OUTPUTS, WHEN REQUESTED TO SHOW INTERNAL LINES.
8/9/2024	OUTPUT	24	USE "AUTOCROP" ON BROWZWEAR RENDERS
9/27/2024	TOTAL DOC	ALL	ADDED 3D FINAL SAMPLE TYPE
9/27/2024	TOTAL DOC	36	CLARIFIED ATTACHMENTS UPLOAD AND ADDED MIRO UPLOAD INFORMATION
10/17/2024	OUTPUT CHECKLIST	41	CLARIFIED 3D WORKING FILE SHOULD BE INCLUDED IN FINAL SAMPLE SUBMISSION

NOTE: DPC TEAM WILL ADD NEW ENTRIES IN ORDER OF DATE CHANGED.