Measuring.

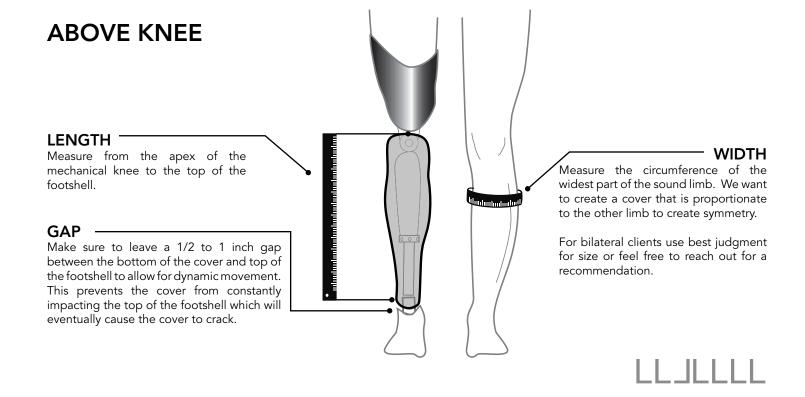
Our prosthetic covers were designed to work for both Transtibial and Transfemeral prostheses. Our goal was to create a product that is very simple to fit with minimal measurements required. Think 'shoe sizes'. We only require a LENGTH and WIDTH measurement to place the order which is a great alternative for prosthetists looking to reduce time spent carving foam cosmetics.

We have three set **WIDTHS** to choose from: SMALL, STANDARD, & LARGE. And the **LENGTHS** of covers go up in half inch increments from 12 - 20 inches.

Our covers are also easily removable, so there is no need to ruin the cosmetic if you need to make an adjustment to one of your client's prostheses!

See below for how to measure the Length and Width for both a BK and AK cover. (We also have 2 minute videos on **prostheticcovers.com** that shows how to measure each.)

BELOW KNEE WIDTH LENGTH Measure the circumference of the Measure from the lowest dip in the widest part of your socket. Keep front of the socket to the top of <u> Մասիսահումումիա</u>ն in mind the cover is a hard plastic footshell. shell that needs to fit over top of a hard socket. If the socket is wider GAP than the sound limb, the cover will Make sure to leave a 1/2 to 1 inch gap look larger than the sound limb. If between the bottom of the cover and the socket is thinner than the sound top of the footshell to allow for dynamic limb, then measure the circumference movement. This prevents the cover from of the widest part of the sound limb constantly impacting the top of the so that you get a cover that is more footshell which will eventually cause the proportionate to the other leg. cover to crack.



Top Shape.



DIP TOP

The top shape refers to the profile of the top of the cover. The DIP TOP is recommended for Below Knee Prostheses as it follows the profile of the top of a socket. The overall shape has also been designed to work with the contours of a BK prosthesis.

Since every socket is so different, we needed to come up with a shape that worked for as many people as possible. With that said, BK covers could require a bit of adjustments once they arrive.

The covers are made of ABS plastic making them heat mouldable (see Appendix C (page 18) for heat forming instructions). A typical adjustment would be to remove the top strap and gentlly spot heat the top of the cover and press it against the socket to get a tight fit.



ARCH TOP

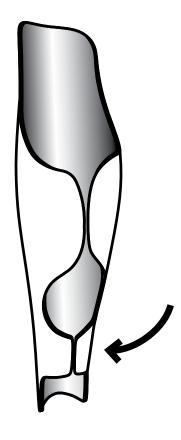
The ARCH TOP is recommended for Above Knee Prostheses. AK covers typically fit right out of the box and simply need to be strapped to the prosthetic components.

AK covers work well with microprocesser and hydraulic knees. If a client uses a polycentric knee we usually move the strap placement to ensure there is no interference with motion (see Appendix G (page 22) for the additional measurements we will require if your client uses a polycentric knee.

We have many people who kneel on their covers with no issues, however constant impact while kneeling could cause the cover to crack over time. Some AK clients choose to get the DIP TOP and measure just below the knee bumper on their prosthesis so that they are then kneeling on their prosthesis rather than their cover.

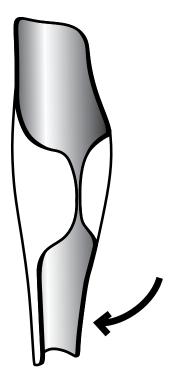


Back Shape



RACER BACK

The Racerback features a fully enclosed ankle and is a great option for clients looking to fill out the ankle portion of their pants or who are seeking a prosthetic cover with more coverage.



SPORT BACK

The Sport Cut is designed with an open ankle to accommodate large foot components, shock absorbers, rotators, etc.. and allow the room needed for dynamic components.

It is also much easier to put on and take off, making it an excellent option for clients with limited dexterity or clients who would prefer to be able to mix & match easier.



Color Selection

COLOR SELECTION

Most of our covers follow one simple theme. There's the MAIN COLOR, which is the dominant color on the front and the inside of the cover. And there's the DETAIL COLOR, which is the color for all the detailing on the front of the cover.

Outside of this, there are covers that will have a minor variation on this theme. For example, some covers will have extra details or specific details being offered in additional colors or finishes.

Below shows four different covers all following the same color logic to give you a better idea of how the color selection works:

MAIN COLOR: Cobalt Blue DETAIL COLOR: White

MAIN COLOR: **Silver** DETAIL COLOR: **Red**

MAIN COLOR: **Nude #1** DETAIL COLOR: **Orange**

MAIN COLOR: **14K Gold** DETAIL COLOR: **Navy**











Color Swatches.



Nudes.





We have curated 5 colors of Nudes to cover a range of skintones. However, we do realize that there are far more skintones than that so we do offer color matching if you want something more specific. We use the free Pantone color App for color matching. See next page for how to use the App to match skintones.



CUSTOM COLORS USING PANTONE APP

1 DOWNLOAD FREE PANTONE APP



Open the Pantone Studio App and

Select the camera button.

2 SELECT CAMERA BUTTON



PHOTOGRAPH COLOR TO MATCH



Photograph the color you want to match. The squares in the middle of the screen represent all the colors currently in the shot. Make sure you capture a photo that is a close representation of the color you are trying to match.

Go to your App Store and download the Free Pantone Studio App.

4 SELECT COLOR SWATCH



You can move the dots around by dragging them. This will allow you to sample different areas. Once you've found a color that you're happy with, select the square by pressing on it.

5 PROVIDE COLOR CODE



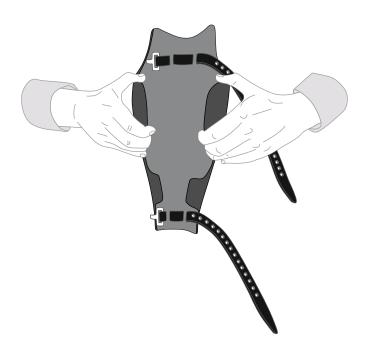
If you press on any of the squares at the top of your screen it will bring up this color swatch. The swatch needs to end in `SP`in order to be a skintone.

On the order form make sure to provide the color code so that we can match it on our end or send us an email with a screenshot of the swatch. For this example the color code would be: **1Y01 SP**.

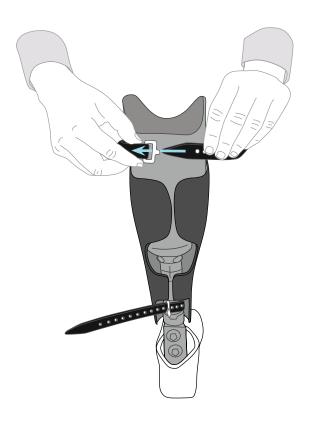


HOW TO PUT COVER ON

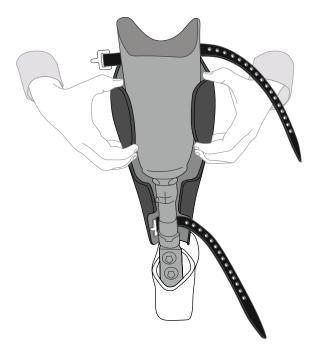
GRASP COVER BY 'WINGS'.
(COVERS ARE SLIGHTLY FLEXIBLE.)



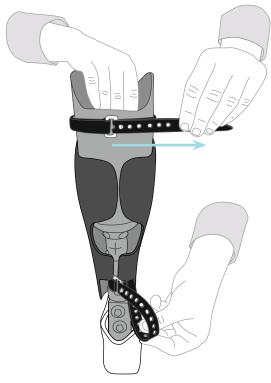
THREAD STRAP UP THROUGH BUCKLE FROM UNDERNEATH.



2 FLEX COVER WIDE ENOUGH TO FIT AROUND PROSTHESIS COMPONENTRY.



PULL STRAP BACK OVERTOP OF BUCKLE TO ENGAGE 'HOOK'.



5 TUCK TAIL INTO COVER OR TRIM EXCESS ONCE YOU KNOW NECESSARY LENGTH.



POLYURETHANE STRAPS

STRAP ATTACHMENT

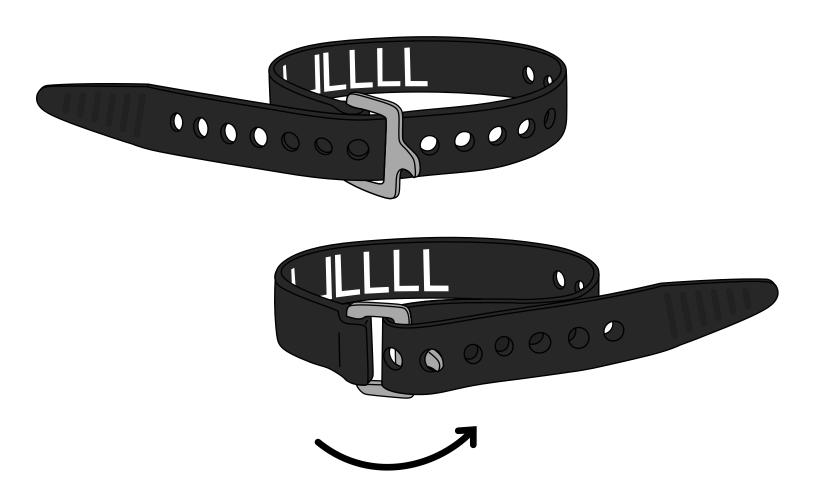
All of our covers are equipped with 2 polyurethane straps with aluminum hooks that simply grip around the components of one's prosthesis. This method of attaching:

- makes covers easily removable
- distributes energy minimizing cracking typically seen when using hard connections.

HOW TO FASTEN

To fasten the straps, thread the tail through the aluminum buckle and pull the tail back over top of the hook.

Sometimes you may need to weave the strap through the cover to find the optimal position to work with your prosthetic set-up and make it easier to acces.

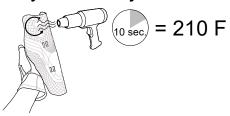




HEAT FORMING INSTRUCTIONS

ALLELES covers are made of ABS plastic and can be modified by spot heating the cover. This is especially helpful for fitting below knee patients as the contours of sockets vary from person to person. See below for guidelines of how to adjust the covers.

Very Small Adjustments



USING HEAT GUN

- Heat a small section of cover
- 10 seconds (approx) should heat cover to 210 220 F.
- ABS Material will become slightly pliable.

Wear Heavy Duty Work Gloves *Time & Temperature Approximate*

- Apply Pressure to Heated Area.

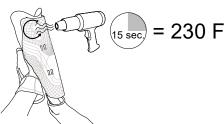
HAND FORMING

- Hold until cover is no longer flexible.

NOTES:

- Paint / clear-coat will not be effected
- Good for making very small adjustments Plastic will still be quite stiff, but slightly
- workable. This is good when you need to make very small adjustments.

3 - 4 Inch Sections / Using Socket



STEP 1 USING HEAT GUN

- Remove straps
- Heat a small section of cover.
- 15 seconds (approx) should heat cover to 220 230 F.
- ABS Material will become flexible.
- Keep heat gun moving to ensure even heating.



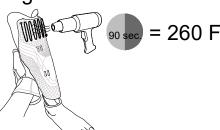
STEP.2 HAND FORMING

- Apply Pressure to Heated Area
- Hold until cover is no longer flexible.

Wear Heavy Duty Work Gloves *Time & Temperature Approximate*

- Paint will not be effected.Clear-coat may soften a little and may
- become marked (230 F +).
- At 230 F, the ABS is quite workable, and the paint and clear-coat should not be effected
- Above 260 F, the ABS becomes softer. At these temperatures you also a greater risk of damaging the clear-coat and marking the paint.

Larger Sections



USING HEAT GUN

- Remove straps
- Heat top 3 inches of the Cover.
- 90 seconds (approx) heat cover to 260 F.
- Keep heat gun moving, to heat area as evenly as



ACE WRAP / ELASTIC BANDAGE

- Wrap heated area with ACE bandage

Wear Heavy Duty Work Gloves *Time & Temperature Approximate*



STEP.3 HAND FORMING

- Apply Pressure to Heated Areas and hold.
- Cover will cool down after 1 minute and become solid.

The ALLELES Design Studio Ltd. 47 - 560 Johnson Street, Victoria, BC, Canada. 1-(888)979-3576

www.prostheticcovers.com

email: info@alleles.ca

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DURABILITY SCALE

The durability of the covers completely corresponds to the patterning of the various designs. Covers with more perforations tend to be more delicate, and detailed, but also very lightweight. Whereas designs with less perforations are more durable, but are a bit heavier. Keep in mind that selecting a cover is completely based on your personal expectations for both design style and durability.

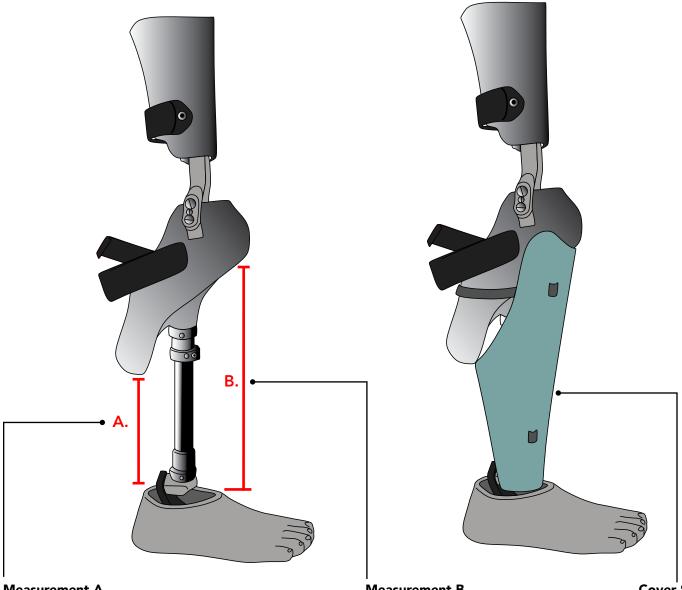
We have a relative durability scale where all the covers are rated against each other. Therefore, a higher score directly correlates to a cover's durability in relation to the rest of the product line. The table below lists the durability of all of the different Ready-to-Wear covers we offer.

Accessory				Protective					
1	2	3	4	5	6	7	8	9	10
•Victorian •Sochi •Steen •Pines •Paradigm •Imperialist •Merovingi	•Digital Rococo •Hound- stooth •Demarche •Fadilah •Exius 2.0	•John-Paul •Geomecon •Mythic •Salt Pro	•L-Trainer •HIFI •Roth •Monarch •Deco •Palms •Gaia	•Stealth •Exo •Deep •Eyes •OM •Janz-Pro	•Baller •MTL •Flora •Racer •Apollo •Wings •Hi-Top	•Alpine •Bloom •Modena •Future •Plaid •DigiCamo •Salt M2 •Deener •LSDeener	•Moto •Allens •Paisley •Glide •Roe 2.0 •Jennings •L750 •Khloris •Nouveau •Nouveu Colorway •Royale	•Solo •Solo Carbon	•L2



MEASURING FOR ROTATIONAL PLASTY

If you have a rotational plasty patient we will require a couple extra measurements in order to fabricate the cover. Please make sure to add the extra measurements in the 'Notes' section of the order form and state that the cover is for a rotational plasty prosthesis. If you have questions, please reach out to us prior to placing the order.



Measurement A.

Take a measurement from the tip of the pointed toe to the top of the footshell.

*don't forget to subtract 1/2-1 inch to ensure there is a gap between the bottom of the cover and top of the footshell.

Measurement B.

Cover Length. Take this measurement just below the 'heel/knee' of the socket to the top of the footshell. The cover will be able to butt against the socket really well with the 'DIP TOP' cut cover creating a very streamlines shape.

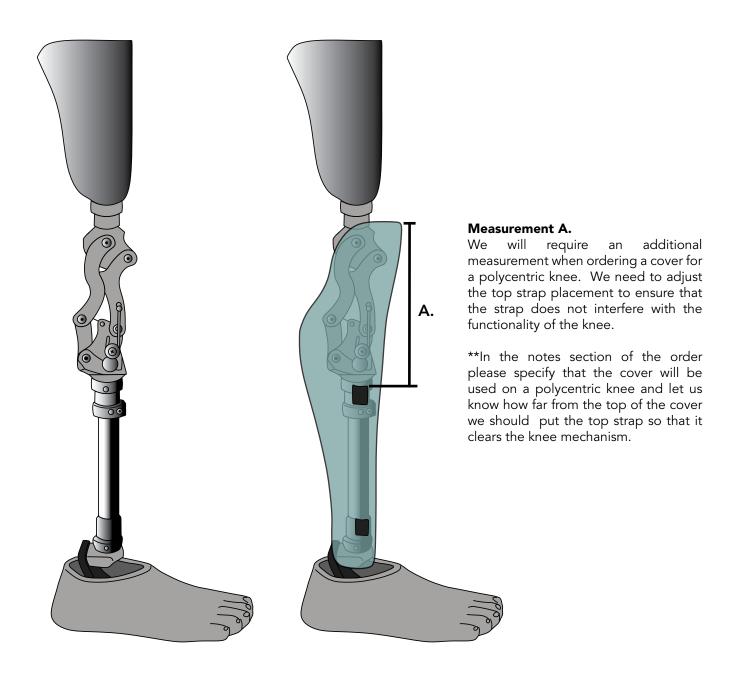
*don't forget to subtract 1/2-1 inch to ensure there is a gap between the bottom of the cover and top of the footshell.

Cover Shape.

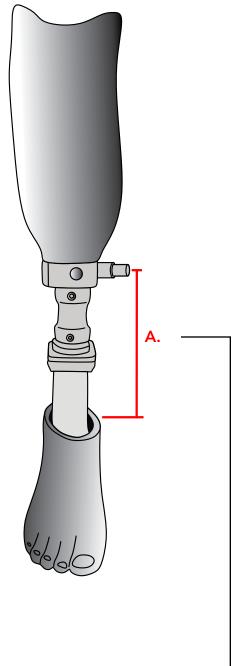
We have come up with a new cut of cover that works well with rotational plasty prostheses. The shape blends the geometry of the rotational plasty set-up with the silhouette of the rest of the body. We are not trying to conceal the entire prosthesis with the cover as doing so would cause the shape to become very bulky and unflattering.



MEASURING FOR POLYCENTRIC KNEE



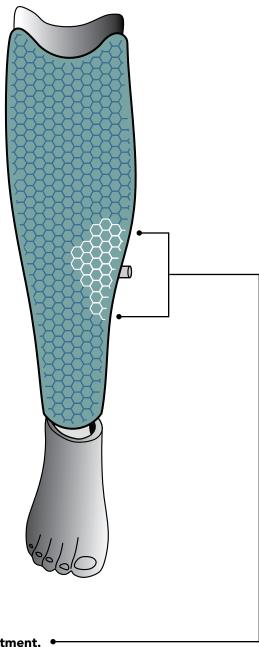
RELEASE VALVES



Measurement A.

We will require an additional measurement when ordering a BK cover with a release valve. Take a measurement from the bottom of the cover to the center of the release valve and give us a general idea of where it is positioned on the leg.

**In the notes section of the order please specify that the prosthesis has a release valve and let us know the length of Measurement A. We will then adjust the design of the cover slightly to accommodate the valve.



Cover Adjustment. •

Once we receive the measurement of the release valve placement, we will adjust the patterning on the design. We will remove all the perforations in the general area of the release valve, but still keep the engrave details of the design. Once you receive the cover you will be able to drill a hole for the release valve in the EXACT place you need to. It is always hard to get the placement perfect on our end as you never know what perspective photos are taken from, etc. Removing the perforations ensures that when you drill the hole you are not drilling through the side of another hole which can jeopardize the overall strength of the cover.

