

CADTERNS®

Little Lessons in Personal Patternmaking

Would you like to learn how to style a fitted sloper into a fitted pattern? Let *CADTERNS* show you some very basic ways to get you started. These lessons have been tested specifically using slopers (very basic sewing patterns) created using the *CADTERNS Fit-FIRST* system.

The *Fit-FIRST* system starts with fitting a sloper to look and feel just right. Then you use your personal sloper as a fitting tool to style new patterns or to fit others. Following this system, you are able to fit patterns before cutting fabric, ensuring that you ***fit first***.

Dart Art 1 is the Little Chapter on patternmaking techniques for arranging darts to be just the way that you want by rotating, combining and dividing them into the quantity and position(s) that you like.

Dart Art 2 is about disguising darts by converting them into dart equivalent features of tucks, gathers, seam lines, flare or fullness. At this point, they look nothing like darts but fit just as well.

Each Little Lesson shows how to complete a simple patternmaking task using both digital and manual techniques.

Manual illustrations show simple cut & spread techniques, useful for:

- Quick and easy way to learn patternmaking techniques
- Quick cross-references to the digital techniques illustrated.

Digital instructions show how to follow the same patternmaking techniques at the computer using a CAD (Computer-Assisted Drafting) program such as AutoSketch used in illustrations here. Digital patternmaking takes longer at first but gives many, many lasting benefits.

Maximum use of illustrations and minimum use of text provide quick, clear understanding with reduced need for both English and math.

The CADTERNS® Fit-FIRST™ System

Of Personal Patternmaking

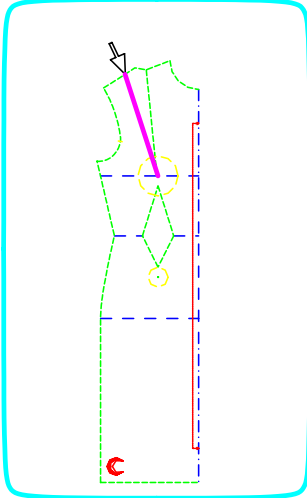
Fit a personal sloper.

Style a fitted pattern.

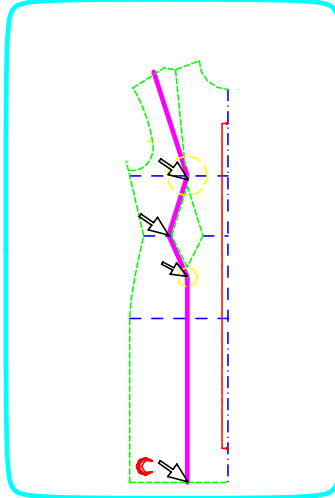
Finish a stylish garment.

How to Convert a Dart into Seamlines Manually

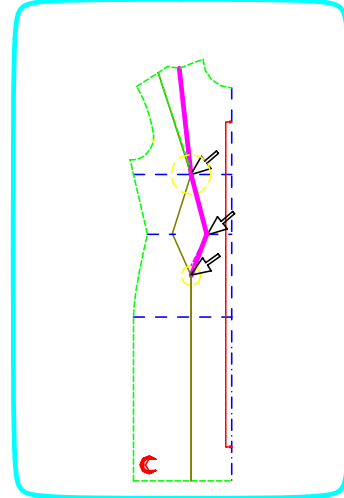
Dart Convert Seams Man cmc1.skf 001011



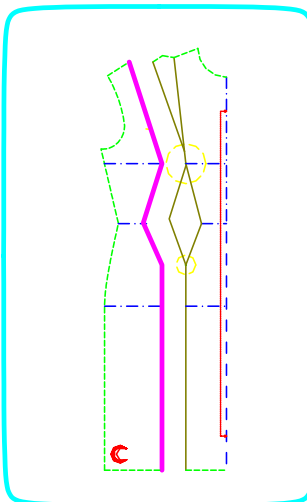
1. Draw line starting at intersection of seamline and dart leg, continuing to dart point.



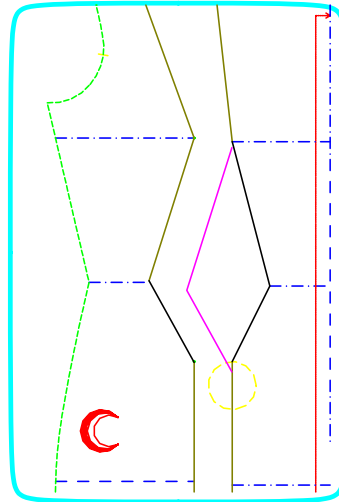
2. Continue line following dart legs and dart points to the other seamline.



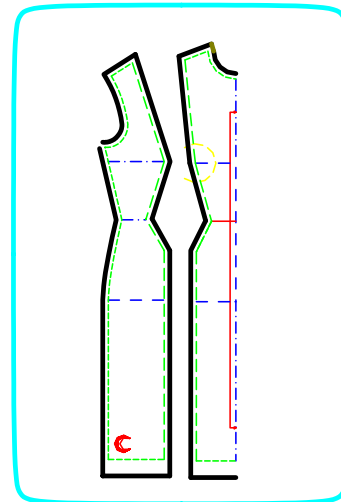
3. Starting with other dart leg, draw corresponding line joining endpoints and dartpoints.



4. Cut line from one dart leg following same side of darts to other seamline.



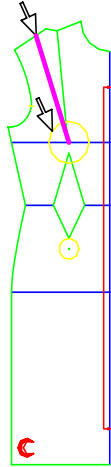
5. Trim away unnecessary portion between darts.



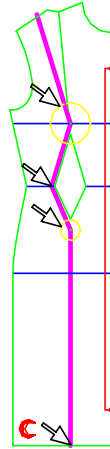
6. Finish separated individual pattern pieces.

How to Convert a Dart into Seamlines Digitally

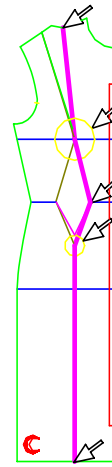
Dart Convert Seamlines CAD cmc2.skf 001111



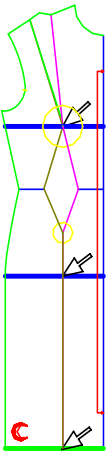
1. Draw/Polyline starting at intersection of seamline and dart leg, continuing to dart point.



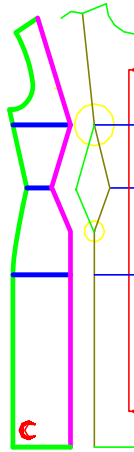
2. Continue polyline following end points and centre points to the other seamline.



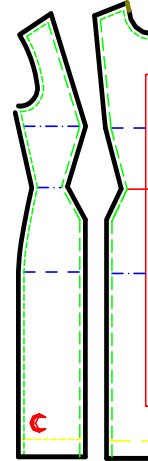
3. Starting with other dart leg, draw corresponding polyline joining end points and centre points.



4. Edit/Trim/Divide horizontal reference lines at intersection with polylines.



5. Edit/Transform/Translate selection set to move one polyline plus all intersecting entities from other polyline.



6. Finish separated individual pattern pieces.



Converting Darts into Seamlines

Digital Patternmaking	Manual Patternmaking
1. Draw a polyline starting at the intersection of seam line and dart leg, continuing to dart point.	1. Draw a line from the first seamline, following the outside dart leg, to the dart point.
2. Continue polyline following endpoints and centre points, to other seam line.	2. Continue the line, following dart points and dart legs to other seamline.
3. Starting with other dart leg, draw corresponding polyline joining end points and centre points to other seam line.	3. Starting with second dart leg, draw a corresponding seam line joining other dart points and dart legs to other seam line.
4. Edit/Trim/Divide horizontal reference lines at intersection with polylines.	4. Cut through the pattern starting at seamline and first dart leg, following same side of darts to other seam line.
5. Edit/transform/Translate selection set to move one polyline with all intersecting entities from other polyline.	5. Trim away unnecessary portion between darts
6. Finish separated individual pattern pieces.	6. Finish individual pattern pieces separately.